Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 Through 2017

Trends

Report

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NOTICE:

This technical report does not necessarily represent final EPA decisions or positions. It is intended to present technical analysis of issues using data that are currently available. The purpose in the release of such reports is to facilitate the exchange of technical information and to inform the public of technical developments.

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1 Introduction

Trends is the authoritative reference for CO_2 emissions, fuel economy, and technology trends in the automotive industry from MY 1975-2017

This report (the "Trends" report) has been published annually since 1975 to summarize trends in ***real world*** tailpipe CO_2 emissions and fuel economy, and associated automotive technologies. The data supporting this report were obtained by the U.S. Environmental Protection Agency (EPA), directly from automobile manufacturers, in support of EPA's greenhouse gas (GHG) emissions and the U.S. Department of Transportation's National Highway Traffic Safety Administration (NHTSA) Corporate Average Fuel Economy (CAFE) programs. These data have been collected and maintained by EPA since 1975, and comprise the most comprehensive database of its kind. While this report is based on the same underlying data as EPA and NHTSA regulatory programs, the Trends report does ***not*** provide compliance values.

Data for model years (MY) 1975 through 2016 are ***final***. These data are submitted to the EPA and NHTSA at the conclusion of the model year and include actual production data and the results of emission and fuel economy testing performed by the manufacturers and EPA. Data for MY 2017 are ***preliminary*** and based on projected production data provided to EPA by automakers for vehicle certification and labeling prior to MY 2017 sales. MY 2017 values will be finalized in next year's report. All data in this report are based on production volumes delivered for sale in the U.S. by model year, and may vary from publicized data based on calendar year sales.

What's New This Year

- EPA applied an updated methodology for calculating adjusted CO_2 and fuel economy values for MY 2011 and later vehicles. This change was required based on adjustments made to vehicle testing methodologies, as detailed in Section 10. Therefore, the values in this report are ***not*** comparable to values in previous reports.
- The Department of Justice, on behalf of EPA, alleged violations of the Clean Air Act by Fiat Chrysler Automobiles based on the sale of certain 2014 through 2016 model year vehicles equipped with devices that defeat the vehicles' emission control systems. In addition, the Department of Justice and EPA have reached a settlement with Volkswagen over the use of defeat devices for certain 2009 through 2016 model year vehicles. In this report, EPA uses the CO_2 emissions and fuel economy data from the initial certification of these vehicles. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports. For more information on actions to resolve these alleged violations, see www.epa.gov/vw and www.epa.gov/fca.

Section 2 gives an overview of fleetwide trends, while Sections 3 and 4 report trends by vehicle class, type, attribute, manufacturer, and make. Trends in new and conventional technologies are examined in Sections 5 through 8. Regulatory context and additional methodology details are given in Sections 9 and 10.

Understanding Fuel Economy Metrics in this Report

The primary CO_2 and fuel economy data in the Trends report are ***adjusted*** values that represent EPA's best estimates of ***real world*** performance. The adjusted data for this report are based on the same underlying data submitted to EPA for the both the consumer label and the CAFE and GHG compliance programs, but there are some important differences.

Unadjusted, laboratory values are used to determine automaker ***compliance*** with the standards, along with various regulatory incentives and credits. These values are measured with EPA's City and Highway Test procedures (the "2-cycle" tests). A combined city/ highway value is then calculated using a 55% city and 45% highway weighted average. These unadjusted, laboratory values do not fully represent real world driving, but are occasionally presented in this report because they provide a consistent baseline for comparing trends in vehicle design over time.

The consumer data reported on the current EPA/DOT Fuel Economy and Environment Labels ("window stickers") use a more realistic "5-cycle" test procedure intended to better reflect real world performance. The combined city/highway Label values use the 55% city and 45% highway weighting. The ***adjusted*** values in the Trends report are also derived from 5-cycle test values, but use a weighting of 43% city and 57% highway, consistent with fleetwide driver activity data. Adjusted CO_2 emissions values are, on average, about 25% higher than unadjusted CO_2 values, and adjusted fuel economy values are about 20% lower than unadjusted fuel economy values.

CO_2 and Fuel Economy Data Type	Purpose	Current City/Highway Weighting	Current Test Basis
Adjusted	Best estimate of real world performance	43% / 57%	5-cycle
Label	Consumer information to compare individual vehicles	55% / 45%	5-cycle
Unadjusted, Laboratory	Basis for automaker compliance with standards	55% / 45%	2-cycle

Section 10 presents a detailed methodological explanation of the fuel economy and CO_2 values used in this report, and how they have changed over time. Since major methodological changes are generally propagated backwards through the historical database in order to maintain the integrity of long-term trends, this report supersedes previous versions in the series and should not be compared to past reports.

For Additional Information:

- Access the Trends report online: www.epa.gov/fuel-economy-trends
- *Manufacturer Performance Report for the 2016 Model Year*: www.epa.gov/regulations-emissions-vehicles-and-engines/greenhouse-gas-ghg-emission-standards-light-duty-vehicles
- NHTSA's CAFE Public Information Center: https://one.nhtsa.gov/cafe_pic/CAFE_PIC_Home.htm

2 Fleetwide Trends Overview

This section provides an overview of important fleetwide data for MY 1975-2017, including a reference table for CO_2 emissions, fuel economy, and other key parameters. Fleetwide refers to the production-weighted analysis of ***new*** vehicles produced for the U.S. fleet. Alternative fuel vehicle data is integrated with data for gasoline vehicles and diesel vehicles. CO_2 emissions from alternative fuel vehicles represent tailpipe emissions, while fuel economy for alternative fuel vehicles is reported as miles per gallon of gasoline equivalent, or mpge, the miles an alternative fuel vehicle can travel on an amount of energy equivalent to that in a gallon of gasoline. Unless otherwise noted, all CO_2 emissions and fuel economy data are adjusted values that reflect real world performance, and are not comparable to unadjusted, laboratory values that are the basis for EPA GHG emissions and NHTSA CAFE standards compliance. Subsequent sections of the report analyze the Trends data in more detail.

A. Overview of Final MY 2016 Data

Table 2.1 shows that the fleetwide average real world CO_2 emissions rate for new vehicles produced in MY 2016 is 359 grams per mile (g/mi), a drop of 2 g/mi from MY 2015. The MY 2016 fuel economy value is 24.7 miles per gallon (mpg), an increase of 0.1 mpg from MY 2015. These MY 2016 values are based on final data and represent a new record low for CO_2 emissions and a record high for fuel economy. Over the last twelve years, CO_2 emissions and fuel economy have improved ten times and worsened twice.

Truck production share of the overall personal vehicle market increased by 2.1 percentage points in MY 2016. Car and truck production share has been volatile in recent years, and has had significant impacts on other parameters. Average personal vehicle weight held constant at 4035 pounds. Average power increased by 1 horsepower to 230 horsepower, tied for the all-time high with MY 2011 and MY 2014. Average vehicle footprint increased from MY 2015 by 0.1 square feet to 49.5 square feet.

Tables 3.4.1 and 3.4.2, shown later in this report, disaggregate the data in Table 2.1 for the individual car and truck fleets, respectively, for MY 1975-2017.

B. Overview of Preliminary MY 2017 Data

Preliminary MY 2017 adjusted fleetwide average CO_2 emissions is 352 g/mi with a corresponding fuel economy value of 25.2 mpg. If achieved, these values will be record levels and an improvement over MY 2016. The preliminary MY 2017 data suggest that truck production share will fall almost 3 percentage points. Horsepower and weight are projected to increase slightly, while footprint is projected to remain constant.

Table 2.1

Adjusted CO_2 Emissions, Adjusted Fuel Economy, and Key Parameters by Model Year[1]

Model Year	Production (000)	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Weight (lbs)	HP	Footprint (sq ft)	Car Production	Truck Production	AFV Share of Production
1975	10,224	681	13.1	4060	137	-	80.7%	19.3%	-
1976	12,334	625	14.2	4079	135	-	78.9%	21.1%	-
1977	14,123	590	15.1	3982	136	-	80.1%	19.9%	-
1978	14,448	562	15.8	3715	129	-	77.5%	22.5%	-
1979	13,882	560	15.9	3655	124	-	77.9%	22.1%	-
1980	11,306	466	19.2	3228	104	-	83.5%	16.5%	-
1981	10,554	436	20.5	3202	102	-	82.8%	17.2%	-
1982	9,732	425	21.1	3202	103	-	80.5%	19.5%	-
1983	10,302	426	21.0	3257	107	-	78.0%	22.0%	-
1984	14,020	424	21.0	3262	109	-	76.5%	23.5%	-
1985	14,460	417	21.3	3271	114	-	75.2%	24.8%	-
1986	15,365	407	21.8	3238	114	-	72.1%	27.9%	-
1987	14,865	405	22.0	3221	118	-	72.8%	27.2%	-
1988	15,295	407	21.9	3283	123	-	70.9%	29.1%	-
1989	14,453	415	21.4	3351	129	-	70.1%	29.9%	-
1990	12,615	420	21.2	3426	135	-	70.4%	29.6%	-
1991	12,573	418	21.3	3410	138	-	69.6%	30.4%	-
1992	12,172	427	20.8	3512	145	-	68.6%	31.4%	-
1993	13,211	426	20.9	3519	147	-	67.6%	32.4%	0.0%
1994	14,125	436	20.4	3603	152	-	61.9%	38.1%	0.0%
1995	15,145	434	20.5	3613	158	-	63.5%	36.5%	0.0%
1996	13,144	435	20.4	3659	164	-	62.2%	37.8%	0.0%
1997	14,458	441	20.2	3727	169	-	60.1%	39.9%	0.0%
1998	14,456	442	20.1	3744	171	-	58.3%	41.7%	0.0%
1999	15,215	451	19.7	3835	179	-	58.3%	41.7%	0.0%
2000	16,571	450	19.8	3821	181	-	58.8%	41.2%	0.0%
2001	15,605	453	19.6	3879	187	-	58.6%	41.4%	0.0%
2002	16,115	457	19.5	3951	195	-	55.2%	44.8%	0.0%
2003	15,773	454	19.6	3999	199	-	53.9%	46.1%	0.0%
2004	15,709	461	19.3	4111	211	-	52.0%	48.0%	0.0%
2005	15,892	447	19.9	4059	209	-	55.6%	44.4%	0.0%
2006	15,104	442	20.1	4067	213	-	57.9%	42.1%	0.0%
2007	15,276	431	20.6	4093	217	-	58.9%	41.1%	0.0%
2008	13,898	424	21.0	4085	219	48.9	59.3%	40.7%	0.0%
2009	9,316	397	22.4	3914	208	48.1	67.0%	33.0%	0.0%
2010	11,116	394	22.6	4001	214	48.5	62.8%	37.2%	0.0%
2011	12,018	399	22.3	4126	230	49.5	57.8%	42.2%	0.1%
2012	13,449	377	23.6	3979	222	48.8	64.4%	35.6%	0.4%
2013	15,198	368	24.2	4003	226	49.1	64.1%	35.9%	0.7%
2014	15,512	369	24.1	4060	230	49.7	59.3%	40.7%	0.7%
2015	16,739	361	24.6	4035	229	49.4	57.4%	42.6%	0.7%
2016	16,267	359	24.7	4035	230	49.5	55.3%	44.7%	0.8%
2017 (prelim)	-	*352*	*25.2*	*4044*	*232*	*49.5*	*58.1%*	*41.9%*	*1.9%*

[1] Adjusted CO_2 and fuel economy values reflect real world performance and are not comparable to automaker standards compliance levels. Adjusted CO_2 values are, on average, about 25% higher than the unadjusted, laboratory CO_2 values that form the starting point for GHG standards compliance, and adjusted fuel economy values are about 20% lower, on average, than unadjusted fuel economy values.

We caution the reader about focusing on these preliminary MY 2017 values. The production estimates for these values were provided to EPA by automakers in 2016, and there is always uncertainty associated with such projections. This uncertainty is magnified this year as U.S. gasoline prices have remained low and consumer preference continues to move towards sport utility vehicles (SUVs) and larger vehicles. Final values for MY 2017, based on actual production values, will be published in next year's report.

C. Overview of Long-Term Trends

While the most recent annual changes often receive the most public attention, the greatest value of the Trends database is to document long-term trends. This is because: 1) year-to-year variability can reflect short-term trends (two examples are the Cash for Clunkers rebates in 2009 and the impact of the tsunami aftermath on Japan-based manufacturers in 2011) that may not be meaningful from a long-term perspective, and 2) the magnitude of year-to-year changes in annual CO_2 emissions and fuel economy tend to be small relative to longer, multi-year trends.

Figures 2.1 and 2.2 show fleetwide adjusted CO_2 emissions and fuel economy from Table 2.1 for MY 1975-2017. For both figures, the individual data points represent annual values, and the curves represent 3-year moving averages (where each year represents the average of that model year, the model year prior, and the model year following, e.g., the value for MY 2016 represents the average of MY 2015-2017) which "smooth out" the year-to-year volatility. The two curves are essentially inversely proportional to each other, i.e., vehicle tailpipe CO_2 emissions (grams per mile) are proportional to fuel consumption (gallons per mile), which is the reciprocal of fuel economy (miles per gallon).

These two figures show that fleetwide adjusted CO_2 emissions and fuel economy have undergone four clearly defined phases since 1975. Figure 2.3 shows fleetwide adjusted fuel economy, weight, and horsepower data for MY 1975-2017 from Table 2.1. All of the data in Figure 2.3 are presented as percentage changes since 1975. It's important to note, other things being equal, that vehicle weight and horsepower increases are generally associated with increased CO_2 emissions and decreased fuel economy.

Figure 2.1

Adjusted CO_2 Emissions by Model Year

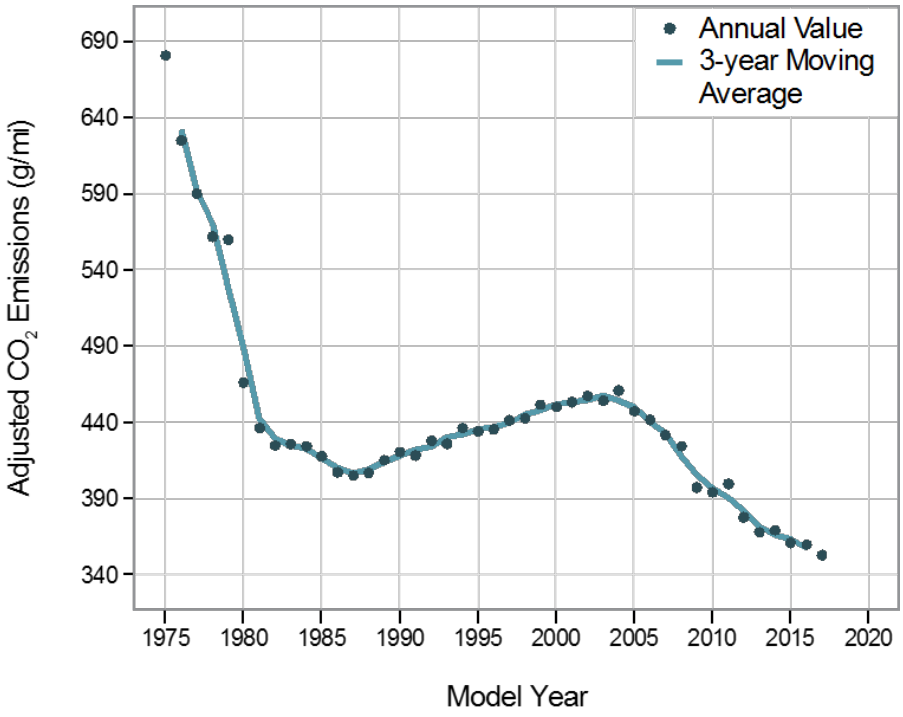
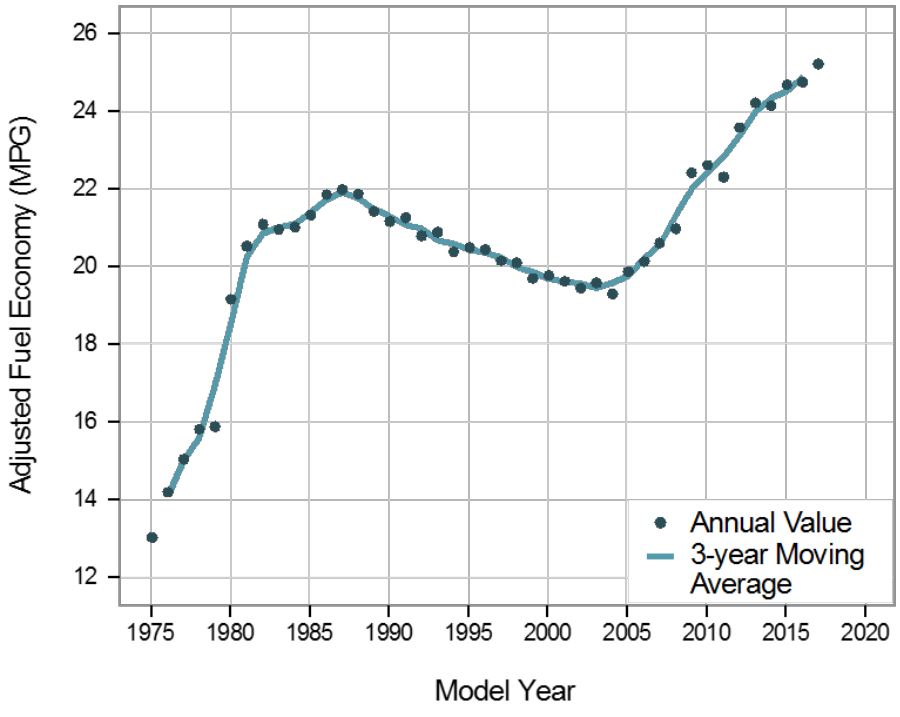


Figure 2.2

Adjusted Fuel Economy by Model Year



Long-Term CO_2 Emissions and Fuel Economy Phases:

- ***Rapid improvements from MY 1975 through MY 1981, with fleet wide adjusted CO_2 emissions decreasing by 36% and fuel economy increasing by 56% over those six years***
- ***Slower improvements from MY 1982 through MY 1987***
- ***A slow, but steady reversal of improvements from MY 1988 through MY 2004, with CO_2 emissions increasing by 13% and fuel economy decreasing by 12%, even as technology innovation continued to evolve***
- ***A very favorable trend beginning in MY 2005, with annual CO_2 emissions and fuel economy improvements in ten of the twelve individual years, and with CO_2 emissions decreasing by 22% and fuel economy increasing by 28% since MY 2004***

Figure 2.3

Change in Adjusted Fuel Economy, Weight, and Horsepower Since 1975

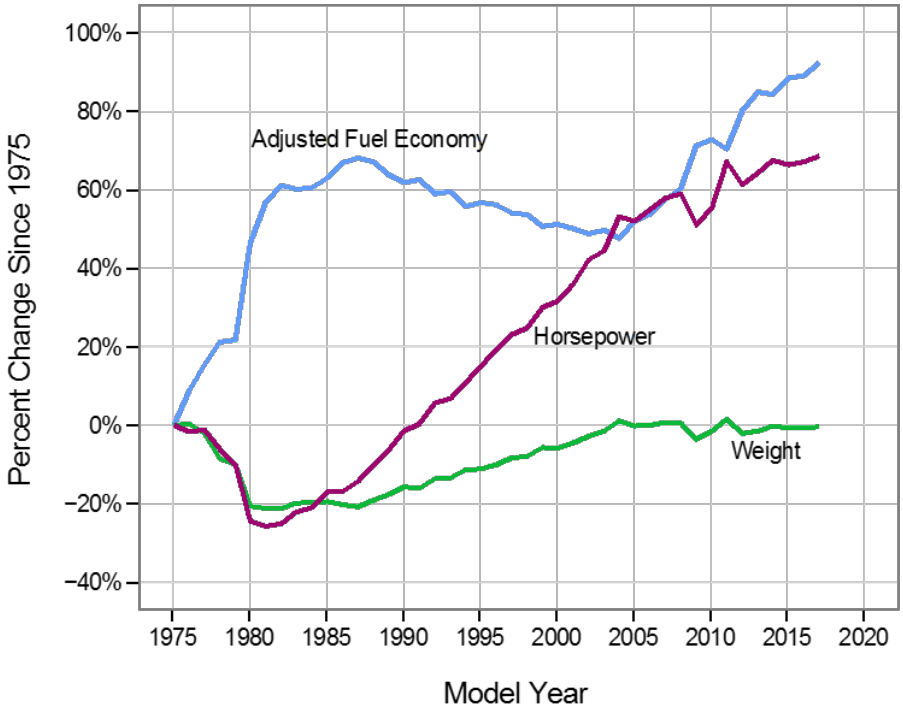


Figure 2.3 shows some very significant long-term trends. Both average vehicle weight and horsepower decreased in the late 1970s as fuel economy increased. During the two decades from the mid-1980s to the mid-2000s, vehicle weight and horsepower rose consistently and significantly, while fleetwide fuel economy slowly and steadily decreased. It is clear from Figure 2.3 that the considerable technology innovation during these two decades, on a fleet-wide basis, supported attributes such as vehicle weight and power (and associated utility functions such as vehicle size, acceleration performance, safety features and content), but did not improve fuel economy. Since MY 2005, new automotive technology has improved fuel

economy while keeping vehicle weight relatively constant. Horsepower has generally increased, but may be flattening out. As a result, recent vehicles have greater acceleration performance, higher fuel economy, and lower CO_2 emissions.

Table 2.1 also shows data for vehicle footprint. Footprint is a critical vehicle attribute since it is the basis for current and future GHG emissions and fuel economy standards. The Trends database includes footprint data from informal, external sources beginning in MY 2008 and from data provided directly by automakers since MY 2011. Average footprint has been stable, with small fluctuations, between MY 2008 and MY 2016. Footprint trends are explored in more detail in Section 3.

Table 2.1 does not include 0-to-60 time acceleration data, which are not provided by automakers and are calculated by EPA using equations from the literature. See Section 3.D for 0-to-60 acceleration time data, and for more detail on weight, horsepower, and footprint data.

Table 2.1 also shows that truck share increased consistently from 1980 through 2004. The truck share increases from 1988 through 2004 were a critical underlying factor in the increase in fleetwide weight and power discussed above, as well as in the higher fleetwide CO_2 emissions and lower fleetwide fuel economy over that same period. Between MY 2004 and MY 2012 truck share was volatile, affected by factors such as the economic recession of 2009, the Car Allowance Rebate System (also known as Cash for Clunkers) in 2009, and the aftermath of the earthquake and tsunami in Japan in 2011. More recently, truck share has been climbing again, driven by the demand for SUVs. For more data and discussion of relative car/truck production share, as well as data for the separate car and truck fleets, see Section 3.

Table 2.2 shows a comparison, for fuel economy and several other key attributes, of final MY 2016 data with MY 2008 and MY 2004 data.

MY 2008 is selected for comparison for three reasons: 1) several years provide a sufficient time to see meaningful multi-year trends, 2) it preceded a multi-year period of variability beginning in MY 2009, and 3) there have only been relatively minor changes in key vehicle attributes that influence fuel economy in the six years that followed. From MY 2008 to MY 2016, weight decreased by 1.2% (which would be expected to result in a slight increase in fuel economy, other things being equal), while horsepower increased by 5.2% and footprint increased by 1.3% (both of which would be expected to result in a decrease in fuel economy). Fuel economy, on the other hand, increased by 3.8 mpg, or 18%, from MY 2008 to MY 2016.

MY 2004 is shown in Table 2.2 primarily because it is the "valley year," i.e., it is the year with the lowest adjusted fuel economy since MY 1980 and therefore now represents a 37-year low. As with the comparison of MY 2008 and MY 2016 above, the changes in weight and horsepower from MY 2004 to MY 2016 have gone in opposite directions—weight has decreased by 1.9% and horsepower has increased by 9.2%. We do not have footprint data for MY 2004. From MY 2004 to MY 2016, fuel economy has increased by 5.4 mpg, or 28%. The

only other period with a greater and more rapid fuel economy increase was from MY 1975 through MY 1981, driven by higher oil and gasoline prices and the initial CAFE standards.

Table 2.2 also shows fuel savings that would accrue to consumers who owned and operated average MY 2016 vehicles relative to MY 2008 and MY 2004 vehicles. Table 2.2 is based on the assumptions used to generate the 5-year savings/cost values shown on current Fuel Economy and Environment Labels: consumer operates the new vehicle for five years, averaging 15,000 miles per year, gasoline prices of $2.40 per gallon[1], and no discounting to reflect the time value of money (of course, people can drive more or less miles per year and gasoline prices can vary significantly). As shown in Table 2.2, the 3.8 mpg increase in average fuel economy from MY 2008 to MY 2016 would save a typical consumer $1300 over five years, and the 5.4 mpg increase from MY 2004 to MY 2016 would save the same consumer $2050.

Table 2.2

Comparison of MY 2016 with MY 2008 and MY 2004*

MY 2016 Relative to MY 2008

Adjusted Fuel Economy		5-Year Fuel Savings	Weight	Horsepower	Footprint
+3.8 MPG	+18%	$1,300	-1.2%	+5.2%	+1.3%

MY 2016 Relative to MY 2004

Adjusted Fuel Economy		5-Year Fuel Savings	Weight	Horsepower	Footprint
+5.4 MPG	+28%	$2,050	-1.9%	+9.2%	-

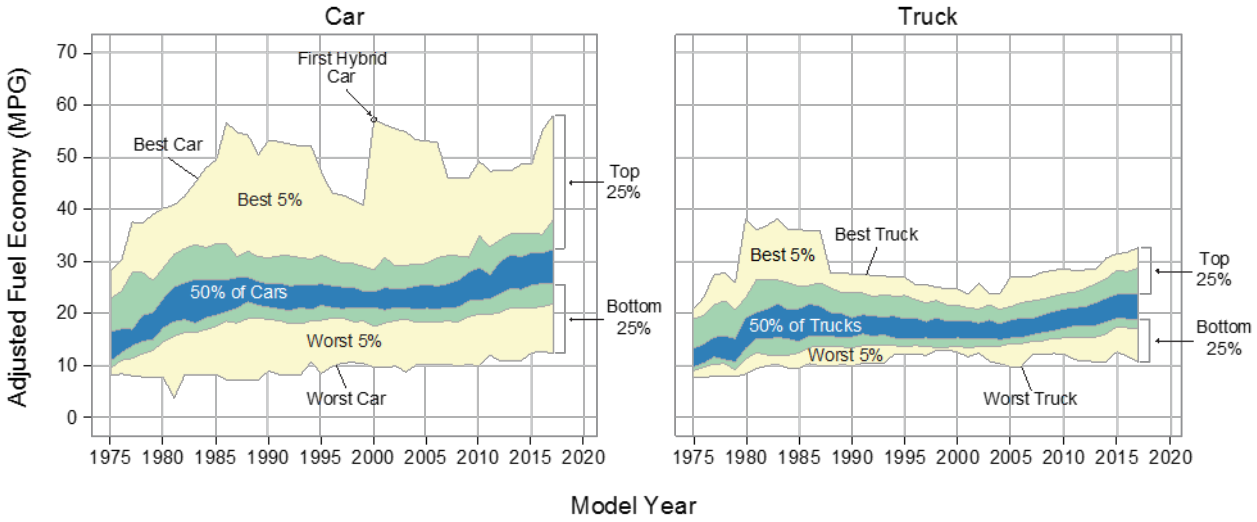
*Note: some of the % values in this table may differ slightly from calculations based on the absolute values in Table 2.1 due to rounding.

Figure 2.4 shows the production-weighted distribution of adjusted fuel economy by model year, for gasoline (including conventional hybrids) and diesel vehicles. Alternative fuel vehicles are excluded, as they would otherwise dominate this list as many achieve 100 mpge or greater. It is important to note that the methodology used in this report for calculating adjusted fuel economy values has changed over time (see Section 10 for a detailed explanation). For example, the adjusted fuel economy for a 1980s vehicle in the Trends database is somewhat higher than it would be if the same vehicle were being produced today as the methodology for calculating adjusted values has changed over time to reflect real world vehicle operation. These changes are small for most vehicles, but larger for extremely high fuel economy vehicles. For example, the "Best Car" line in Figure 2.4 for MY 2000 through MY 2006 represents the original Honda Insight hybrid, and the several miles per gallon decrease over that period is primarily due to the change in methodology for adjusted fuel economy values, with just a 1 mpg decrease due to minor vehicle design changes during that time.

[1] Annual fuel cost estimate for regular gasoline, in accordance with EPA's labeling guidance for MY 2018 vehicles (CD-16-18).

Figure 2.4

Adjusted Fuel Economy Distribution by Model Year, AFVs Excluded



Since 1975, half of car production has consistently been within several mpg of each other. The fuel economy difference between the least efficient and most efficient car increased from about 20 mpg in MY 1975 to nearly 50 mpg in MY 1986 (when the most efficient car was the General Motors Sprint ER) and in MY 2000 (when the most efficient car was the original Honda Insight hybrid), and is now about 45 mpg. Hybrids have defined the "Best Car" line since MY 2000. The ratio of the highest-to-lowest fuel economy value has increased from about three-to-one in MY 1975 to nearly five-to-one today, as the fuel economy of the least fuel efficient cars has remained roughly constant in comparison to the most fuel efficient cars whose fuel economy has nearly doubled since MY 1975.

The overall fuel economy distribution for trucks is narrower than that for cars, with a peak in the fuel economy of the most efficient truck in the early 1980s when small pickup trucks equipped with diesel engines were sold by Volkswagen and General Motors. As a result, the fuel economy range between the most efficient and least efficient truck peaked at about 25 mpg in the early 1980s. The fuel economy range for trucks then narrowed, and is now about 20 mpg. Like cars, half of the trucks built each year have always been within a few mpg of each year's average fuel economy value.

All of the above data are adjusted, combined city/highway CO_2 emissions and fuel economy values for the combined car and truck fleet. Table 10.2 provides, for the overall car and truck fleets, adjusted and unadjusted, laboratory values for city, highway, and combined city/highway. Appendices B and C provide more detailed data on the distribution of adjusted fuel economy values by model year.

Table 2.3 shows the highest fuel economy gasoline and diesel vehicles for the MY 1975-2017 time frame (while the Trends report database began in MY 1975, we are confident that these are also the highest fuel economy values of all time for mainstream vehicles in the U.S.

market). Note that alternative fuel vehicles, such as electric and plug-in hybrid electric vehicles, are excluded from this table (see Section 7 for information on alternative fuel vehicles). See Appendix A for a listing of the highest and lowest fuel economy vehicles, based on unadjusted fuel economy values, for each year since 1975.

Unadjusted, laboratory fuel economy (weighted 55% city and 45% highway) values are used to rank vehicles in Table 2.3, since the test procedures and methodology for determining unadjusted, laboratory fuel economy values have remained largely unchanged since 1975. Accordingly, unadjusted, laboratory values provide a more equitable fuel economy metric, from a vehicle design perspective, over the historical time frame, than the adjusted fuel economy values used throughout most of this report, as the latter also reflect changes in real world driving behavior such as speed, acceleration, and use of air conditioning.

For Table 2.3, vehicle models with the same powertrain and essentially marketed as the same vehicle to consumers are shown only once, as are "twins" where very similar vehicle designs are marketed by two or more makes or brands. Models are typically sold for several years before being redesigned, so the convention for models with the same fuel economy for several years is to show MY 2017, if applicable, and otherwise to show the first year when the model achieved its maximum fuel economy. Data are also shown for number of seats and inertia weight class.

Table 2.3

Top Ten Highest Fuel Economy Vehicles Since 1975, AFVs Excluded

Model Year	Manufacturer	Make	Model	Powertrain	Unadjusted, Laboratory Combined Fuel Economy (MPG)	Number of Seats	Inertia Weight Class (lbs)
2017	Toyota	Toyota	Prius Eco	Gasoline Hybrid	81	5	3000
2017	Hyundai	Hyundai	Ioniq Blue	Gasoline Hybrid	77	5	3000
2000	Honda	Honda	Insight	Gasoline Hybrid	76	2	2000
2017	Toyota	Toyota	Prius	Gasoline Hybrid	74	5	3500
2013	Toyota	Toyota	Prius c	Gasoline Hybrid	71	5	2750
2017	Honda	Honda	Accord	Gasoline Hybrid	70	5	4000
1986	GM	Chevrolet	Sprint ER	Conv. Gasoline	67	4	1750
2017	Kia	Kia	Niro FE	Gasoline Hybrid	67	5	3500
1994	GM	Geo	Metro XFi	Conv. Gasoline	66	4	1750
2017	GM	Chevrolet	Malibu	Gasoline Hybrid	65	5	3500

As expected, all of the vehicles listed in Table 2.3 are cars. Somewhat more surprisingly, no diesel cars made the list.[2] The top fuel economy vehicle is the new MY 2017 Toyota Prius Eco, which achieved an unadjusted, laboratory value of 81 mpg. The Prius Eco is followed by the

[2] The most fuel efficient diesel car in the historical Trends database is the Nissan Sentra from the mid-1980s which had an unadjusted, laboratory fuel economy of 56 mpg. The most efficient MY 2016 diesel car is the BMW 328d, which has an unadjusted, laboratory value of 50 mpg.

MY 2017 Hyundai Ioniq Blue. The third most efficient vehicle is the MY 2000 Honda Insight, a two-seater that was the first hybrid vehicle sold in the U.S. market.

Seven of the highest ten fuel economy vehicles of all time are on the market in MY 2017[3], and all of these are conventional hybrids. Other than the MY 2000 Insight, also a conventional hybrid, the remaining two vehicles in Table 2.3 are non-hybrid gasoline vehicles from the late 1980s and early 1990s. The non-hybrid vehicle with the highest fuel economy is the 1986 Chevrolet Sprint ER with an unadjusted, laboratory fuel economy of 67 mpg.

One of the most important lessons from Table 2.3 is that there are important differences between the highest fuel economy vehicles of the past and those of today. All of the pre-MY 2015 vehicles in Table 2.3 had 2 or 4 seats, while the MY 2017 vehicles all seat 5 passengers. The older vehicles had inertia weight class values of 1750 pounds, while the MY 2017 vehicles are in inertia weight classes of 2750-4000 pounds, or 1000-2000 pounds heavier. Though not shown in Table 2.3, the MY 2016 vehicles also have faster acceleration rates and are also required to meet more stringent EPA emissions standards and DOT safety standards than vehicles produced in the earlier model years. One clear conclusion from Table 2.3 is that conventional hybrid technology has enabled manufacturers to offer high fuel economy vehicles with much greater utility, while simultaneously meeting more stringent emissions and safety standards, than the high fuel economy vehicles of the past.

Finally, since all of the vehicles in Table 2.3 are cars, Table 2.4 shows a comparable table for the highest fuel economy gasoline and diesel trucks since MY 1975. The methodological approach for selecting the trucks shown in Table 2.4 is the same as discussed above for cars in Table 2.3. The most fuel efficient gasoline/diesel truck in the historical Trends database is a small Volkswagen diesel pickup truck sold in the early 1980s with an unadjusted, laboratory fuel economy of 45 mpg. This year, the MY 2017 Nissan Rogue AWD hybrid rose to second on this list and also achieved an unadjusted, laboratory fuel economy of 45 mpg, only very slightly lower fuel economy than the VW pickup.

The most fuel efficient trucks are a more diverse mix than the most fuel efficient cars—while all three trucks from the 1980s were small diesels, the seven trucks from recent years include six gasoline hybrids, and one conventional gasoline, with inertia weight ratings of 3500-5000 pounds. As shown in Table 2.3 for cars, more efficient powertrain technology in the last few years has enabled automakers to offer high fuel economy trucks with greater seating capacity and inertia weight than the high fuel economy diesel trucks of the early 1980s, while simultaneously meeting more stringent emissions and safety standards.

[3] The Toyota Prius c is available as a MY 2017 vehicle, however the MY 2013 version was slightly more efficient and shows up in Table 2.3 instead of the MY 2017 version.

Table 2.4

Top Ten Highest Fuel Economy Trucks Since 1975, AFVs Excluded

Model Year	Manufacturer	Make	Model	Powertrain	Unadjusted, Laboratory Combined Fuel Economy (MPG)	Number of Seats[4]	Inertia Weight Class (lbs)
1983	VW	VW	Pickup 2WD	Diesel	45	2	2250
2017	Nissan	Nissan	Rogue AWD	Gasoline Hybrid	45	5 or 7	4000
2017	Toyota	Toyota	RAV4 AWD	Gasoline Hybrid	45	5	4000
2017	Toyota	Lexus	NX 300h AWD	Gasoline Hybrid	44	5	4500
1982	GM	Chevrolet	Pickup 2WD	Diesel	43	2	2750
2015	Subaru	Subaru	XV Crosstrek	Gasoline Hybrid	42	5	3500
1983	Grumman Olson	Grumman Olson	Kubvan	Diesel	42	2	2250
2017	Toyota	Lexus	RX 450h AWD	Gasoline Hybrid	41	5	5000
2017	Toyota	Toyota	Highlander AWD	Gasoline Hybrid	40	7 or 8	5000
2017	Honda	Honda	CR-V AWD	Conv. Gasoline	40	5	3500

[4] The Nissan Rogue and Toyota Highlander have optional packages available that can increase seating.

3 Vehicle Class, Type, and Attributes

A. Vehicle Class

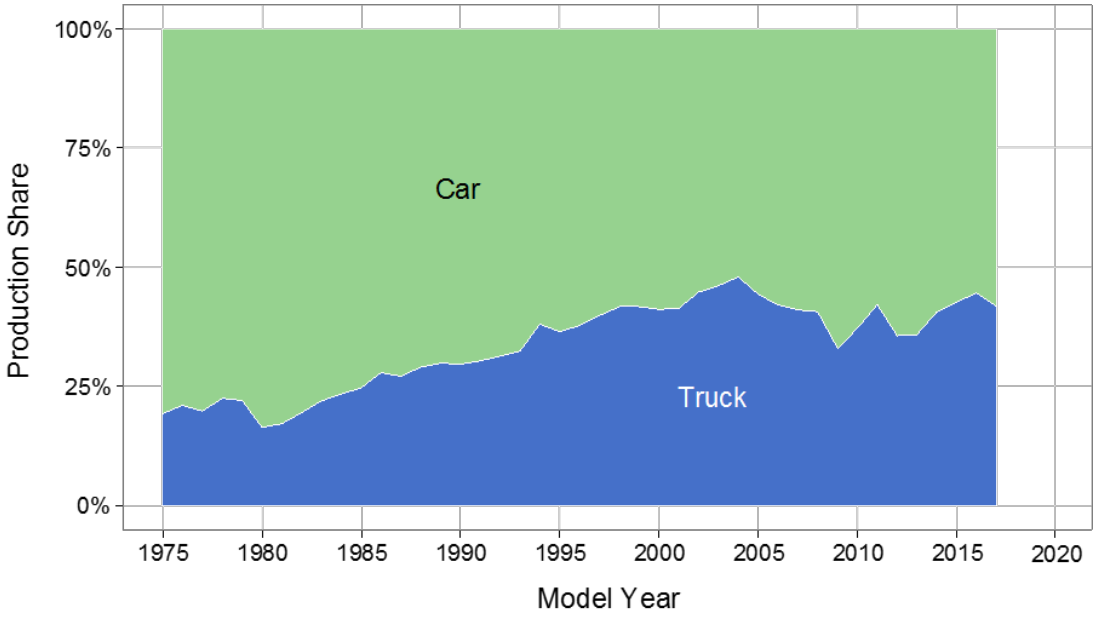
We use "class" to refer to the overall division of light-duty (or personal) vehicles into the two classes of "cars" and "trucks." This car-truck distinction has been recognized since the database was originally created in 1975, though the precise definitions associated with these two classes have changed somewhat over time. Car-truck classification is important both because of functional differences between the design of many cars and trucks, and because there are separate footprint-based CO_2 emissions and fuel economy standards curves for cars and trucks. The regulatory challenge has been where to draw the line between cars and trucks, and this has evolved over time.

Car and truck classifications in this report are based on the current regulatory definitions used by both EPA and NHTSA for CO_2 emissions and CAFE standards. These current definitions are somewhat different than those used in older versions of this report. The most important change was re-classification of many small and mid-sized, 2-wheel drive sport utility vehicles (SUVs) from the truck category to the car category. As with other such changes in this report, this change has been propagated back throughout the entire historical database. This re-classification reduced the absolute truck share by approximately 10% for recent years. A second change was the inclusion of medium-duty passenger vehicles (MDPVs), those SUVs and passenger vans with gross vehicle weight ratings between 8,500 and 10,000 pounds and which previously had been treated as heavy-duty vehicles, into the light-duty truck category. This is a far less important change, since the number of MDPVs is much smaller than it once was (e.g., only an estimated 6,500 MDPVs were produced for sale in MY 2012). In this report, "cars" include passenger cars and most small and mid-sized, 2 wheel-drive SUVs, while "trucks" include all other SUVs and all minivans and vans, and pickup trucks below 8500 pounds gross vehicle weight rating.

Figure 3.1 shows the car and truck production volume shares using the current car-truck definitions throughout the MY 1975-2017 database.

Figure 3.1

Car and Truck Production Share by Model Year



Truck share was around 20% from MY 1975-1982, and then started to increase steadily through MY 2004, when it peaked at 48%. Between MY 2004 and MY 2012, truck share was volatile, affected by factors such as the economic recession of 2009, the Car Allowance Rebate System (also known as Cash for Clunkers) in 2009, and the earthquake and tsunami aftermath in Japan in 2011. Since MY 2012, truck share has increased four years in a row and by nearly 10 percentage points, due to growing SUV sales. Increases, or decreases, in the truck share over time are a critical factor in the overall fleetwide CO_2 and fuel economy trends. The final truck share value for MY 2016 is 45%, 2 percentage points higher than in MY 2015 but 3 percentage points lower than the peak truck share of 48% in MY 2004. The preliminary MY 2017 truck market share is projected to decrease to 42%, though this is very uncertain given low gasoline prices.

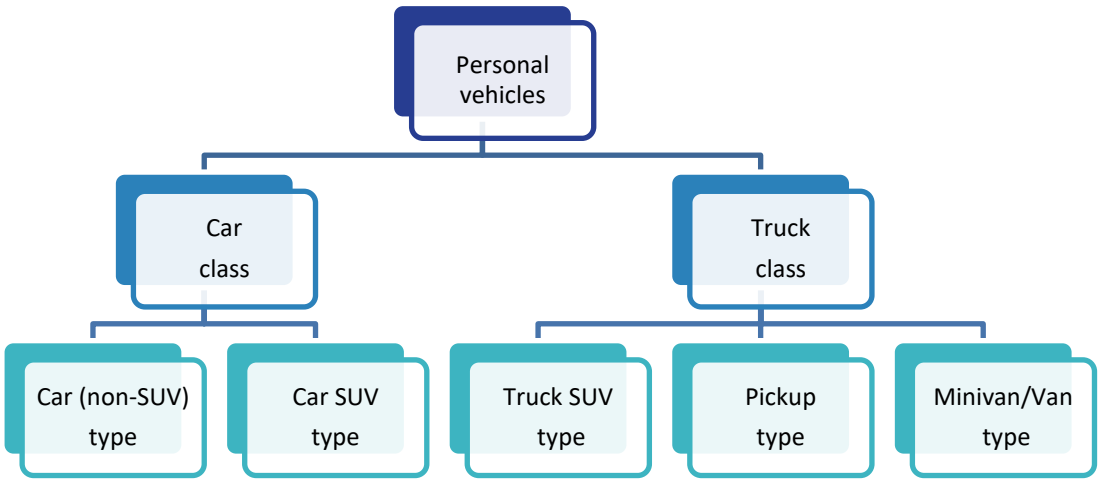
B. Vehicle Type

We use vehicle "type" to refer to secondary divisions within the car and truck classes. Vehicle type is not relevant to standards compliance, as all cars (and, separately, all trucks) use the same footprint-CO_2 emissions and footprint-fuel economy target curves, but we believe that certain vehicle type distinctions are illustrative and meaningful from both vehicle design and marketing perspectives.

This report breaks the car class into two types—cars and car SUVs. The truck class is split into three types—truck SUVs, pickups, and minivans/vans. This is a simpler approach than that used in some older versions of this report.

Figure 3.2

Vehicle Classes and Types Used in This Report

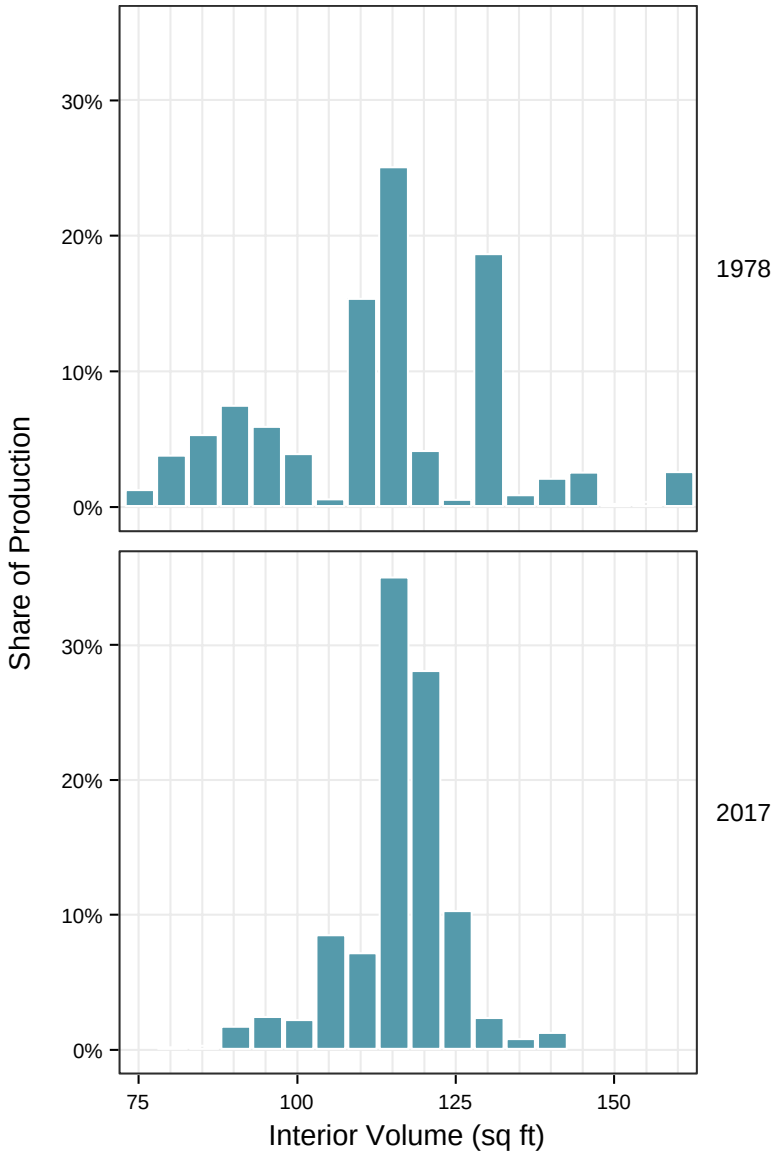


For cars, pre-2013 versions of this report generally divided the car class into as many as 9 types/sizes (Cars, Wagons, and Car SUVs, each further subdivided into small, medium, and large sizes based on interior volume). We no longer use wagons as a car type in this report.

More importantly, we believe that interior volume (the sum of passenger volume and cargo volume, typically measured in cubic feet), the metric that was historically used to differentiate among car type vehicles, is not as informative as it once was. For example, Figure 3.3 shows production share versus interior volume for car type vehicles for two years, MY 1978 and MY 2017, for high-volume manufacturers.

Figure 3.3

Car Type Production Share vs. Interior Volume for High Volume Manufacturers, MY 1978 and 2017



The data in Figure 3.3 illustrate the "compression" in the range of interior volumes for car type vehicles since 1978 (each bar represents a band of 5 cubic feet). Two-seater cars are excluded from this figure as automakers do not provide interior volume data for 2-seaters. In MY 1978, there were mainstream car type vehicles on the market with interior volumes ranging from about 70 cubic feet to about 160 cubic feet, with meaningful production volume at both ends of the spectrum. Today, mainstream offerings range from about 80 cubic feet to about 130 cubic feet (some 4-seat cars in the 55-60 cubic feet interior volume range do not show up in this figure due to very low production volume). The compression is even greater when considering production volumes. We reviewed the data for one high-volume make that offered seven car type models in MY 2012. The interior volume of these seven models ranged

from 97-124 cubic feet, with 75% of sales within a very narrow interior volume range of 104-111 cubic feet, and about 50% of production (representing 3 models) with essentially the same interior volume (110-111 cubic feet).

Accordingly, we believe that interior volume is no longer very useful as a differentiator among car type vehicles in the Trends database. We believe that vehicle footprint is a more appropriate indicator of car size because it is the basis for both CO_2 emissions and fuel economy standards (and it is relevant to both cars and trucks). Interior volume data for car type vehicles will still be included in the Trends database.

This report divides the car class into two types, a car SUV type, and a car type. Vehicles classified as part of the car SUV type must meet two criteria: 1) they are classified as an SUVs per the fuel economy labeling program (see www.fueleconomy.gov), and 2) they do not meet the light truck definition in the GHG and fuel economy standards. Vehicles designated as a minicompact, subcompact, compact, midsize, large, two-seater cars, or station wagons as part of the labeling program are classified as part of the car type in this report. For propagating back in the historical database, station wagons are generally allocated to the car type.

For trucks, pre-2013 versions of this report divided the truck class into 9 types/sizes (SUVs, Pickups, and Vans (including minivans), each further subdivided into small, medium, and large sizes based on vehicle wheelbase). This report retains the three historical truck types because we believe that there continue to be meaningful functional and marketing differences between truck SUVs (those SUVs that must meet the truck GHG emissions and fuel economy standards), pickups, and minivans/vans. See Section 10 for the definitions for SUVs, pickups, minivans, and vans and for more information about car-truck classifications. We use engineering judgment to allocate the very small number of special purpose vehicles (as designated on www.fueleconomy.gov) to the three truck types.

It is important to note that this report no longer uses wheelbase to differentiate between truck type sizes. The rationale for this change, similar to that for car interior volume above, is that the wheelbase metric is not as informative as it once was. For example, under the wheelbase thresholds that were used in the 2012 report, 99% of MY 2011 pickups were "large" and 99% of MY 2011 minivans/vans were "medium." In addition, wheelbase is one of the two factors that comprise vehicle footprint (wheelbase times average track width).

Figure 3.4 shows the car and truck production volume shares for MY 1975-2017, subdivided into the two car types and three truck types. Table 3.1 shows the same data in tabular form.

Figure 3.4

Vehicle Type Production Share by Model Year

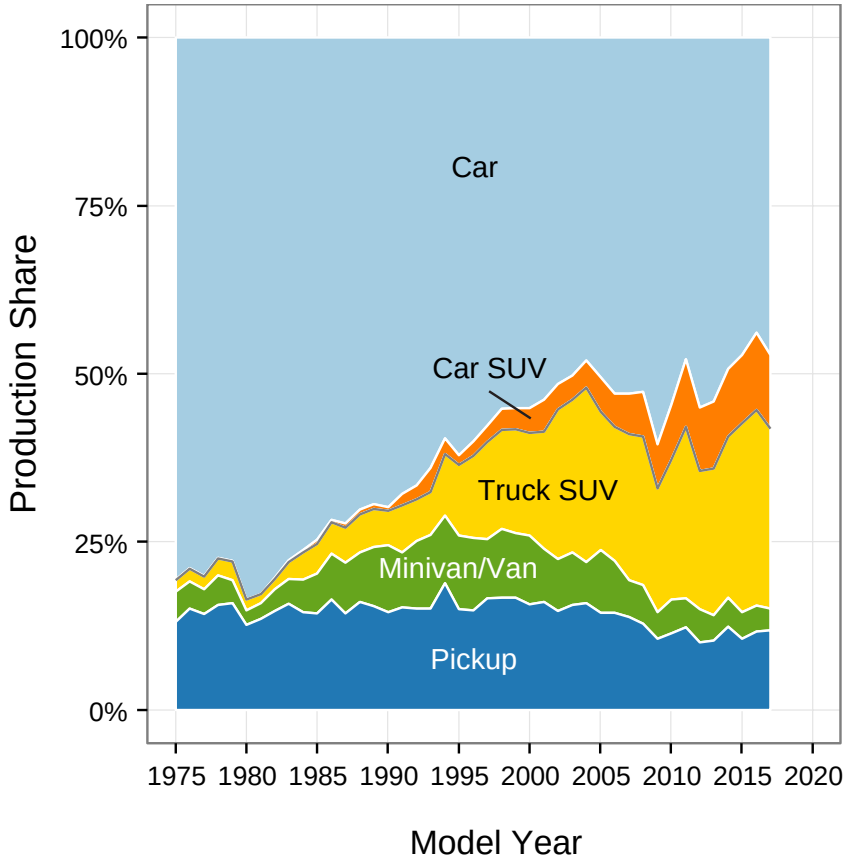


Table 3.1

Vehicle Type Production Share by Model Year

Model Year	Car (non- SUV)	Car SUV	All Car	Truck SUV	Pickup	Minivan/ Van	All Truck
1975	80.6%	0.1%	80.7%	1.7%	13.1%	4.5%	19.3%
1976	78.8%	0.1%	78.9%	1.9%	15.1%	4.1%	21.1%
1977	80.0%	0.1%	80.1%	1.9%	14.3%	3.6%	19.9%
1978	77.3%	0.1%	77.5%	2.5%	15.7%	4.3%	22.5%
1979	77.8%	0.1%	77.9%	2.8%	15.9%	3.5%	22.1%
1980	83.5%	0.0%	83.5%	1.6%	12.7%	2.1%	16.5%
1981	82.7%	0.0%	82.8%	1.3%	13.6%	2.3%	17.2%
1982	80.3%	0.1%	80.5%	1.5%	14.8%	3.2%	19.5%
1983	77.7%	0.3%	78.0%	2.5%	15.8%	3.7%	22.0%
1984	76.1%	0.4%	76.5%	4.1%	14.6%	4.8%	23.5%
1985	74.6%	0.6%	75.2%	4.5%	14.4%	5.9%	24.8%
1986	71.7%	0.4%	72.1%	4.6%	16.5%	6.8%	27.9%
1987	72.2%	0.6%	72.8%	5.2%	14.4%	7.5%	27.2%
1988	70.2%	0.7%	70.9%	5.6%	16.1%	7.4%	29.1%
1989	69.3%	0.7%	70.1%	5.7%	15.4%	8.8%	29.9%
1990	69.8%	0.5%	70.4%	5.1%	14.5%	10.0%	29.6%
1991	67.8%	1.8%	69.6%	6.9%	15.3%	8.2%	30.4%
1992	66.6%	2.0%	68.6%	6.2%	15.1%	10.0%	31.4%
1993	64.0%	3.6%	67.6%	6.3%	15.2%	10.9%	32.4%
1994	59.6%	2.3%	61.9%	9.1%	18.9%	10.0%	38.1%
1995	62.0%	1.5%	63.5%	10.5%	15.0%	11.0%	36.5%
1996	60.0%	2.2%	62.2%	12.2%	14.9%	10.7%	37.8%
1997	57.6%	2.5%	60.1%	14.5%	16.7%	8.8%	39.9%
1998	55.1%	3.1%	58.3%	14.7%	16.7%	10.3%	41.7%
1999	55.1%	3.2%	58.3%	15.4%	16.7%	9.6%	41.7%
2000	55.1%	3.7%	58.8%	15.2%	15.8%	10.2%	41.2%
2001	53.9%	4.8%	58.6%	17.3%	16.1%	7.9%	41.4%
2002	51.5%	3.7%	55.2%	22.3%	14.8%	7.7%	44.8%
2003	50.2%	3.6%	53.9%	22.6%	15.7%	7.8%	46.1%
2004	48.0%	4.1%	52.0%	25.9%	15.9%	6.1%	48.0%
2005	50.5%	5.1%	55.6%	20.6%	14.5%	9.3%	44.4%
2006	52.9%	5.0%	57.9%	19.9%	14.5%	7.7%	42.1%
2007	52.9%	6.0%	58.9%	21.7%	13.8%	5.5%	41.1%
2008	52.7%	6.6%	59.3%	22.1%	12.9%	5.7%	40.7%
2009	60.5%	6.5%	67.0%	18.4%	10.6%	4.0%	33.0%
2010	54.5%	8.2%	62.8%	20.7%	11.5%	5.0%	37.2%
2011	47.8%	10.0%	57.8%	25.5%	12.3%	4.3%	42.2%
2012	55.0%	9.4%	64.4%	20.6%	10.1%	4.9%	35.6%
2013	54.1%	10.0%	64.1%	21.8%	10.4%	3.8%	35.9%
2014	49.2%	10.1%	59.3%	23.9%	12.4%	4.3%	40.7%
2015	47.2%	10.2%	57.4%	28.1%	10.7%	3.9%	42.6%
2016	43.8%	11.5%	55.3%	29.1%	11.7%	3.9%	44.7%
2017 (prelim)	*47.2%*	*11.0%*	*58.1%*	*26.8%*	*11.9%*	*3.2%*	*41.9%*

The data from Table 3.1 show that car type market share has dropped from around 80% in the MY 1975-1985 timeframe to below 50% today. Pickups accounted for most of the remaining market share in MY 1975-1985. In the late 1980s, both minivans/vans and truck SUVs began to erode car type market share, with truck SUV market share reaching 29% in MY 2016. More recently, car SUVs have become more popular and have increased market share to over 11%. Total SUVs, including both car SUVs and truck SUVs, have increased market share to over 40% in MY 2016. Pickup market share was approximately 15% from MY 1975 through MY 2005, but has declined slightly to approximately 12% in MY 2016.

Table 3.2 shows adjusted fuel economy and CO_2 emissions by model type since 1975. Each of the 5 vehicle types are at or near record fuel economy and CO_2 emissions levels in the final MY 2016 data. The car type achieves the highest fuel economy value for MY 2016, followed by car SUVs, truck SUVs, minivans/vans, and pickups. In the preliminary MY 2017 data, the car type and minivans/vans are expected to further improve, with pickups and truck SUVs staying the same and car SUVs slightly decreasing. Interestingly, over the 5-year period from MY 2012-2017, the vehicle types that have achieved the largest improvement in CO_2 emissions are those with the lowest absolute fuel economy. Truck SUVs have reduced CO_2 emissions by 44 g/mi since MY 2012 and pickups have reduced CO_2 emissions by 46 g/mi since MY 2012, while the other vehicle types all showed smaller reductions.

Table 3.2

Vehicle Type Adjusted Fuel Economy and CO_2 Emissions by Model Year

	Car (non- SUV)		Car SUV		Pickup		Truck SUV		Minivan/Van	
Model Year	Adj Fuel Economy (MPG)	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Adj CO_2 (g/mi)
1975	13.5	660	11.1	799	11.9	746	11.0	806	11.1	800
1976	14.9	598	10.6	840	12.4	714	11.8	755	11.8	754
1977	15.6	570	12.2	731	13.6	656	12.8	692	12.5	710
1978	16.9	525	11.6	768	13.3	668	12.3	723	12.1	736
1979	17.2	517	14.3	623	13.2	674	10.5	844	11.5	774
1980	20.0	446	14.6	610	16.5	541	13.2	676	14.1	629
1981	21.4	418	14.7	605	17.9	500	14.3	621	14.8	599
1982	22.2	402	19.8	450	18.5	486	14.7	616	14.7	605
1983	22.1	403	20.7	430	18.9	473	15.8	568	15.1	593
1984	22.4	397	19.3	461	18.3	488	16.2	551	16.1	552
1985	23.0	387	20.1	443	18.2	489	16.5	538	16.5	537
1986	23.7	375	18.9	470	18.9	471	17.0	523	17.5	509
1987	23.8	373	19.4	458	19.0	467	17.3	515	17.7	503
1988	24.1	368	19.2	462	18.1	490	17.0	522	17.9	497
1989	23.7	375	19.1	465	17.8	499	16.6	537	17.8	499
1990	23.3	381	18.8	472	17.4	511	16.4	541	17.8	498
1991	23.4	379	18.2	488	18.2	489	16.7	531	17.9	496
1992	23.1	385	17.8	498	17.5	508	16.2	548	17.9	496
1993	23.5	379	17.0	522	17.6	505	16.3	546	18.2	488
1994	23.3	382	18.0	493	17.4	510	16.0	555	17.8	498
1995	23.4	379	17.8	499	16.9	526	16.0	555	18.1	492
1996	23.3	381	18.4	482	17.1	518	16.2	548	18.3	485
1997	23.4	380	19.2	462	16.8	528	16.1	551	18.2	489
1998	23.4	380	18.2	487	17.0	523	16.2	550	18.7	475
1999	23.0	386	18.5	480	16.3	546	16.1	553	18.3	486
2000	22.9	388	17.9	497	16.7	534	16.0	555	18.6	478
2001	23.0	386	18.8	472	16.0	557	16.4	541	18.0	493
2002	23.1	385	19.3	460	15.8	564	16.3	545	18.7	475
2003	23.3	382	19.9	446	16.1	553	16.4	541	19.0	468
2004	23.1	384	20.0	445	15.7	565	16.5	539	19.2	464
2005	23.5	379	20.2	440	15.8	561	16.7	531	19.3	460
2006	23.3	382	20.5	434	16.1	551	17.2	518	19.5	455
2007	24.1	369	20.6	431	16.2	550	17.7	503	19.5	456
2008	24.3	366	21.2	419	16.5	539	18.2	489	19.8	448
2009	25.3	351	22.0	403	16.9	526	19.3	461	20.1	443
2010	26.2	340	23.0	386	16.9	527	19.7	452	20.1	442
2011	25.8	344	23.5	378	17.2	516	19.8	449	20.9	424
2012	27.6	322	23.3	381	17.2	516	20.0	445	21.3	418
2013	28.4	313	24.3	365	17.5	509	20.8	427	21.1	422
2014	28.4	313	24.4	364	18.0	493	21.6	412	21.3	418
2015	29.0	306	25.1	353	18.8	474	21.9	406	21.8	408
2016	29.2	303	26.2	338	18.9	471	22.2	400	21.7	410
2017 (prelim)	*30.0*	*295*	*26.0*	*339*	*18.9*	*470*	*22.2*	*401*	*22.8*	*390*

One particular vehicle type trend of interest is associated with small SUVs that are classified as cars if they have 2-wheel drive and as trucks if they have 4-wheel drive and meet other requirements such as minimum angles and clearances. For this analysis, summarized in Table 3.3, we reviewed MY 2000-2017 SUVs with inertia weights of 4000 pounds or less (SUVs with inertia weights of 5000 pounds or more are typically categorized as trucks regardless of whether they are 2-wheel or 4-wheel drive). Note that we have propagated the current car-truck definitions back to previous years in the Trends database in order to maintain the integrity of historical trends (i.e., some vehicles that were defined as trucks in past years are now defined as cars for those same years in the Trends database).

Table 3.3

Car-Truck Classification of SUVs with Inertia Weights of 4000 Pounds or Less

Model Year	Car SUV Production (000)	Truck SUV Production (000)	Total SUV Production (000)	Percent Car SUV	Percent Truck SUV
2000	617	796	1,413	43.7%	56.3%
2001	743	920	1,663	44.7%	55.3%
2002	602	928	1,531	39.4%	60.6%
2003	575	994	1,569	36.6%	63.4%
2004	599	1,116	1,715	34.9%	65.1%
2005	753	867	1,620	46.5%	53.5%
2006	691	758	1,449	47.7%	52.3%
2007	761	843	1,604	47.4%	52.6%
2008	748	799	1,547	48.4%	51.6%
2009	539	575	1,115	48.4%	51.6%
2010	659	854	1,512	43.5%	56.5%
2011	985	1,044	2,029	48.5%	51.5%
2012	1,039	867	1,907	54.5%	45.5%
2013	1,177	1,190	2,367	49.7%	50.3%
2014	1,340	1,533	2,872	46.6%	53.4%
2015	1,427	1,949	3,376	42.3%	57.7%
2016	1,683	2,072	3,755	44.8%	55.2%
2017 (prelim)	-	-	-	*46.1%*	*53.9%*

Table 3.3 shows that the fraction of SUVs with curb weights less than 4000 pounds that are classified as trucks, using the current car-truck definitions propagated back in time, has declined from a high of 65% in the early 2000s to around 55% in recent years.

Appendix D gives additional data stratified by vehicle type.

C. Vehicle Footprint, Weight, and Horsepower

This sub-section focuses on three key attributes that impact CO_2 emissions and fuel economy. These attributes are footprint, weight, and horsepower. All three attributes are relevant to all light-duty vehicles and were included in the Table 2.1 fleetwide data. Vehicle acceleration is discussed in the following sub-section.

Vehicle footprint is a very important attribute since it is the basis for the current CO_2 emissions and fuel economy standards. Footprint is the product of wheelbase times average track width (or the area defined by where the centers of the tires touch the ground). We provide footprint data beginning with MY 2008, though it is important to highlight that we have higher confidence in the data beginning in MY 2011. Footprint data from MY 2008-2010 were aggregated from various sources, some independent of formal automaker data, and EPA has less confidence in the consistency and precision of this data. Beginning in MY 2011, the first year when both car and truck CAFE standards were based on footprint, automakers began to formally submit reports to EPA with footprint data at the end of the model year, and this formal footprint data is reflected in the final data through MY 2016. EPA projects footprint data for the preliminary MY 2017 fleet based on footprint values for existing models from previous years and footprint values for new vehicle designs available through public sources. With these caveats, Table 2.1 above shows that average fleetwide footprint has hovered around 49 square feet since MY 2008. The MY 2016 footprint is 49.5 square feet, which is a 0.1 square feet decrease relative to MY 2015. The preliminary MY 2017 footprint value is 49.5 square feet, which would be no change.

Vehicle weight is a fundamental vehicle attribute, both because it can be related to utility functions such as vehicle size and features, and because higher weight, other things being equal, will increase CO_2 emissions and decrease fuel economy. All Trends vehicle weight data are based on inertia weight class. Each inertia weight class represents a range of loaded vehicle weights, or vehicle curb weights plus 300 pounds. Vehicle inertia weight classes are in 250-pound increments for classes below 3000 pounds, while inertia weight classes over 3000 pounds are divided into 500-pound increments. Table 2.1 shows that average fleetwide vehicle weight decreased from nearly 4100 pounds in MY 1976 to 3200 pounds in MY 1981, likely driven by both increasing fuel economy standards (which, at that time, were universal standards, and not based on any type of vehicle attribute) and higher gasoline prices. Average vehicle weight then grew slowly but steadily over the next 23 years (in part because of the increasing truck share), to 4111 pounds in MY 2004. Since 2004, average vehicle weight has stayed fairly constant in the range of 4000 to 4100 pounds, reaching 4126 pounds in MY 2011, an all-time high since the database began in 1975. Average MY 2016 weight was 4035 pounds, which is exactly the same as MY 2015. The preliminary MY 2017 value for weight is 4044 pounds, which if realized would represent a 9 pound increase compared to MY 2016.

Horsepower (hp) is of interest as a direct measure of vehicle power. In the past, higher power generally increased CO_2 emissions and decreased fuel economy, though this relationship is now less important with turbo and hybrid packages. Horsepower data for all gasoline (including conventional hybrids) and diesel vehicles in the Trends database reflect engine rated horsepower. Average fleetwide horsepower dropped from 137 hp in MY 1975 to 102 hp in MY 1981. Since MY 1981, horsepower values have increased just about every year (again, in part due to the increasing truck share through 2004), and current levels are over twice those of the early 1980s. Average MY 2016 horsepower was 230 hp, a 1 hp increase relative to MY 2015 and tied with the record high achieved in MY 2014 and MY 2011. The preliminary value for MY 2017 is 232 hp.

The following two tables provide data for the three attributes discussed above for the car and truck classes separately (these data are shown for the entire fleet in Table 2.1 above).

Table 3.4.1 shows that car adjusted fuel economy reached its all-time high of 28.5 mpg in MY 2016, which is more than twice the MY 1975 level of 13.5 mpg, and an increase of 0.3 mpg from MY 2015. Car adjusted CO_2 emissions decreased by 3 g/mi to a new all-time low of 311 g/mi. Car weight dropped 23 lbs on average, horsepower fell slightly, and footprint was unchanged from MY 2015 to MY 2016. Car fuel economy is projected to increase by 0.6 mpg in MY 2017 to another record high, while car weight, horsepower, and footprint are projected to increase by 1% or less from MY 2016. The interior volume data shown in Table 3.4.1 is only for car type vehicles, as EPA does not collect interior volume data for car SUVs.

Table 3.4.2 shows that truck adjusted fuel economy was a record high 21.2 mpg in MY 2016, which was a 0.1 mpg increase over MY 2015. Truck weight was down 24 lbs on average, while horsepower was up slightly and footprint was down slightly from MY 2015 to MY 2016. Truck weight, horsepower, and footprint are all projected to increase in MY 2017, while fuel economy is projected to be unchanged.

Table 3.4.1

Car Adjusted CO_2 Emissions, Adjusted Fuel Economy, and Key Parameters by Model Year

Model Year	Gasoline and Diesel Production (000)	Car Production Share	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Weight (lbs)	HP	Footprint (sq ft)	Interior Volume*
1975	8,247	80.7%	661	13.5	4057	136	-	-
1976	9,734	78.9%	598	14.9	4059	134	-	-
1977	11,318	80.1%	570	15.6	3944	133	-	110
1978	11,191	77.5%	525	16.9	3588	124	-	109
1979	10,810	77.9%	517	17.2	3485	119	-	109
1980	9,444	83.5%	446	20.0	3101	100	-	104
1981	8,734	82.8%	418	21.4	3076	99	-	106
1982	7,832	80.5%	402	22.2	3053	99	-	106
1983	8,035	78.0%	403	22.1	3112	104	-	109
1984	10,730	76.5%	397	22.4	3101	106	-	108
1985	10,879	75.2%	387	23.0	3096	111	-	108
1986	11,074	72.1%	375	23.7	3043	111	-	107
1987	10,826	72.8%	374	23.8	3035	113	-	107
1988	10,845	70.9%	369	24.1	3051	116	-	107
1989	10,126	70.1%	376	23.6	3104	121	-	108
1990	8,875	70.4%	382	23.3	3178	129	-	107
1991	8,747	69.6%	382	23.3	3168	133	-	107
1992	8,350	68.6%	389	22.9	3254	141	-	108
1993	8,929	67.6%	386	23.0	3241	140	-	108
1994	8,747	61.9%	386	23.0	3268	144	-	108
1995	9,616	63.5%	382	23.3	3274	153	-	109
1996	8,177	62.2%	384	23.1	3297	155	-	109
1997	8,695	60.1%	384	23.2	3285	156	-	109
1998	8,425	58.3%	386	23.0	3334	160	-	109
1999	8,865	58.3%	392	22.7	3390	164	-	109
2000	9,742	58.8%	395	22.5	3401	168	-	110
2001	9,148	58.6%	393	22.6	3411	169	-	109
2002	8,903	55.2%	390	22.8	3415	173	-	110
2003	8,496	53.9%	386	23.0	3437	176	-	110
2004	8,176	52.0%	389	22.9	3492	184	-	110
2005	8,839	55.6%	384	23.1	3498	183	-	111
2006	8,744	57.9%	386	23.0	3563	194	-	112
2007	9,001	58.9%	375	23.7	3551	191	-	110
2008	8,243	59.3%	372	23.9	3569	194	45.3	110
2009	6,244	67.0%	356	25.0	3502	186	45.2	110
2010	6,976	62.8%	346	25.7	3536	190	45.4	110
2011	6,949	57.8%	350	25.4	3617	200	46.0	111
2012	8,659	64.4%	331	26.9	3519	192	45.7	111
2013	9,740	64.1%	321	27.7	3543	197	45.9	110
2014	9,205	59.3%	322	27.6	3559	198	46.1	111
2015	9,601	57.4%	314	28.2	3556	197	46.1	111
2016	9,000	55.3%	311	28.5	3533	196	46.1	112
2017 (prelim)	-	*58.1%*	*303*	*29.1*	*3570*	*198*	*46.2*	*112*

* Interior volume calculated using "Car" type only and does not include Car SUVs.

Table 3.4.2

Truck Adjusted CO_2 Emissions, Adjusted Fuel Economy, and Key Parameters by Model Year

Model Year	Gasoline and Diesel Production (000)	Truck Production Share	Adj CO_2 (g/mi)	Adj Fuel Economy (MPG)	Weight (lbs)	HP	Footprint (sq ft)
1975	1,977	19.3%	764	11.6	4073	142	-
1976	2,600	21.1%	726	12.2	4155	141	-
1977	2,805	19.9%	669	13.3	4136	147	-
1978	3,257	22.5%	687	12.9	4152	146	-
1979	3,072	22.1%	711	12.5	4257	138	-
1980	1,863	16.5%	565	15.8	3869	121	-
1981	1,821	17.2%	523	17.1	3806	119	-
1982	1,901	19.5%	516	17.4	3813	120	-
1983	2,267	22.0%	504	17.7	3773	118	-
1984	3,289	23.5%	512	17.4	3787	118	-
1985	3,581	24.8%	509	17.5	3803	124	-
1986	4,291	27.9%	489	18.2	3741	123	-
1987	4,039	27.2%	486	18.3	3718	131	-
1988	4,450	29.1%	498	17.8	3850	141	-
1989	4,327	29.9%	506	17.6	3932	146	-
1990	3,740	29.6%	512	17.4	4014	151	-
1991	3,825	30.4%	500	17.8	3961	150	-
1992	3,822	31.4%	512	17.3	4078	155	-
1993	4,281	32.4%	507	17.5	4098	160	-
1994	5,378	38.1%	518	17.2	4149	166	-
1995	5,529	36.5%	524	17.0	4201	168	-
1996	4,967	37.8%	518	17.2	4255	179	-
1997	5,762	39.9%	528	16.8	4394	189	-
1998	6,030	41.7%	521	17.1	4317	188	-
1999	6,350	41.7%	535	16.6	4457	199	-
2000	6,829	41.2%	528	16.8	4421	199	-
2001	6,458	41.4%	538	16.5	4543	212	-
2002	7,211	44.8%	539	16.5	4612	223	-
2003	7,277	46.1%	533	16.7	4655	224	-
2004	7,533	48.0%	538	16.5	4783	240	-
2005	7,053	44.4%	526	16.9	4763	242	-
2006	6,360	42.1%	518	17.2	4758	240	-
2007	6,275	41.1%	512	17.4	4871	254	-
2008	5,656	40.7%	499	17.8	4837	254	54.0
2009	3,071	33.0%	480	18.5	4753	252	54.0
2010	4,141	37.2%	474	18.8	4784	253	53.8
2011	5,069	42.2%	466	19.1	4824	271	54.4
2012	4,790	35.6%	461	19.3	4809	276	54.5
2013	5,458	35.9%	450	19.8	4824	277	54.7
2014	6,307	40.7%	437	20.3	4790	277	55.0
2015	7,138	42.6%	423	21.1	4680	271	53.9
2016	7,267	44.7%	420	21.2	4656	272	53.7
2017 (prelim)	-	*41.9%*	*420*	*21.2*	*4703*	*279*	*54.0*

Figure 3.5 includes summary charts showing long-term trends for adjusted CO_2 emissions, adjusted fuel economy, footprint, weight, and horsepower for the five vehicle types discussed above. Most of the long-term trends are similar across the various vehicle types, with the major exception being pickups, for which CO_2 emissions and fuel economy have not reached all-time records in recent years (unlike the other vehicle types) due to considerably greater increases in weight and horsepower relative to the other vehicle types.

Figure 3.5

Adjusted CO_2 Emissions, Adjusted Fuel Economy and Other Key Parameters by Vehicle Type

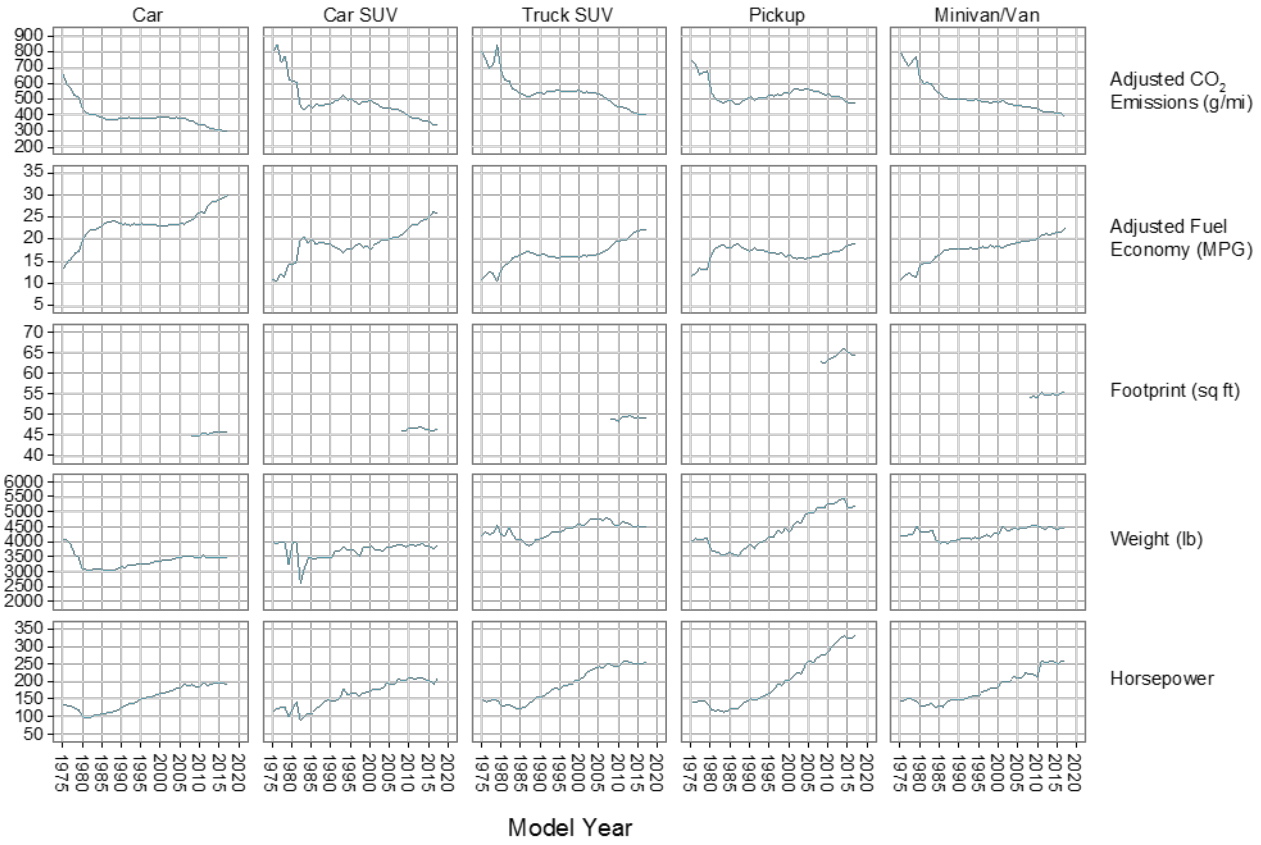


Figure 3.6 shows footprint data for average new vehicles and each of the five vehicle types since MY 2008. The average footprint within each of the five vehicle types has been relatively stable between MY 2008 and MY 2016. The average footprint for pickup trucks increased 1.5 ft^2 (2.4%), cars increased 1 ft^2 (2.1%), minivans/vans increased 1.0 ft^2 (1.9%), truck SUVs increased 0.4 ft^2 (0.7%) and car SUVs were down 0.2 ft^2 (-0.4%).

The overall new vehicle footprint has also been relatively stable since MY 2008. The overall average is influenced by the trends within each vehicle type, as well as the mix of new vehicles produced. In MY 2016, the market continued a shift towards car SUVs and truck SUVs, and away from cars, pickups, and minivans/vans. The result of this shift, along with the changes within each vehicle type, is that overall industry footprint increased by 1.2% between MY 2008 and MY 2016.

Figure 3.6

Footprint by Vehicle Type for MY 2008–2017

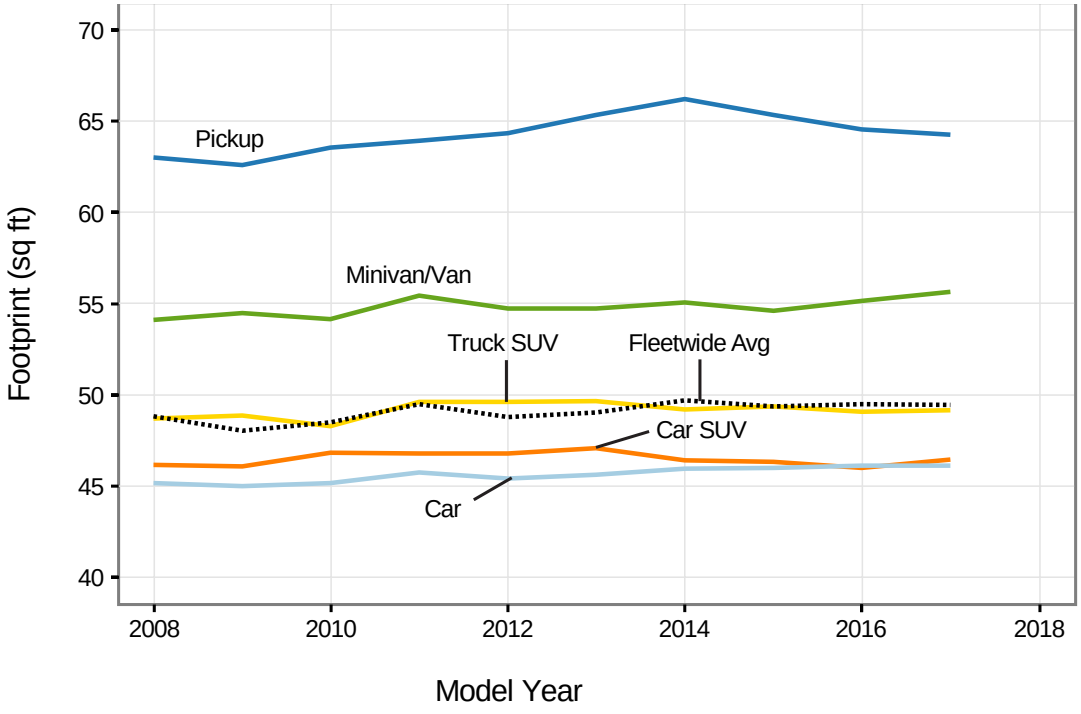
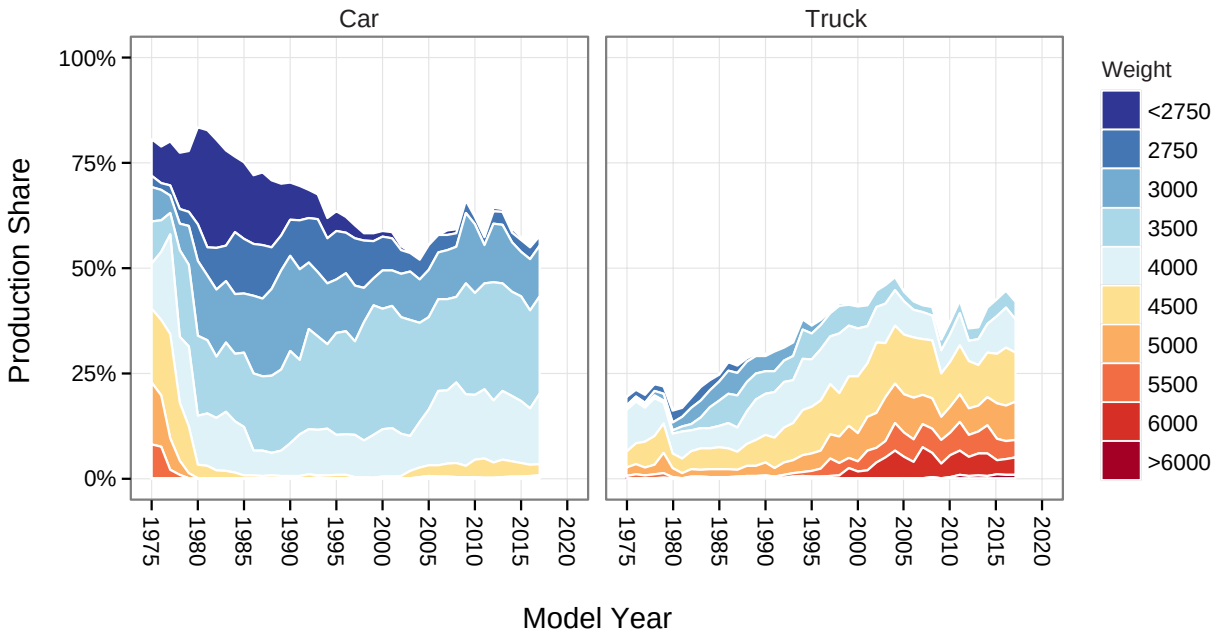


Figure 3.7 shows the annual production share of different inertia weight classes for cars and trucks. This figure again shows the "compression" on the car side that was also discussed with respect to interior volume—in the late 1970s there were significant car sales both in the <2750 pound class as well as in the 5500 pound class (interestingly, there were more 5500 pound cars sold in the late 1970s than there were 5500 pound trucks). Today, both the lightest and heaviest cars have largely disappeared from the market, and about 90% of all cars are in just three inertia weight classes (3000, 3500, and 4000 pounds). Conversely, the heavy end of the truck market has expanded markedly such that 4500 pounds and greater trucks now account for over 70% of the truck market.

Figure 3.7

Car and Truck Production Share by Vehicle Inertia Weight Class



The next three figures, Figures 3.8 through 3.10, address the engineering relationships between efficiency and three key vehicle attributes: footprint, weight, and interior volume (car type only). It is important to emphasize that, in order to best reflect the engineering relationships involved, these figures differ from most of the figures and tables presented so far in four important ways. One, they show ***fuel consumption*** (the inverse of fuel economy), because fuel consumption represents a linear relationship while fuel economy is non-linear (i.e., a 1 mpg difference at a lower fuel economy represents a greater change in fuel consumption than a 1 mpg difference at a higher fuel economy). The metric used for fuel consumption is gallons per 100 miles, also shown on new vehicle Fuel Economy and Environment Labels. Fuel consumption is an excellent surrogate for CO_2 emissions, as well. Two, Figures 3.8 through 3.10 show ***unadjusted, laboratory*** values (for fuel consumption), rather than the adjusted values shown primarily in this report, in order to exclude the impact of non-technology factors associated with the adjusted fuel economy values (e.g., changes in

driving speeds or use of air conditioning over time). Three, there is **no sales weighting** in either the calculations of the individual data points or the regression lines as the purpose of these figures is to illustrate the technical relationships between fuel consumption and key vehicle attributes, independent of market success. The non-hybrid gasoline, diesel, and gasoline hybrid data points in these figures are averages for each integer footprint value and are plotted separately to illustrate the differences between these technologies. The regression lines are based on the non-hybrid gasoline data points only. As would be expected, the hybrid and diesel data points almost always reflect lower fuel consumption than the regression line representing non-hybrid gasoline vehicles. Finally, these figures exclude alternative fuel vehicles.

Figure 3.8 shows unadjusted, laboratory fuel consumption as a function of vehicle footprint for the MY 2016 car and truck fleets. On average, higher footprint values are correlated with greater fuel consumption. Car fuel consumption is more sensitive to footprint (i.e., greater slope for the regression line) than truck fuel consumption, though this relationship is exaggerated somewhat by the fact that the highest footprint cars are low-volume luxury cars with very high fuel consumption. Most cars have footprint values below 55 square feet, and at these footprint levels, the average car has lower fuel consumption than the average truck. For the much smaller number of cars that have footprint values greater than 55 square feet (typically performance or luxury cars), these cars generally have higher fuel consumption than trucks of the same footprint.

Figure 3.8

Unadjusted, Laboratory Fuel Consumption vs. Footprint, Car and Truck, MY 2016, AFVs Excluded

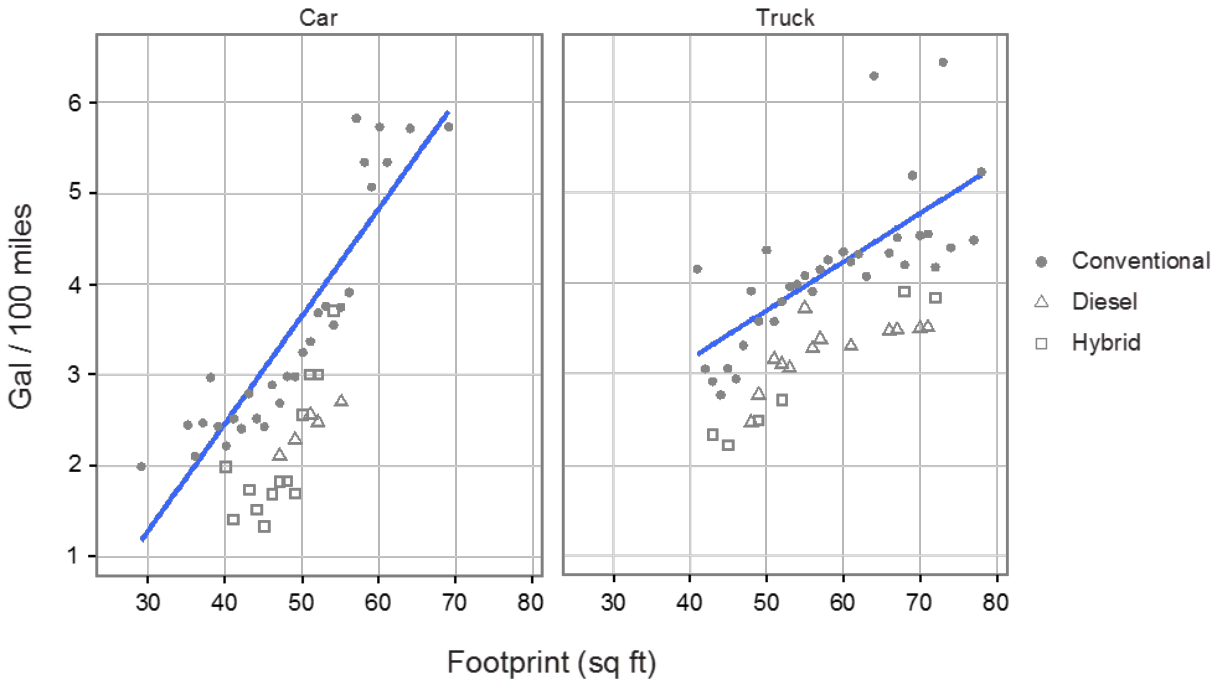
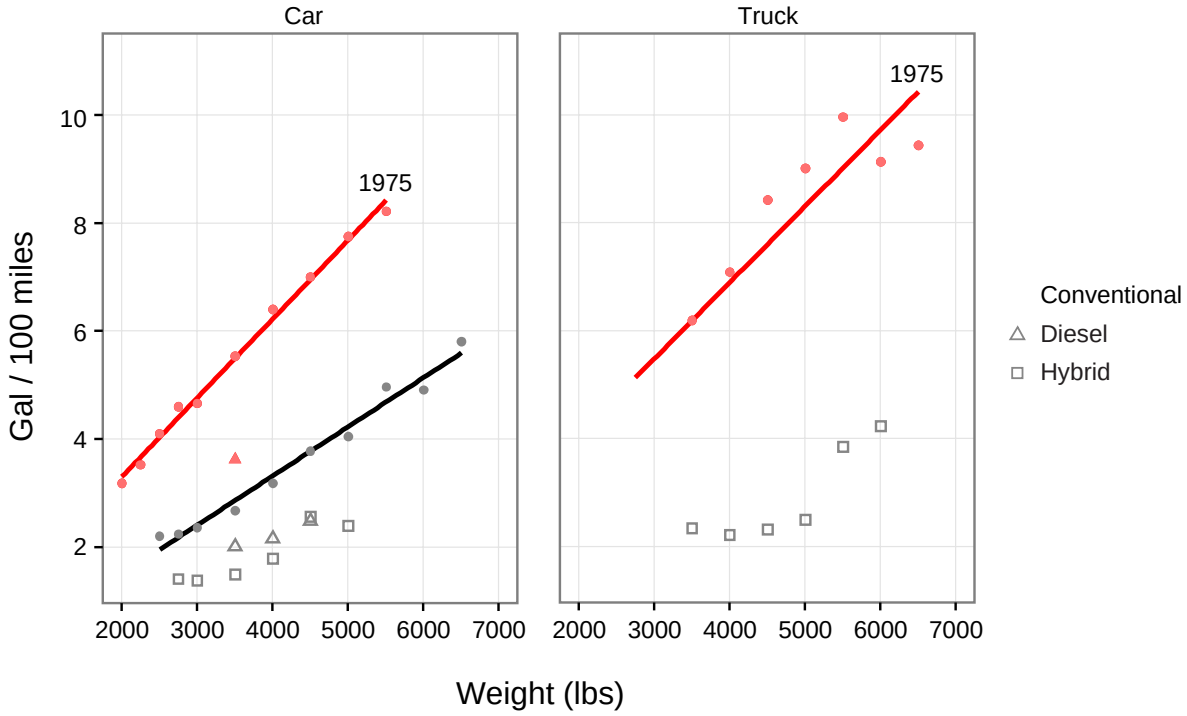


Figure 3.9 shows unadjusted, laboratory fuel consumption as a function of vehicle inertia weight for the MY 1975 and MY 2016 car and truck fleets. On average, fuel consumption increases linearly with vehicle weight, and the regressions are particularly tight for the data points representing non-hybrid gasoline vehicles. In 1975, trucks consistently had higher fuel consumption than cars for a given weight, but in 2016, the differences were much smaller, and at 5000 pounds and above, the average car had higher fuel consumption than the average truck, again likely due to the fact that very heavy cars are typically luxury and/or performance vehicles with high fuel consumption. At a given weight, most cars and trucks have reduced their fuel consumption by about 50% since 1975, with the major exception being the heaviest cars which have achieved more modest reductions in fuel consumption.

Figure 3.9

Unadjusted, Laboratory Fuel Consumption vs. Inertia Weight, Car and Truck, MY 1975 and 2016, AFVs Excluded



Finally, Figure 3.10 shows unadjusted, laboratory fuel consumption as a function of interior volume for MY 1978 and 2016 for the car type only. This figure excludes two-seater cars, as interior volume data is not reported for two-seaters. The data for MY 1978 is much more scattered than that for MY 2016. The slope of the regression line for non-hybrid gasoline vehicles in 2016 is nearly flat, suggesting that there is no longer much of a relationship between interior volume and fuel consumption within the car type. This MY 2016 data confirms the point made earlier in this section that interior volume is no longer a good attribute for differentiating among vehicles within the car type.

Figure 3.10

Unadjusted, Laboratory Fuel Consumption vs. Car Type Interior Volume, MY 1978 and 2016, AFVs Excluded

D. Vehicle Acceleration

Vehicle performance can be evaluated in many ways, including vehicle handling, braking, and acceleration. In the context of this report, acceleration is an important metric because there is a general correlation between how quickly a vehicle can accelerate and fuel economy. The most common vehicle acceleration metric, and one of the most recognized vehicle metrics overall, is the time it takes a vehicle to accelerate from 0-to-60 miles per hour, also called the 0-to-60 time. There are other metrics that are relevant for evaluating vehicle acceleration, including the time to reach 30 miles per hour or the time to travel a quarter mile, but this section is limited to a discussion of 0-to-60 acceleration times. Acceleration times are calculated for most vehicles (obtained from external sources for conventional hybrids and alternative fuel vehicles) since this data is not reported by manufacturers to EPA.

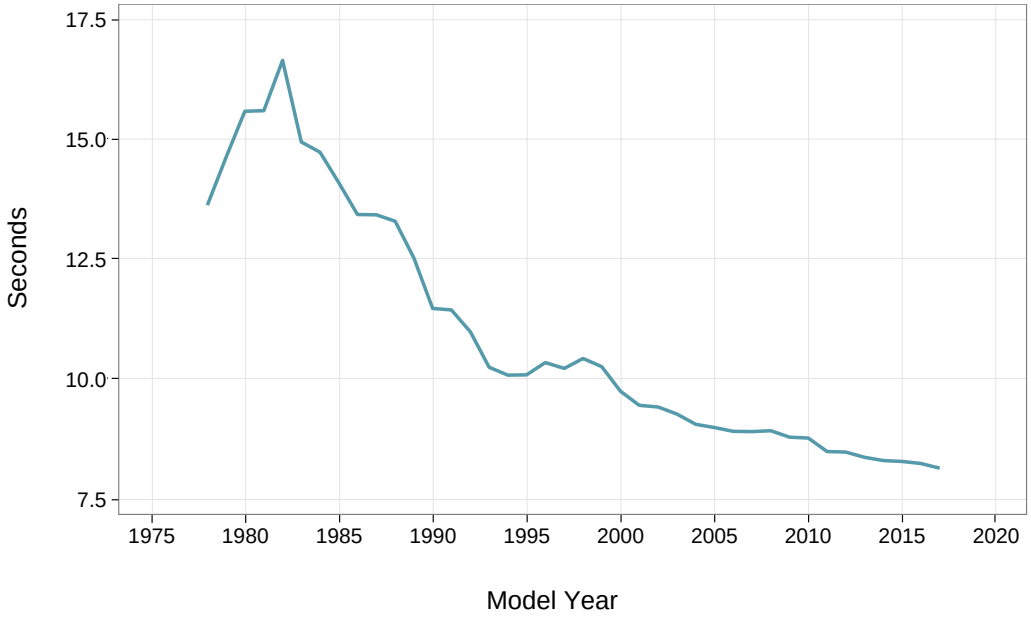
Unlike most of the data presented in this report, 0-to-60 times are based on calculations and are not directly submitted to the EPA by manufacturers. The 0-to-60 metric is a very commonly used automotive metric; however, there is no standard method of measuring 0-to-60 times. Nor, to our knowledge, is there a complete published list of measured vehicle 0-to-60 acceleration times. This report relies on calculated 0-to-60 times based on MacKenzie, 2012, for most vehicles.

Trends in 0-to-60 Times

Since the early 1980s, there has been a clear downward trend in 0-to-60 times. Figure 3.11 shows the average new vehicle 0-to-60 acceleration time from MY 1978 to MY 2017 based on a calculation methodology described below. The average new vehicle in MY 2017 is projected to have a 0-to-60 time under 8.2 seconds, which is the fastest average 0-to-60 time since the database began in 1975. Average vehicle horsepower has also substantially increased since MY 1982, as shown in Figure 2.3, and clearly at least part of that increase in power has been focused on decreasing acceleration time (some has also been used to support larger, heavier vehicles).

Figure 3.11

Calculated 0-to-60 Acceleration Performance



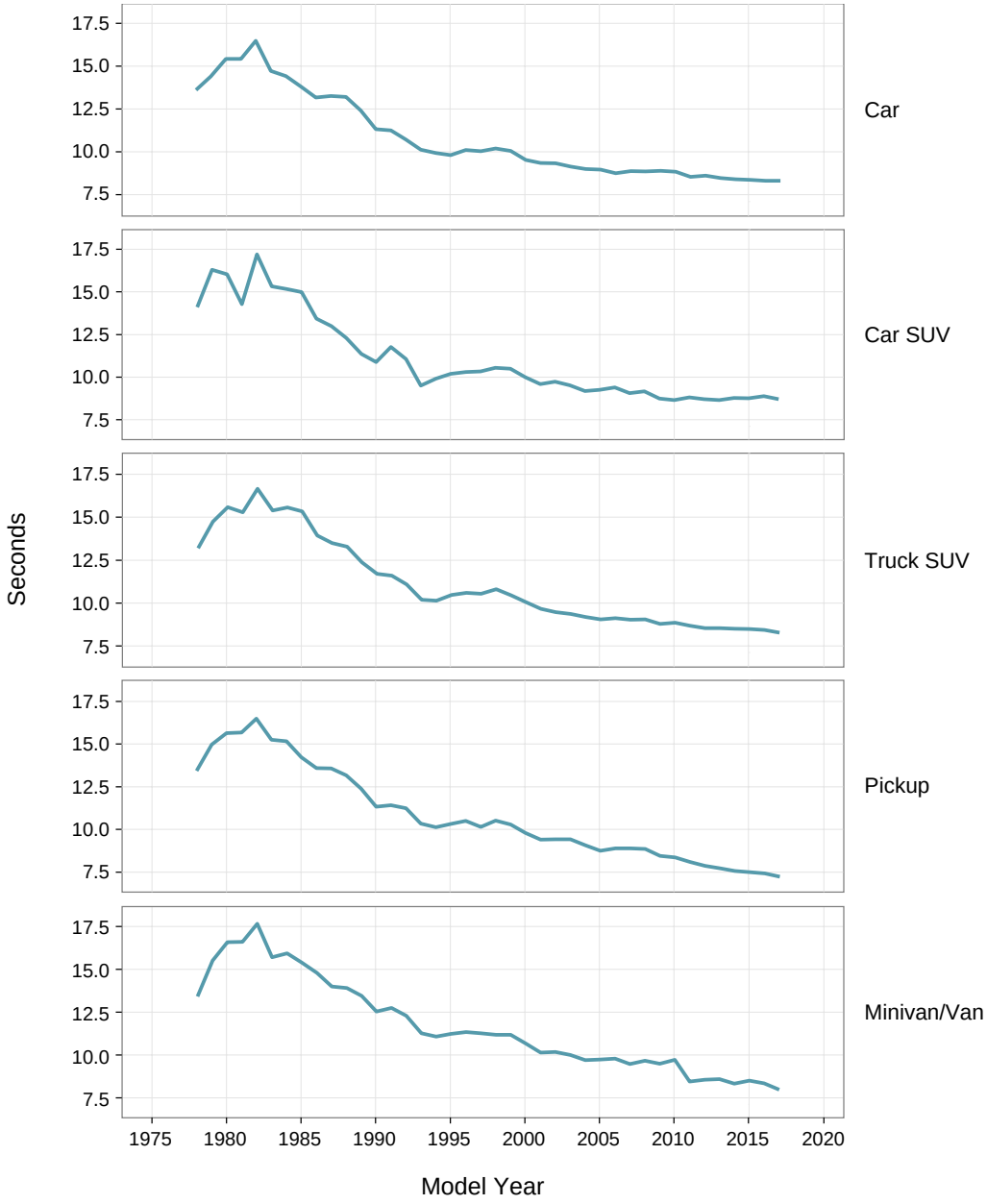
The decreasing long-term trend in 0-to-60 times is consistent across all vehicle types, as shown in Figure 3.12. The trend of decreasing acceleration time appears to be slowing somewhat in recent years for cars, car SUVs, and truck SUVs. The opposite is true for pickup trucks, where calculated 0-to-60 times continue to steadily decrease. Pickups are generally designed to emphasize towing and hauling capabilities, while maintaining adequate driving performance. The continuing decrease in pickup truck 0-to-60 times is likely due to the increasing towing and hauling capacity of pickups, which decreases the calculated 0-to-60 times of pickups.

Vehicle acceleration is determined by many factors, including weight, horsepower, transmission design, engine technologies, and body style. The impacts of these, and other factors, on 0-to-60 times have been evaluated in the literature (MacKenzie, 2012). Many of the same factors that affect acceleration also influence vehicle fuel economy, the result being a general correlation between faster 0-to-60 times and lower fuel economy. All other things equal, a vehicle with more power will likely have faster 0-to-60 acceleration and lower fuel economy. However, there are factors that can improve *both* 0-to-60 acceleration and fuel economy, such as reducing weight.

Acceleration remains an important parameter that will be tracked in this report to evaluate vehicle performance. The 0-to-60 metric is only one of many performance metrics (e.g. stopping distance, skid pad g's, lane change maneuver speed, etc.), but it remains an important parameter that will be tracked in this report due to its strong association with vehicle fuel economy and emissions.

Figure 3.12

Acceleration Performance by Vehicle Type



4 Manufacturers and Makes

This section groups vehicles by "manufacturer" and "make." Manufacturer definitions are those used by both EPA and the National Highway Traffic Safety Administration (NHTSA) for purposes of implementation of GHG emissions standards and the corporate average fuel economy (CAFE) program, respectively. Each year, the manufacturer definitions in the historical Trends database are updated, if necessary, to be consistent with the current definitions used for regulatory compliance.

Most of the tables in this section show adjusted CO_2 emissions and fuel economy data which are the best estimates for real world CO_2 emissions and fuel economy performance, but are not comparable to regulatory compliance values. Two tables in this section—Tables 4.4 and 4.5—show unadjusted, laboratory fuel economy and CO_2 emissions values, which form the basis for regulatory compliance values, though they do not reflect various compliance credits, incentives, and flexibilities available to automakers. Adjusted CO_2 values are, on average, about 25% higher than the unadjusted CO_2 values that form the starting point for GHG standards compliance. Adjusted fuel economy values are about 20% lower, on average, than unadjusted fuel economy values (note that these values differ because CO_2 emissions are proportional to fuel consumption, both expressed in units of "per mile," while fuel economy is the mathematical inverse of fuel consumption) that form the starting point for CAFE compliance.

All 2011 and later values in this section include data from alternative fuel vehicles based on the mpge fuel economy metric and the tailpipe CO_2 emissions metric. Section 4.D shows that the impact of including alternative fuel vehicles is measureable for some manufacturers, but zero or negligible for others. Section 7 contains additional data for alternative fuel vehicles.

Information about compliance with EPA's GHG emissions standards, including EPA's Manufacturer Performance Report for the 2016 Model Year, is available at www.epa.gov/regulations-emissions-vehicles-and-engines/ghg-emission-standards-light-duty-vehicles-manufacturer. NHTSA provides information summarizing automaker compliance with fuel economy standards in their CAFE Public Information Center, which can be accessed at https://one.nhtsa.gov/cafe_pic/CAFE_PIC_Home.htm.

A. Manufacturer and Make Definitions

Table 4.1 lists the 13 manufacturers which had production of 150,000 or more vehicles in MY 2015 or MY 2016, and which cumulatively accounted for approximately 98% of total industry-wide production. There are no changes to the list of manufacturers in Table 4.1 included in this year's report. Make is typically included in the model name and is generally equivalent to the "brand" of the vehicle. Table 4.1 also lists the 28 makes for which data are shown in subsequent tables. The only change in the list of makes this year is for Alfa Romeo, which was reintroduced into the U.S. market. The production threshold for makes to be included in Tables 4.2 through 4.5 is 40,000 vehicles in MY 2015 or MY 2016.

Table 4.1

Manufacturers and Makes for MY 2015–2017

Manufacturer	Makes Above Threshold	Makes Below Threshold
General Motors	Chevrolet, Cadillac, Buick, GMC	
Toyota	Toyota, Lexus, Scion	
Ford	Ford, Lincoln	Roush, Shelby
Honda	Honda, Acura	
Fiat-Chrysler	Chrysler, Dodge, Jeep, Ram, Fiat	Maserati, Alfa Romeo
Nissan	Nissan, Infiniti	
Hyundai	Hyundai	
Kia	Kia	
BMW	BMW, Mini	Rolls Royce
Volkswagen	Volkswagen, Audi, Porsche	Lamborghini, Bentley, Bugatti
Subaru	Subaru	
Mercedes	Mercedes	Smart, Maybach
Mazda	Mazda	
Others*		

*Note: Other manufacturers below the manufacturer threshold are Mitsubishi, Volvo, Jaguar Land Rover, Tesla, Ferrari, Aston Martin, McLaren, Quantum (which only produces one dual fuel CNG vehicle), and Mobility Ventures.

It is important to note that when a manufacturer or make grouping is modified to reflect a change in the industry's current financial structure, EPA makes the same adjustment to the entire historical database. This maintains consistent manufacturer and make definitions over time, which allows a better identification of long-term trends. On the other hand, this means that the current database does not necessarily reflect the actual corporate arrangements of the past. For example, the 2017 database no longer accounts for the fact that Chrysler was combined with Mercedes/Daimler for several years, and includes Chrysler in the Fiat-Chrysler manufacturer grouping for the entire database even though these other companies have been financially connected for only a few years.

Automakers submit vehicle production data, rather than vehicle sales data, in formal end-of-year CAFE and GHG emissions compliance reports to EPA. These vehicle production data are tabulated on a model year basis. Accordingly, the vehicle production data presented in this report often differ from similar data reported by press sources, which typically are based on vehicle sales data reported on a calendar basis. In years past, manufacturers typically used a more consistent approach for model year designations, i.e., from fall of one year to the fall of the following year. More recently, however, many manufacturers have used a more flexible approach, and it is not uncommon to see a new or redesigned model introduced with a new model year designation in the spring or summer, rather than the fall. This means that a model year for an individual vehicle can be either shortened or lengthened. Accordingly, year-to-year comparisons can be affected by these model year anomalies, though the overall trends even out over a multi-year period.

B. Manufacturer and Make Fuel Economy and CO_2 Emissions

Tables 4.2 through 4.5 provide comparative manufacturer- and make-specific data for fuel economy and CO_2 emissions for the three years from MY 2015-2017. Data are shown for cars only, trucks only, and cars and trucks combined. By including data from both MY 2015 and 2016, with formal end-of-year data for both years, it is possible to identify meaningful changes from year-to-year. Because of the uncertainty associated with the preliminary MY 2017 projections, changes from MY 2016 to MY 2017 are less meaningful.

In this section, tables are presented with both adjusted (Tables 4.2 and 4.3) and unadjusted, laboratory (Tables 4.4 and 4.5) data. Tables 4.2 and 4.3 provide adjusted data for fuel economy and CO_2 emissions, and therefore are consistent with tables presented earlier in the report. The data in these tables are very similar to the data used to generate the EPA/DOT Fuel Economy and Environment Labels and represent EPA's best estimate of nationwide real world fuel consumption and CO_2 emissions.

Tables 4.2 and 4.3 show rows with adjusted fuel economy and CO_2 emissions data for 13 manufacturers and 28 makes.

Two manufacturers in this report, Volkswagen and FCA (Fiat-Chrysler), are affected by on-going investigations and/or corrective actions related to alleged violations of the Clean Air Act resulting in excess emissions of oxides of nitrogen (NOx). Oxides of nitrogen emissions are not directly related to tailpipe CO_2 emissions or fuel economy. In this report, EPA uses the CO_2 emissions and fuel economy data from the initial certification of these vehicles. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.

In 2016 and 2017, the Department of Justice, on behalf of EPA, has resolved a civil enforcement case, through a series of three partial settlements, against Volkswagen AG, Audi AG, Dr. Ing. h.c. F. Porsche AG, Volkswagen Group of America, Inc., Volkswagen Group of America Chattanooga Operations, LLC, and Porsche Cars North America, Inc. (collectively referred to as Volkswagen). Subject to their reservations, these settlements resolve allegations that Volkswagen violated the Clean Air Act with the sale of certain MY 2009-2016 diesel vehicles equipped with defeat devices in the form of computer software designed to cheat on federal emissions tests. The complaint alleged that during normal vehicle operation and use, the cars emit levels of oxides of nitrogen (NOx) significantly in excess of the EPA compliant levels. For more information, see www.epa.gov/vw. New fuel economy and CO_2 data is available for some vehicles that have been modified under the VW consent decree; however, this report does not reflect these revisions. Any relevant changes will be addressed in future reports.

In 2017, the Department of Justice, on behalf of EPA, filed a civil complaint against FCA US LLC, Fiat Chrysler Automobiles N.V., V.M. Motori S.p.A., and V.M. North America, Inc. (collectively referred to as FCA). The complaint alleges that certain diesel vehicles are equipped with software functions that were not disclosed to regulators during the certification application process, and that the vehicles contain defeat devices. The complaint alleges that the undisclosed software functions cause the vehicles' emission control systems to perform differently, and less effectively, during certain normal driving conditions than on federal emission tests, resulting in increased oxides of nitrogen (NOx) emissions. For more information on actions to resolve these violations, see www.epa.gov/fca.

Because the Volkswagen and FCA diesels account for less than 1% of industry production, updates to the emissions rates, whether they are higher or lower, will not change the broader trends characterized in this report. Should the investigations and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be addressed in future reports.

Of the 13 manufacturers shown in the body of Table 4.2, 5 manufacturers increased adjusted fuel economy (combined cars and trucks) and 4 had no change between MY 2015 to MY 2016. Mazda had the highest adjusted fuel economy in MY 2016 of 29.6 mpg. Four manufacturers were closely grouped behind Mazda — Hyundai, Honda, Subaru, and Nissan — with adjusted fuel economy values between 28.8 and 27.9 mpg. Fiat-Chrysler had the lowest adjusted fuel economy of 21.5 mpg, followed by General Motors and Ford. Hyundai achieved the largest increase in adjusted fuel economy from MY 2015-2016 of 1.3 mpg, followed by Mazda at 0.4 mpg.

Four manufacturers had lower adjusted fuel economy values in MY 2016. BMW had the largest decrease in overall fuel economy at 0.6 mpg, followed by Honda and Fiat-Chrysler at 0.3 mpg and Nissan at 0.1 mpg. For MY 2016 cars only, Mazda and Honda were tied as the manufacturers with the highest adjusted fuel economy values at 31.6 mpg. Fiat-Chrysler reported the lowest adjusted car fuel economy of 24.4 mpg. For MY 2016 trucks only, Subaru had the highest adjusted fuel economy of 28 mpg.

In terms of the makes shown in Table 4.2, Scion achieved the highest combined car and truck fuel economy in MY 2016, of 32 mpg, followed by Mazda, VW, and Fiat.

Preliminary projections suggest that 8 of the 13 manufacturers shown will improve adjusted fuel economy further in MY 2017, though EPA will not have final data for MY 2017 until next year's report. Only two manufacturers are projected to have reductions in fuel economy in MY 2017.

Table 4.3 shows manufacturer-specific values for adjusted CO_2 emissions for the same manufacturers, makes and model years as shown in Table 4.2 for adjusted fuel economy. Of the 13 manufacturers shown, 7 manufacturers decreased adjusted CO_2 emissions from MY 2015 to MY 2016. Manufacturer rankings for CO_2 emissions are generally similar to those for fuel economy, though there can be some differences due to diesel vehicle production share

(since diesel has a higher carbon content per gallon than gasoline). Of the 13 manufacturers shown in Table 4.3, Mazda had the lowest adjusted CO_2 emissions in MY 2016 of 301 g/mi, and Fiat-Chrysler had the highest adjusted CO_2 emissions of 413 g/mi. Hyundai achieved the largest reduction in CO_2 emissions with a reduction of 15 g/mi. Mercedes and VW achieved the next largest reduction, at 5 g/mi. Preliminary values suggest that 9 of the 13 manufacturers could reduce CO_2 emissions in MY 2017. The make rankings for adjusted CO_2 emissions in Table 4.3 are also similar to those for adjusted fuel economy in Table 4.2.

Table 4.2

Adjusted Fuel Economy (MPG) by Manufacturer and Make for MY 2015–2017*

		Final MY 2015			Final MY 2016			*Preliminary MY 2017*		
Manufacturer	Make	Car	Truck	Car and Truck	Car	Truck	Car and Truck	*Car*	*Truck*	*Car and Truck*
Mazda	**All**	**31.5**	**24.5**	**29.2**	**31.6**	**26.2**	**29.6**	***30.4***	***25.4***	***29.3***
Hyundai	**All**	**28.0**	**21.5**	**27.5**	**29.1**	**20.6**	**28.8**	***29.6***	***21.1***	***28.9***
Honda	Honda	31.6	25.0	29.0	32.1	24.7	28.7	*32.2*	*25.5*	*30.2*
Honda	Acura	26.9	22.8	25.0	27.2	22.3	24.2	*27.1*	*22.6*	*24.8*
Honda	**All**	**31.1**	**24.7**	**28.5**	**31.6**	**24.3**	**28.2**	***31.8***	***25.0***	***29.5***
Subaru	**All**	**28.5**	**27.9**	**28.1**	**28.3**	**28.0**	**28.1**	***29.1***	***28.1***	***28.4***
Nissan	Nissan	31.7	22.9	28.8	30.9	23.9	28.5	*31.2*	*22.8*	*28.4*
Nissan	Infiniti	22.8	20.8	21.8	22.2	19.2	20.8	*23.5*	*21.3*	*22.9*
Nissan	**All**	**31.0**	**22.6**	**28.0**	**30.3**	**23.4**	**27.9**	***30.4***	***22.7***	***27.9***
Kia	**All**	**26.5**	**21.5**	**26.1**	**27.9**	**21.6**	**26.2**	***29.3***	***21.5***	***27.5***
BMW	BMW	26.7	22.7	25.6	26.4	22.7	25.2	*27.3*	*22.1*	*25.1*
BMW	Mini	29.4	-	29.4	28.7	-	28.7	*28.8*	-	*28.8*
BMW	**All**	**27.1**	**22.7**	**26.1**	**26.7**	**22.7**	**25.5**	***27.5***	***22.1***	***25.6***
Toyota	Toyota	31.8	20.4	25.4	31.3	20.3	25.0	*32.2*	*20.7*	*26.3*
Toyota	Lexus	24.3	20.6	23.0	25.2	21.5	23.8	*25.8*	*22.0*	*24.4*
Toyota	Scion	26.1	-	26.1	32.0	-	32.0	-	-	-
Toyota	**All**	**29.8**	**20.5**	**25.0**	**30.2**	**20.4**	**25.0**	***31.1***	***20.8***	***26.0***
Mercedes	Mercedes	25.4	20.4	23.4	25.7	20.4	23.7	*26.3*	*20.4*	*24.2*
Mercedes	**All**	**25.4**	**20.4**	**23.4**	**25.7**	**20.4**	**23.7**	***26.3***	***20.4***	***24.2***
Ford	Ford	27.1	20.1	22.9	27.6	20.0	22.9	*26.7*	*20.3*	*22.8*
Ford	Lincoln	24.9	19.7	22.2	24.2	19.3	21.8	*24.0*	*19.8*	*22.4*
Ford	**All**	**26.9**	**20.1**	**22.8**	**27.4**	**20.0**	**22.8**	***26.4***	***20.3***	***22.8***
GM	Chevrolet	27.1	19.8	23.0	28.0	19.8	23.3	*30.0*	*19.4*	*24.0*
GM	GMC	24.2	19.4	20.0	22.9	19.0	19.5	*22.4*	*19.7*	*19.9*
GM	Buick	25.6	21.2	23.7	25.7	20.6	23.6	*26.8*	*20.8*	*23.6*
GM	Cadillac	21.1	17.5	19.9	21.9	17.7	20.5	*23.5*	*17.5*	*22.6*
GM	**All**	**26.1**	**19.7**	**22.2**	**26.7**	**19.6**	**22.4**	***28.0***	***19.6***	***23.0***
Other	**All**	**30.9**	**21.9**	**26.6**	**35.2**	**22.0**	**25.7**	***40.5***	***22.6***	***30.6***
VW	*VW*	*30.1*	*22.5*	*29.7*	*30.2*	*22.3*	*29.2*	*29.0*	*21.2*	*27.9*
VW	*Audi*	*25.5*	*21.6*	*23.9*	*25.9*	*22.9*	*25.0*	*26.4*	*22.4*	*25.2*
VW	*Porsche*	*22.6*	*20.6*	*21.5*	*22.1*	*21.2*	*21.5*	*23.6*	*20.5*	*22.0*
VW	***All***	***28.2***	***21.5***	***26.6***	***28.1***	***22.2***	***26.6***	***27.7***	***21.6***	***26.3***
Fiat-Chrysler	*Jeep*	*25.3*	*20.6*	*21.3*	*25.0*	*21.3*	*22.1*	*25.1*	*21.6*	*22.2*
Fiat-Chrysler	*Dodge*	*23.6*	*20.6*	*22.0*	*22.7*	*20.9*	*21.7*	*21.3*	*20.7*	*21.0*
Fiat-Chrysler	*Ram*	*24.7*	*18.5*	*18.5*	*25.9*	*18.4*	*18.5*	-	*18.4*	*18.4*
Fiat-Chrysler	*Chrysler*	*27.0*	*20.8*	*25.1*	*26.0*	*20.8*	*23.7*	*24.6*	*23.9*	*24.0*
Fiat-Chrysler	*Fiat*	*34.5*	-	*34.5*	*31.1*	*24.9*	*29.0*	*34.6*	*25.2*	*32.5*
Fiat-Chrysler	***All***	***25.5***	***20.2***	***21.8***	***24.4***	***20.4***	***21.5***	***23.9***	***20.9***	***21.5***
All	**All**	**28.2**	**21.1**	**24.6**	**28.5**	**21.2**	**24.7**	***29.1***	***21.2***	***25.2***

* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

Table 4.3

Adjusted CO_2 Emissions (g/mi) by Manufacturer and Make for MY 2015–2017*

Manufacturer	Make	Final MY 2015 Car	Final MY 2015 Truck	Final MY 2015 Car and Truck	Final MY 2016 Car	Final MY 2016 Truck	Final MY 2016 Car and Truck	*Preliminary MY 2017 Car*	*Preliminary MY 2017 Truck*	*Preliminary MY 2017 Car and Truck*
Mazda	**All**	**282**	**363**	**304**	**282**	**339**	**301**	***292***	***350***	***304***
Hyundai	**All**	**317**	**414**	**324**	**305**	**431**	**309**	***300***	***422***	***307***
Honda	Honda	281	355	306	277	360	309	*275*	*348*	*294*
Honda	Acura	330	389	356	326	398	367	*328*	*392*	*359*
Honda	**All**	**286**	**360**	**312**	**281**	**366**	**315**	***279***	***355***	***301***
Subaru	**All**	**312**	**319**	**317**	**315**	**318**	**317**	***305***	***316***	***312***
Nissan	Nissan	278	388	307	286	371	311	*283*	*390*	*311*
Nissan	Infiniti	390	427	408	401	463	427	*378*	*417*	*387*
Nissan	**All**	**285**	**394**	**316**	**292**	**379**	**318**	***291***	***392***	***317***
Kia	**All**	**335**	**412**	**341**	**318**	**412**	**338**	***302***	***414***	***323***
BMW	BMW	333	397	349	337	393	354	*326*	*404*	*354*
BMW	Mini	303	-	303	310	-	310	*308*	-	*308*
BMW	**All**	**328**	**397**	**342**	**333**	**393**	**349**	***323***	***404***	***347***
Toyota	Toyota	280	435	350	284	438	355	*276*	*429*	*338*
Toyota	Lexus	366	431	386	352	414	373	*345*	*404*	*364*
Toyota	Scion	340	-	340	278	-	278	-	-	-
Toyota	**All**	**298**	**434**	**356**	**295**	**436**	**355**	***286***	***427***	***341***
Mercedes	Mercedes	349	441	381	346	437	376	*337*	*435*	*366*
Mercedes	**All**	**349**	**441**	**381**	**346**	**437**	**376**	***337***	***435***	***366***
Ford	Ford	328	442	388	322	444	388	*333*	*437*	*390*
Ford	Lincoln	357	451	399	367	460	408	*370*	*449*	*397*
Ford	**All**	**330**	**443**	**389**	**325**	**445**	**389**	***337***	***438***	***390***
GM	Chevrolet	328	448	386	317	449	382	*295*	*458*	*370*
GM	GMC	367	459	443	388	468	456	*397*	*452*	*446*
GM	Buick	347	419	376	346	431	377	*332*	*427*	*377*
GM	Cadillac	421	507	446	406	502	434	*378*	*508*	*394*
GM	**All**	**340**	**451**	**399**	**332**	**455**	**397**	***316***	***454***	***386***
Other	**All**	**276**	**405**	**327**	**218**	**406**	**335**	***186***	***398***	***272***
VW	*VW*	*302*	*403*	*306*	*292*	*404*	*303*	*306*	*419*	*318*
VW	*Audi*	*350*	*419*	*376*	*344*	*390*	*357*	*337*	*397*	*353*
VW	*Porsche*	*394*	*440*	*417*	*401*	*423*	*416*	*377*	*433*	*403*
VW	***All***	***320***	***421***	***339***	***315***	***403***	***334***	***321***	***411***	***337***
Fiat-Chrysler	*Jeep*	*351*	*432*	*417*	*356*	*418*	*402*	*353*	*411*	*400*
Fiat-Chrysler	*Dodge*	*376*	*431*	*405*	*391*	*426*	*410*	*416*	*430*	*424*
Fiat-Chrysler	*Ram*	*360*	*487*	*487*	*344*	*487*	*486*	-	*485*	*485*
Fiat-Chrysler	*Chrysler*	*330*	*427*	*354*	*342*	*427*	*376*	*361*	*372*	*370*
Fiat-Chrysler	*Fiat*	*244*	-	*244*	*271*	*357*	*296*	*239*	*352*	*258*
Fiat-Chrysler	***All***	***347***	***442***	***409***	***363***	***436***	***413***	***370***	***426***	***413***
All	**All**	**314**	**423**	**361**	**311**	**420**	**359**	***303***	***420***	***352***

* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

Tables 4.4 and 4.5 provide **unadjusted, laboratory** data for both fuel economy and CO_2 emissions for MY 2015-2017 for manufacturers and makes. Unadjusted, laboratory data is

particularly relevant in a manufacturer-specific context because it is the foundation for EPA CO_2 emissions and NHTSA CAFE regulatory compliance. It also provides a basis for comparing long-term trends from the perspective of vehicle design only, apart from the factors that affect real world performance that can change over time (i.e., driving behavior such as acceleration rates or the use of air conditioning).

In general, manufacturer rankings based on the unadjusted, laboratory fuel economy and CO_2 values in Tables 4.4 and 4.5 are very similar to those for the adjusted values in Tables 4.2 and 4.3. Adjusted CO_2 values are, on average, about 25% higher than the unadjusted, laboratory CO_2 values that form the starting point for GHG standards compliance, and adjusted fuel economy values are about 20% lower, on average, than unadjusted fuel economy values that form the starting point for CAFE standards compliance.

Table 4.4

Unadjusted, Laboratory Fuel Economy (MPG) by Manufacturer and Make for MY 2015–2017*

		Final MY 2015			Final MY 2016			*Preliminary MY 2017*		
Manufacturer	Make	Car	Truck	Car and Truck	Car	Truck	Car and Truck	*Car*	*Truck*	*Car and Truck*
Mazda	**All**	**41.4**	**31.6**	**38.1**	**41.6**	**34.2**	**38.8**	***40.2***	***33.3***	***38.6***
Hyundai	**All**	**36.0**	**27.5**	**35.3**	**37.8**	**26.4**	**37.4**	***38.6***	***26.8***	***37.6***
Honda	Honda	41.8	32.0	37.8	42.4	31.7	37.5	*42.5*	*32.9*	*39.5*
Honda	Acura	34.7	28.8	31.8	35.0	28.7	31.1	*35.0*	*29.4*	*32.1*
Honda	**All**	**41.0**	**31.5**	**37.0**	**41.7**	**31.2**	**36.7**	***41.9***	***32.3***	***38.7***
Subaru	**All**	**37.0**	**36.4**	**36.5**	**36.7**	**36.5**	**36.6**	***38.0***	***36.8***	***37.1***
Nissan	Nissan	41.9	29.5	37.7	41.1	30.8	37.4	*41.7*	*29.1*	*37.4*
Nissan	Infiniti	28.6	26.6	27.6	28.1	24.2	26.3	*29.9*	*26.8*	*29.1*
Nissan	**All**	**40.7**	**29.0**	**36.5**	**40.1**	**30.1**	**36.5**	***40.4***	***28.9***	***36.6***
Kia	**All**	**34.0**	**27.2**	**33.4**	**36.1**	**27.2**	**33.7**	***38.3***	***27.2***	***35.6***
BMW	BMW	33.9	28.5	32.4	33.3	28.8	31.8	*34.9*	*27.9*	*32.0*
BMW	Mini	38.5	-	38.5	37.5	-	37.5	*37.6*	-	*37.6*
BMW	**All**	**34.6**	**28.5**	**33.2**	**33.9**	**28.8**	**32.4**	***35.3***	***27.9***	***32.7***
Toyota	Toyota	42.2	25.9	32.8	41.2	25.7	32.2	*42.7*	*26.5*	*34.2*
Toyota	Lexus	31.0	26.0	29.3	32.2	27.2	30.3	*32.9*	*28.2*	*31.2*
Toyota	Scion	33.7	-	33.7	42.4	-	42.4	-	-	-
Toyota	**All**	**39.2**	**25.9**	**32.2**	**39.5**	**25.9**	**32.2**	***40.9***	***26.7***	***33.8***
Mercedes	Mercedes	32.5	25.9	29.8	32.9	26.1	30.3	*33.7*	*26.0*	*30.9*
Mercedes	**All**	**32.5**	**25.9**	**29.8**	**32.9**	**26.1**	**30.3**	***33.7***	***26.0***	***30.9***
Ford	Ford	34.5	25.2	28.9	35.3	25.1	29.0	*34.3*	*25.6*	*29.0*
Ford	Lincoln	32.8	25.0	28.8	31.2	24.3	27.7	*30.9*	*24.9*	*28.5*
Ford	**All**	**34.4**	**25.2**	**28.9**	**35.0**	**25.1**	**28.9**	***34.0***	***25.5***	***28.9***
GM	Chevrolet	34.7	24.7	29.0	35.9	24.7	29.3	*39.0*	*24.2*	*30.4*
GM	GMC	31.1	24.1	25.0	29.0	23.6	24.3	*28.6*	*24.6*	*25.0*
GM	Buick	32.6	27.0	30.1	32.8	25.9	29.9	*34.4*	*26.0*	*29.8*
GM	Cadillac	26.4	21.6	24.8	27.4	21.9	25.5	*29.7*	*21.6*	*28.4*
GM	**All**	**33.3**	**24.6**	**28.0**	**34.1**	**24.4**	**28.2**	***36.2***	***24.4***	***29.1***
Other	**All**	**40.0**	**27.8**	**34.1**	**45.3**	**28.1**	**32.8**	***53.1***	***29.0***	***39.7***
VW	*VW*	*38.7*	*28.6*	*38.2*	*38.9*	*28.4*	*37.6*	*37.3*	*27.1*	*35.9*
VW	*Audi*	*31.8*	*27.1*	*29.8*	*32.4*	*28.9*	*31.3*	*33.7*	*28.4*	*32.0*
VW	*Porsche*	*28.5*	*25.8*	*27.1*	*27.8*	*26.7*	*27.1*	*30.0*	*25.9*	*27.9*
VW	***All***	***35.8***	***27.0***	***33.8***	***35.8***	***28.1***	***33.8***	***35.4***	***27.4***	***33.6***
Fiat-Chrysler	*Jeep*	*32.5*	*25.9*	*26.9*	*32.1*	*27.0*	*28.1*	*32.2*	*27.3*	*28.2*
Fiat-Chrysler	*Dodge*	*29.5*	*25.6*	*27.4*	*28.2*	*26.0*	*27.0*	*26.3*	*25.7*	*26.0*
Fiat-Chrysler	*Ram*	*31.5*	*22.9*	*23.0*	*33.1*	*22.9*	*22.9*	-	*22.8*	*22.8*
Fiat-Chrysler	*Chrysler*	*33.9*	*25.8*	*31.5*	*32.6*	*25.9*	*29.5*	*30.8*	*30.5*	*30.5*
Fiat-Chrysler	*Fiat*	*45.7*	-	*45.7*	*40.3*	*31.8*	*37.4*	*45.2*	*32.2*	*42.2*
Fiat-Chrysler	***All***	***32.2***	***25.2***	***27.3***	***30.8***	***25.6***	***27.0***	***30.1***	***26.3***	***27.0***
All	**All**	**36.5**	**26.5**	**31.4**	**36.9**	**26.8**	**31.6**	***37.9***	***26.8***	***32.3***

* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

Table 4.5

Unadjusted, Laboratory CO_2 Emissions (g/mi) by Manufacturer and Make for MY 2015–2017*.

		Final MY 2015			Final MY 2016			*Preliminary MY 2017*		
Manufacturer	Make	Car	Truck	Car and Truck	Car	Truck	Car and Truck	*Car*	*Truck*	*Car and Truck*
Mazda	**All**	**215**	**282**	**233**	**214**	**260**	**229**	***221***	***267***	***230***
Hyundai	**All**	**247**	**323**	**252**	**235**	**337**	**238**	***230***	***332***	***236***
Honda	Honda	213	278	235	210	281	237	*209*	*270*	*225*
Honda	Acura	256	309	279	254	309	286	*254*	*303*	*277*
Honda	**All**	**217**	**282**	**240**	**213**	**285**	**242**	***212***	***275***	***230***
Nissan	**Nissan**	211	302	235	216	289	237	*212*	*306*	*236*
Nissan	Infiniti	311	334	322	316	367	338	*297*	*332*	*306*
Nissan	All	**217**	**306**	**242**	**221**	**296**	**243**	***219***	***308***	***242***
Subaru	**All**	**240**	**244**	**243**	**242**	**243**	**243**	***234***	***242***	***239***
Kia	**All**	**261**	**327**	**266**	**246**	**327**	**263**	***231***	***327***	***249***
BMW	BMW	261	315	274	267	310	280	*252*	*319*	*276*
BMW	Mini	231	-	231	237	-	237	*236*	-	*236*
BMW	**All**	**256**	**315**	**268**	**262**	**310**	**275**	***250***	***319***	***270***
Toyota	Toyota	211	344	271	216	346	276	*207*	*335*	*259*
Toyota	Lexus	286	342	304	276	326	293	*270*	*315*	*285*
Toyota	Scion	264	-	264	210	-	210	-	-	-
Toyota	**All**	**227**	**343**	**276**	**225**	**344**	**276**	***217***	***333***	***262***
Mercedes	Mercedes	273	347	299	270	342	294	*262*	*342*	*287*
Mercedes	**All**	**273**	**347**	**299**	**270**	**342**	**294**	***262***	***342***	***287***
Ford	Ford	257	353	307	251	354	307	*258*	*348*	*306*
Ford	Lincoln	271	356	309	285	365	321	*288*	*357*	*311*
Ford	**All**	**257**	**353**	**307**	**253**	**355**	**308**	***261***	***348***	***307***
GM	Chevrolet	256	359	306	248	360	303	*225*	*367*	*291*
GM	GMC	286	369	355	307	378	367	*311*	*361*	*356*
GM	Buick	273	329	295	271	344	297	*259*	*342*	*298*
GM	Cadillac	337	411	359	324	407	348	*300*	*411*	*313*
GM	**All**	**266**	**362**	**317**	**261**	**365**	**316**	***243***	***364***	***304***
Other	**All**	**213**	**320**	**255**	**171**	**319**	**263**	***143***	***309***	***210***
VW	*VW*	*234*	*317*	*238*	*227*	*317*	*235*	*238*	*328*	*247*
VW	*Audi*	*281*	*335*	*301*	*275*	*309*	*284*	*263*	*313*	*277*
VW	*Porsche*	*311*	*350*	*330*	*319*	*336*	*331*	*297*	*341*	*318*
VW	***All***	***252***	***335***	***267***	***247***	***319***	***263***	***250***	***323***	***264***
Fiat-Chrysler	*Jeep*	*273*	*343*	*330*	*277*	*330*	*316*	*276*	*325*	*315*
Fiat-Chrysler	*Dodge*	*301*	*346*	*325*	*315*	*341*	*329*	*338*	*345*	*342*
Fiat-Chrysler	*Ram*	*282*	*388*	*387*	*269*	*393*	*392*	-	*391*	*391*
Fiat-Chrysler	*Chrysler*	*262*	*344*	*283*	*272*	*344*	*301*	*289*	*284*	*285*
Fiat-Chrysler	*Fiat*	*185*	-	*185*	*211*	*280*	*231*	*184*	*276*	*200*
Fiat-Chrysler	***All***	***275***	***352***	***325***	***289***	***348***	***329***	***294***	***338***	***328***
All	**All**	**243**	**335**	**282**	**240**	**332**	**281**	***233***	***332***	***274***

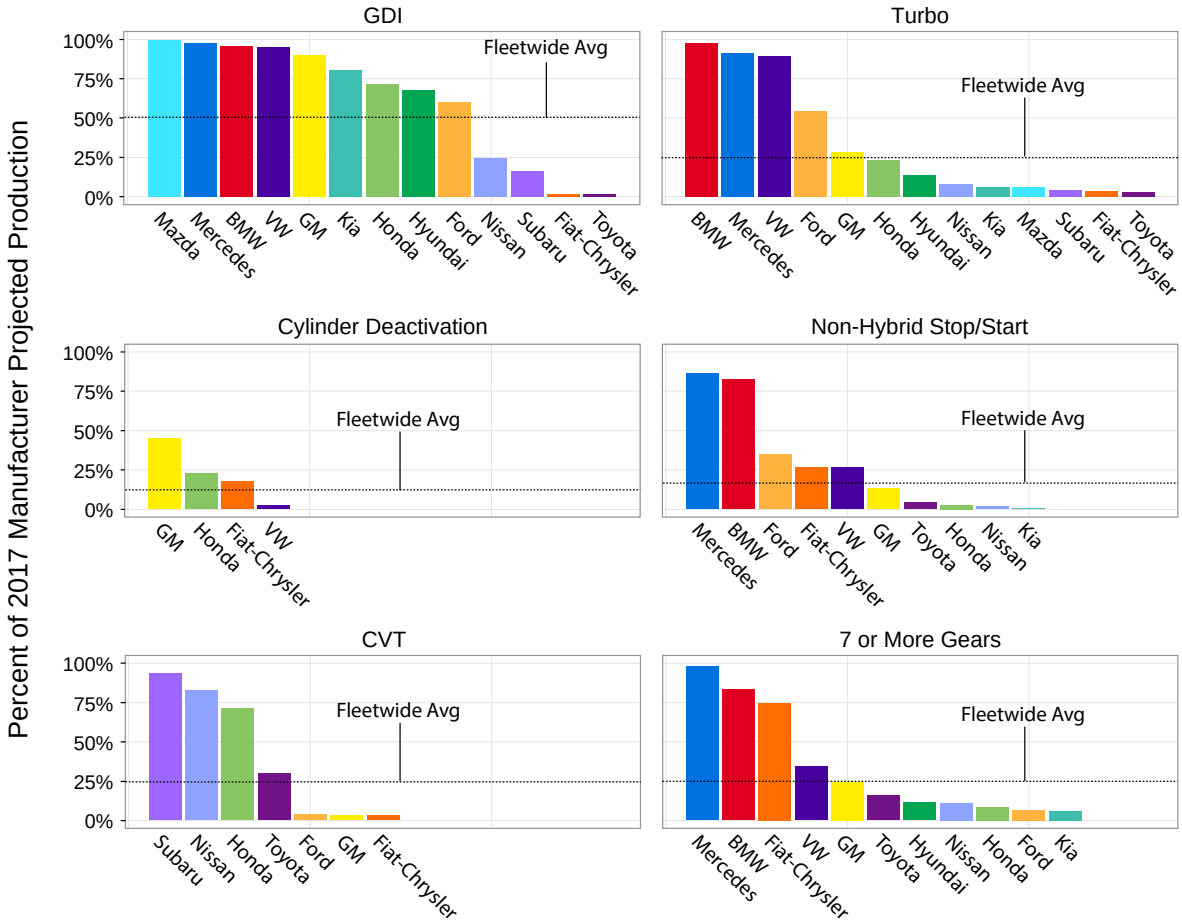
* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

C. Manufacturer Technology and Attribute Trends

Figure 4.1 shows manufacturer specific MY 2017 production shares for several technologies, as well as the projected industry-wide average production share for each technology. The industry overall has adopted several technologies quickly in recent years, however individual manufacturers are clearly utilizing different technologies to achieve fuel economy (and performance) goals.

Figure 4.1

Manufacturer Adoption of Emerging Technologies for MY 2017



In terms of individual technologies, Mazda had the highest projected production share for gasoline direct injection, BMW for turbocharging, GM for cylinder deactivation, Subaru for continuously variable transmissions, and Mercedes for transmissions with 7 or more gears and non-hybrid start-stop.

BMW, Mercedes, and VW have technology adoption rates higher than average for four of the six technologies shown in Figure 4.1. GM, Honda, Ford, and Fiat-Chrysler are each above average for three of the six technologies. It is important to note that the six technologies shown in Figure 4.1 do not represent a comprehensive list of all technologies being applied by manufacturers. Manufacturer adoption rates for some technology approaches, such as the high compression ratios used in the Mazda SKYACTIV engines, are outside the scope of this report. Each of the six technologies shown in Figure 4.1 are discussed in more detail in Section 5.

Table 4.6 shows footprint by manufacturer for MY 2015-2017. Footprint has been relatively stable around 49 square feet. In MY 2016 footprint increased 0.1 square feet to 49.5 square feet. Ford had the largest footprint at 53.3 square feet, followed closely by GM and Fiat-Chrysler. Subaru had the lowest footprint value at 44.7 square feet. The remaining manufacturers had average footprint values in the 46 to 49 square feet range.

Table 4.6

Footprint (square feet) by Manufacturer for MY 2015–2017

	Final MY 2015			Final MY 2016			*Preliminary MY 2017*		
Manufacturer	Car	Truck	Car and Truck	Car	Truck	Car and Truck	*Car*	*Truck*	*Car and Truck*
GM	46.7	60.3	53.9	46.6	59.1	53.2	*46.7*	*59.2*	*53.0*
Toyota	45.6	52.2	48.4	45.5	52.5	48.5	*45.5*	*53.0*	*48.5*
Ford	46.8	58.9	53.1	46.7	59.0	53.3	*47.0*	*57.7*	*52.6*
Fiat-Chrysler	47.1	52.7	50.7	47.5	53.2	51.4	*47.2*	*52.4*	*51.2*
Honda	45.0	49.1	46.5	45.3	49.6	47.0	*45.8*	*49.7*	*46.9*
Nissan	45.8	50.6	47.1	45.8	50.1	47.1	*45.9*	*52.2*	*47.5*
Kia	46.2	52.6	46.7	45.9	51.3	47.1	*46.0*	*51.0*	*46.9*
Hyundai	47.2	47.0	47.2	46.3	49.2	46.3	*46.4*	*48.9*	*46.6*
VW	45.1	50.1	46.0	45.1	48.9	45.9	*44.9*	*49.3*	*45.7*
Subaru	44.7	44.7	44.7	44.7	44.8	44.7	*44.9*	*44.9*	*44.9*
Mazda	46.1	47.1	46.3	45.4	47.1	46.0	*45.8*	*48.0*	*46.3*
BMW	46.6	51.0	47.5	47.1	50.6	48.0	*46.7*	*50.5*	*47.8*
Mercedes	47.3	50.4	48.4	47.5	51.7	48.9	*47.8*	*51.7*	*49.0*
Other	45.3	47.9	46.3	49.5	49.6	49.5	*47.7*	*49.9*	*48.6*
All	**46.1**	**53.9**	**49.4**	**46.1**	**53.7**	**49.5**	***46.2***	***54.0***	***49.5***

Manufacturer-specific MY 2016 car footprint values varied little, from about 45 to 48 square feet. MY 2016 truck footprint values were much more variable, ranging from 45 (Subaru) to over 59 (General Motors) square feet.

In terms of change in footprint values from MY 2015 to MY 2016, seven manufacturers increased their average footprint, with Fiat-Chrysler having the largest increases of 0.7 square feet. Four manufacturers decreased their average footprint, with Hyundai reducing average footprint by 0.9 square feet. Industry-wide footprint is projected to stay the same in MY 2017.

Table 4.7 shows manufacturer-specific values for adjusted fuel economy and production share for the two classes (cars and trucks) and the five vehicle types (cars, car SUVs, truck SUVs, pickups, and minivans/vans) for 13 manufacturers for MY 2016. Honda had the highest adjusted fuel economy for the car type and Mazda had the highest fuel economy for car SUVs. For the truck types, Subaru reported the highest adjusted fuel economy for truck SUVs, GM had the highest pickup fuel economy, and Nissan had the highest adjusted fuel economy for minivans/vans. Subaru had the highest truck share of 72%, followed by Chrysler-Fiat at 68%, while Hyundai had truck shares below 3%.

Industry-wide, car type vehicles averaged 3 mpg higher than car SUVs in MY 2016, which is down from 4.1 mpg in MY 2015. Among truck types, truck SUVs had the highest adjusted fuel economy of 22.2 mpg, followed by minivans/vans at 21.7 mpg, and pickups at 18.9 mpg. The vehicle types with the biggest fuel economy increases since MY 2015 were car SUVs at 1.1 mpg and truck SUVs at 0.3 mpg.

Table 4.7

Adjusted Fuel Economy and Production Share by Vehicle Classification and Type for MY 2016*

	Car (Non-SUV)		Car SUV		All Car		Truck SUV		Pickup		Minivan/Van		All Truck	
Manufacturer	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share	Adj FE (MPG)	Prod Share
GM	27.5	33.6%	25.0	13.9%	26.7	47.5%	19.6	26.8%	19.6	25.7%	13.1	0.0%	19.6	52.5%
Toyota	31.1	48.7%	25.7	8.2%	30.2	57.0%	21.6	27.0%	18.1	12.6%	21.0	3.4%	20.4	43.0%
Ford	28.1	36.3%	24.9	10.1%	27.4	46.5%	20.7	25.9%	19.1	25.0%	21.9	2.7%	20.0	53.5%
Honda	32.6	44.0%	29.2	15.4%	31.6	59.4%	24.7	31.2%	-	-	23.1	9.3%	24.3	40.6%
Nissan	30.7	58.9%	28.8	11.4%	30.3	70.3%	25.6	21.0%	18.8	7.4%	24.4	1.3%	23.4	29.7%
Kia	28.9	64.7%	23.9	13.3%	27.9	78.1%	21.9	14.9%	-	-	20.9	7.0%	21.6	21.9%
Hyundai	30.6	75.0%	24.9	22.2%	29.1	97.2%	20.6	2.8%	-	-	-	-	20.6	2.8%
Subaru	28.3	27.7%	-	-	28.3	27.7%	28.0	72.3%	-	-	-	-	28.0	72.3%
Mazda	32.5	47.2%	29.5	19.5%	31.6	66.6%	26.2	33.4%	-	-	-	-	26.2	33.4%
BMW	26.7	73.5%	27.3	0.9%	26.7	74.4%	22.7	25.6%	-	-	-	-	22.7	25.6%
Mercedes	25.7	61.7%	25.1	5.0%	25.7	66.7%	20.3	30.7%	-	-	22.4	2.6%	20.4	33.3%
Other	34.2	24.8%	37.4	13.0%	35.2	37.9%	22.0	61.9%	-	-	16.2	0.2%	22.0	62.1%
VW	*28.5*	*74.7%*	*22.7*	*4.1%*	*28.1*	*78.8%*	*22.2*	*21.2%*	*-*	*-*	*-*	*-*	*22.2*	*21.2%*
Fiat-Chrysler	*24.1*	*19.5%*	*25.0*	*12.1%*	*24.4*	*31.7%*	*21.3*	*39.9%*	*18.2*	*16.0%*	*21.0*	*12.3%*	*20.4*	*68.3%*
All	**29.2**	**43.8%**	**26.2**	**11.5%**	**28.5**	**55.3%**	**22.2**	**29.1%**	**18.9**	**11.7%**	**21.7**	**3.9%**	**21.2**	**44.7%**

* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

Table 4.8 shows average MY 2016 manufacturer-specific values, for all cars and trucks, for three important vehicle attributes: footprint, weight, and horsepower. The footprint data in Table 4.8 were also shown in Table 4.6 and discussed above. GM had the highest average weight of 4518 pounds, followed by Fiat-Chrysler and Mercedes. Hyundai reported the lowest average weights of around 3376 pounds. Mercedes had the highest average horsepower level of 281 hp, followed by GM, Fiat-Chrysler, and BMW. Hyundai reported the lowest horsepower level of 174 hp, followed by Mazda and Subaru.

Table 4.8

Vehicle Footprint, Weight, and Horsepower by Manufacturer for MY 2016

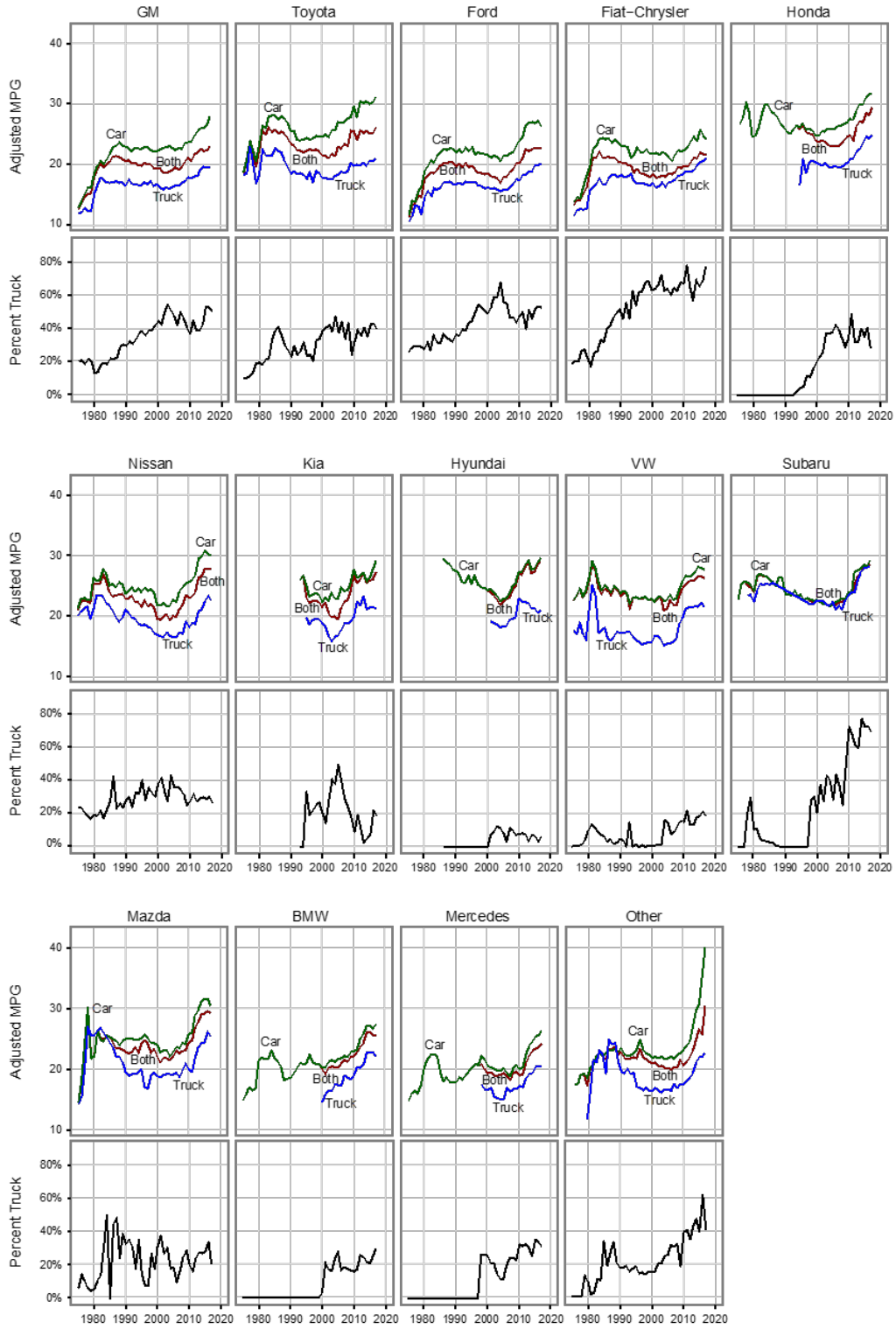
Manufacturer	Footprint (sq ft)	Weight (lbs)	HP
GM	53.2	4518	264
Toyota	48.5	3986	211
Ford	53.3	4269	261
Fiat-Chrysler	51.4	4339	263
Honda	47.0	3680	207
Nissan	47.1	3655	191
Kia	47.1	3508	187
Hyundai	46.3	3376	174
VW	45.9	3894	220
Subaru	44.7	3663	177
Mazda	46.0	3507	177
BMW	48.0	4080	263
Mercedes	48.9	4327	281
All	**49.5**	**4035**	**230**

Finally, Figure 4.2 provides a historical perspective, for both adjusted fuel economy and truck share, for each of the top 13 manufacturers. Adjusted fuel economy is presented for cars only, trucks only, and cars and trucks combined. One noteworthy result in Figure 4.2 is that there is very little difference between the adjusted fuel economy values for Subaru cars and trucks, the only manufacturer for which this is the case.

More information for the historic Trends database stratified by manufacturer can be found in Appendices J and K.

Figure 4.2

Adjusted Fuel Economy and Percent Truck by Manufacturer for MY 1975–2017



D. Manufacturer Specific Impact of Alternative Fuel Vehicles

In the past, this report has treated alternative fuel vehicles separately from gasoline and diesel vehicles, with the vast majority of analysis limited to gasoline and diesel vehicles only. Since alternative fuel vehicle production has generally been less than 0.1% of total vehicle production until very recently, the impact of excluding alternative fuel vehicles was negligible. However, with alternative fuel vehicles now approaching 1% of new vehicle production, these vehicles are in fact beginning to have a measurable and meaningful impact on overall new vehicle fuel economy and CO_2 emissions, particularly for some individual manufacturers.

This section summarizes the impact of alternative fuel vehicles on individual manufacturer fuel economy and CO_2 emissions. In order for data from alternative fuel vehicles to be merged with data for gasoline and diesel vehicles, this report uses miles per gallon-equivalent (mpge), which is defined as the number of miles that a vehicle travels on an amount of alternative fuel with the same energy content as a gallon of gasoline, and tailpipe CO_2 emissions data. These values are used on the EPA/DOT Fuel Economy and Environment Label and are the metrics that are most often associated with these vehicles. Of course, including net upstream CO_2 emissions for vehicles operating on electricity would change the impact of electric and plug-in hybrid electric vehicles on manufacturer-specific CO_2 emissions (see Section 7 for data on net upstream CO_2 emissions).

Table 4.9 shows the impact of alternative fuel vehicles on MY 2016 manufacturer-specific adjusted mpg and CO_2 emissions values. Ten of the thirteen largest manufacturers produced alternative fuel vehicles in MY 2016. Additionally, three smaller manufacturers also produced alternative fuel vehicles and are included in Table 4.9. The alternative fuel vehicle fuel economy and CO_2 emissions values were recalculated from label values (weighted 55% city/45% highway) to adjusted values (weighted 43% city/57% highway) to be consistent with the adjusted numbers presented in most of the sections of this report. For further discussion of the methodology behind the adjusted fuel economy and CO_2 values, see Section 10.

Table 4.9

MY 2016 Alternative Fuel Vehicle Impact on Manufacturer Averages*

Manufacturer	Adj. Fuel Economy (MPG)			Adjusted CO_2 Emissions (g/mi)			Total AFV Production	Percent of Manufacturer Production
	Without AFVs	With AFVs	Difference with AFVs	Without AFVs	With AFVs	Difference with AFVs		
Tesla	-	96.8	-	-	0	-	46,058	100.0%
BMW	25.1	25.5	0.4	355	349	-6	11,755	3.0%
Volvo	24.1	24.4	0.3	369	365	-4	2,183	2.4%
Ford	22.7	22.8	0.2	392	389	-3	22,343	1.1%
Nissan	27.7	27.9	0.2	321	318	-3	13,128	1.0%
Mercedes	23.6	23.7	0.1	378	376	-2	2,365	0.7%
GM	22.3	22.4	0.1	398	397	-2	12,534	0.5%
Kia	26.2	26.2	0.1	340	338	-1	2,788	0.4%
Hyundai	28.7	28.8	0.0	309	309	0	1,432	0.2%
Mitsubishi	27.0	27.1	0.0	329	328	-1	130	0.2%
Toyota	25.0	25.0	0.0	355	355	0	785	0.0%
VW	*26.3*	*26.6*	*0.4*	*339*	*334*	*-6*	*12,776*	*2.3%*
Fiat-Chrysler	*21.5*	*21.5*	*0.0*	*414*	*413*	*-1*	*4,639*	*0.2%*
All	**24.6**	**24.7**	**0.1**	**362**	**359**	**-2**	**132,916**	**0.80%**

*Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

Alternative fuel vehicles comprised 0.8% of new vehicle production in MY 2016. Including mpge and tailpipe CO_2 emissions from alternative fuel vehicles increased the overall MY 2016 adjusted fuel economy by 0.1 mpg compared to what it otherwise would have been, and reduced overall CO_2 emissions by 2 g/mi. Of the largest manufacturers with production of over 100,000 vehicles, BMW had the highest concentration of alternative fuel vehicle production at 3%, followed by Ford, Nissan, and Mercedes at about 1%. Including alternative fuel vehicles improved BMW's performance the most, increasing MY 2016 fuel economy by 0.4 mpg overall, and decreasing CO_2 emissions by 6 g/mi. For Ford and Nissan, the inclusion of alternative fuel vehicles raised adjusted fuel economy by 0.2 mpg, and decreased tailpipe CO_2 emissions by 3 g/mi. Mercedes, GM, and Kia also increased their fuel economy by 0.1 mpg and decreased CO_2 emissions by 1-2 g/mi due to AFVs.

Tesla, which exclusively sells EVs, led all manufacturers in alternative fuel vehicle production. More than 2% of Volvo vehicles produced in MY 2016 were alternative fuel vehicles, which increased their overall fuel economy by 0.3 mpg and decreased CO_2 emissions by 4 g/mi. Mitsubishi was the only other small manufacturer to produce AFVs in MY 2016.

Section 7 of this report has further data on fuel economy, emissions, and other parameters for alternative fuel vehicles.

5 Powertrain Technologies

Technological innovation is a major driver of vehicle design in general, and vehicle fuel economy and CO_2 emissions in particular. Since its inception, this report has tracked the usage of key technologies as well as many major engine and transmission parameters. This section of the report will focus on the larger technology trends in engine and transmission production and the impact of those trends on vehicle fuel economy and CO_2 emissions.

Over the last 40 years, one trend is strikingly clear: automakers have consistently developed and commercialized new technologies that have provided increasing benefits to consumers. As discussed previously in Sections 2 and 3, the benefits provided by new technologies have varied over time. New technologies have been introduced for many reasons, including increasing fuel economy, reducing CO_2 emissions, increasing vehicle power and performance, increasing vehicle content and weight, or improving other vehicle attributes that are not easily quantifiable (e.g., handling, launch feel).

Data from alternative fuel vehicles (AFVs) are included in the report beginning with MY 2011 data. AFVs include electric vehicles (EVs), plug-in electric hybrids (PHEVs), hydrogen fuel cell vehicles (FCVs), and compressed natural gas (CNG) vehicles. AFVs are projected to reach almost 2% of production in MY 2017. AFV production has increased in recent years and has started to impact some important trends in this report. However, making technical comparisons between AFVs and conventional vehicles is difficult due to the fact that many conventional metrics are no longer relevant for electrified vehicles (number of cylinders, for example), and that some AFVs have complex operating cycles based on multiple fuels. For these reasons, the analysis in part B of this section is limited to conventional vehicles (gasoline, diesel, and gasoline hybrid) only. Part C focuses exclusively on alternative fuel vehicles, without conventional vehicles. The rest of this section includes AFVs and conventional vehicles together. For a more detailed description of individual AFVs and the parameters used to measure fuel economy and emissions, see section 7.

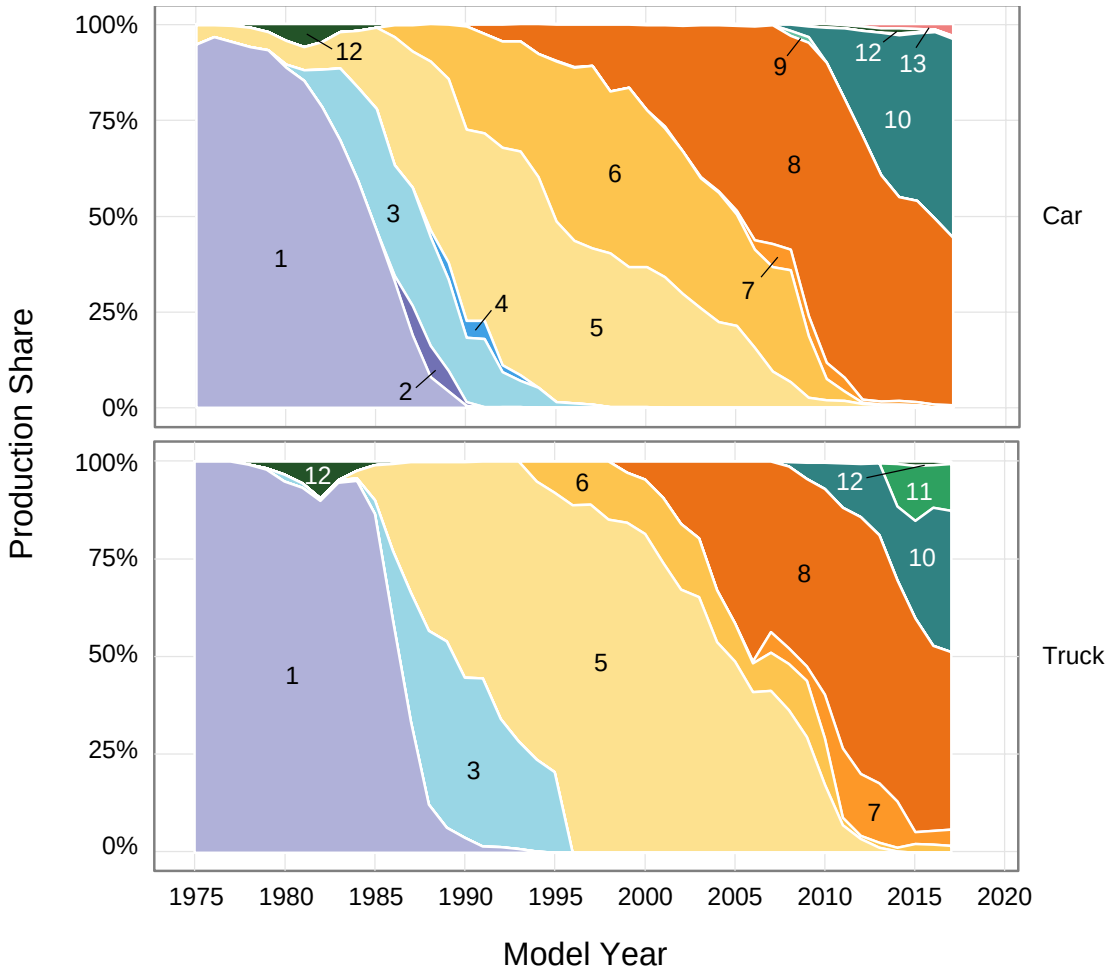
A. Overall Engine Trends

Engine technology has changed radically over the last 40 years. In 1975, the first year of this report, nearly all engines were carbureted with fixed valve timing and two valves per cylinder. In MY 2017, more than half of new vehicle production will feature engines with gasoline direct injection, and nearly all feature variable valve timing, and multiple valves per cylinder. In addition, advanced AFVs production is increasing, including EVs and PHEVs that can operate on electricity or gasoline.

The evolution of vehicle engine technology over the last 40 years is shown in Figure 5.1. Engine technology has consistently changed as the industry evolved. One interesting aspect of Figure 5.1 is that engine technology has, at times, changed quite quickly. GDI engines were installed in less than 3% of vehicles produced in MY 2008, but are projected to reach about 52% of new vehicles in MY 2017. This is a rapid change, but not unprecedented in the industry. For example, nearly all trucks replaced carburetors with fuel injection engines in the 5-year period from MY 1985 to MY 1990.

Figure 5.1

Production Share by Engine Technology



Fuel Delivery	Valve Timing	Number of Valves	Key
Carbureted	Fixed	Two-Valve	1
		Multi-Valve	2
Throttle Body Injection	Fixed	Two-Valve	3
		Multi-Valve	4
Port Fuel Injection	Fixed	Two-Valve	5
		Multi-Valve	6
	Variable	Two-Valve	7
		Multi-Valve	8
Gasoline Direct Injection (GDI)	Fixed	Multi-Valve	9
	Variable	Multi-Valve	10
		Two-Valve	11
Diesel	—	—	12
Alternative Fuel	—	—	13

Table 5.1

Production Share by Powertrain

Model Year	Gasoline	Hybrid	Diesel	Plug-in Hybrid Electric	Electric	Other
1975	99.8%	-	0.2%	-	-	-
1976	99.8%	-	0.2%	-	-	-
1977	99.6%	-	0.4%	-	-	-
1978	99.1%	-	0.9%	-	-	-
1979	98.0%	-	2.0%	-	-	-
1980	95.7%	-	4.3%	-	-	-
1981	94.1%	-	5.9%	-	-	-
1982	94.4%	-	5.6%	-	-	-
1983	97.3%	-	2.7%	-	-	-
1984	98.2%	-	1.8%	-	-	-
1985	99.1%	-	0.9%	-	-	-
1986	99.6%	-	0.4%	-	-	-
1987	99.7%	-	0.3%	-	-	-
1988	99.9%	-	0.1%	-	-	-
1989	99.9%	-	0.1%	-	-	-
1990	99.9%	-	0.1%	-	-	-
1991	99.9%	-	0.1%	-	-	-
1992	99.9%	-	0.1%	-	-	-
1993	100.0%	-	-	-	-	-
1994	100.0%	-	0.0%	-	-	-
1995	100.0%	-	0.0%	-	-	-
1996	99.9%	-	0.1%	-	-	-
1997	99.9%	-	0.1%	-	-	-
1998	99.9%	-	0.1%	-	-	-
1999	99.9%	-	0.1%	-	-	-
2000	99.8%	0.0%	0.1%	-	-	-
2001	99.7%	0.1%	0.1%	-	-	-
2002	99.6%	0.2%	0.2%	-	-	-
2003	99.5%	0.3%	0.2%	-	-	-
2004	99.4%	0.5%	0.1%	-	-	-
2005	98.6%	1.1%	0.3%	-	-	-
2006	98.1%	1.5%	0.4%	-	-	-
2007	97.7%	2.2%	0.1%	-	-	-
2008	97.4%	2.5%	0.1%	-	-	-
2009	97.2%	2.3%	0.5%	-	-	-
2010	95.5%	3.8%	0.7%	-	-	0.0%
2011	97.0%	2.2%	0.8%	0.0%	0.1%	0.0%
2012	95.5%	3.1%	0.9%	0.3%	0.1%	0.0%
2013	94.8%	3.6%	0.9%	0.4%	0.3%	0.0%
2014	95.7%	2.6%	1.0%	0.4%	0.3%	0.0%
2015	95.9%	2.4%	0.9%	0.3%	0.5%	0.0%
2016	96.9%	1.8%	0.5%	0.3%	0.5%	0.0%
2017 (prelim)	*94.5%*	*3.3%*	*0.3%*	*0.9%*	*1.0%*	*0.0%*

Gasoline combustion engines have long dominated sales in the United States. As shown in Table 5.1, non-hybrid gasoline engines are projected to be installed in 94.5% of all new vehicles in MY 2017. Gasoline hybrid vehicles are projected to account for 3.3% of new vehicles in MY 2017, with electric vehicles (EVs) and plug-in electric hybrids (PHEVs) capturing 1.0% and 0.9% of production. Diesel vehicles are projected to account for 0.3% of production, well below the 5.9% record high set in MY 1981. Hybrids are also below their record production level of MY 2010.

B. Trends in Conventional Engines

Conventional engine technologies include gasoline vehicles, diesel vehicles, and gasoline hybrid vehicles. In MY 2017, these vehicles are projected to account for slightly more than 98% of vehicles produced. These vehicles all rely on combustion engines and either gasoline or diesel fuel to power the vehicle. Many of the metrics in this section, such as engine displacement, are not relevant for AFVs, so the analysis presented here excludes all AFVs. It is important to note that, because AFVs are excluded from this section, some values in this section will differ slightly from those cited elsewhere in this report where AFVs are included.

Horsepower and Displacement

One of the most remarkable trends over the course of this report is the increase in vehicle horsepower since the early 1980s. From 1975 through the early 1980s, average horsepower decreased, in combination with lower vehicle weight (see Table 2.1 and Figure 2.3) and smaller engine displacement (see below). Since the early 1980s, the average new vehicle horsepower has more than doubled. Average horsepower climbed consistently from MY 1982 to MY 2008. Since MY 2008, horsepower trends have been less consistent, and may be beginning to flatten out. Average horsepower for conventional vehicles is projected to be a record high of 232 hp in MY 2017. The long-term trend in horsepower is mainly attributable to improvements in engine technology, but increasing production of larger vehicles and an increasing percentage of truck production have also influenced the increase of average new vehicle horsepower. The trend in average new vehicle horsepower is shown in Figure 5.2.

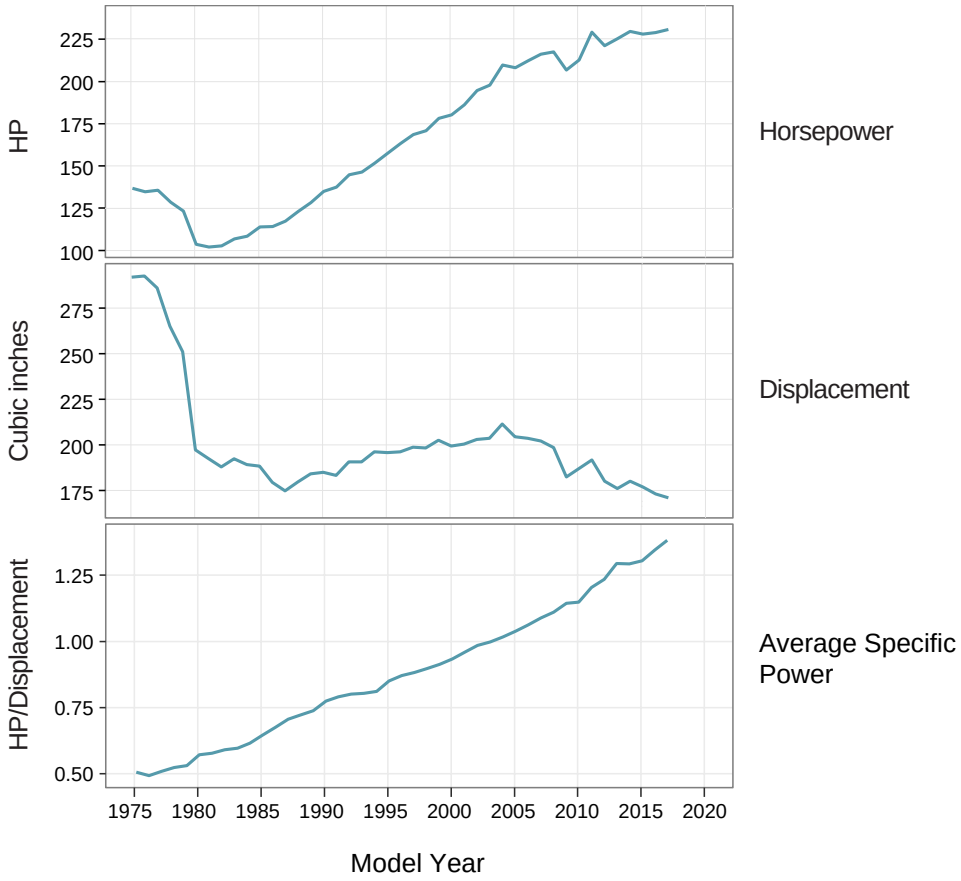
Engine size, as measured by total displacement, is also shown in Figure 5.2. Three general phases in engine displacement are discernible. From MY 1975 to 1987, the average engine displacement of new vehicles dropped dramatically by nearly 40%. From MY 1988 to 2004, displacement generally grew slowly, but the trend reversed in 2005 and engine displacement has been generally decreasing since. In MY 2017, engine displacement is projected to reach the lowest point on record, below the previous lowest average displacement reached in MY 1987.

The contrasting trends in horsepower (near an all-time high) and engine displacement (near an all-time low) highlight the continuing improvement in engines due to introduction of new technologies (e.g., increasingly sophisticated fuel injection designs) and smaller engineering improvements that are not tracked by this report (e.g., reduced internal friction). One additional way to examine the relationship between engine horsepower and displacement is to

look at the trend in *specific* power, which is a metric to compare the power output of an engine relative to its size. Here, engine specific power is defined as horsepower divided by displacement.

Figure 5.2

Engine Power and Displacement, AFVs Excluded

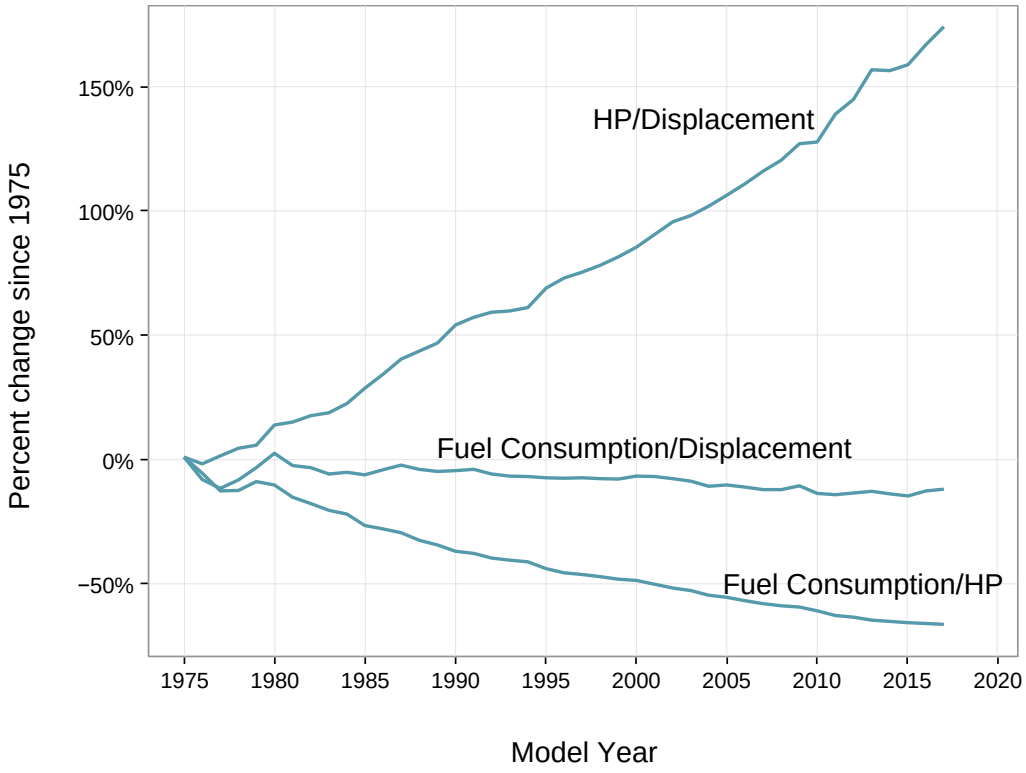


Since the beginning of this report, the average specific power of engines across the new vehicle fleet has increased at a remarkably steady rate, as shown in Figure 5.2. Since MY 1975, the specific power of new vehicle engines has increased by about 0.02 horsepower per cubic inch every year. Considering the numerous and significant changes to engines over this time span, changes in consumer preferences, and the external pressures on vehicle purchases, the long standing linearity of this trend is noteworthy. The roughly linear increase in specific power does not appear to be slowing. Turbocharged engines, direct injection, higher compression ratios, and many other engine technologies are likely to continue increasing engine specific power.

Figure 5.3 summarizes three important engine metrics, each of which has shown a remarkably linear change over time. Specific power, as discussed above, has increased more than 150% since MY 1975 and at a very steady rate. The amount of fuel consumed by an engine, relative to the total displacement, has fallen about 15% since MY 1975, and fuel consumption relative to engine horsepower has fallen more than 65% since MY 1975. Taken as a whole, the trend lines in Figure 5.3 clearly show that engine improvements over time have been steady, continual, and have resulted in impressive improvements to internal combustion engines.

Figure 5.3

Percent Change for Specific Engine Metrics, AFVs Excluded



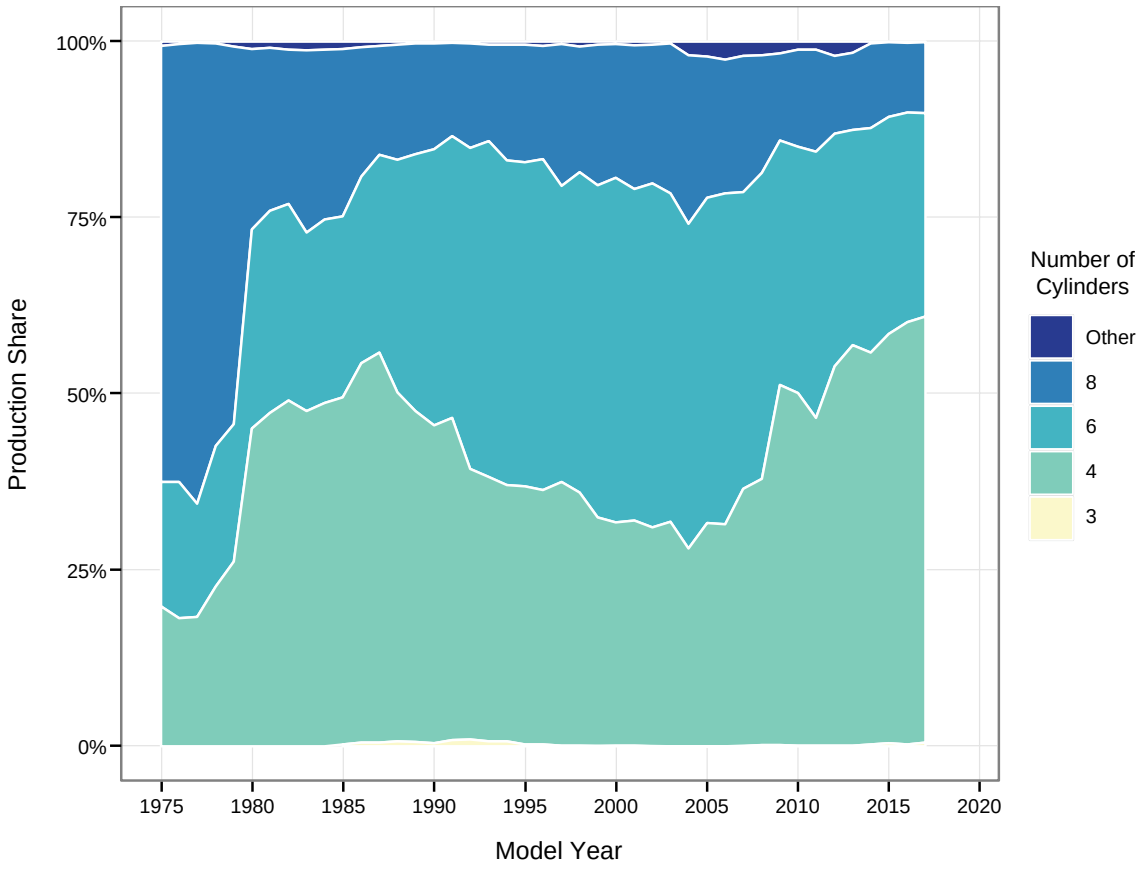
Another fundamental design parameter for internal combustion engines is the number of cylinders. Since 1975, there have been significant changes to the number of cylinders in new vehicles, as shown in Figure 5.4. In the mid and late 1970s, the 8-cylinder engine was dominant, accounting for over half of new vehicle production. In MY 1980 there was a significant change in the market, as 8-cylinder engine production share dropped from 54% to 26% and 4-cylinder production share increased from 26% to 45%. The 4-cylinder engine then continued to lead the market until overtaken by 6-cylinder engines in MY 1992. Model year 2009 marked a second major shift in engine production, as 4-cylinder engines once again became the production leader with a 51% market share (an increase of 13 percentage points in a single year), followed by 6-cylinder engines with 35%, and 8-cyinder engines at 12%. Production share of 4-cylinder engines has generally increased since, and is at the highest point on record, accounting for 60% of production in MY 2016. Production share of 8-cylinder

engines has continued to decrease, to less than 10%. Projected data for MY 2017 suggests that these trends will continue.

Engine displacement per cylinder has been relatively stable over the time of this report (around 35 cubic inches per cylinder since 1980), so the reduction in overall new vehicle engine displacement shown in Figure 5.2 is almost entirely due to the shift towards engines with fewer cylinders.

Figure 5.4

Production Share by Number of Engine Cylinders, AFVs Excluded



Fuel Delivery Systems

One aspect of engine design that has changed significantly over time is how fuel is delivered into the engine. In the 1970s and early 1980s, nearly all engines used carburetors to meter fuel delivered to the engine. Carburetors were replaced over time with throttle body injection systems (TBI) and port fuel injection systems. More recently, engines with gasoline direct injection (GDI) have begun to replace engines with port fuel injection. Engines using GDI were first introduced into the market with very limited production in MY 2007. Only 9 years later GDI engines were installed in about 48% of MY 2016 vehicles, and are projected to achieve a 52% market share in MY 2017.

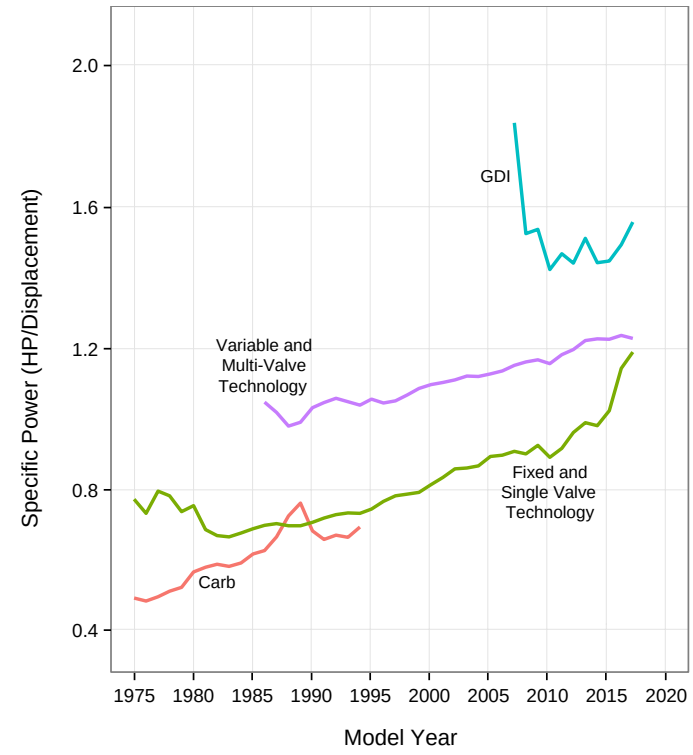
Another key aspect of engine design is the valve-train. The number of valves per cylinder and the ability to alter valve timing during the combustion cycle can result in significant power and efficiency improvements. This report began tracking multi-valve engines (i.e., engines with more than 2 valves per cylinder) for cars in MY 1986 (and for trucks in MY 1994), and since that time nearly the entire fleet has converted to multi-valve design. While some three and five valve engines have been produced, the vast majority of multi-valve engines are based on 4 valves per cylinder. In addition to the number of valves per cylinder, designs have evolved that allow engine valves to vary the timing when they are opened or closed with respect to the combustion cycle, creating more flexibility to control engine efficiency, power, and emissions. This report began tracking variable valve timing (VVT) for cars in MY 1990 (and for trucks in MY 2000), and since then nearly the entire fleet has adopted this technology. Figure 5.1 shows the evolution of engine technology, including fuel delivery method, and the introduction of VVT and multi-valve engines.

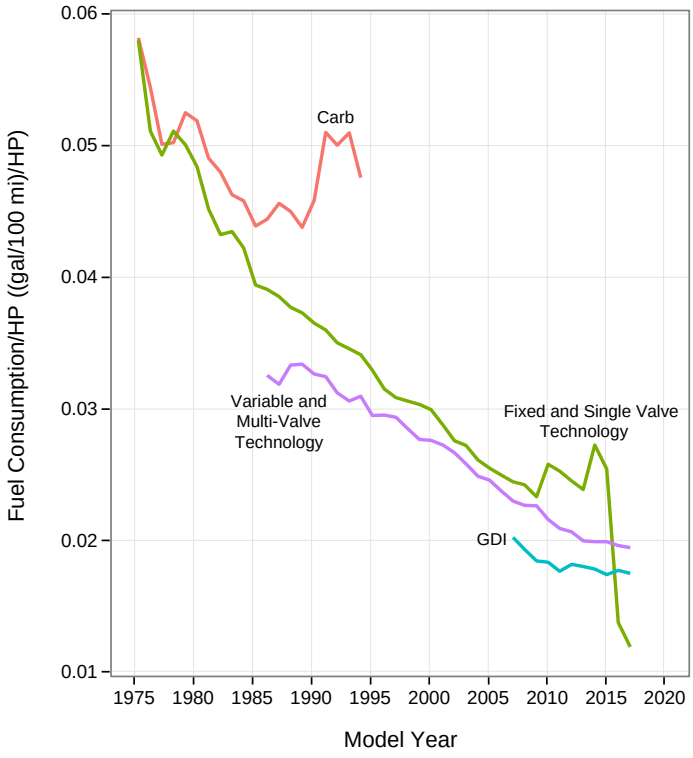
As clearly shown in Figure 5.1, fuel delivery and valve-train technologies have often developed over the same time frames. Nearly all carbureted engines relied on fixed valve timing and had two valves per cylinder, as did early port injected engines. Port injected engines largely developed into engines with both multi-valve and VVT technology. Engines with GDI are almost exclusively using multi-valve and VVT technology. These four engine groupings, or packages, represent a large share of the engines produced over the lifetime of the Trends database.

Figure 5.5 shows the changes in specific power and fuel consumption between each of these engine packages over time. There is a very clear increase in specific power of each engine package, as engines moved from carbureted engines, to two-valve port fixed engines, to multi-valve port VVT engines, and finally to GDI engines. Some of the increase for GDI engines may also be due to the fact that GDI engines are often paired with turbochargers to further increase power. Figure 5.5 also shows the reduction in fuel consumption per horsepower for each of the four engine packages.

Figure 5.5

Engine Metrics for Different Engine Technology Packages, AFVs Excluded





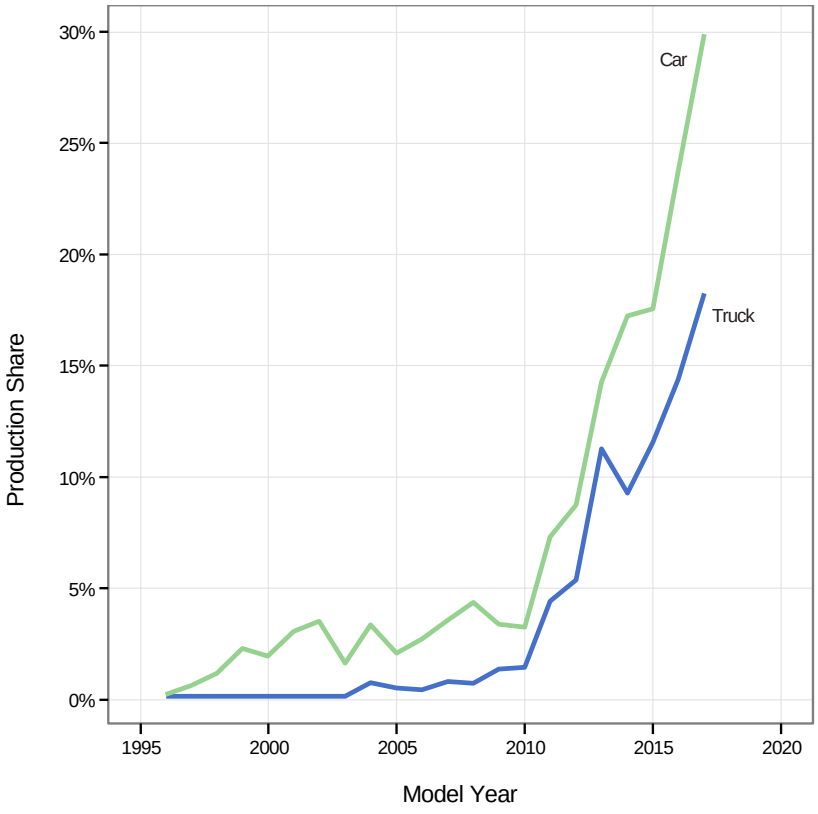
Turbo-Downsizing

Many manufacturers have introduced engines that are considered "turbo downsized" engines. This group of engines generally has three common features: a smaller displacement than the engines they are replacing, turbochargers, and (often, but not always) GDI. Turbo downsized engines are an approach to engine design that provides increased fuel economy by using a smaller engine for most vehicle operation, while retaining the ability to provide more power via the turbocharger, when needed.

Turbocharged engines are projected to capture approximately 25% of new vehicle production in MY 2017, with all of the 13 largest manufacturers (as discussed in Section 4) offering turbocharged engine packages. This is a significant increase in market penetration over the last decade, and it is a trend that appears to be accelerating rapidly, as shown in Figure 5.6. Prior to the last few years, turbochargers (and superchargers) were available, but generally only on high performance, low volume vehicles. It is only in the last few years that turbochargers have been available as part of a downsized turbo vehicle package, many of which are now available in mainstream vehicles. The sales of these vehicles are driving the increase in turbocharger market share. Both cars and trucks have rapidly added turbocharged engine packages, as shown in Figure 5.6.

Figure 5.6

Market Share of Gasoline Turbo Vehicles



Turbochargers are most frequently combined with 4-cylinder engines. Excluding diesel engines, 79% of turbocharged engines are combined with 4-cylinder engines and about 18% are combined with 6-cylinder engines. Over 60% of turbocharged engines are projected to be installed in 4-cylinder cars in MY 2017. The overall breakdown of turbocharger distribution in the new vehicle fleet is shown in Table 5.2.

In current engines, turbochargers are often being used in combination with GDI to allow for more efficient engine operation and to increase the resistance to engine knock (the use of variable valve timing also helps to reduce turbo lag). In MY 2017, more than 90% of new vehicles with gasoline turbocharged engines also use GDI.

Table 5.2

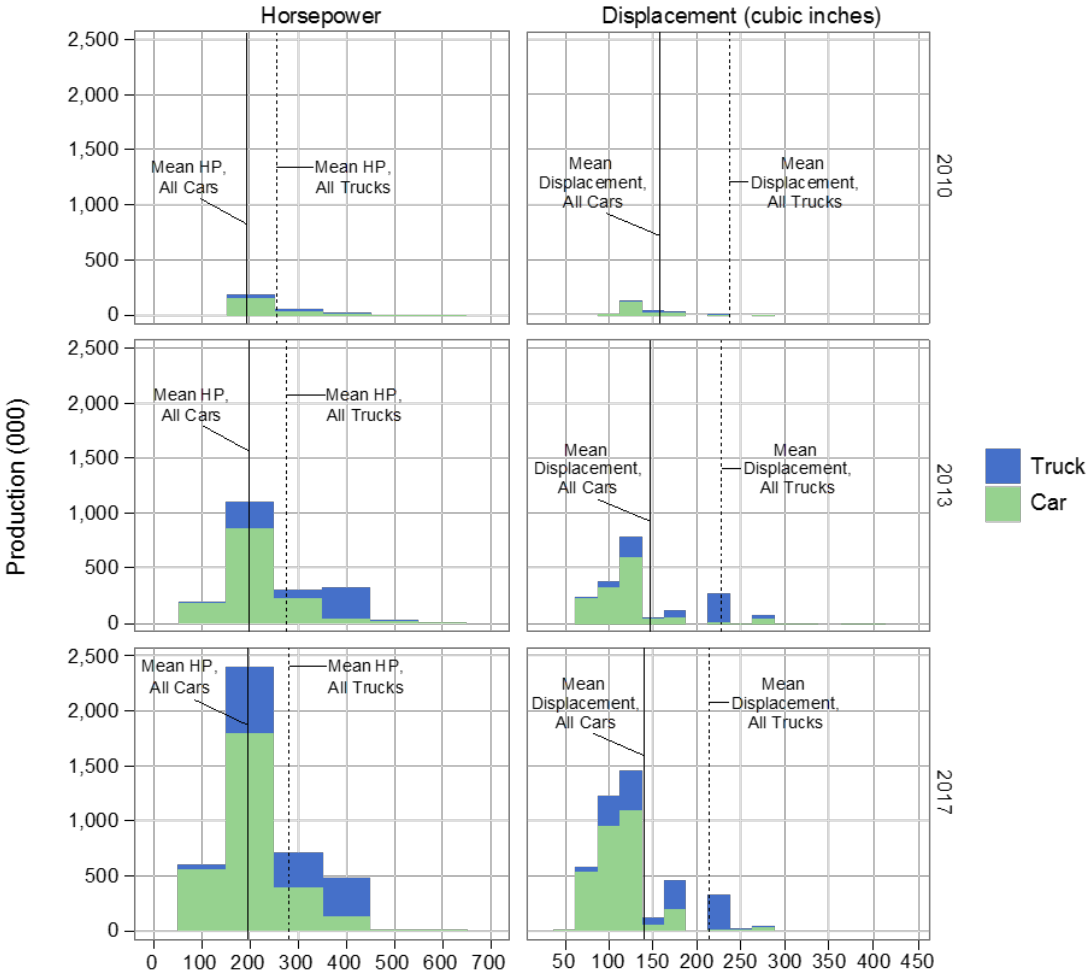
Distribution of MY 2017 (Preliminary) Gasoline Turbocharged Engines

Category	Turbo Share
Car	
4 cylinder Car	*61.3%*
6 cylinder Car	*5.0%*
8 cylinder Car	*1.3%*
Other Car	*1.2%*
Truck	
4 cylinder Truck	*17.3%*
6 cylinder Truck	*13.2%*
8 cylinder Truck	*0.6%*
Other Truck	*0.0%*

Figure 5.7 examines the distribution of engine displacement and power of turbocharged engines for MY 2010 (top) to MY 2017 (bottom). Note that the production values for cars and trucks in each bar are additive, e.g., there are projected to be about 1,750,000 gasoline cars with turbochargers in the 200-300 horsepower range in MY 2017, with another 500,000 gasoline trucks with turbochargers in the same horsepower range. In MY 2010, turbochargers were used mostly on cars, and were available on engines both above and below the average engine displacement. The biggest increase in turbocharger use over the last few years has been in cars with engine displacement well below the average displacement. Engine horsepower has been more distributed around the average, reflecting the higher power per displacement of turbocharged engines. This trend towards adding turbochargers to smaller, less powerful engines reinforces the conclusion that most turbochargers are currently being used for turbo downsizing, and not simply just to add power for performance vehicles.

Figure 5.7

Distribution of Gasoline Turbo Vehicles by Displacement and Horsepower, MY 2010, 2013, and 2017



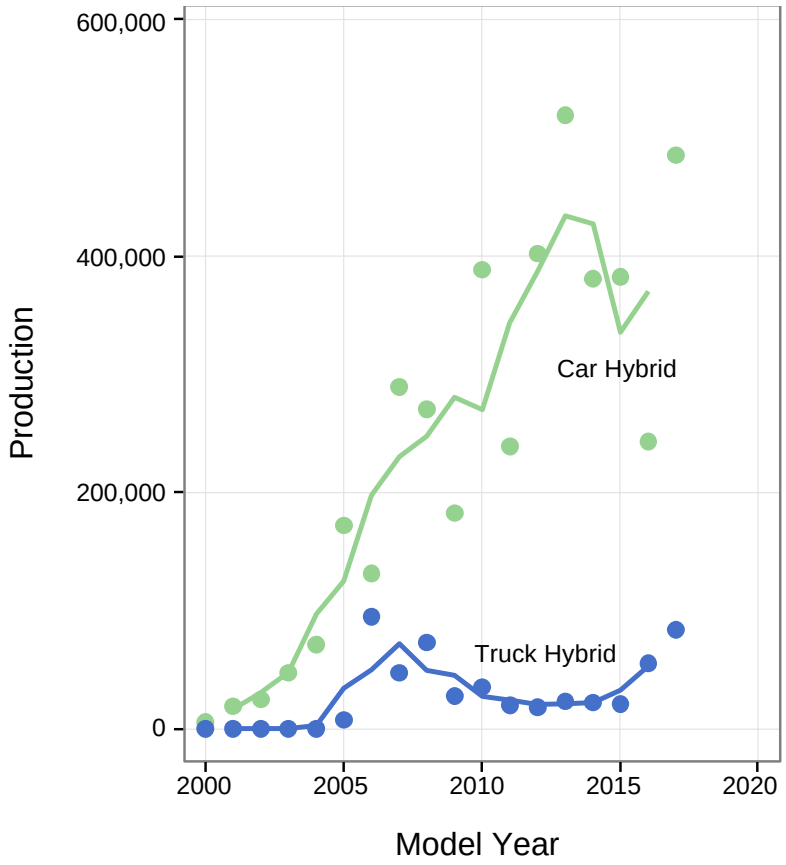
*The horsepower graph excludes the Bugatti Veyron.

Hybrids

Hybrid vehicles utilize larger battery packs, electric motors, and other components that can increase vehicle fuel economy. Benefits of hybrids include: 1) regenerative braking which can capture energy that is otherwise lost in conventional friction braking to charge the battery, 2) availability of two sources of on-board power which can allow the engine to be operated at or near its peak efficiency more often, and 3) shutting off the engine at idle. The introduction of the first hybrid into the U.S. marketplace occurred in MY 2000 with the Honda Insight. Hybrid production and market share increased throughout the 2000s, with hybrid production peaking in MY 2013 at over 500,000 units, as shown in Figure 5.8, and market share peaking in MY 2010 at 3.8%. In the last few years, hybrid production has fluctuated, with hybrids accounting for 1.8% market share in MY 2016. Their market share is projected to reach 3.3% in MY 2017.

Figure 5.8

Hybrid Production MY 2000–2017 (With 3-Year Moving Average), AFVs Excluded

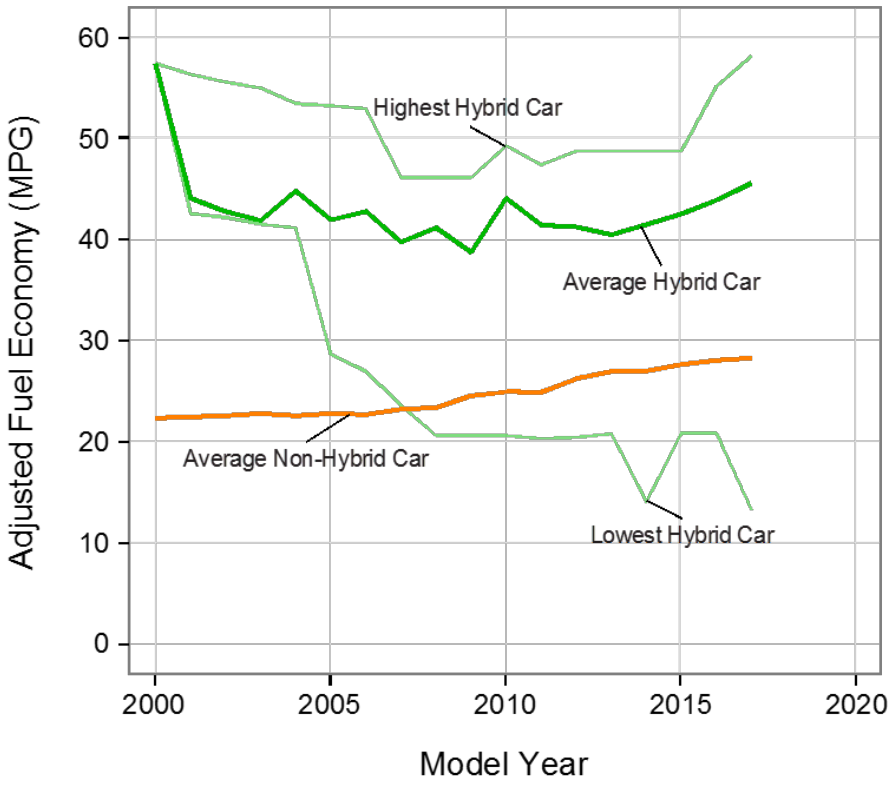


The first U.S. hybrid vehicle in MY 2000, the Honda Insight, was a low production, specialty vehicle with very high fuel economy (Table 10.2 shows various fuel economy metrics for the 2005 Insight). The Toyota Prius was first introduced in the U.S. market in MY 2001, and over time, more hybrid models were introduced. Hybrids now represent a much broader range of vehicle types and are now frequently offered as powertrain options on many popular models that are nearly indistinguishable from their non-hybrid counterparts. Most hybrids provide higher fuel economy than comparable vehicles, although some hybrids have been offered as more performance-oriented vehicles with more minor fuel economy improvements.

Figure 5.9 shows the production-weighted distribution of fuel economy for all hybrid cars by year. Hybrid cars, on average, have fuel economy more than 50% higher than the average non-hybrid car in MY 2017. As a production weighted average, hybrid cars achieved 44 mpg for MY 2016, while the average non-hybrid car achieved about 28 mpg. The increasing spread between the highest and lowest fuel economy of available hybrid cars is a reflection of the widening availability of hybrid models. Figure 5.9 is presented for cars only since the production of hybrid trucks has been limited.

Figure 5.9

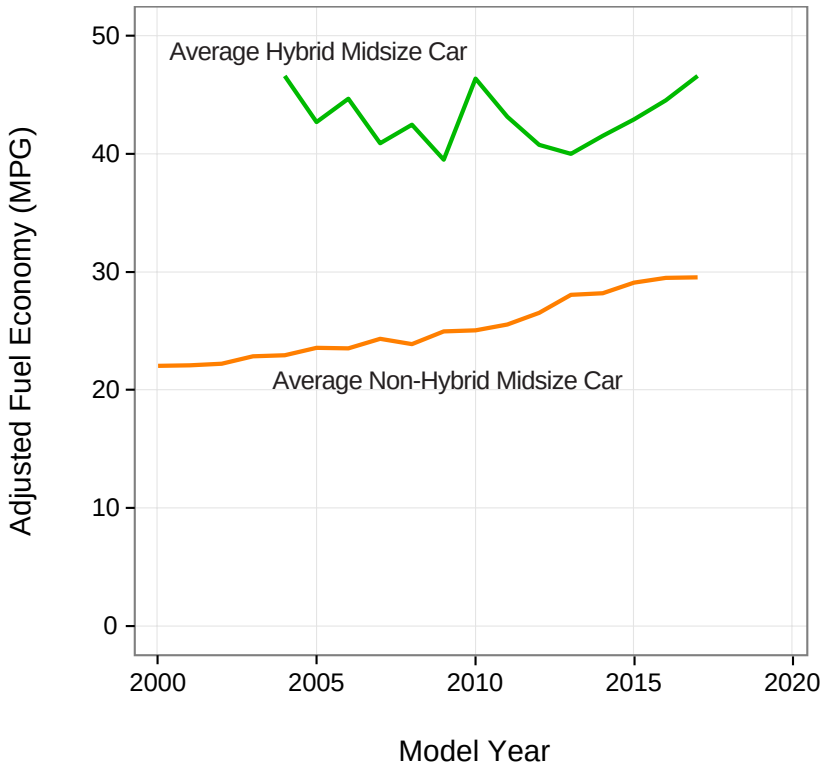
Hybrid Adjusted Fuel Economy Distribution by Year, Car Only, AFVs Excluded



While the average fuel economy of hybrid cars remains higher than the average fuel economy of non-hybrid cars, the difference has narrowed considerably. Average hybrid car fuel economy has been relatively stable since MY 2001, while the fuel economy of the average non-hybrid car has increased more than 26%. Figure 5.10 further explores this trend by examining midsize cars. While generally this report has moved away from using vehicle sub-classes such as midsize sedans, it is a well-established and recognized category and nearly 50% of hybrid vehicles are in the midsize car class. Comparing average midsize hybrids to average midsize non-hybrid cars, gasoline only, is an apples-to-apples comparison.

Figure 5.10

Hybrid and Non-Hybrid Fuel Economy for Midsize Cars, MY 2000–2017, Gasoline Only



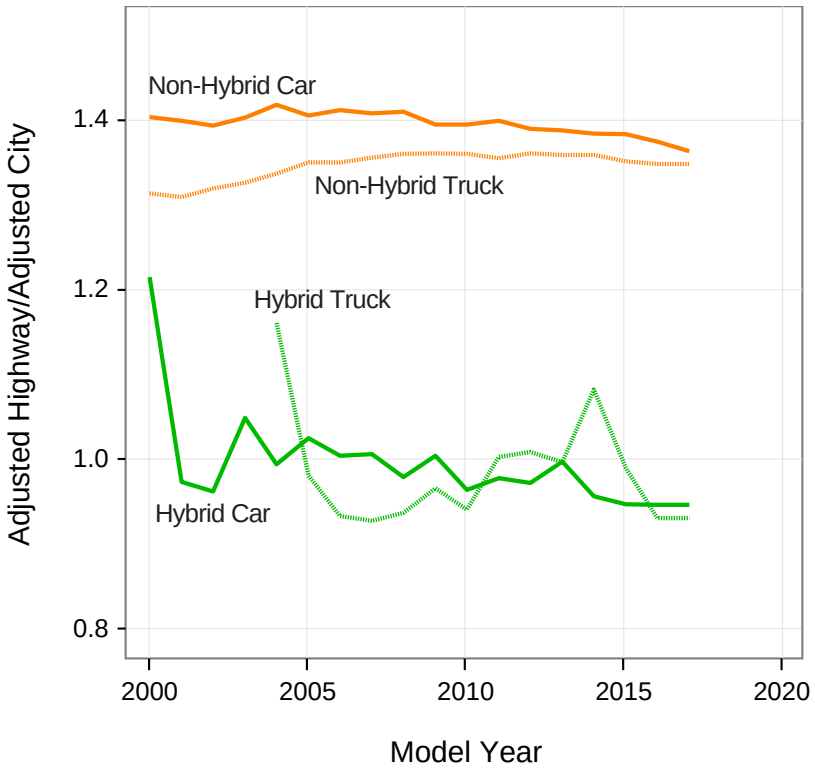
The difference in fuel economy between the average hybrid midsize car and the average non-hybrid midsize gasoline narrowed from about 25 mpg in MY 2004 to about 14 mpg in MY 2013. The primary reason for this trend was continued improvements to the internal combustion engine. Additionally, many technologies introduced or emphasized in early hybrids, such as improved aerodynamics, low rolling resistance tires, and increased use of lightweight materials, have also become more common on non-hybrid vehicles. Since MY 2013 however, the improvements in non-hybrid cars has slowed, and redesigned hybrid models have increased the average hybrid fuel economy.

One unique design aspect of hybrids is the ability to use regenerative braking to capture some of the energy lost by a vehicle during braking. The recaptured energy is stored in a battery and is then used to help propel the vehicle, generally during vehicle acceleration. This process results in significantly higher city fuel economy ratings for hybrid vehicles compared to non-hybrid vehicles, and in fact the city fuel economy of many hybrids is typically similar to, if not higher than, their highway fuel economy. Figure 5.11 shows the ratio of highway to city fuel economy for hybrid cars and trucks. Hybrid models have a ratio of highway to city fuel economy near 1.0 (meaning the city and highway fuel economy are nearly equivalent) which is much lower than the 1.4 ratio of highway to city fuel economy for non-hybrid models. This is

one aspect of operating a hybrid that is fundamentally different from a conventional vehicle and appears to be relatively steady over time.

Figure 5.11

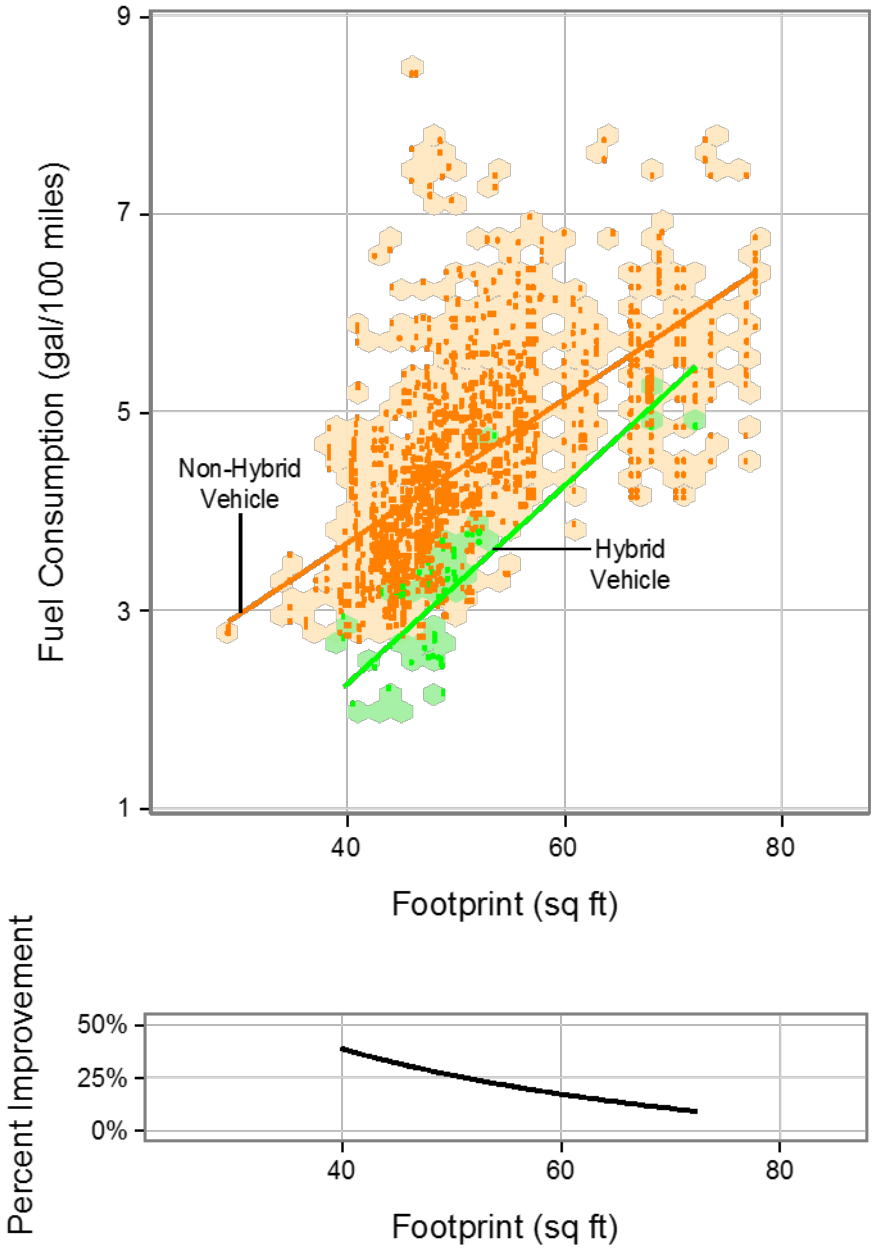
Highway/City Fuel Economy Ratio for Hybrids and Non-Hybrids, AFVs Excluded



The relationship between hybrids and non-hybrids is clearer if vehicles of the same footprint are compared directly. As shown in Figure 5.12, the fuel consumption of vehicles increases as the footprint increases at about the same rate for both hybrid and non-hybrid vehicles. Hybrids do achieve a higher percentage improvement in smaller vehicles, and achieve more than 30% lower fuel consumption, on average, for vehicles with a footprint of 45 square feet, which is about the size of a standard midsize sedan. The percent improvement figure at the bottom of Figure 5.12 describes the fuel consumption improvement for hybrid vehicles as compared to conventional vehicles over the range of footprints for which both hybrid and conventional vehicles are available. It depicts the percentage difference between the 'best fit' lines for hybrid vehicles and conventional vehicles shown in the upper part of Figure 5.12.

Figure 5.12

Percent Improvement in Adjusted Fuel Consumption for Hybrid Vehicles, MY 2016, AFVs Excluded



Diesels

Diesels vehicles peaked in the U.S. at 5.9% of the market in MY 1981, before falling to 0.1% of the market for many years. Several new diesel models were introduced in recent years and production climbed back up to 1.0% in MY 2014 and MY 2015. However, production fell to about half of that in MY 2016, and is projected to be only 0.3% in MY 2017. As with hybrid vehicles, diesels generally achieve higher fuel economy than non-diesel vehicles. The relationship between diesel vehicles and all new vehicles is shown in Figure 5.13.

While diesel engines generally achieve higher fuel economy than comparable gasoline vehicles, there is less of an advantage in terms of CO_2 emissions. Some of the fuel economy benefit of diesel engines is negated by the fact that diesel fuel contains about 15% more carbon per gallon, and thus emits more CO_2 per gallon burned than gasoline. Figure 5.14 shows the impact of diesel vehicles on CO_2 emissions by comparing the CO_2 emissions of MY 2016 diesel and gasoline vehicles by footprint.

It is important to note that the Department of Justice, on behalf of EPA, alleged violations of the Clean Air Act by Fiat Chrysler Automobiles based on the sale of certain 2014 through 2016 model year vehicles equipped with devices that defeat the vehicles' emission control systems. In addition, the Department of Justice and EPA have reached a settlement with Volkswagen over the use of defeat devices for certain 2009 through 2016 model year vehicles. In this report, EPA uses the CO_2 emissions and fuel economy data from the initial certification of these vehicles. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports. For more information on actions to resolve these alleged violations, see www.epa.gov/vw and www.epa.gov/fca.

Other Technologies

Table 5.3.1 presents comprehensive annual data from MY 1975-2017 for all of the engine technologies and parameters discussed above and several additional technologies. This report added engine stop/start technology (for non-hybrid vehicles) in 2012, and stop/start technology is already projected to be included on 16.8% of new non-hybrid vehicle production in MY 2017 (note that total use of stop/start is nearly 20% of the market since hybrids typically utilize stop/start as well). Cylinder deactivation, another technology not discussed above, has also grown to capture a projected 12% of production in MY 2017. Tables 5.3.2 and 5.3.3 provide the same data for cars only and trucks only, respectively. This data, and additional data, is further broken down in Appendices E through I.

Figure 5.13

Percent Improvement in Adjusted Fuel Consumption for Diesel Vehicles, MY 2016, AFVs Excluded

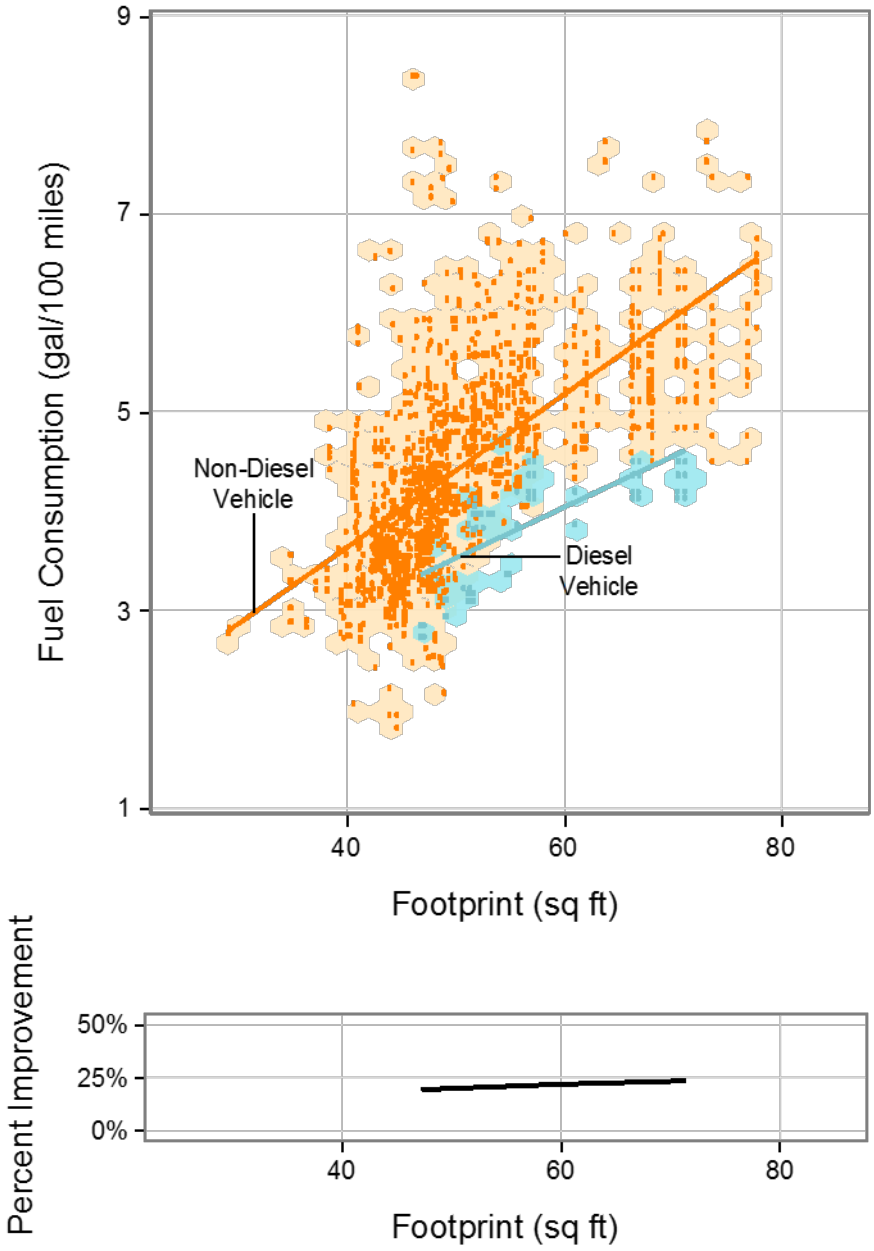


Figure 5.14

Percent Improvement in CO_2 Emissions for Diesel Vehicles, MY 2016, AFVs Excluded

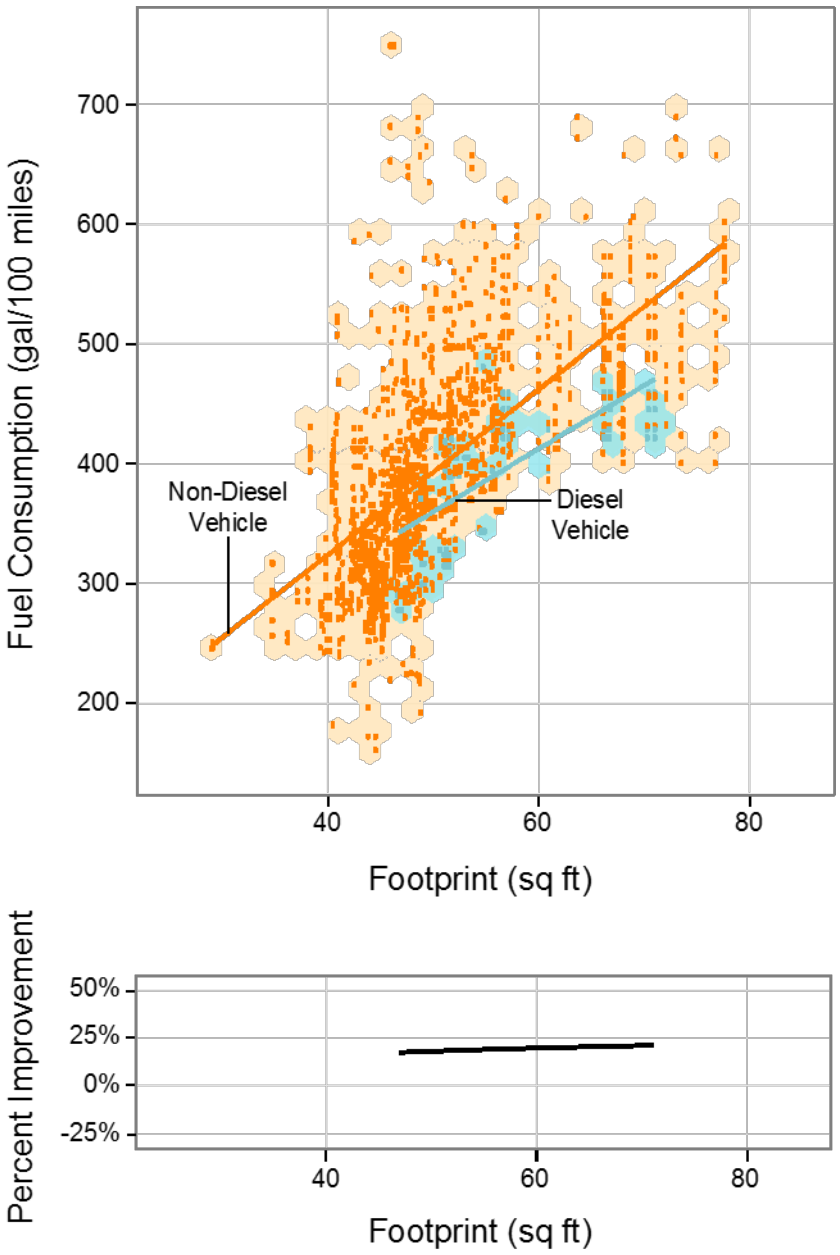


Table 5.3.1

Engine Technologies and Parameters, Both Car and Truck, AFVs Excluded

	Powertrain			Fuel Delivery Method					Avg. No. of							
Model Year	Gasoline	Gasoline Hybrid	Diesel	Carbureted	GDI	Port	TBI	Diesel	Cylinders	CID	HP	Multi-Valve	VVT	CD	Turbo	Stop/ Start
1975	99.8%	-	0.2%	95.7%	-	4.1%	0.0%	0.2%	6.8	293	137	-	-	-	-	-
1976	99.8%	-	0.2%	97.3%	-	2.5%	0.0%	0.2%	6.9	294	135	-	-	-	-	-
1977	99.6%	-	0.4%	96.2%	-	3.4%	0.0%	0.4%	6.9	287	136	-	-	-	-	-
1978	99.1%	-	0.9%	95.2%	-	3.9%	0.0%	0.9%	6.7	266	129	-	-	-	-	-
1979	98.0%	-	2.0%	94.2%	-	3.7%	0.1%	2.0%	6.5	252	124	-	-	-	-	-
1980	95.7%	-	4.3%	89.7%	-	5.2%	0.8%	4.3%	5.6	198	104	-	-	-	-	-
1981	94.1%	-	5.9%	86.7%	-	5.1%	2.4%	5.9%	5.5	193	102	-	-	-	-	-
1982	94.4%	-	5.6%	80.6%	-	5.8%	8.0%	5.6%	5.4	188	103	-	-	-	-	-
1983	97.3%	-	2.7%	75.2%	-	7.3%	14.8%	2.7%	5.5	193	107	-	-	-	-	-
1984	98.2%	-	1.8%	67.6%	-	11.9%	18.7%	1.8%	5.5	190	109	-	-	-	-	-
1985	99.1%	-	0.9%	56.1%	-	18.2%	24.8%	0.9%	5.5	189	114	-	-	-	-	-
1986	99.6%	-	0.4%	41.4%	-	32.5%	25.7%	0.4%	5.3	180	114	3.4%	-	-	-	-
1987	99.7%	-	0.3%	28.4%	-	39.9%	31.4%	0.3%	5.2	175	118	10.6%	-	-	-	-
1988	99.9%	-	0.1%	15.0%	-	50.6%	34.3%	0.1%	5.3	180	123	14.0%	-	-	-	-
1989	99.9%	-	0.1%	8.7%	-	57.3%	33.9%	0.1%	5.4	185	129	16.9%	-	-	-	-
1990	99.9%	-	0.1%	2.1%	-	70.8%	27.0%	0.1%	5.4	185	135	23.1%	-	-	-	-
1991	99.9%	-	0.1%	0.6%	-	70.6%	28.7%	0.1%	5.3	184	138	23.1%	-	-	-	-
1992	99.9%	-	0.1%	0.5%	-	81.6%	17.8%	0.1%	5.5	191	145	23.3%	-	-	-	-
1993	100.0%	-	-	0.3%	-	85.0%	14.6%	-	5.5	191	147	23.5%	-	-	-	-
1994	100.0%	-	0.0%	0.1%	-	87.7%	12.1%	0.0%	5.6	197	152	26.7%	-	-	-	-
1995	100.0%	-	0.0%	-	-	91.6%	8.4%	0.0%	5.6	196	158	35.6%	-	-	-	-
1996	99.9%	-	0.1%	-	-	99.3%	0.7%	0.1%	5.6	197	164	39.3%	-	-	0.2%	-
1997	99.9%	-	0.1%	-	-	99.5%	0.5%	0.1%	5.7	199	169	39.6%	-	-	0.4%	-
1998	99.9%	-	0.1%	-	-	99.8%	0.1%	0.1%	5.6	199	171	40.9%	-	-	0.8%	-
1999	99.9%	-	0.1%	-	-	99.9%	0.1%	0.1%	5.8	203	179	43.4%	-	-	1.4%	-
2000	99.8%	0.0%	0.1%	-	-	99.8%	0.0%	0.1%	5.7	200	181	44.8%	15.0%	-	1.3%	-
2001	99.7%	0.1%	0.1%	-	-	99.9%	-	0.1%	5.8	201	187	49.0%	19.6%	-	2.0%	-
2002	99.6%	0.2%	0.2%	-	-	99.8%	-	0.2%	5.8	203	195	53.3%	25.3%	-	2.2%	-
2003	99.5%	0.3%	0.2%	-	-	99.8%	-	0.2%	5.8	204	199	55.5%	30.6%	-	1.2%	-
2004	99.4%	0.5%	0.1%	-	-	99.9%	-	0.1%	5.9	212	211	62.3%	38.5%	-	2.3%	-
2005	98.6%	1.1%	0.3%	-	-	99.7%	-	0.3%	5.8	205	209	65.6%	45.8%	0.8%	1.7%	-
2006	98.1%	1.5%	0.4%	-	-	99.6%	-	0.4%	5.7	204	213	71.7%	55.4%	3.6%	2.1%	-
2007	97.7%	2.2%	0.1%	-	-	99.8%	-	0.1%	5.6	203	217	71.7%	57.3%	7.3%	2.5%	-
2008	97.4%	2.5%	0.1%	-	2.3%	97.6%	-	0.1%	5.6	199	219	76.4%	58.2%	6.7%	3.0%	-
2009	97.2%	2.3%	0.5%	-	4.2%	95.2%	-	0.5%	5.2	183	208	83.8%	71.5%	7.3%	3.3%	-
2010	95.5%	3.8%	0.7%	-	8.3%	91.0%	-	0.7%	5.3	188	214	85.5%	83.8%	6.4%	3.3%	-
2011	97.1%	2.2%	0.8%	-	15.4%	83.8%	-	0.8%	5.4	192	230	86.4%	93.1%	9.5%	6.8%	-
2012	95.9%	3.1%	0.9%	-	22.6%	76.5%	-	0.9%	5.1	181	222	91.9%	96.7%	8.1%	8.4%	0.6%
2013	95.5%	3.6%	0.9%	-	30.7%	68.4%	-	0.9%	5.1	176	226	93.1%	97.7%	7.7%	14.0%	2.3%
2014	96.3%	2.6%	1.0%	-	37.7%	61.3%	-	1.0%	5.1	180	231	89.4%	97.9%	10.7%	14.9%	5.1%
2015	96.6%	2.4%	1.0%	-	42.2%	56.9%	-	1.0%	5.0	177	229	91.6%	97.7%	10.6%	15.8%	7.2%
2016	97.7%	1.9%	0.5%	-	48.3%	51.3%	-	0.5%	5.0	174	230	92.7%	98.6%	10.5%	20.0%	9.6%
2017 (prelim)	*96.3%*	*3.3%*	*0.3%*	-	*51.5%*	*48.2%*	-	*0.3%*	*5.0*	*171*	*232*	*92.4%*	*98.8%*	*12.3%*	*25.2%*	*16.8%*

Table 5.3.2

Engine Technologies and Parameters, Car Only, AFVs Excluded

	Powertrain			Fuel Delivery Method					Avg.							
Model Year	Gasoline	Gasoline Hybrid	Diesel	Carbureted	GDI	Port	TBI	Diesel	No. of Cylinders	CID	HP	Multi-Valve	VVT	CD	Turbo	Stop/ Start
1975	99.8%	-	0.2%	94.6%	-	5.1%	-	0.2%	6.7	288	136	-	-	-	-	-
1976	99.7%	-	0.3%	96.6%	-	3.2%	-	0.3%	6.8	287	134	-	-	-	-	-
1977	99.5%	-	0.5%	95.3%	-	4.2%	-	0.5%	6.9	279	133	-	-	-	-	-
1978	99.1%	-	0.9%	94.0%	-	5.1%	-	0.9%	6.5	251	124	-	-	-	-	-
1979	97.9%	-	2.1%	93.2%	-	4.7%	-	2.1%	6.4	238	119	-	-	-	-	-
1980	95.6%	-	4.4%	88.7%	-	6.2%	0.7%	4.4%	5.5	188	100	-	-	-	-	-
1981	94.1%	-	5.9%	85.3%	-	6.1%	2.6%	5.9%	5.4	182	99	-	-	-	-	-
1982	95.3%	-	4.7%	78.4%	-	7.2%	9.8%	4.7%	5.2	175	99	-	-	-	-	-
1983	97.9%	-	2.1%	69.7%	-	9.4%	18.8%	2.1%	5.4	182	104	-	-	-	-	-
1984	98.3%	-	1.7%	59.1%	-	14.9%	24.3%	1.7%	5.3	179	106	-	-	-	-	-
1985	99.1%	-	0.9%	46.0%	-	21.3%	31.8%	0.9%	5.3	177	111	-	-	-	-	-
1986	99.7%	-	0.3%	34.4%	-	36.5%	28.7%	0.3%	5.1	167	111	4.7%	-	-	-	-
1987	99.8%	-	0.2%	26.5%	-	42.4%	30.8%	0.2%	5.0	162	113	14.6%	-	-	-	-
1988	100.0%	-	0.0%	16.1%	-	53.7%	30.2%	0.0%	5.0	161	116	19.7%	-	-	-	-
1989	100.0%	-	0.0%	9.6%	-	62.2%	28.1%	0.0%	5.1	163	121	24.1%	-	-	-	-
1990	100.0%	-	0.0%	1.4%	-	77.4%	21.2%	0.0%	5.1	163	129	32.8%	0.6%	-	-	-
1991	99.9%	-	0.1%	0.1%	-	77.2%	22.6%	0.1%	5.1	164	133	33.2%	2.4%	-	-	-
1992	99.9%	-	0.1%	0.0%	-	88.9%	11.0%	0.1%	5.2	171	141	34.0%	4.4%	-	-	-
1993	100.0%	-	-	0.0%	-	91.5%	8.5%	-	5.2	170	140	34.8%	4.5%	-	-	-
1994	100.0%	-	0.0%	-	-	94.8%	5.2%	0.0%	5.2	169	144	39.9%	7.7%	-	-	-
1995	99.9%	-	0.1%	-	-	98.6%	1.3%	0.1%	5.2	168	153	51.4%	9.6%	-	-	-
1996	99.9%	-	0.1%	-	-	98.8%	1.1%	0.1%	5.2	167	155	56.4%	11.3%	-	0.3%	-
1997	99.9%	-	0.1%	-	-	99.2%	0.8%	0.1%	5.1	165	156	58.4%	10.8%	-	0.7%	-
1998	99.8%	-	0.2%	-	-	99.7%	0.1%	0.2%	5.2	167	160	59.6%	17.4%	-	1.4%	-
1999	99.8%	-	0.2%	-	-	99.8%	0.1%	0.2%	5.2	168	164	63.2%	16.4%	-	2.5%	-
2000	99.7%	0.1%	0.2%	-	-	99.7%	0.1%	0.2%	5.2	168	168	63.2%	22.2%	-	2.2%	-
2001	99.5%	0.2%	0.2%	-	-	99.8%	-	0.2%	5.2	167	169	65.3%	26.9%	-	3.3%	-
2002	99.3%	0.3%	0.4%	-	-	99.6%	-	0.4%	5.1	167	173	69.9%	32.8%	-	3.9%	-
2003	99.1%	0.6%	0.3%	-	-	99.7%	-	0.3%	5.1	166	176	73.4%	39.8%	-	2.0%	-
2004	98.9%	0.9%	0.3%	-	-	99.7%	-	0.3%	5.2	170	184	77.1%	43.7%	-	3.6%	-
2005	97.6%	1.9%	0.4%	-	-	99.6%	-	0.4%	5.1	168	183	77.2%	49.4%	1.0%	2.4%	-
2006	97.9%	1.5%	0.6%	-	-	99.4%	-	0.6%	5.2	173	194	81.3%	58.2%	2.0%	3.2%	-
2007	96.7%	3.2%	0.0%	-	-	99.7%	-	0.0%	5.0	167	191	84.6%	63.3%	0.9%	3.6%	-
2008	96.7%	3.3%	0.1%	-	3.1%	96.9%	-	0.1%	5.0	166	194	88.0%	62.7%	2.0%	4.5%	-
2009	96.4%	2.9%	0.6%	-	4.2%	95.2%	-	0.6%	4.7	157	186	92.2%	79.1%	1.8%	4.0%	-
2010	93.5%	5.6%	0.9%	-	9.2%	89.9%	-	0.9%	4.7	158	190	93.8%	91.8%	2.1%	4.1%	-
2011	95.6%	3.4%	0.9%	-	18.4%	80.7%	-	0.9%	4.7	161	200	94.6%	94.9%	1.3%	8.2%	-
2012	94.3%	4.7%	1.0%	-	27.6%	71.4%	-	1.0%	4.6	151	192	98.2%	97.7%	1.7%	9.7%	0.9%
2013	93.5%	5.4%	1.1%	-	37.7%	61.2%	-	1.1%	4.5	147	197	98.5%	98.1%	1.9%	15.3%	3.0%
2014	94.5%	4.2%	1.3%	-	43.2%	55.5%	-	1.3%	4.5	148	198	98.1%	97.9%	2.2%	18.4%	6.8%
2015	95.1%	4.0%	0.8%	-	44.6%	54.6%	-	0.8%	4.4	146	197	98.4%	98.5%	2.2%	18.3%	8.3%
2016	97.2%	2.7%	0.1%	-	50.0%	49.9%	-	0.1%	4.4	142	196	98.5%	99.9%	2.1%	23.8%	9.1%
2017 (prelim)	*94.9%*	*4.9%*	*0.2%*	-	*54.1%*	*45.7%*	-	*0.2%*	*4.4*	*140*	*197*	*98.7%*	*99.6%*	*4.7%*	*30.1%*	*14.2%*

Table 5.3.3

Engine Technologies and Parameters, Truck Only, AFVs Excluded

	Powertrain			Fuel Delivery Method					Avg. No. of							
Model Year	Gasoline	Gasoline Hybrid	Diesel	Carbureted	GDI	Port	TBI	Diesel	Cylinders	CID	HP	Multi-Valve	VVT	CD	Turbo	Stop/ Start
1975	100.0%	-	-	99.9%	-	-	0.1%	-	7.3	311	142	-	-	-	-	-
1976	100.0%	-	-	99.9%	-	-	0.1%	-	7.3	320	141	-	-	-	-	-
1977	100.0%	-	-	99.9%	-	-	0.1%	-	7.3	318	147	-	-	-	-	-
1978	99.2%	-	0.8%	99.1%	-	-	0.1%	0.8%	7.3	315	146	-	-	-	-	-
1979	98.2%	-	1.8%	97.9%	-	-	0.3%	1.8%	7.1	299	138	-	-	-	-	-
1980	96.5%	-	3.5%	94.9%	-	-	1.7%	3.5%	6.2	248	121	-	-	-	-	-
1981	94.4%	-	5.6%	93.3%	-	-	1.1%	5.6%	6.2	247	119	-	-	-	-	-
1982	90.6%	-	9.4%	89.9%	-	-	0.7%	9.4%	6.3	244	120	-	-	-	-	-
1983	95.2%	-	4.8%	94.6%	-	-	0.6%	4.8%	6.1	232	118	-	-	-	-	-
1984	97.6%	-	2.4%	95.0%	-	2.0%	0.6%	2.4%	6.0	225	118	-	-	-	-	-
1985	98.9%	-	1.1%	86.5%	-	8.9%	3.5%	1.1%	6.0	225	124	-	-	-	-	-
1986	99.3%	-	0.7%	59.4%	-	22.1%	17.8%	0.7%	5.7	212	123	-	-	-	-	-
1987	99.7%	-	0.3%	33.6%	-	33.3%	32.8%	0.3%	5.7	211	131	-	-	-	-	-
1988	99.8%	-	0.2%	12.4%	-	43.2%	44.3%	0.2%	6.0	228	141	-	-	-	-	-
1989	99.8%	-	0.2%	6.5%	-	45.9%	47.5%	0.2%	6.0	234	146	-	-	-	-	-
1990	99.8%	-	0.2%	3.8%	-	55.0%	40.9%	0.2%	6.2	237	151	-	-	-	-	-
1991	99.9%	-	0.1%	1.7%	-	55.3%	42.8%	0.1%	6.0	229	150	-	-	-	-	-
1992	99.9%	-	0.1%	1.6%	-	65.7%	32.6%	0.1%	6.1	236	155	-	-	-	-	-
1993	100.0%	-	-	1.0%	-	71.5%	27.5%	-	6.1	235	160	-	-	-	-	-
1994	100.0%	-	-	0.4%	-	76.2%	23.4%	-	6.2	241	166	5.2%	-	-	-	-
1995	100.0%	-	-	-	-	79.4%	20.6%	-	6.2	245	168	8.0%	-	-	-	-
1996	99.9%	-	0.1%	-	-	99.9%	-	0.1%	6.3	245	179	11.2%	-	-	-	-
1997	100.0%	-	0.0%	-	-	100.0%	-	0.0%	6.5	251	189	11.1%	-	-	-	-
1998	100.0%	-	0.0%	-	-	100.0%	-	0.0%	6.3	244	188	14.8%	-	-	-	-
1999	100.0%	-	0.0%	-	-	100.0%	-	0.0%	6.5	252	199	15.7%	-	-	-	-
2000	100.0%	-	-	-	-	100.0%	-	-	6.5	245	199	18.6%	4.6%	-	-	-
2001	100.0%	-	-	-	-	100.0%	-	-	6.6	249	212	25.9%	9.3%	-	-	-
2002	100.0%	-	-	-	-	100.0%	-	-	6.6	249	223	32.8%	16.0%	-	-	-
2003	100.0%	-	-	-	-	100.0%	-	-	6.6	248	224	34.6%	19.7%	-	0.2%	-
2004	100.0%	0.0%	0.0%	-	-	100.0%	-	0.0%	6.7	258	240	46.2%	32.9%	-	0.8%	-
2005	99.8%	0.1%	0.1%	-	-	99.9%	-	0.1%	6.6	251	242	51.1%	41.2%	0.5%	0.7%	-
2006	98.4%	1.5%	0.1%	-	-	99.9%	-	0.1%	6.5	247	240	58.4%	51.5%	5.9%	0.6%	-
2007	99.1%	0.8%	0.1%	-	-	99.9%	-	0.1%	6.6	253	254	53.3%	48.7%	16.4%	1.0%	-
2008	98.5%	1.3%	0.2%	-	1.1%	98.7%	-	0.2%	6.4	246	254	59.5%	51.6%	13.5%	1.0%	-
2009	98.8%	0.9%	0.3%	-	4.2%	95.4%	-	0.3%	6.2	236	252	66.7%	56.0%	18.3%	1.7%	-
2010	98.8%	0.9%	0.4%	-	6.8%	92.9%	-	0.4%	6.2	237	253	71.5%	70.5%	13.8%	1.8%	-
2011	99.1%	0.4%	0.5%	-	11.3%	88.1%	-	0.5%	6.2	236	271	75.2%	90.7%	20.6%	4.9%	-
2012	98.9%	0.4%	0.7%	-	13.5%	85.8%	-	0.7%	6.2	234	276	80.6%	94.9%	19.6%	6.1%	0.2%
2013	99.1%	0.4%	0.5%	-	18.4%	81.1%	-	0.5%	6.1	228	277	83.5%	96.9%	18.0%	11.7%	1.1%
2014	99.0%	0.4%	0.6%	-	29.7%	69.6%	-	0.6%	6.0	227	277	76.9%	98.0%	22.9%	9.9%	2.5%
2015	98.6%	0.3%	1.1%	-	39.0%	59.9%	-	1.1%	5.9	218	271	82.7%	96.7%	21.7%	12.6%	5.6%
2016	98.3%	0.8%	1.0%	-	46.1%	53.0%	-	1.0%	5.7	212	272	85.6%	96.9%	20.7%	15.2%	10.4%
2017 (prelim)	*98.3%*	*1.2%*	*0.5%*	-	*48.1%*	*51.4%*	-	*0.5%*	*5.8*	*214*	*279*	*83.9%*	*97.7%*	*22.7%*	*18.7%*	*20.3%*

C. Trends in Alternative Fuel Vehicles

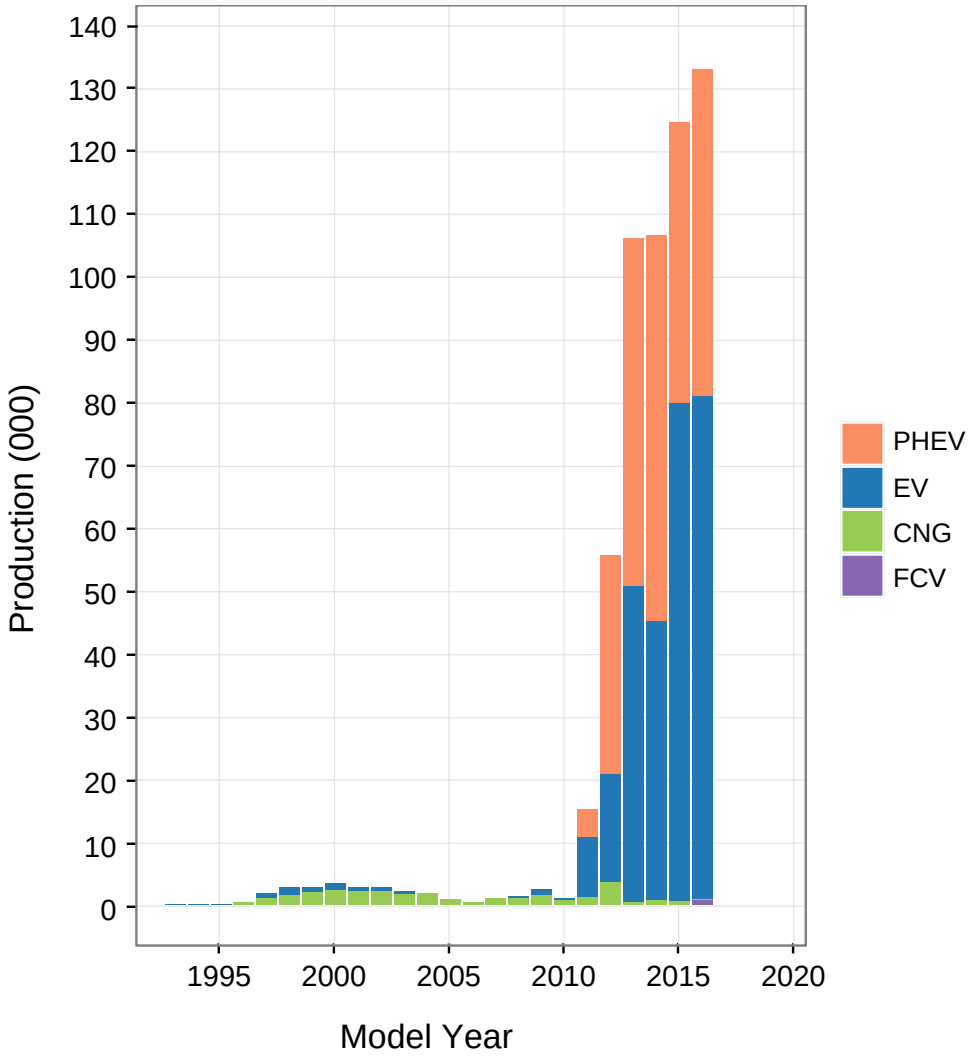
Alternative fuel vehicles have a long history in the U.S. automotive market. Electric vehicles, for example, were available at least as far back as the early 1900s. Gasoline and diesel vehicles, however, have long dominated new light vehicles sales. Over the course of this report, OEM vehicles that operate frequently on alternative fuels have been available only in small numbers,[5] though those limited production vehicles have in some cases created significant consumer and media interest. AFVs are projected to surpass 1% of production in MY 2017 (see Table 5.1), though we will not have final production data until next year's report.

As shown in Figure 5.15, the production of AFVs has increased dramatically in recent years. Prior to MY 2011, the AFVs available to consumers were only available in small numbers, and generally only as lease vehicles. The AFV market began to change in MY 2011, with the introduction of several new vehicles, including the high profile launches of the Chevrolet Volt plug in hybrid electric vehicle (PHEV) and the Nissan Leaf electric vehicle (EV). In MY 2017, there are now 19 PHEVs available, 16 EVs, and 3 fuel cell vehicles. Dedicated CNG vehicles have been available from at least one OEM with some regularity, but have never sold more than a few thousand vehicles in any year. Figure 5.15 shows the historical sales of EVs, PHEVs, and dedicated CNG vehicles since 1995 (we do not have reliable data on alternative fuel vehicles back to 1975).

[5] Millions of ethanol FFVs have been sold in recent years, but these vehicles have operated primarily on gasoline.

Figure 5.15

Historical Production of EVs, PHEVs, FCVs, and CNG Vehicles, MY 1995–2016



Consistent with the rest of this report, Figure 5.15 was largely compiled from manufacturer CAFE submissions. Some of the historical production data was supplemented with data from Ward's and other publically available production data[6]. The data only includes offerings from OEMs, and does not include data on vehicles converted to alternative fuels in the aftermarket. For a more detailed description of individual AFVs and the parameters used to measure fuel economy and emissions, see section 7.

[6] Some dual fuel CNG vehicles sold in the early 2000s are not included as sales data were not available.

D. Trends in Transmission Types

Transmission technologies have been rapidly evolving in new light duty vehicles. New transmission technologies have been gaining market share, and nearly all transmission types have been increasing the number of gears. Dual clutch transmission (DCTs), continuously variable transmissions (CVTs), and automatic transmissions with greater numbers of gears are increasing production shares across the fleet. This section presents analysis of trends in transmission technologies, including AFVs.

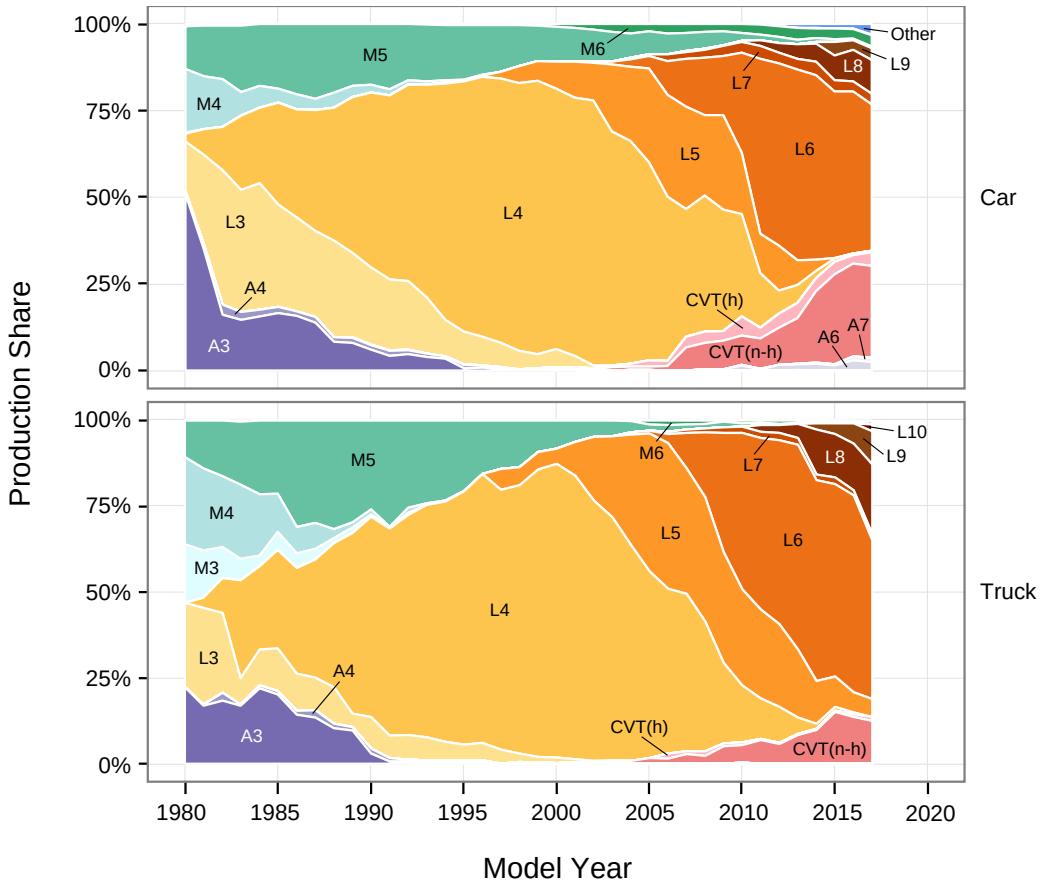
Figure 5.16 shows the evolution of transmission production share for cars and trucks since MY 1980. For this analysis, transmissions are separated into manual transmissions, CVTs, and automatic transmissions. Automatic transmissions are further separated into those with and without lockup mechanisms, which can lock up the torque converter in an automatic transmission under certain driving conditions and improve efficiency. CVT transmissions have also been split into hybrid and non-hybrid versions to reflect the fact that hybrid CVT transmissions are generally very different mechanically from traditional CVT transmissions.

Dual clutch transmissions (DCTs) are essentially automatic transmissions that operate internally much more like traditional manual transmissions. The two main advantages of DCTs are that they can shift very quickly and they can avoid some of the internal resistance of a traditional automatic transmission by eliminating the torque converter. Currently, automaker submissions to EPA do not explicitly identify DCTs as a separate transmission category. Thus, the introduction of DCTs shows up in Tables 5.4.1 through 5.4.3 as a slight increase in automatic transmissions without torque converters (although some DCTs may still be reported as traditional automatic transmissions). EPA's long-term goal is to improve DCT data collection, and transmission classifications in general, to be able to quantify DCTs in future Trends reports.

Figure 5.16 shows transmission production share for the individual car and truck fleets, beginning with MY 1980, because EPA has incomplete data on the number of transmission gears for MY 1975 through 1978. In the early 1980s, 3 speed automatic transmissions, both with and without lockup torque converters (shown as L3 and A3 in Figure 5.16) were the most popular transmissions, but by MY 1985, the 4 speed automatic transmission with lockup (L4) became the most popular transmission, a position it would hold for 25 years. Over 80% of all new vehicles produced in MY 1999 were equipped with an L4 transmission. After MY 1999, the production share of L4 transmissions slowly decreased as L5 and L6 transmissions were introduced into the market. Production of L5 and L6 transmissions combined passed the production of L4 transmissions in MY 2007. Interestingly, 5 speed transmissions were never the leading transmission technology in terms of production share.

Figure 5.16

Transmission Production Share



Transmission	Lockup?	Number of Gears	Key
Automatic Semi-Automatic Automated Manual	No	3	A3
		4	A4
		5	A5
		6	A6
		7	A7
		8	A8*
	Yes	2	L2*
		3	L3
		4	L4
		5	L5
		6	L6
		7	L7
		8	L8
		9	
		10	
Manual	–	3	M3
		4	M4
		5	M5
		6	M6
		7	M7*
Continuously Variable (non-hybrid)	–	–	CVT(n-h)
Continuously Variable (hybrid)	–	–	CVT(h)
Other	–	–	Other

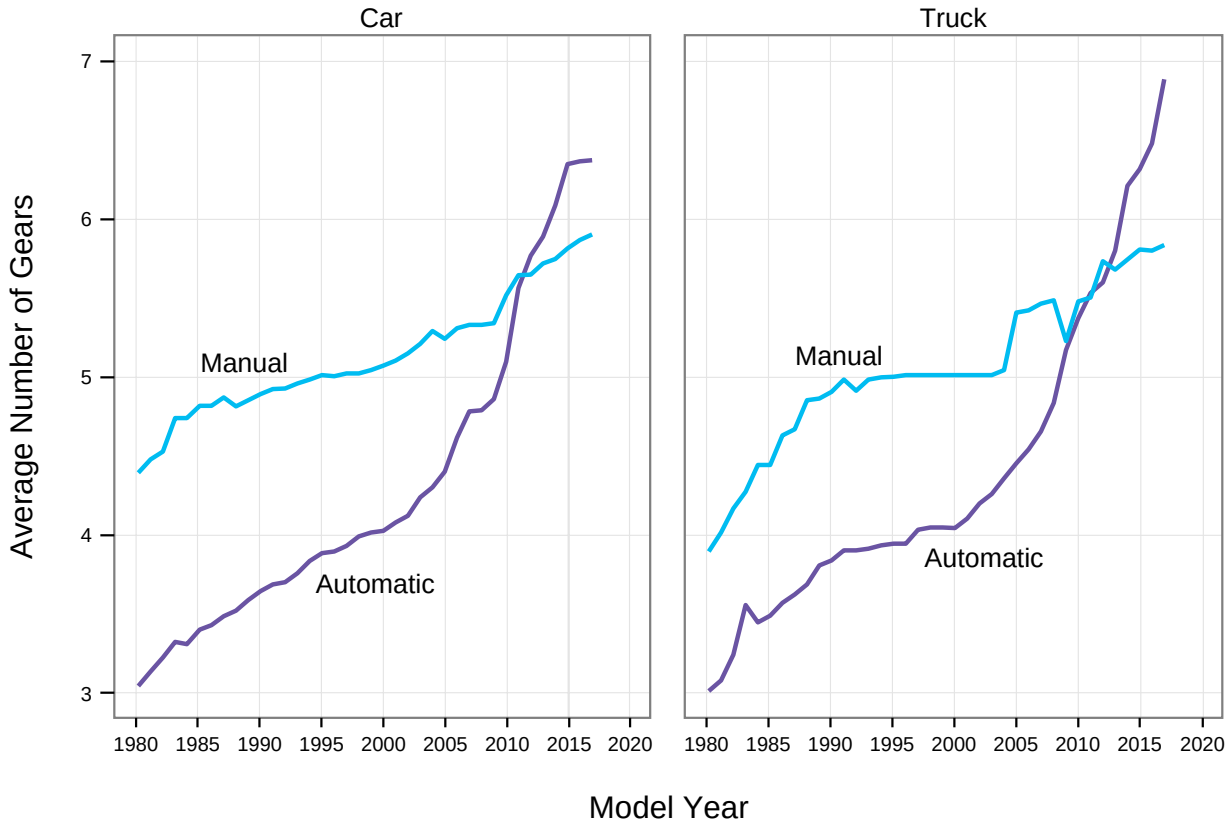
*Categories A8, L2, and M7 are too small to depict in the area plot.

Six speed transmissions became the most popular transmission choice in MY 2010 and reached 60% of new vehicle production in MY 2013. However, six speed transmissions may already have peaked, as transmissions with more than six speeds and CVTs have begun to expand quickly. CVTs are projected to be installed in almost 25% of all new vehicles in MY 2016 (including hybrids). This is a significant increase considering that, as recently as MY 2006, CVTs were installed on less than 2% of vehicles produced. Transmissions with 7 or more speeds are also projected to be installed in almost 25% of vehicles in MY 2017, and are also quickly increasing. Manufacturers are publicly discussing the development of transmissions with as many as 10 or more gears, so this is a trend that the authors also expect to continue.

Figure 5.17 shows the average number of gears in new vehicle transmissions since MY 1980 for automatic and manual transmissions. During that time, the average number of gears in a new vehicle has grown from 3.5 to a projected level of 6.1 in MY 2017. The average number of gears in new vehicles is climbing for car, trucks, automatic transmissions, and manual transmissions.

Figure 5.17

Average Number of Transmission Gears for New Vehicles

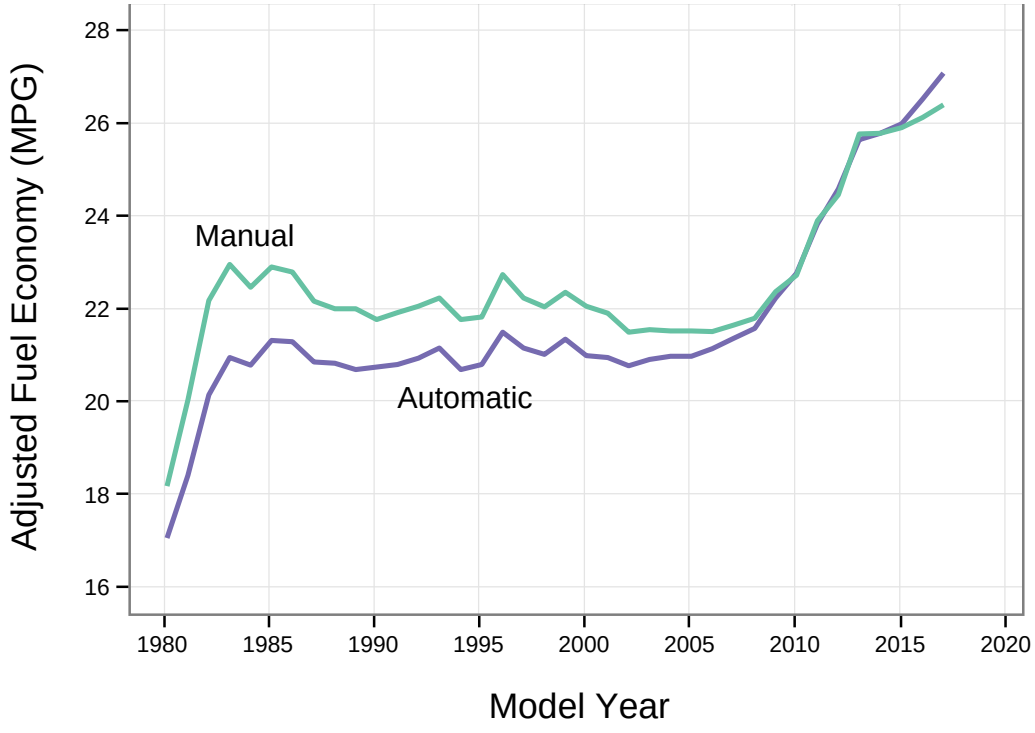


In MY 1980, automatic transmissions, on average, had fewer gears than manual transmissions. However, automatic transmissions have added gears faster than manual transmissions and now the average automatic transmission has more gears than the average manual transmission. There has also been a large shift away from manual transmissions. Manual transmission production peaked in MY 1980 at nearly 35% of production, and has since fallen to 2.2% in MY 2016. Today, manual transmissions are used primarily in small vehicles, some sports cars, and a few pickups.

In the past, automatic transmissions have generally been less efficient than manual transmissions, largely due to inefficiencies in the automatic transmission torque converter. Figure 5.18 examines this trend over time by comparing the fuel economy of automatic and manual transmission options where both transmissions were available in one model with the same engine. The average fuel economy of vehicles with automatic transmissions appears to have increased to a point where it is now slightly higher than the average fuel economy of vehicles with manual transmissions. Two contributing factors to this trend are that automatic transmission design has become more efficient (using earlier lockup and other strategies), and the number of gears used in automatic transmissions has increased faster than in manual transmissions.

Figure 5.18

Comparison of Manual and Automatic Transmission Adjusted Fuel Economy



E. Trends in Drive Types

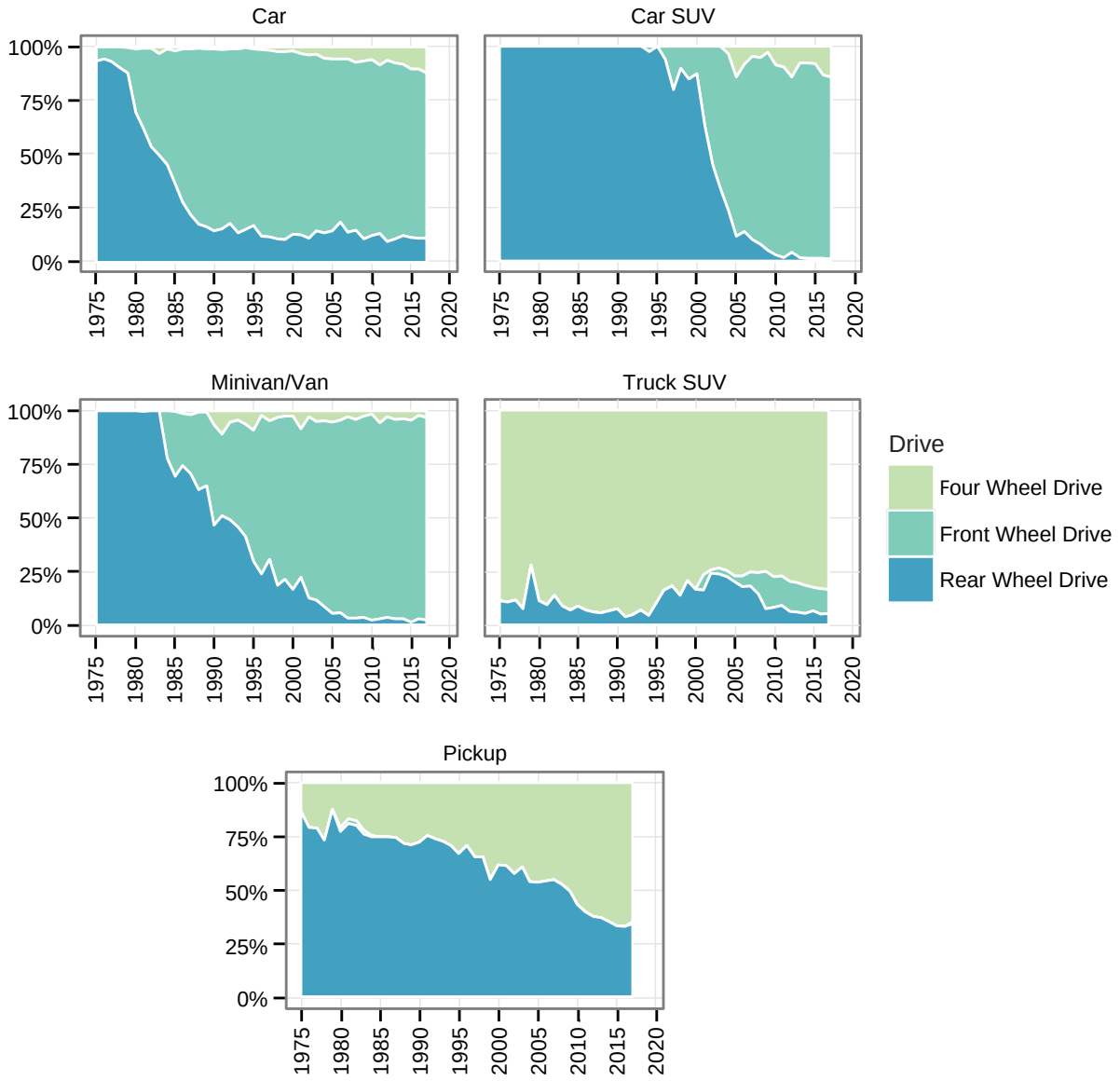
There has been a long and steady trend in new vehicle drive type away from rear wheel drive vehicles towards front wheel drive and four wheel drive vehicles, as shown in Figure 5.19. In MY 1975, over 91% of new vehicles were produced with rear wheel drive. During the 1980s, production of rear wheel drive vehicles fell rapidly, to 26% in MY 1990. Since then, production of rear wheel drive vehicles has continued to decline, albeit at a slower rate, to a projected 11% for MY 2017. Current production of rear wheel drive vehicles is mostly limited to pickup trucks and some performance vehicles.

As production of rear wheel drive vehicles declined, production of front wheel drive vehicles increased. Front wheel drive vehicle production was only 5.3% of new vehicle production in MY 1975, but it became the most popular drive technology across new vehicles in MY 1985, and has remained so to date. Since MY 1986, production of front wheel drive vehicles has remained, on average, at approximately 55% of production.

Four wheel drive vehicles (including all wheel drive), have slowly but steadily grown across new vehicle production. From 3.3% in MY 1975 to a projected 38% in MY 2017, four wheel drive production has steadily grown at approximately 0.6% per year, on average. The majority of four wheel drive vehicles are pickup trucks and truck SUVs, but there is also a small but slowly growing number of cars featuring four wheel drive (or more likely) all-wheel drive systems.

Figure 5.19

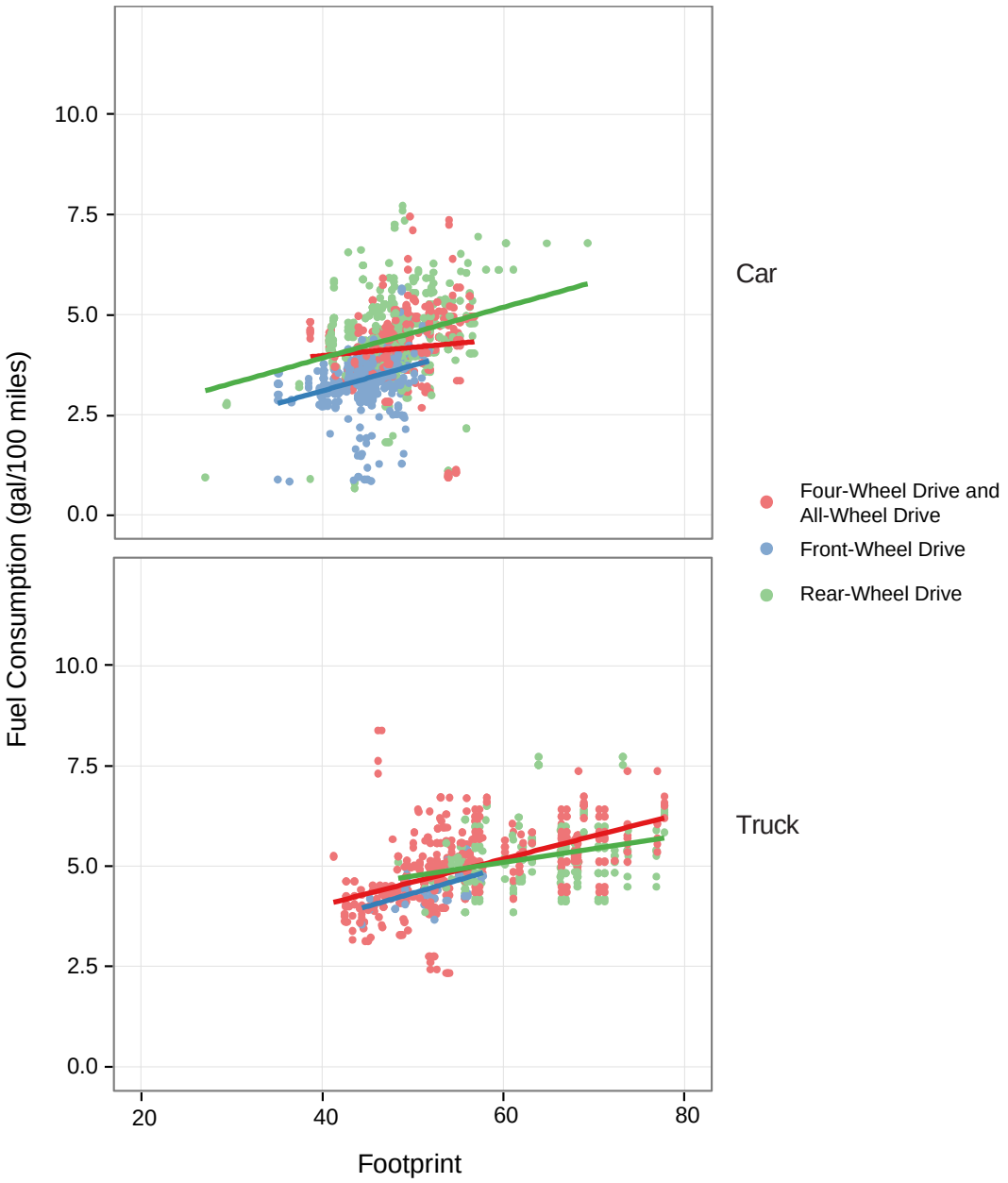
Front, Rear, and Four Wheel Drive Usage - Production Share by Vehicle Type



There are noticeable differences in fuel economy between vehicles with different drive types. Figure 5.20 shows the fuel consumption of MY 2015 vehicles separated by drive type and footprint. Rear wheel drive vehicles and four wheel drive vehicles have on average the same fuel consumption for equivalent footprint vehicles. Front wheel drive vehicles have much lower fuel consumption than rear wheel drive or four wheel drive vehicles of the same footprint. For 45 square foot vehicles, front wheel drive vehicles have fuel consumption about 20% lower. There are certainly other factors involved (rear wheel drive vehicles are likely more performance oriented, for example), but this is a noticeable trend across new vehicle production. The points in Figure 5.20 are generated for each combination of adjusted fuel consumption and footprint.

Figure 5.20

Differences in Adjusted Fuel Consumption Trends for FWD, RWD, and 4WD/AWD Vehicles, MY 2016



Tables 5.4.1, 5.4.2, and 5.4.3 summarize transmission production data by year for the combined car and truck fleet, cars only, and trucks only, respectively. Tables 5.5 summarizes the drive characteristics by year for the combined car and truck fleet, cars only, and trucks only, respectively.

Table 5.4.1

Transmission Technologies, Both Car and Truck

Model Year	Manual	Automatic with Lockup	Automatic without Lockup	CVT (Hybrid)	CVT (Non-Hybrid)	Other	4 Gears or Fewer	5 Gears	6 Gears	7 Gears	8 Gears	9+ Gears	CVT (Hybrid)	CVT (Non-Hybrid)	Average Number of Gears
1975	23.0%	0.2%	76.8%	-	-	-	99.0%	1.0%	-	-	-	-	-	-	-
1976	20.9%	-	79.1%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1977	19.8%	-	80.2%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1978	22.7%	5.5%	71.9%	-	-	-	92.7%	7.3%	-	-	-	-	-	-	-
1979	24.2%	7.3%	68.1%	-	-	0.4%	93.8%	6.2%	-	-	-	-	-	-	3.3
1980	34.6%	18.1%	46.8%	-	-	0.5%	87.9%	12.1%	-	-	-	-	-	-	3.5
1981	33.6%	33.0%	32.9%	-	-	0.5%	85.6%	14.4%	-	-	-	-	-	-	3.5
1982	32.4%	47.8%	19.4%	-	-	0.4%	84.4%	15.6%	-	-	-	-	-	-	3.6
1983	30.5%	52.1%	17.0%	-	-	0.4%	80.9%	19.1%	-	-	-	-	-	-	3.7
1984	28.4%	52.8%	18.8%	-	-	0.0%	81.3%	18.7%	-	-	-	-	-	-	3.7
1985	26.5%	54.5%	19.1%	-	-	-	80.7%	19.3%	-	-	-	-	-	-	3.8
1986	29.8%	53.5%	16.7%	-	-	-	76.8%	23.2%	-	-	-	-	-	-	3.8
1987	29.1%	55.4%	15.5%	-	-	0.0%	76.2%	23.8%	-	-	-	-	-	-	3.9
1988	27.6%	62.2%	10.2%	-	-	-	76.8%	23.2%	-	-	-	-	-	-	3.9
1989	24.6%	65.5%	9.9%	-	0.1%	0.0%	78.5%	21.4%	0.0%	-	-	-	-	0.1%	3.9
1990	22.2%	71.2%	6.5%	-	0.0%	0.0%	79.9%	20.0%	0.1%	-	-	-	-	0.0%	4.0
1991	23.9%	71.6%	4.5%	-	0.0%	-	77.3%	22.6%	0.0%	-	-	-	-	0.0%	4.0
1992	20.7%	74.8%	4.5%	-	0.0%	-	80.8%	19.2%	0.1%	-	-	-	-	0.0%	4.0
1993	19.8%	76.5%	3.7%	-	0.0%	-	80.9%	19.0%	0.1%	-	-	-	-	0.0%	4.0
1994	19.5%	77.6%	3.0%	-	-	-	80.8%	19.0%	0.2%	-	-	-	-	-	4.1
1995	17.9%	80.7%	1.4%	-	-	-	82.0%	17.7%	0.2%	-	-	-	-	-	4.1
1996	15.2%	83.5%	1.3%	-	0.0%	0.0%	84.7%	15.1%	0.2%	-	-	-	-	0.0%	4.1
1997	14.0%	85.5%	0.5%	-	0.0%	-	82.4%	17.3%	0.2%	-	-	-	-	0.0%	4.1
1998	12.8%	86.7%	0.5%	-	0.0%	-	82.1%	17.7%	0.2%	-	-	-	-	0.0%	4.1
1999	10.1%	89.4%	0.5%	-	0.0%	-	84.4%	15.3%	0.3%	-	-	-	-	0.0%	4.1
2000	9.7%	89.5%	0.7%	-	0.0%	-	83.7%	15.8%	0.5%	-	-	-	-	0.0%	4.1
2001	9.0%	90.3%	0.6%	0.1%	0.0%	-	80.7%	18.5%	0.7%	-	-	-	0.1%	0.0%	4.2
2002	8.2%	91.4%	0.3%	0.1%	0.1%	-	77.1%	21.6%	1.1%	-	-	-	0.1%	0.1%	4.2
2003	8.0%	90.8%	0.1%	0.3%	0.8%	-	69.2%	28.1%	1.7%	-	-	-	0.3%	0.8%	4.3
2004	6.8%	91.8%	0.3%	0.4%	0.7%	-	63.9%	31.8%	3.0%	0.2%	-	-	0.4%	0.7%	4.4
2005	6.2%	91.5%	0.1%	1.0%	1.3%	-	56.0%	37.3%	4.1%	0.2%	-	-	1.0%	1.3%	4.5
2006	6.5%	90.6%	0.0%	1.5%	1.4%	-	47.7%	39.2%	8.8%	1.4%	-	-	1.5%	1.4%	4.6
2007	5.6%	87.1%	0.0%	2.1%	5.1%	-	40.5%	36.1%	14.4%	1.5%	0.2%	-	2.1%	5.1%	4.8
2008	5.2%	86.8%	0.2%	2.4%	5.5%	-	38.8%	31.9%	19.4%	1.8%	0.2%	-	2.4%	5.5%	4.8
2009	4.8%	85.6%	0.2%	2.1%	7.3%	-	31.2%	32.2%	24.5%	2.5%	0.1%	-	2.1%	7.3%	5.0
2010	3.8%	84.1%	1.2%	3.8%	7.2%	-	24.6%	23.5%	38.1%	2.7%	0.2%	-	3.8%	7.2%	5.2
2011	3.2%	86.5%	0.3%	2.0%	8.0%	-	14.2%	18.7%	52.3%	3.1%	1.7%	-	2.0%	8.0%	5.5
2012	3.6%	83.4%	1.1%	2.7%	9.2%	-	8.1%	18.2%	56.3%	2.8%	2.6%	-	2.7%	9.2%	5.5
2013	3.5%	80.4%	1.4%	2.9%	11.8%	-	5.4%	12.8%	60.1%	2.8%	4.1%	-	2.9%	11.8%	5.6
2014	2.8%	76.7%	1.6%	2.3%	16.6%	-	2.2%	7.8%	58.4%	3.3%	8.4%	1.1%	2.3%	16.6%	5.9
2015	2.6%	72.3%	1.4%	2.2%	21.5%	-	1.5%	4.5%	54.2%	3.1%	9.5%	3.5%	2.2%	21.5%	5.9
2016	2.2%	72.4%	2.6%	1.7%	21.1%	-	1.1%	3.0%	54.9%	2.9%	11.3%	4.1%	1.7%	21.1%	6.0
2017 (prelim)	*2.7%*	*70.2%*	*3.0%*	*2.8%*	*21.3%*	-	*1.3%*	*2.6%*	*47.6%*	*3.4%*	*14.3%*	*5.9%*	*2.8%*	*21.3%*	*6.1*

Table 5.4.2

Transmission Technologies, Car Only

Model Year	Manual	Automatic with Lockup	Automatic without Lockup	CVT (Hybrid)	CVT (Non-Hybrid)	Other	4 Gears or Fewer	5 Gears	6 Gears	7 Gears	8 Gears	9+ Gears	CVT (Hybrid)	CVT (Non-Hybrid)	Average Number of Gears
1975	19.7%	0.3%	80.0%	-	-	-	98.7%	1.3%	-	-	-	-	-	-	-
1976	17.2%	-	82.8%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1977	16.9%	-	83.1%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1978	19.9%	7.1%	73.0%	-	-	-	90.7%	9.3%	-	-	-	-	-	-	-
1979	21.1%	8.8%	69.6%	-	-	0.5%	93.1%	6.9%	-	-	-	-	-	-	3.3
1980	30.9%	16.8%	51.6%	-	-	0.6%	87.6%	12.4%	-	-	-	-	-	-	3.5
1981	29.9%	33.3%	36.2%	-	-	0.6%	85.5%	14.5%	-	-	-	-	-	-	3.5
1982	29.2%	51.3%	19.1%	-	-	0.5%	84.6%	15.4%	-	-	-	-	-	-	3.6
1983	26.0%	56.7%	16.8%	-	-	0.5%	80.8%	19.2%	-	-	-	-	-	-	3.7
1984	24.1%	58.3%	17.5%	-	-	0.0%	82.1%	17.9%	-	-	-	-	-	-	3.7
1985	22.8%	58.9%	18.4%	-	-	-	81.4%	18.6%	-	-	-	-	-	-	3.7
1986	24.7%	58.1%	17.1%	-	-	-	79.7%	20.3%	-	-	-	-	-	-	3.8
1987	24.8%	59.7%	15.5%	-	-	-	78.4%	21.6%	-	-	-	-	-	-	3.8
1988	24.3%	66.2%	9.5%	-	-	-	80.2%	19.8%	-	-	-	-	-	-	3.8
1989	21.1%	69.3%	9.5%	-	0.1%	-	81.9%	17.9%	0.0%	-	-	-	-	0.1%	3.9
1990	19.8%	72.8%	7.4%	-	0.0%	-	82.4%	17.5%	0.1%	-	-	-	-	0.0%	3.9
1991	20.6%	73.7%	5.7%	-	0.0%	-	81.0%	18.9%	0.1%	-	-	-	-	0.0%	3.9
1992	17.6%	76.4%	6.0%	-	0.0%	-	83.6%	16.3%	0.1%	-	-	-	-	0.0%	3.9
1993	17.5%	77.6%	4.9%	-	0.0%	-	83.2%	16.6%	0.2%	-	-	-	-	0.0%	4.0
1994	16.9%	78.9%	4.1%	-	-	-	83.4%	16.3%	0.3%	-	-	-	-	-	4.0
1995	16.3%	81.9%	1.8%	-	-	-	83.4%	16.2%	0.4%	-	-	-	-	-	4.1
1996	14.9%	83.6%	1.5%	-	0.0%	-	84.9%	14.7%	0.3%	-	-	-	-	0.0%	4.1
1997	13.9%	85.2%	0.8%	-	0.1%	-	84.1%	15.5%	0.3%	-	-	-	-	0.1%	4.1
1998	12.2%	87.4%	0.3%	-	0.1%	-	82.8%	16.8%	0.3%	-	-	-	-	0.1%	4.1
1999	10.8%	88.6%	0.6%	-	0.0%	-	83.4%	16.1%	0.5%	-	-	-	-	0.0%	4.1
2000	10.8%	88.1%	1.0%	-	0.0%	-	81.3%	17.9%	0.8%	-	-	-	-	0.0%	4.1
2001	11.0%	88.0%	0.8%	0.2%	0.0%	-	78.5%	20.2%	1.2%	-	-	-	0.2%	0.0%	4.2
2002	10.9%	88.4%	0.2%	0.3%	0.1%	-	77.4%	20.3%	1.9%	-	-	-	0.3%	0.1%	4.2
2003	10.9%	87.7%	-	0.5%	1.0%	-	67.5%	27.9%	3.1%	-	-	-	0.5%	1.0%	4.3
2004	9.8%	88.2%	0.2%	0.8%	0.9%	-	64.5%	28.4%	5.0%	0.4%	-	-	0.8%	0.9%	4.4
2005	8.8%	88.4%	0.1%	1.7%	1.1%	-	57.3%	33.7%	5.8%	0.4%	-	-	1.7%	1.1%	4.5
2006	8.8%	88.4%	0.1%	1.5%	1.2%	-	47.5%	35.4%	12.5%	1.9%	-	-	1.5%	1.2%	4.7
2007	7.8%	82.5%	0.0%	3.0%	6.7%	-	36.8%	34.7%	16.5%	1.9%	0.4%	-	3.0%	6.7%	4.8
2008	7.2%	81.7%	0.3%	3.2%	7.7%	-	39.3%	28.2%	19.0%	2.2%	0.4%	-	3.2%	7.7%	4.8
2009	6.2%	82.4%	0.3%	2.8%	8.3%	-	35.1%	31.4%	19.3%	2.9%	0.2%	-	2.8%	8.3%	4.9
2010	5.0%	79.4%	1.6%	5.5%	8.4%	-	29.5%	20.2%	33.0%	3.1%	0.3%	-	5.5%	8.4%	5.1
2011	4.6%	83.0%	0.5%	3.1%	8.8%	-	15.9%	12.9%	53.7%	3.9%	1.6%	-	3.1%	8.8%	5.6
2012	4.9%	78.4%	1.8%	4.0%	11.0%	-	6.9%	14.8%	57.2%	3.2%	2.9%	-	4.0%	11.0%	5.5
2013	4.8%	75.0%	2.2%	4.3%	13.7%	-	5.8%	8.6%	60.0%	3.3%	4.2%	-	4.3%	13.7%	5.5
2014	4.0%	68.4%	2.7%	3.7%	21.3%	-	2.6%	4.4%	58.0%	4.3%	5.2%	0.6%	3.7%	21.3%	5.8
2015	3.9%	63.9%	2.3%	3.6%	26.3%	-	1.8%	1.1%	52.4%	3.8%	7.3%	3.8%	3.6%	26.3%	5.9
2016	3.4%	62.4%	4.7%	2.4%	27.2%	-	1.5%	0.6%	52.5%	3.9%	9.2%	2.7%	2.4%	27.2%	5.8
2017 (prelim)	*4.0%*	*59.4%*	*5.1%*	*4.0%*	*27.6%*	-	*2.2%*	*0.6%*	*48.1%*	*4.4%*	*9.9%*	*3.3%*	*4.0%*	*27.6%*	*5.7*

Table 5.4.3

Transmission Technologies, Truck Only

Model Year	Manual	Automatic with Lockup	Automatic without Lockup	CVT (Hybrid)	CVT (Non-Hybrid)	Other	4 Gears or Fewer	5 Gears	6 Gears	7 Gears	8 Gears	9+ Gears	CVT (Hybrid)	CVT (Non-Hybrid	Average Number of Gears
1975	36.9%	-	63.1%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1976	34.7%	-	65.3%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1977	31.6%	-	68.4%	-	-	-	100.0%	-	-	-	-	-	-	-	-
1978	32.1%	-	67.9%	-	-	-	99.3%	0.7%	-	-	-	-	-	-	-
1979	35.1%	2.1%	62.8%	-	-	-	96.0%	4.0%	-	-	-	-	-	-	3.3
1980	53.0%	24.5%	22.4%	-	-	-	89.2%	10.8%	-	-	-	-	-	-	3.5
1981	51.6%	31.1%	17.3%	-	-	-	86.1%	13.9%	-	-	-	-	-	-	3.6
1982	45.9%	33.4%	20.7%	-	-	-	83.8%	16.2%	-	-	-	-	-	-	3.7
1983	46.3%	36.0%	17.4%	-	-	0.3%	81.6%	18.4%	-	-	-	-	-	-	3.9
1984	42.5%	34.6%	22.9%	-	-	0.0%	78.6%	21.4%	-	-	-	-	-	-	3.9
1985	37.6%	41.1%	21.2%	-	-	-	78.6%	21.4%	-	-	-	-	-	-	3.8
1986	43.0%	41.5%	15.5%	-	-	-	69.1%	30.9%	-	-	-	-	-	-	4.0
1987	40.5%	43.8%	15.7%	-	-	0.1%	70.1%	29.9%	-	-	-	-	-	-	4.0
1988	35.8%	52.5%	11.7%	-	-	-	68.4%	31.6%	-	-	-	-	-	-	4.1
1989	32.8%	56.4%	10.8%	-	-	0.0%	70.3%	29.7%	-	-	-	-	-	-	4.1
1990	28.1%	67.5%	4.4%	-	-	0.0%	74.1%	25.9%	-	-	-	-	-	-	4.1
1991	31.5%	66.8%	1.7%	-	-	-	69.0%	31.0%	-	-	-	-	-	-	4.2
1992	27.5%	71.3%	1.2%	-	-	-	74.6%	25.4%	-	-	-	-	-	-	4.2
1993	24.7%	74.2%	1.1%	-	-	-	76.0%	24.0%	-	-	-	-	-	-	4.2
1994	23.7%	75.3%	1.0%	-	-	-	76.7%	23.3%	-	-	-	-	-	-	4.2
1995	20.7%	78.5%	0.9%	-	-	-	79.6%	20.4%	-	-	-	-	-	-	4.2
1996	15.6%	83.4%	1.0%	-	-	0.0%	84.4%	15.6%	-	-	-	-	-	-	4.1
1997	14.1%	85.8%	0.1%	-	-	-	79.9%	20.1%	-	-	-	-	-	-	4.2
1998	13.6%	85.8%	0.6%	-	-	-	81.1%	18.9%	-	-	-	-	-	-	4.2
1999	9.2%	90.4%	0.4%	-	-	-	85.8%	14.2%	-	-	-	-	-	-	4.1
2000	8.2%	91.5%	0.3%	-	-	-	87.3%	12.7%	-	-	-	-	-	-	4.1
2001	6.3%	93.4%	0.3%	-	-	-	84.0%	16.0%	-	-	-	-	-	-	4.2
2002	4.7%	94.9%	0.3%	-	0.0%	-	76.7%	23.3%	-	-	-	-	-	0.0%	4.2
2003	4.6%	94.4%	0.3%	-	0.6%	-	71.1%	28.2%	-	-	-	-	-	0.6%	4.3
2004	3.5%	95.6%	0.3%	-	0.6%	-	63.2%	35.5%	0.8%	-	-	-	-	0.6%	4.4
2005	2.9%	95.3%	-	0.1%	1.7%	-	54.3%	41.9%	2.1%	-	-	-	0.1%	1.7%	4.5
2006	3.3%	93.7%	-	1.5%	1.6%	-	48.0%	44.3%	3.8%	0.8%	-	-	1.5%	1.6%	4.6
2007	2.6%	93.8%	-	0.7%	2.9%	-	45.8%	38.0%	11.5%	1.0%	-	-	0.7%	2.9%	4.7
2008	2.2%	94.1%	-	1.3%	2.3%	-	37.9%	37.4%	19.9%	1.2%	-	-	1.3%	2.3%	4.8
2009	2.0%	92.0%	-	0.9%	5.1%	-	23.4%	33.7%	35.2%	1.6%	-	-	0.9%	5.1%	5.2
2010	1.8%	91.9%	0.4%	0.8%	5.1%	-	16.4%	29.1%	46.7%	1.9%	-	-	0.8%	5.1%	5.4
2011	1.3%	91.4%	0.0%	0.4%	6.9%	-	11.9%	26.5%	50.5%	1.9%	1.9%	-	0.4%	6.9%	5.5
2012	1.4%	92.4%	-	0.3%	5.9%	-	10.4%	24.4%	54.6%	2.2%	2.2%	-	0.3%	5.9%	5.6
2013	1.1%	90.2%	-	0.4%	8.4%	-	4.7%	20.2%	60.3%	2.0%	4.0%	-	0.4%	8.4%	5.7
2014	0.9%	88.9%	-	0.3%	9.8%	-	1.5%	12.7%	59.1%	1.8%	13.0%	1.8%	0.3%	9.8%	6.1
2015	0.9%	83.6%	0.2%	0.3%	15.0%	-	1.1%	9.0%	56.7%	2.2%	12.5%	3.1%	0.3%	15.0%	6.0
2016	0.8%	84.8%	0.2%	0.8%	13.6%	-	0.6%	6.0%	57.9%	1.6%	13.8%	5.8%	0.8%	13.6%	6.2
2017 (prelim)	*0.8%*	*85.3%*	*0.2%*	*1.1%*	*12.6%*	-	-	*5.5%*	*46.7%*	*2.0%*	*20.5%*	*9.6%*	*1.1%*	*12.6%*	*6.5*

Table 5.5

Production Share by Drive Technology

	Car			Truck			Both		
Model Year	Front Wheel Drive	Rear Wheel Drive	Four Wheel Drive	Front Wheel Drive	Rear Wheel Drive	Four Wheel Drive	Front Wheel Drive	Rear Wheel Drive	Four Wheel Drive
1975	6.5%	93.5%	-	-	82.8%	17.2%	5.3%	91.4%	3.3%
1976	5.8%	94.2%	-	-	77.0%	23.0%	4.6%	90.6%	4.8%
1977	6.8%	93.2%	-	-	76.2%	23.8%	5.5%	89.8%	4.7%
1978	9.6%	90.4%	-	-	70.9%	29.1%	7.4%	86.0%	6.6%
1979	11.9%	87.8%	0.3%	-	81.9%	18.1%	9.2%	86.5%	4.3%
1980	29.7%	69.4%	0.9%	1.4%	73.6%	25.0%	25.0%	70.1%	4.9%
1981	37.0%	62.2%	0.7%	1.9%	78.0%	20.1%	31.0%	65.0%	4.0%
1982	45.6%	53.6%	0.8%	1.7%	78.1%	20.2%	37.0%	58.4%	4.6%
1983	47.1%	49.9%	3.1%	1.4%	72.5%	26.1%	37.0%	54.8%	8.1%
1984	53.5%	45.5%	1.0%	5.0%	63.5%	31.5%	42.1%	49.8%	8.2%
1985	61.1%	36.8%	2.1%	7.3%	61.4%	31.3%	47.8%	42.9%	9.3%
1986	70.7%	28.2%	1.0%	5.9%	63.4%	30.7%	52.6%	38.0%	9.3%
1987	76.4%	22.6%	1.1%	7.6%	60.2%	32.2%	57.7%	32.8%	9.6%
1988	80.9%	18.3%	0.8%	9.2%	56.7%	34.1%	60.0%	29.5%	10.5%
1989	81.6%	17.4%	1.0%	10.1%	57.1%	32.8%	60.2%	29.3%	10.5%
1990	84.0%	15.0%	1.0%	15.8%	52.4%	31.8%	63.8%	26.1%	10.1%
1991	81.1%	17.5%	1.3%	10.3%	52.3%	37.3%	59.6%	28.1%	12.3%
1992	78.4%	20.5%	1.1%	14.5%	52.1%	33.4%	58.4%	30.4%	11.2%
1993	80.6%	18.3%	1.1%	16.8%	50.6%	32.7%	59.9%	28.8%	11.3%
1994	81.3%	18.3%	0.4%	13.8%	47.0%	39.2%	55.6%	29.2%	15.2%
1995	80.1%	18.8%	1.1%	18.4%	39.3%	42.3%	57.6%	26.3%	16.2%
1996	83.7%	14.8%	1.4%	20.9%	39.8%	39.2%	60.0%	24.3%	15.7%
1997	83.8%	14.5%	1.7%	14.2%	40.6%	45.2%	56.1%	24.9%	19.0%
1998	82.9%	15.0%	2.1%	19.3%	35.5%	45.1%	56.4%	23.5%	20.1%
1999	83.2%	14.7%	2.1%	17.5%	34.4%	48.1%	55.8%	22.9%	21.3%
2000	80.4%	17.7%	2.0%	20.0%	33.8%	46.3%	55.5%	24.3%	20.2%
2001	80.3%	16.7%	3.0%	16.3%	34.8%	48.8%	53.8%	24.2%	22.0%
2002	82.9%	13.5%	3.6%	15.4%	33.1%	51.6%	52.7%	22.3%	25.0%
2003	80.9%	15.9%	3.2%	15.4%	34.1%	50.4%	50.7%	24.3%	25.0%
2004	80.2%	14.5%	5.3%	12.5%	31.0%	56.5%	47.7%	22.4%	29.8%
2005	79.2%	14.2%	6.6%	20.1%	27.7%	52.2%	53.0%	20.2%	26.8%
2006	75.9%	18.0%	6.0%	18.9%	28.0%	53.1%	51.9%	22.3%	25.8%
2007	81.0%	13.4%	5.6%	16.1%	28.4%	55.5%	54.3%	19.6%	26.1%
2008	78.8%	14.1%	7.1%	18.4%	24.8%	56.8%	54.2%	18.5%	27.3%
2009	83.5%	10.2%	6.3%	21.0%	20.5%	58.5%	62.9%	13.6%	23.5%
2010	82.5%	11.2%	6.3%	20.9%	18.0%	61.0%	59.6%	13.7%	26.7%
2011	80.1%	11.3%	8.6%	17.7%	17.3%	65.0%	53.8%	13.8%	32.4%
2012	83.8%	8.8%	7.5%	20.9%	14.8%	64.3%	61.4%	10.9%	27.7%
2013	83.0%	9.3%	7.7%	18.1%	14.5%	67.5%	59.7%	11.1%	29.1%
2014	81.3%	10.6%	8.2%	17.5%	14.2%	68.3%	55.3%	12.1%	32.6%
2015	80.4%	9.7%	9.9%	16.0%	12.6%	71.4%	52.9%	10.9%	36.1%
2016	79.8%	9.1%	11.0%	15.8%	12.2%	72.0%	51.2%	10.5%	38.3%
2017 (prelim)	*78.3%*	*9.1%*	*12.6%*	*14.7%*	*13.1%*	*72.2%*	*51.7%*	*10.8%*	*37.6%*

6 Technology Adoption Rates

Technology in new vehicles is continually changing and evolving. Innovative new technologies are regularly being introduced, replacing older and less effective technologies. This continuous cycle of improvement and re-invention has been the driving force behind nearly all of the trends examined in this report. Section 5 detailed many specific technological changes that have taken place since 1975. This section provides a detailed look at the rate at which the automotive industry as a whole has adopted new technology, the rate at which individual manufacturers have adopted technology, and the differences between the overall industry and manufacturer adoption rates. In recent years, several other studies have examined technology penetration trends in the automotive industry, notably researchers at Argonne National Laboratory (Plotkin, et al. 2013), MIT's Sloan Automotive Laboratory (Zoepf and Heywood 2013), EPA, and The University of Michigan (DeCicco 2010).

It is important to note that this section focuses on technologies that have achieved widespread use by multiple manufacturers and, in some cases, by all or nearly all manufacturers. This section does not look at narrowly-adopted technologies which never achieved widespread use. One consequence of a competitive and technology-driven enterprise like the automobile industry is that there will certainly be many technologies which do not achieve widespread use. A technology may not achieve widespread use for one or more of many reasons: cost, effectiveness, tradeoffs with other vehicle attributes, consumer acceptance, or, in some cases, the technology may be successful for a time but later displaced by a newer and better technology. The Trends database does not provide data on why technologies do not achieve widespread adoption, but it does provide data on how quickly successful technologies can penetrate the marketplace, and the latter is the subject of this section.

One inherent limitation in using the Trends database to track the introduction of new technologies is that there is often a lag between the introduction of a new technology and the modifications to the formal EPA vehicle compliance information system that are necessary to ensure proper tracking of the new technology. Accordingly, for many of the technologies discussed in this section, the Trends database did not begin tracking production share data until after the technologies had achieved some limited market share. For example, as shown in Tables 5.3.2 and 5.3.3, Trends did not begin to track multi-valve engine data until MY 1986 for cars and MY 1994 for trucks, and in both cases multi-valve engines had captured about 5% market share by that time. Likewise, turbochargers were not tracked in Trends until MY 1996 for cars and MY 2003 for trucks, and while turbochargers had less than a 1% market share in both cases at that time, it is likely that turbochargers had exceeded 1% market share in the late 1980s. Cylinder deactivation was utilized by at least one major manufacturer in the 1980s, well before being tracked by Trends.

Accordingly, this section best addresses the question, “How quickly have successful technologies moved from limited use to widespread use,” for both industry-wide and for individual manufacturers, and does not address other important issues such as how long it takes for technologies to be developed or to achieve limited market share, or why many technologies fail to ever achieve widespread use.

A. Industry-Wide Technology Adoption Since 1975

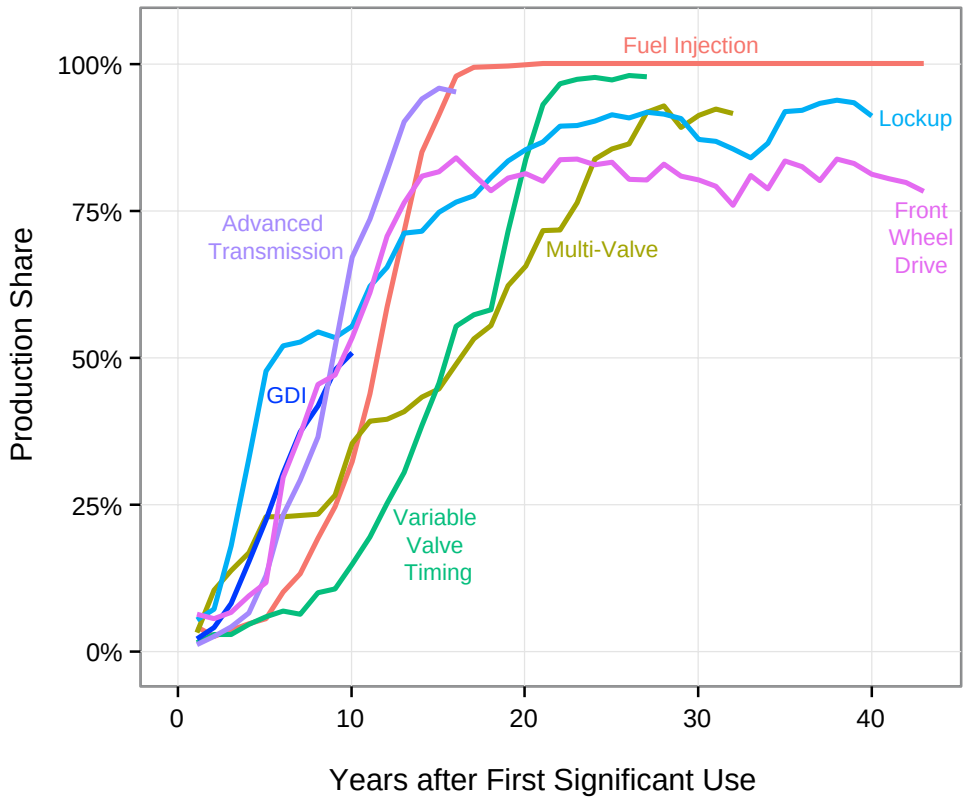
Automotive technology has continually evolved since 1975, resulting in vehicles that have better fuel economy, more power, and more content. One of the most notable examples of this continual improvement is the evolution of fuel delivery in gasoline engines. Carburetors, the dominant fuel delivery system in the late 1970s and early 1980s, were replaced by port fuel injection systems, which in turn are being replaced by direct injection systems. This trend, and the substantial impact on engine fuel economy and performance, is explored in Figures 5.1 and 5.5.

Figure 6.1 has been published in this report for many years, and has been widely cited in the literature. This figure shows industry-wide adoption rates for seven technologies in passenger cars. Six of these technologies have achieved wide adoption across the entire industry, and one newer technology appears to be quickly headed towards widespread adoption. To provide a common scale, the adoption rates are plotted in terms of the number of years after the technology achieved first significant use in the industry. First significant use generally represents a production threshold of 1%, though in some cases, where full data is not available, first significant use represents a slightly higher production share. The seven technologies included in Figure 6.1 are fuel injection (including throttle body, port, and direct injection), front wheel drive, multi-valve engines (i.e., engines with more than two valves per cylinder), engines with variable valve timing, lockup transmissions, advanced transmissions (transmissions with 6 or more speeds, and CVTs), and gasoline direct injection engines (GDI).

The technology adoption pattern shown in Figure 6.1 is roughly similar for each of the seven technologies, even though they vary widely in application, complexity, and when they were initially introduced. It has taken, on average, approximately 15-20 years for new technologies to reach maximum penetration across the industry. GDI is a newer technology that has likely not reached maximum penetration across the industry, but appears to be following the adoption trend of other more mature technologies. While some of these technologies may eventually be adopted in 100% of new vehicles, there may be reasons that other technologies, like front-wheel drive, will likely never be adopted in all vehicles. Adoption rates for these technologies in trucks are similar, with the exception of front wheel drive.

Figure 6.1

Industry-Wide Car Technology Penetration after First Significant Use



B. Technology Adoption by Manufacturers

The rate at which the overall industry adopts technology, as shown in Figure 6.1, is actually determined by how quickly, and at what point in time, individual manufacturers adopt the technology. While it is important to understand the industry-wide adoption rates over time, the trends in Figure 6.1 mask the fact that not all manufacturers introduced these technologies at the same time, or at the same rate. The "sequencing" of manufacturers introducing new technologies is an important aspect of understanding the overall industry trend of technology adoption.

Figure 6.2 begins to disaggregate the industry-wide trends shown in Figure 6.1 to examine how individual manufacturers have adopted new technologies. The first four technologies shown in Figure 6.2, which are also shown in Figure 6.1, have reached (or are near) full market penetration for all manufacturers. Also included in Figure 6.2 are three additional technologies that are quickly increasing penetration in new vehicle production, and are projected to be installed on at least 15% of all MY 2017 vehicles. These technologies are advanced transmissions (defined here as transmissions with 6 or more speeds and CVTs), gasoline direct injection (GDI) systems, and turbocharged engines. Figure 6.2 shows the

percent penetration of each technology over time for the industry as a whole, and individually for the top seven manufacturers by sales. Figure 6.2 focuses on the length of time each manufacturer required to move from initial introduction to 80% penetration for each technology. After 80% penetration, the technology is assumed to be largely incorporated into the manufacturer's fleet and changes between 80% and 100% are not highlighted.

The technologies shown in Figure 6.2 vary widely in terms of complexity, application, and when they were introduced into the market. For each technology, there are clearly variations between manufacturers, both in terms of when they began to adopt a technology, and the rate with which they adopted the technology. The degree of variation between the manufacturers also varies by technology.

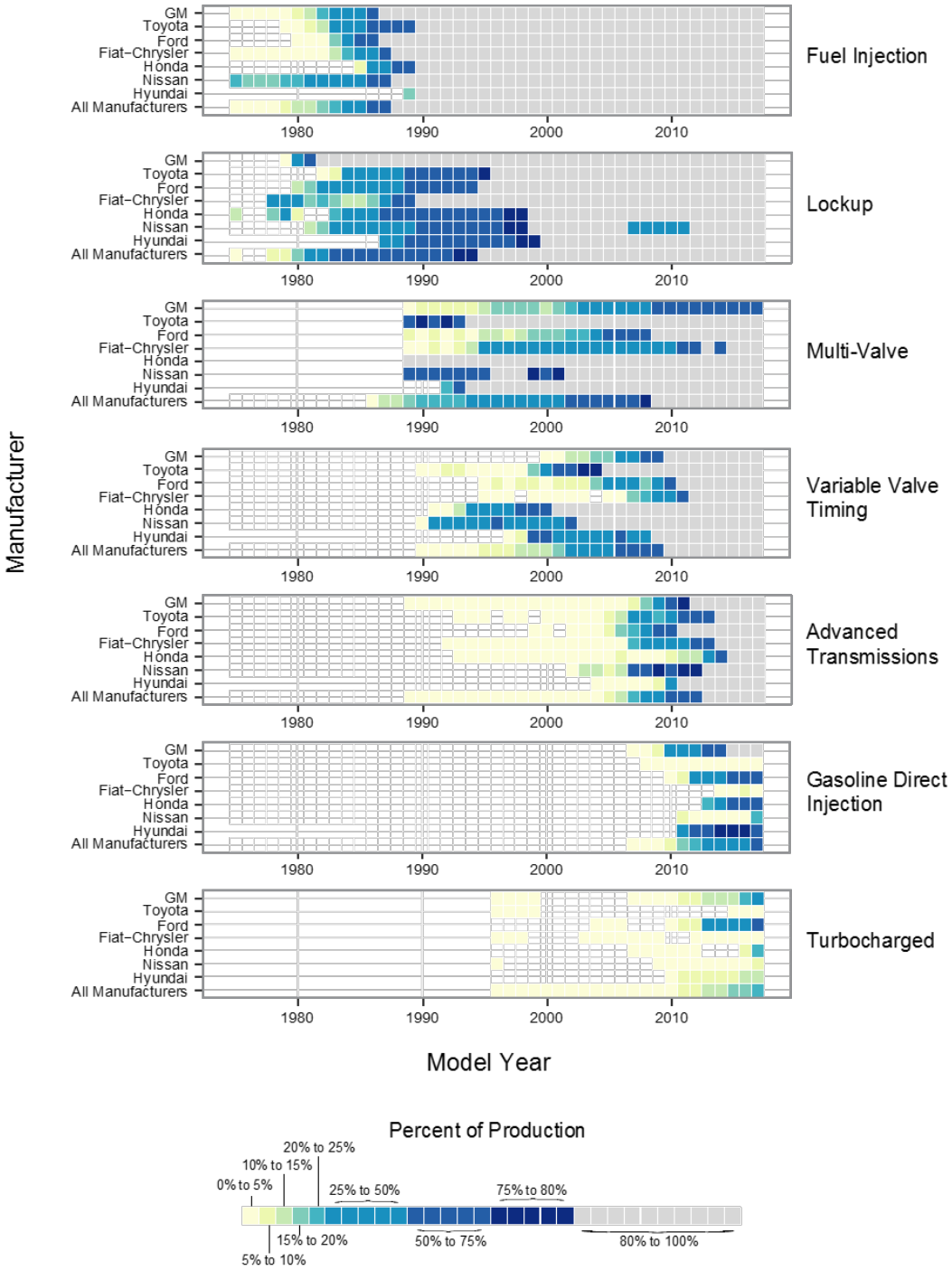
The data for variable valve timing (VVT), for example, shows that several manufacturers were able to adopt the technology much faster than the overall industry rate might suggest. As shown in Figure 6.1, it took a little over 20 years for VVT to reach 80% penetration across the industry as a whole. However, Figure 6.2 shows that several individual manufacturers were able to implement at least 80% VVT in significantly less time than the overall industry. Therefore, it was not the rate of technology adoption alone, but rather the staggered implementation time frames among manufacturers that resulted in the longer industry-wide average.

Fuel injection systems show the least amount of variation in initial adoption timing between manufacturers, which resulted in a faster adoption by the industry overall (see Figure 6.1) than technologies like VVT. One important driver for adoption of fuel injection was increasingly stringent emissions standards. Advanced transmissions, and turbocharged engines, have been available in small numbers for some time, but have very rapidly increased market penetration in recent years. Turbocharged engines and GDI systems have only recently begun to reach significant parts of the market, and while both technologies are showing variation in adoption between manufacturers, it is too early to tell whether, and how quickly, they will ultimately be adopted industry-wide.

A different way to look at technology adoption patterns is to look at the maximum rate of change that manufacturers have been able to achieve for each technology. Figure 6.3 uses this approach to look at technology adoption for the same manufacturers and technologies examined in Figure 6.2. For each technology and manufacturer, Figure 6.3 shows the maximum change in technology penetration that each manufacturer achieved over any 3-year and 5-year period.

Figure 6.2

*Manufacturer Specific Technology Adoption over Time for Key Technologies**



* This figure is based on available data. Some technologies may have been introduced into the market before this report began tracking them. Generally, these omissions are limited, with the exception of multi-valve engine data for Honda. Honda had already achieved 70% penetration of multi-valve engines when this report began tracking them in 1986, so this figure does not illustrate Honda's prior trends.

There are many examples of manufacturers that were able to apply new technology to a large percentage of their new vehicles in only 3 to 5 years. For example, each of the manufacturers was able to increase the percentage of their new vehicles with fuel injection systems by over 50% in 5 years, and three manufacturers were able to increase the percentage of their new vehicles with VVT by more than 85% in that time. For VVT, all of the manufacturers achieved close to or above a 70% penetration change in a 5-year period, but the industry as a whole only achieved a 40% change over any 5 years. This data reinforces the conclusion that the staggered timing of VVT adoption by individual manufacturers resulted in an overall industry adoption period that is longer than actually required by many (if not most) individual manufacturers.

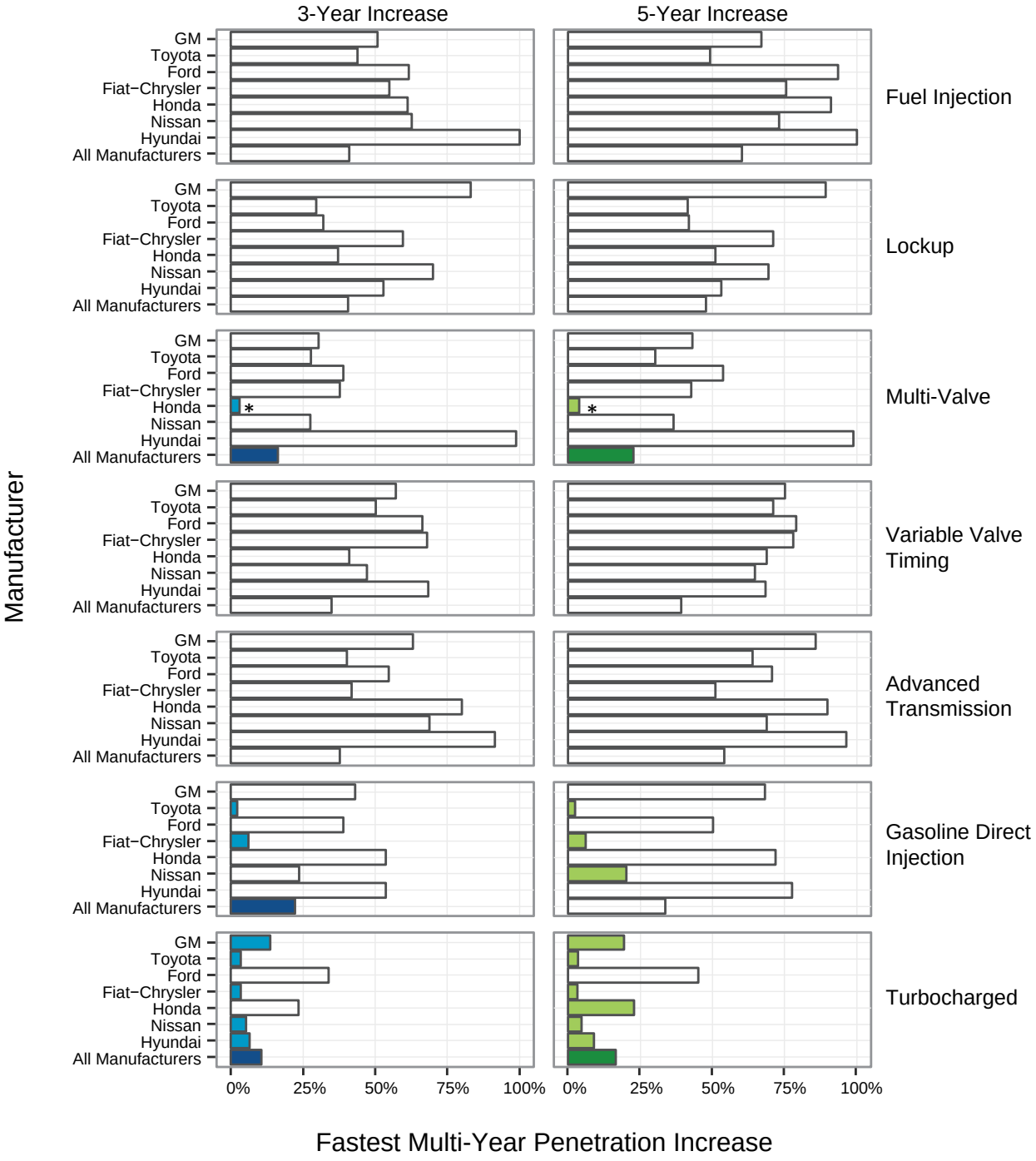
One important note for Figure 6.3 is that, in some cases, individual manufacturers were already at high rates of adoption of some technologies before Trends started collecting data for that technology (for example, Honda was using multi-valve engines throughout its fleet when EPA starting monitoring multi-valve data in the mid-1980s). Data for "rates of increase" in such cases are artificially low.

Figure 6.4 takes a more detailed look at the introduction of VVT by individual manufacturers by combining aspects of both Figure 6.2 and Figure 6.3. For each manufacturer, Figure 6.4 shows the actual percent penetration of VVT over time (solid red line) versus the average for all manufacturers (dotted grey line), and compared to the maximum penetration by any manufacturer (solid grey line) over time. Figure 6.4 also shows when the largest increase in VVT penetration over any 1, 3, and 5 year period occurred as green, orange, and yellow boxes.

VVT was first tracked in this report for cars in MY 1990 and for trucks in MY 2000. Between MY 1990 and MY 2000, there may be a small number of trucks with VVT that are not accounted for in the data. However, the first trucks with VVT produced in larger volumes (greater than 50,000 vehicles) were produced in MY 1999 and MY 2000, so the discrepancy is not enough to noticeably alter the trends in the previous figures.

Figure 6.3

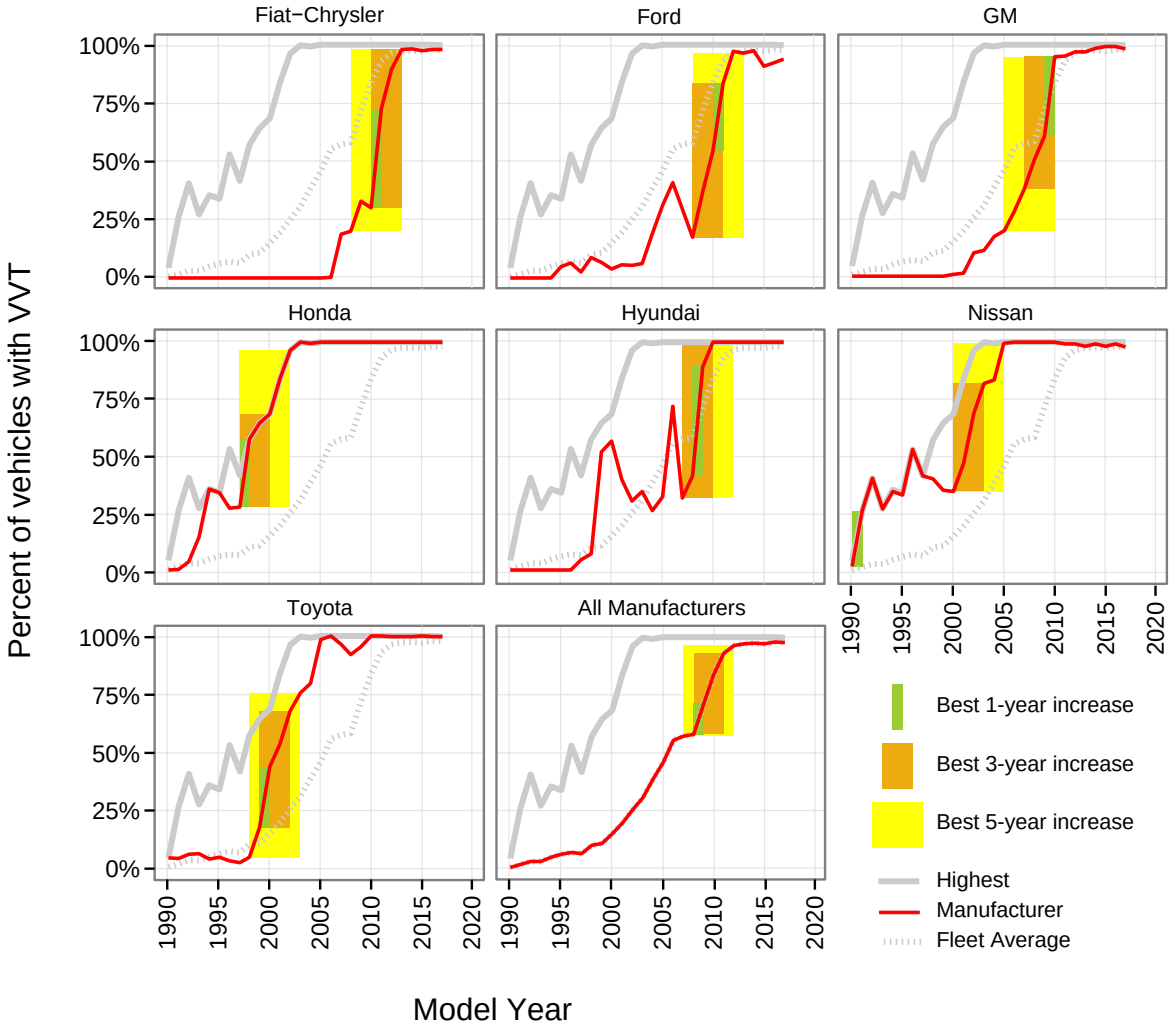
Maximum Three- and Five-Year Adoption for Key Technologies



***** This figure is based on available data. Some technologies may have been introduced into the market before this report began tracking them. Generally, these omissions are limited, with the exception of multi-valve engine data for Honda. Honda had already achieved 70% penetration of multi-valve engines when this report began tracking them in 1986, so this figure does not illustrate Honda's prior trends.

Figure 6.4

VVT Adoption Details by Manufacturer



As shown in Figure 6.2, each manufacturer clearly followed a unique trajectory to adopt VVT. It took over 20 years for nearly all new vehicles to adopt VVT; however, it is also very clear that individual manufacturers were able to adopt VVT across their own vehicle offerings much faster. All of the manufacturers shown in Figure 6.4 were able to adopt VVT across the vast majority of their new vehicle offerings in under 15 years, and many accomplished that feat in under 10 years. As indicated by the yellow rectangles in Figure 6.4, several manufacturers increased their penetration rates of VVT by 75% or more over a 5-year period. It is also important to note that every manufacturer shown was able to adopt VVT into new vehicles at a rate faster than the overall industry-wide data would imply. As noted earlier, the industry average represents both the rate that manufacturers adopted VVT and the effect of manufacturers adopting the technology at different times. Accordingly, the industry average shown in Figure 6.1 and Figure 6.4 does not represent the average pace at which individual manufacturers adopted VVT, which is considerably faster.

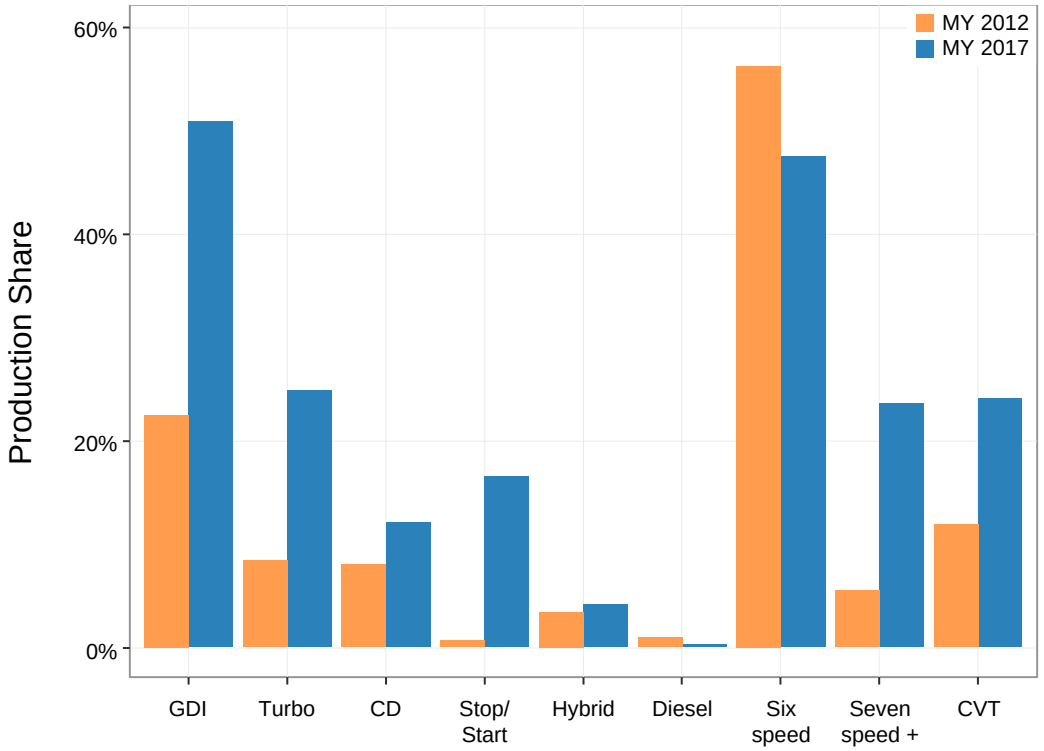
Figures 6.2 through 6.4 examine manufacturer specific technology adoption in different ways, but all three figures clearly support the conclusion that some manufacturers have been able to adopt technology much faster than industry-wide data suggest, and that there is significant variation in how individual manufacturers have adopted technology.

C. Technology Adoption in the Last Five Years

Over the last five years, engines and transmissions have continued to evolve and adopt new technologies. Figure 6.5 shows the penetration of several key technologies in MY 2012 and the projected penetration for each technology in MY 2017 vehicles. Over that five-year span, GDI is projected to increase market share by about 33%, CVTs by more than 10%, and transmissions with 7 or more speeds by more than 15% across the entire industry. These are large changes taking place across the industry over a relatively short time. As discussed in the previous section, individual manufacturers are making technology changes at even faster rates.

Figure 6.5

Five Year Change in Light Duty Vehicle Technology Penetration Share



There are many factors outside the scope of this report that influence the rate and timing of when technology is adopted by individual manufacturers (e.g., price, manufacturing constraints, regulatory drivers, etc.) While no attempt is made here to identify the underlying causes, it is important to recognize that variation between manufacturers for given technologies can be masked when only evaluating industry-wide trends. As the data in this

section suggest, adoption by individual manufacturers is generally more rapid than has previously been reported for the overall industry, and it is clear that the penetration of important technologies has grown significantly over the last 5 years.

7 Alternative Fuel Vehicle Metrics

Alternative fuel vehicles (AFVs) are included in analyses throughout this report, except when noted otherwise. While overall market penetration of AFVs is still low, AFVs production share is expected to reach almost 2% in MY 2017, more than double that of 2016. As shown in Section 4, manufacturers with higher AFV production are already showing fuel economy increases and reductions in CO_2 emission rates due to AFVs. Section 5 shows how AFV production has increased over time. This section addresses some of the technical metrics used to quantify AFV operation and to integrate AFV data with gasoline and diesel vehicle data.

Vehicles included as AFVs throughout this report are those vehicles that are produced by original equipment manufacturers (OEMs) which are dedicated to, or are designed and expected to frequently operate on, alternative fuels such as electricity, natural gas, and hydrogen. Non-OEM vehicles that are converted to alternative fuels by independent, aftermarket companies are *not* included in this report. Ethanol flexible fuel vehicles are widely available, but the great majority of these vehicles are operated primarily on gasoline[7] and therefore are not included as AFVs in this report. OEM vehicles that operate predominantly on other alternative fuels, including methanol, propane, etc., will be included in future reports if they become generally available to the public.

The focus of this section is on MY 2017 vehicles. For consistency and clarity for the reader, the data for specific vehicles discussed in this section reflect values from the EPA/DOT Fuel Economy and Environment Labels, which use a 55% city and 45% highway weighting for combined fuel economy and CO_2 values. When data for these vehicles is integrated into the data for the rest of the report, the adjusted highway and city values are combined using a 43% city and 57% highway weighting (see Section 10 for a detailed explanation). Additionally, some PHEV calculations are also adjusted, as explained at the end of this section.

A. MY 2017 Vehicles

This section will introduce the MY 2017 alternative fuel vehicles that were certified by EPA. For each of these vehicles, the report will introduce key metrics, show how they are determined, and discuss their relevance to consumers and analysts. Table 7.1 shows the alternative fuel vehicles available from OEMs in MY 2017, as well as the powertrain type of each vehicle, inertia weight class (IWT),[8] and footprint. These vehicles constitute a wide array of vehicle designs, sizes, and functions.

[7] Based on data from the Energy Information Administration, EPA projects that FFVs were fuelled with E85 less than 1 percent of the time in 2008; see 75 Federal Register 14762 (March 26, 2010).

[8] Each inertia weight class represents a range of loaded vehicle weights, or vehicle curb weights plus 300 pounds. Vehicle inertia weight classes are in 250-pound increments for inertia weight classes that are less than 3000 pounds, while inertia weight classes over 3000 pounds are divided into 500-pound increments.

Table 7.1

MY 2017 Alternative Fuel Vehicle Classification and Size

Manufacturer	Model	Fuel or Powertrain	Car or Truck	IWT (lbs)	Footprint (sq ft)
BMW	I3 BEV	EV	Car	3000	43.3
BYD Motors	e6	EV	Car	5500	47.9
Fiat-Chrysler	500e	EV	Car	3000	34.8
Ford	Focus	EV	Car	4000	43.7
GM	Bolt	EV	Car	4000	42.0
Honda	Clarity	EV	Car	4000	48.5
Hyundai	Ioniq	EV	Car	3500	44.9
Kia	Soul	EV	Car	3500	43.7
Mercedes	B250e	EV	Car	4000	44.7
Mercedes	Smart Fortwo	EV	Car	2250	29.2
Mitsubishi	i-MiEV	EV	Car	2750	38.4
Nissan	Leaf	EV	Car	3500	44.5
Tesla	Model 3	EV	Car	4000	48.9
Tesla	Model S	EV	Car	5000	53.5
Tesla	Model X	EV	Car	5500	53.6
Tesla	Model X P100D	EV	Truck	6000	53.6
VW	e-Golf	EV	Car	3500	43.2
BMW	330e	PHEV	Car	4000	47.0
BMW	740e xDrive	PHEV	Car	5000	56.2
BMW	I3 REX	PHEV	Car	3500	43.3
BMW	I8	PHEV	Car	3500	50.7
BMW	X5 xDrive40e	PHEV	Truck	5500	51.9
Fiat-Chrysler	Pacifica	PHEV	Truck	5000	57.7
Ford	C-MAX	PHEV	Car	4000	44.1
Ford	Fusion	PHEV	Car	4000	48.7
GM	CT6	PHEV	Car	4500	54.1
GM	Volt	PHEV	Car	4000	45.1
Hyundai	Sonata	PHEV	Car	4000	48.5
Kia	Optima	PHEV	Car	4000	48.5
Mercedes	C 350e	PHEV	Car	4500	47.5
Mercedes	GLE 550e 4MATIC	PHEV	Truck	6000	51.7
Mercedes	S 550e	PHEV	Car	5500	55.6
Toyota	Prius Prime	PHEV	Car	3500	44.6
Volvo	XC90 AWD	PHEV	Truck	5500	53.6
VW	A3 e-tron	PHEV	Car	4000	43.4
VW	Cayenne S	PHEV	Truck	6000	51.8
Honda	Clarity	FCV	Car	4500	48.5
Hyundai	Tucson	FCV	Car	4500	45.2
Toyota	Mirai	FCV	Car	4000	44.0

As shown in Table 7.1, there are sixteen EVs available in MY 2017, nineteen PHEVs, and three hydrogen fuel cell vehicles. This is the second year this report has included fuel cell vehicles. There are no CNG vehicles being offered for MY 2017. In some cases, there are several variants of an individual model available (e.g. Tesla S). For this report, all of those

variants are counted as one model, but each variation may be shown separately in the tables in this section due to differences in weight and performance.

The list of vehicles in Table 7.1 shows a wide range of vehicles, including six trucks. The footprint of the largest vehicles, the Fiat-Chrysler Pacifica, is more than double that of the smallest vehicle, which is the Smart Fortwo. The weight range of MY 2017 AFVs also significantly varies, from an IWT of 2250 to 6000.

For each of the vehicles listed in Table 7.1, Table 7.2 shows the label driving range for alternative fuel vehicles when operating on the alternative fuel, total electricity plus gasoline range for PHEVs, and introduces the concept of a utility factor for PHEVs (explained below). This report has not previously tracked or analyzed data on the range of vehicles using petroleum fuels because gasoline and diesel vehicles can generally travel at least 300 miles without refueling, and gasoline and diesel fuel stations are common and well distributed across the United States (although there are some rural areas where range may in fact be an important consideration). Vehicle range is more variable for alternative fuel vehicles and can be less, or considerably more, than an average gasoline vehicle. New electric vehicles such as the Tesla Model 3 or the GM Bolt have ranges approaching gasoline vehicles, although several electric vehicles have much shorter ranges[9]. Electric only range for PHEVs varies, however the combined electric and gasoline range for PHEVs generally exceeds gasoline only vehicles, as evidenced by several PHEVs that exceed 500 miles of range.

PHEVs blend EV technology with more familiar powertrain technology from petroleum-fueled vehicles. Current PHEVs feature both an electric drive system designed to be charged from an electricity source external to the vehicle (like an EV), and a gasoline internal combustion engine. There are generally three ways that a PHEV can operate:

1. Charge depleting electric only mode – In electric only mode the vehicle operates like an EV, using only energy stored in the battery to propel the vehicle.
2. Charge depleting blended mode – In blended mode the vehicle uses both energy stored in the battery and energy from the gasoline tank to propel the vehicle. Depending on the vehicle design and driving conditions, blended operation can include substantial all-electric driving.
3. Charge sustaining mode – In charge sustaining mode, the PHEV has exhausted the external energy from the electric grid that is stored in the battery and relies on the gasoline internal combustion engine. In charge sustaining mode, the vehicle will operate much like a traditional hybrid.

[9] In addition to growing EV range, the number of public electric vehicle charging stations is growing rapidly. For more information, see the U.S. Department of Energy's Alternative Fuels Data Center at https://www.afdc.energy.gov/.

Table 7.2

MY 2017 Alternative Fuel Vehicle Powertrain and Range

Manufacturer	Model	Fuel or Powertrain	Alternative Fuel Range (miles) *	Total Range (miles)	Utility Factor
BMW	I3 BEV	EV	114	114	-
BMW	I3 BEV (60Ah)	EV	81	81	-
BYD Motors	e6	EV	187	187	-
Fiat-Chrysler	500e	EV	84	84	-
Ford	Focus	EV	115	115	-
GM	Bolt	EV	238	238	-
Honda	Clarity	EV	89	89	-
Hyundai	Ioni	EV	124	124	-
Kia	Soul	EV	93	93	-
Mercedes	B250e	EV	87	87	-
Mercedes	Smart Fortwo	EV	58	58	-
Mitsubishi	i-MiEV	EV	59	59	-
Nissan	Leaf	EV	107	107	-
Tesla	Model 3	EV	310	310	-
Tesla	Model S 60 kWh	EV	210	210	-
Tesla	Model S 75 kWh	EV	249	249	-
Tesla	Model S AWD 60D	EV	218	218	-
Tesla	Model S AWD 75D	EV	259	259	-
Tesla	Model S AWD 90D	EV	294	294	-
Tesla	Model S AWD 100D	EV	335	335	-
Tesla	Model S AWD P90D	EV	270	270	-
Tesla	Model S AWD P100D	EV	315	315	-
Tesla	Model X AWD 60D	EV	200	200	-
Tesla	Model X AWD 75D	EV	238	238	-
Tesla	Model X AWD 90D	EV	257	257	-
Tesla	Model X AWD P90D	EV	250	250	-
Tesla	Model X AWD P100D	EV	289	289	-
VW	e-Golf	EV	125	125	-
BMW	330e	PHEV	14	350	0.36
BMW	740e xDrive	PHEV	14	340	0.36
BMW	I3 REX	PHEV	97	180	0.89
BMW	I8	PHEV	15	330	0.37
BMW	X5 xDrive40e	PHEV	14	540	0.35
Fiat-Chrysler	Pacifica	PHEV	33	570	0.62
Ford	C-MAX	PHEV	20	570	0.46
Ford	Fusion	PHEV	22	610	0.48
GM	CT6	PHEV	31	440	0.59
GM	Volt	PHEV	53	420	0.76
Hyundai	Sonata	PHEV	27	590	0.56
Kia	Optima	PHEV	29	610	0.57
Mercedes	C 350e	PHEV	8	410	0.30
Mercedes	GLE 550e 4MATIC	PHEV	12	460	0.31
Mercedes	S 550e	PHEV	14	450	0.35
Toyota	Prius Prime	PHEV	25	640	0.53
Volvo	XC90 AWD	PHEV	14	350	0.35
VW	A3 e-tron	PHEV	16	380	0.39
VW	Cayenne S	PHEV	14	480	0.37
Honda	Clarity	FCV	366	366	-
Hyundai	Tucson	FCV	265	265	-
Toyota	Mirai	FCV	312	312	-

* Many PHEVs are capable of operating in blended mode and may use some gasoline to achieve the given alternative fuel range.

The presence of both electric drive and an internal combustion engine results in a complex system that can be used in many different combinations, and manufacturers are choosing to operate PHEV systems in different ways. This complicates direct comparisons among PHEV models in this report. For each MY 2017 PHEV, Table 7.2 shows the estimated range on alternative fuel and estimated total range. For PHEVs like the Chevrolet Volt, which cannot operate in blended mode, the alternative fuel range represents the estimated range operating in electric only mode. However, for PHEVs that operate in a blended mode, the alternative fuel range represents the estimated range of the vehicle operating in either electric only *or* blended mode, due to the design of the vehicle. For example, the BMW I8 PHEV uses electricity stored in its battery and a small amount of gasoline to achieve an alternative fuel range of 15 miles. The C-Max PHEV did not use any gasoline to achieve an alternative fuel range of 20 miles on EPA test cycles; however, certain driving conditions (e.g., more aggressive accelerations, higher speeds, and air conditioning or heater operation) would likely cause this vehicle to operate in a blended mode instead of an all-electric mode. Table 7.2 also introduces the concept of a utility factor. The utility factor is directly related to the electric range for PHEVs, and is a projection, on average, of the percentage of miles that will be driven using electricity (in electric only and blended modes) by an average driver.

Table 7.3 shows five energy-related metrics for the MY 2017 alternative fuel vehicles (no entry is shown if the metric is not applicable to that vehicle technology). These data are generally included on the EPA/NHTSA Fuel Economy and Environment labels beginning in MY 2013. Comparing the energy or fuel efficiency performance from alternative fuel vehicles raises complex issues of how to compare different fuels. Consumers and OEMs are familiar and comfortable with evaluating gasoline and diesel vehicle fuel economy in terms of miles per gallon, and it is the primary efficiency metric in this report. To enable this comparison for alternative fuel vehicles, the fuel efficiency of vehicles operating on electricity, hydrogen, and CNG are evaluated in terms of miles per gallon of gasoline equivalent (an energy metric described in more detail below).

The fourth column in Table 7.3 gives electricity consumption rates for EVs and PHEVs. The units for electricity consumption are kilowatt-hours per 100 miles (kW-hrs/100 miles). As shown on the vehicle label, the electricity consumption rate is based on the amount of electricity required from an electric outlet to charge the vehicle and includes wall-to-vehicle charging losses. The values for all of the EVs and PHEVs reflect the electricity consumption rate required to operate the vehicle in either electric-only or blended mode operation. PHEVs that are capable of operating in a blended mode may also consume some gasoline in addition to electricity. Any additional gasoline used is shown in the fifth column. For example, the BMW I8 PHEV consumes 43 kWh and 0.1 gallons of gasoline per 100 miles during this combination of electric-only and blended modes.

Table 7.3

MY 2017 Alternative Fuel Vehicle Fuel Economy Label Metrics

			Charge Depleting			Charge Sustaining	Overall
Manufacturer	Model	Fuel or Powertrain	Electricity (kW-hrs/ 100 miles)	Gasoline (gallons/ 100 miles)	Fuel Economy (mpge)	Fuel Economy (mpg)	Fuel Economy (mpge)
BMW	I3 BEV	EV	29	-	118	N/A	118
BMW	I3 BEV (60Ah)	EV	27	-	124	N/A	124
BYD Motors	e6	EV	47	-	72	N/A	72
Fiat-Chrysler	500e	EV	30	-	112	N/A	112
Ford	Focus	EV	31	-	107	N/A	107
GM	Bolt	EV	28	-	119	N/A	119
Honda	Clarity	EV	30	-	114	N/A	114
Hyundai	Ioniq	EV	25	-	136	N/A	136
Kia	Soul	EV	32	-	105	N/A	105
Mercedes	B250e	EV	40	-	84	N/A	84
Mercedes	Smart Fortwo	EV	31	-	108	N/A	108
Mitsubishi	i-MiEV	EV	30	-	112	N/A	112
Nissan	Leaf	EV	30	-	112	N/A	112
Tesla	Model 3	EV	27	-	126	N/A	126
Tesla	Model S 60 kWh	EV	34	-	99	N/A	99
Tesla	Model S 75 kWh	EV	34	-	98	N/A	98
Tesla	Model S AWD 60D	EV	32	-	104	N/A	104
Tesla	Model S AWD 75D	EV	33	-	103	N/A	103
Tesla	Model S AWD 90D	EV	32	-	104	N/A	104
Tesla	Model S AWD 100D	EV	33	-	102	N/A	102
Tesla	Model S AWD P90D	EV	35	-	95	N/A	95
Tesla	Model S AWD P100D	EV	35	-	98	N/A	98
Tesla	Model X AWD 60D	EV	36	-	93	N/A	93
Tesla	Model X AWD 75D	EV	36	-	93	N/A	93
Tesla	Model X AWD 90D	EV	37	-	92	N/A	92
Tesla	Model X AWD P90D	EV	38	-	89	N/A	89
Tesla	Model X AWD P100D	EV	39	-	86	N/A	86
VW	e-Golf	EV	28	-	115	N/A	115
BMW	330e	PHEV	47	0.0	71	30	38
BMW	740e xDrive	PHEV	52	0.0	64	27	33
BMW	I3 REX	PHEV	30	0.0	111	35	88
BMW	I8	PHEV	43	0.1	76	28	37
BMW	X5 xDrive40e	PHEV	59	0.0	56	24	29
Fiat-Chrysler	Pacifica	PHEV	40	0.0	84	32	52
Ford	C-MAX	PHEV	35	0.0	95	39	54
Ford	Fusion	PHEV	35	0.0	97	42	57
GM	CT6	PHEV	54	0.0	62	26	39
GM	Volt	PHEV	31	0.0	106	42	77
Hyundai	Sonata	PHEV	34	0.0	99	39	58
Kia	Optima	PHEV	33	0.0	103	40	61
Mercedes	C 350e	PHEV	56	0.2	51	30	34
Mercedes	GLE 550e 4MATIC	PHEV	69	0.3	43	21	25
Mercedes	S 550e	PHEV	59	0.0	58	26	31
Toyota	Prius Prime	PHEV	25	0.0	133	54	78
Volvo	XC90 AWD	PHEV	60	0.1	54	25	30
VW	A3 e-tron	PHEV	41	0.0	83	34	44
VW	Cayenne S	PHEV	71	0.0	46	22	27
Honda	Clarity	FCV	N/A	N/A	N/A	N/A	68
Hyundai	Tucson	FCV	N/A	N/A	N/A	N/A	50
Toyota	Mirai	FCV	N/A	N/A	N/A	N/A	67

The sixth column simply converts the electricity consumption data in the fourth column and the gasoline consumption data in the fifth column into a combined miles per gallon of gasoline-equivalent (mpge) metric. The mpge metric is a measure of the miles the vehicle can travel on an amount of energy that is equal to the amount of energy stored in a gallon of gasoline. For a vehicle operating on electricity, mpge is simply calculated as 33.705 kW-hrs/gallon divided by the vehicle electricity consumption in kW-hrs/mile. For example, for the Leaf, 33.705 kW-hrs/gallon divided by 0.30 kW-hrs/mile, which is equivalent to 30 kW-hrs/100 miles, is 112 mpge.[10] Because the BMW I8 consumes both electricity and gasoline over the alternative fuel range of 15 miles, the electric consumption value of 76 mpge includes both the electricity and gasoline consumption, at a rate of 43 kW-hrs/100 miles of electricity and 0.1 gal/100 miles of gasoline.

The seventh column gives label fuel economy values for vehicles operating on gasoline only, which is relevant here only for the PHEVs operating in charge sustaining mode. For PHEVs, the EPA/NHTSA label shows both electricity consumption in kW-hrs/100 miles and mpge, when the vehicle operates exclusively on electricity or in a blended mode, and gasoline fuel economy in mpg, when the vehicle operates exclusively on gasoline.

The final column gives the overall mpge values reflecting the overall energy efficiency of the vehicle on all of the fuels on which the vehicle can operate. While mpge does not reflect how all alternative fuels are sold (natural gas is in fact sold in gallons of gasoline equivalent, but electricity is not), it does provide a common metric with which to compare fuels that are sold in different units, and mpge is generally included on the EPA/NHTSA labels for that reason. For PHEVs, the mpge metric can also be used to determine the overall equivalent fuel economy for a vehicle that operates on two unique fuels. In addition to the energy metrics in the previous columns, the one key additional parameter necessary to calculate a combined electricity/gasoline mpge value for a PHEV is the utility factor that was introduced in Table 7.2. The MY 2017 Volt, for example, has a utility factor of 0.76, i.e., it is expected that, on average, the Volt will operate 76% of the time on electricity and 24% of the time on gasoline. Utility factor calculations are based on an SAE methodology that EPA has adopted for regulatory compliance (SAE 2010). For EVs and fuel cell vehicles, the last column simply reports the mpge values that are on the EPA/NHTSA label.

Tables 7.4 and 7.5 show several key CO_2 emissions metrics for MY 2017 alternative fuel vehicles.

[10] The actual calculations were done with unrounded numbers. Using the rounded numbers provided here may result in a slightly different number due to rounding error.

Table 7.4

MY 2017 Alternative Fuel Vehicle Label Tailpipe CO_2 Emissions Metrics

Manufacturer	Model	Fuel or Powertrain	Tailpipe CO_2 (g/mile)
BMW	I3 BEV	EV	0
BYD Motors	e6	EV	0
Fiat-Chrysler	500e	EV	0
Ford	Focus	EV	0
GM	Bolt	EV	0
Honda	Clarity	EV	0
Hyundai	Ioniq	EV	0
Kia	Soul	EV	0
Mercedes	B250e	EV	0
Mercedes	Smart Fortwo	EV	0
Mitsubishi	i-MiEV	EV	0
Nissan	Leaf	EV	0
Tesla	Model 3	EV	0
Tesla	Model S	EV	0
Tesla	Model S AWD	EV	0
Tesla	Model X AWD	EV	0
VW	e-Golf	EV	0
BMW	330e	PHEV	189
BMW	740e xDrive	PHEV	214
BMW	I3 REX	PHEV	29
BMW	I8	PHEV	199
BMW	X5 xDrive40e	PHEV	248
Fiat-Chrysler	Pacifica	PHEV	106
Ford	C-MAX	PHEV	122
Ford	Fusion	PHEV	112
GM	CT6	PHEV	144
GM	Volt	PHEV	51
Hyundai	Sonata	PHEV	104
Kia	Optima	PHEV	97
Mercedes	C 350e	PHEV	215
Mercedes	GLE 550e 4MATIC	PHEV	296
Mercedes	S 550e	PHEV	229
Toyota	Prius Prime	PHEV	78
Volvo	XC90 AWD	PHEV	238
VW	A3 e-tron	PHEV	158
VW	Cayenne S	PHEV	258
Honda	Clarity	FCV	0
Hyundai	Tucson	FCV	0
Toyota	Mirai	FCV	0

Table 7.4 gives vehicle tailpipe CO_2 emissions values. EPA and vehicle manufacturers have been measuring tailpipe emissions since the early 1970s using standardized laboratory tests. Table 7.4 gives tailpipe CO_2 emissions values that are included on the EPA/DOT Fuel Economy and Environment labels (and reflected in the label's Greenhouse Gas Rating) that are currently used for advanced technology vehicles. These label values reflect EPA's best estimate of the CO_2 tailpipe emissions that these vehicles will produce, on average, in real

world city and highway operation based on the EPA 5-cycle label methodology and using a 55% city/45% highway weighting. EVs, of course, have no tailpipe emissions. For the PHEVs, the label CO_2 emissions values utilize the same utility factors discussed above to weight the CO_2 emissions on electric and gasoline operation.

Table 7.5 accounts for the "upstream" CO_2 emissions associated with the production and distribution of electricity used in EVs and PHEVs. Gasoline and diesel fuels also have CO_2 emissions associated with their production and distribution, but these upstream emissions are not reflected in the tailpipe CO_2 emissions values discussed elsewhere in this report. Combining vehicle tailpipe and fuel production/distribution sources, gasoline vehicles emit about 80 percent of total CO_2 emissions at the vehicle tailpipe with the remaining 20 percent of total CO_2 emissions associated with upstream fuel production and distribution. Diesel fuel has a similar approximate relationship between tailpipe and upstream CO_2 emissions. Hydrogen and CNG vehicle upstream CO_2 emissions data is not included in Table 7.5.[11] On the other hand, vehicles powered by grid electricity emit no CO_2 (or other emissions) at the vehicle tailpipe; therefore, all CO_2 emissions associated with an EV are due to fuel production and distribution. Depending on how the electricity is produced, these fuels can have very high fuel production/distribution CO_2 emissions (for example, if coal is used with no CO_2 emissions control) or very low CO_2 emissions (for example, if renewable processes with minimal fossil energy inputs are used).

An additional complicating factor in Table 7.5 is that electricity production in the United States varies significantly from region to region and has been changing over time. Hydroelectric plants provide a large percentage of electricity in the northwest, while coal-fired power plants produce the majority of electricity in the Midwest. Natural gas, wind, and solar have increased their electricity market share in many regions of the country. Nuclear power plants make up most of the balance of U.S. electricity production. In order to bracket the possible GHG emissions impact, Table 7.5 provides ranges with the low end of the range corresponding to the California power plant GHG emissions factor, the middle of the range represented by the national average power plant GHG emissions factor, and the upper end of the range corresponding to the power plant GHG emissions factor for part of the Midwest (Illinois and Missouri).

[11] There is considerable uncertainly and ongoing research on the topic of GHG emissions from natural gas production, particularly with respect to hydraulic fracturing ("fracking") processes. Hydrogen can be created using multiple pathways, each with varying GHG emissions.

Table 7.5

MY 2017 Alternative Fuel Vehicle Upstream CO_2 Emission Metrics

Manufacturer	Model	Fuel or Powertrain	Tailpipe + Total Upstream CO_2			Tailpipe + Net Upstream CO_2		
			Low (g/mile)	Avg (g/mile)	High (g/mile)	Low (g/mile)	Avg (g/mile)	High (g/mile)
BMW	I3 BEV	EV	87	162	250	23	98	186
BMW	I3 BEV (60Ah)	EV	81	151	233	17	87	168
BYD Motors	e6	EV	141	263	405	70	192	335
Fiat-Chrysler	500e	EV	90	168	259	29	107	198
Ford	Focus	EV	93	173	267	28	109	203
GM	Bolt	EV	84	157	241	22	94	179
Honda	Clarity	EV	90	168	259	19	96	187
Hyundai	Ioniq	EV	75	140	216	9	73	149
Kia	Soul	EV	96	179	276	31	114	211
Mercedes	B250e	EV	120	224	345	54	158	279
Mercedes	Smart Fortwo	EV	93	173	267	32	112	206
Mitsubishi	i-MiEV	EV	90	168	259	29	107	198
Nissan	Leaf	EV	90	168	259	24	102	193
Tesla	Model 3	EV	81	151	233	9	79	161
Tesla	Model S 60 kWh	EV	102	190	293	23	112	215
Tesla	Model S 75 kWh	EV	102	190	293	23	112	215
Tesla	Model S AWD 60D	EV	96	179	276	17	100	197
Tesla	Model S AWD 75D	EV	99	184	284	20	106	206
Tesla	Model S AWD 90D	EV	96	179	276	17	100	197
Tesla	Model S AWD 100D	EV	99	184	284	20	106	206
Tesla	Model S AWD P90D	EV	105	196	302	26	117	223
Tesla	Model S AWD P100D	EV	105	196	302	26	117	223
Tesla	Model X AWD 60D	EV	108	201	310	29	123	232
Tesla	Model X AWD 75D	EV	108	201	310	29	123	232
Tesla	Model X AWD 90D	EV	111	207	319	32	128	240
Tesla	Model X AWD P90D	EV	114	212	328	35	134	249
Tesla	Model X AWD P100D	EV	117	218	336	38	139	258
VW	e-Golf	EV	84	157	241	20	93	177
BMW	330e	PHEV	287	331	382	215	258	310
BMW	740e xDrive	PHEV	324	373	430	241	290	347
BMW	I3 REX	PHEV	116	185	266	52	121	202
BMW	I8	PHEV	297	339	387	219	261	310
BMW	X5 xDrive40e	PHEV	371	424	485	278	330	392
Fiat-Chrysler	Pacifica	PHEV	207	270	345	120	184	258
Ford	C-MAX	PHEV	201	243	292	140	182	231
Ford	Fusion	PHEV	190	234	285	128	171	222
GM	CT6	PHEV	276	359	456	193	276	373
GM	Volt	PHEV	135	196	267	71	132	204
Hyundai	Sonata	PHEV	187	236	293	121	170	227
Kia	Optima	PHEV	178	227	284	113	162	219
Mercedes	C 350e	PHEV	319	362	413	244	288	338
Mercedes	GLE 550e 4MATIC	PHEV	434	489	553	332	387	451
Mercedes	S 550e	PHEV	349	402	465	263	316	379
Toyota	Prius Prime	PHEV	137	171	211	83	117	157
Volvo	XC90 AWD	PHEV	360	414	476	268	322	385
VW	A3 e-tron	PHEV	246	288	336	181	223	272
VW	Cayenne S	PHEV	400	468	546	303	370	449
	Average Car		**379**	**379**	**379**	**303**	**303**	**303**

Based on data from EPA's eGRID power plant database (Abt Associates 2017), and accounting for additional greenhouse gas emissions impacts for feedstock processing upstream of the power plant (Argonne 2017), EPA estimates that the electricity CO_2 emission factors for various regions of the country vary from 300 g CO_2/kW-hr in California to 862 g CO_2/kW-hr in the Midwest, with a national average of 559 g CO_2/kW-hr. Emission rates for small regions in upstate New York and Alaska have lower electricity upstream CO_2 emission rates than California. However, California is a good surrogate for the "low" end of the range because California is a leading market for current EVs and PHEVs. Initial sales of electric vehicles have been largely, though not exclusively, focused in regions of the country with power plant CO_2 emissions factors lower than the national average, such as California, New York, and other coastal areas. Accordingly, in terms of CO_2 emissions, EPA believes that the current "sales-weighted average" vehicle operating on electricity in the near term will likely fall somewhere between the low end of this range and the national average.[12]

The fourth through sixth columns in Table 7.5 provide the range of tailpipe plus *total* upstream CO_2 emissions for EVs and PHEVs based on regional electricity emission rates. For comparison, the average MY 2017 car is also included in the last row of Table 7.5. The methodology used to calculate the range of tailpipe plus total upstream CO_2 emissions for EVs is shown in the following example for the MY 2017 Nissan Leaf:

- Start with the label (5-cycle values weighted 55% city/45% highway) vehicle electricity consumption in kW-hr/mile, which for the Leaf is 30 kW-hr/100 miles, or 0.30 kW-hr/mile
- Determine the regional powerplant emission rate, regional losses during electricity distribution, and the additional regional emissions due to fuel production upstream of the powerplant (for California, these numbers are 258 g/kW-hr, 4.8%, and 10.9%).
- Determine the regional upstream emission factor (for California 258 g/kW-hr / (1-0.048) * (1+0.109) = 300 g CO_2/kW-hr)[13]
- Multiply by the range of Low (California = 300g CO_2/kW-hr), Average (National Average = 559 g CO_2/kW-hr), and High (Midwest = 862 g CO_2/kW-hr) electricity upstream CO_2 emission rates, which yields a range for the Leaf of 90-259 grams CO_2/mile.

The tailpipe plus total upstream CO_2 emissions values for PHEVs include the upstream CO_2 emissions due to electricity operation and both the tailpipe and upstream CO_2 emissions due to gasoline operation, using the utility factor discussed above to weight the values for electricity and gasoline operation. The tailpipe plus total upstream CO_2 emissions values for the average car are the average adjusted MY 2017 car tailpipe CO_2 emissions (from Table 4.3) multiplied by 1.25 to account for upstream emissions due to gasoline production.

[12] To estimate the upstream greenhouse gas emissions associated with operating an EV or PHEV in a specific geographical area, use the emissions calculator at www.fueleconomy.gov/feg/Find.do?action=bt2.

[13] The actual calculations were done with unrounded numbers. Using the rounded numbers provided here may result in a slightly different number due to rounding error.

The values in columns four through six are tailpipe plus *total* upstream CO_2 emissions. But, all of the gasoline and diesel vehicle CO_2 emissions data in the rest of this report refer to tailpipe only emissions and do not reflect the upstream emissions associated with gasoline or diesel production and distribution. Accordingly, in order to equitably compare the overall relative impact of EVs and PHEVs with tailpipe emissions of petroleum-fueled vehicles, EPA uses the metric "tailpipe plus *net* upstream emissions" for EVs and PHEVs (note that this same approach has been adopted for EV and PHEV regulatory compliance with the 2012-2025 light-duty vehicle GHG emissions standards for sales of EVs and PHEVs in MY 2012-2016 and MY 2022-2025 that exceed sales thresholds). The net upstream emissions for an EV is equal to the total upstream emissions for the EV minus the upstream emissions that would be expected from a comparable-sized (size is a good first-order measure for utility and footprint is the size-based metric used for standards compliance) gasoline vehicle. The net upstream emissions for PHEVs are equal to the net upstream emissions of the PHEV due to electricity consumption in electric or blended mode multiplied by the utility factor. The net upstream emissions for a gasoline vehicle are zero.

For each EV or PHEV, the upstream emissions for a comparable gasoline vehicle are determined by first using the footprint based compliance curves to determine the CO_2 compliance target for a vehicle with the same footprint. Since upstream emissions account for approximately 20% of total CO_2 emissions for gasoline vehicles, the upstream emissions for the comparable gasoline vehicle are equal to one fourth of the tailpipe-only compliance target.

The final three columns of Table 7.5 give the tailpipe plus net upstream CO_2 values for EVs and PHEVs using the same Low, Average, and High electricity upstream CO_2 emissions rates discussed above. These values bracket the possible real world net CO_2 emissions that would be associated with consumer use of these vehicles. For the Leaf, these values are simply the values in columns four through six minus the upstream GHG emissions of a comparably sized gasoline vehicle. Based on the MY 2017 CO_2 footprint curve, the 5-cycle tailpipe GHG emissions for a Leaf-sized gasoline vehicle meeting its compliance target would be close to 263 grams/mi, with upstream emissions of one-fourth of this value, or 66 g/mi. The net upstream for the Leaf are determined by subtracting this value, 66 g/mi, from the total (tailpipe + total upstream) emissions for the Leaf. The result is a range for the tailpipe plus net upstream value of 24-193 g/mile as shown in Table 7.5, with a more likely sales-weighted value in the 24-102 g/mi range.

For PHEVs, the tailpipe plus net upstream emissions values use the utility factor values discussed above to weight the individual values for electric operation and gasoline operation.

The number of AFVs available and total AFV sales continues to increase. This report will continue to track the metrics presented in this section and report on trends in AFV CO_2 emissions and fuel economy as more models are introduced and more data becomes available in future years.

B. Alternative AFV Metrics

Determining metrics for AFVs that are meaningful and accurate is challenging. In particular, vehicles that are capable of using dual fuels, such as PHEVs, can have complicated modes of operation that make it difficult to determine meaningful metrics. In this section, we have reported and discussed several metrics that are used on the EPA/DOT Fuel Economy and Environment Labels and in a regulatory context, namely "mpge," tailpipe CO_2 emissions, and net upstream GHG emissions. There are, however, other ways that AFV operation can be quantified.

Other energy metric options that could be considered include 1) mpge plus net fuel life-cycle energy, which would also reflect differences in upstream energy consumption in producing the alternative fuel relative to gasoline-from-oil; and 2) miles per gallon of petroleum, which would only count petroleum use and not other forms of energy. Compared to mpge, using the mpge plus net fuel life-cycle energy metric would generally result in lower numerical fuel economy values, and using the miles per gallon of petroleum metric would yield higher fuel economy values.

C. Additional Note on PHEV Calculations

Calculating fuel economy and CO_2 emission values for PHEVs is a complicated process, as discussed in this section. The examples given for individual vehicles were based on calculations behind the EPA/DOT Fuel Economy and Environment Labels. In addition to the approach used for the labels, there are multiple methods for determining utility factors depending on the intended use of the value. The standardized utility factor calculations are defined in the Society of Automobile Engineers (SAE) document SAE J2841.

The utility factors that are used for fleetwide calculations are somewhat different than those used to create label values. For label values, multi-day individual utility factors (MDIUF) are used to incorporate "a driver's day to day variation into the utility calculation." For fleetwide calculations, fleet utility factors (FUF) are applied to "calculate the expected fuel and electric consumption of an entire fleet of vehicles." Since the Trends report is generally a fleetwide analysis, the FUF utility factors were applied, instead of the MDIUF utility factors, when the data was integrated with the rest of the fleet data. Additionally, since Trends uses a 43% city, 57% highway weighting for combining adjusted fuel economy and CO_2 data, the FUF utility factors created for Trends were based on that weighting, not on 55% city, 45% highway weighting used on labels (see section 10 for a discussion of city and highway weighting).

8 High Fuel Economy/Low CO_2 and Advanced Technology Choices

Consumers shopping for vehicles with comparatively high fuel economy and low tailpipe CO_2 emissions have more vehicles to choose from in MY 2017 than MY 2012. These choices reflect a more diverse range of technology packages on conventional gasoline and diesel vehicles, as well as an increasing number of electric and plug-in hybrid electric vehicle offerings. Section 5 analyzes important trends for a number of vehicle technologies. Section 7 provides data on individual alternative fuel vehicle models such as electric vehicles, plug-in hybrid electric vehicles, and hydrogen fuel cell vehicles. This section focuses specifically on trends related to the fuel economy and advanced vehicle purchase choices available to consumers in the new vehicle market.

A. Methodology

There are some important methodological differences in the analysis in this section relative to Sections 1-6. First, the data in this section are not weighted by vehicle production levels, but instead reflect "model counts." To an individual consumer in the market for a new vehicle, the number of models available to purchase may be more relevant than the production level of a particular model. Second, the analysis in this section focuses on the changes between MY 2012 and MY 2017, rather than trends over multiple decades. These two model years are used because a 5-year period is long enough to identify meaningful multi-year trends.

This "model count" analysis requires assumptions about how to define a model. Our objective is to count models that are generally marketed and perceived by consumers to be unique vehicle choices, but not to count multiple configurations that are generally marketed and perceived to be the same model. The application of this approach requires considerable judgment, and we have made every effort to be consistent for both MY 2012 and MY 2017. The most important guidelines used to classify vehicle configurations into unique "models" for this analysis are:

- Vehicles with the same name are generally counted as one model (e.g., all Honda Civics are counted as one model), with exceptions noted below. Vehicle options included as one model include:
    - Engine and transmission options (including hybrid, diesel, CNG, EV, PHEV, turbo, and ECO variants)
    - 2WD and 4WD versions
    - Trim levels
    - Convertible, hatchback, and wagon body styles
    - FFV and non-FFV models
    - BMW series. For example, all BMW 5 series variants are included as one model, including the ActiveHybrid 5
    - Range Rover and Range Rover Sport

- Generally, performance and non-performance vehicles are counted as one model, even if they have distinct names. Vehicle variants counted as one model include:
    - Audi A4 and Audi S4
    - BMW M3 in included in the BMW 3 series
    - Volkswagen Golf and Volkswagen GTI
- Vehicles that are substantially similar, but are marketed and sold by multiple divisions, (often called "twins") are counted as separate models. For example:
    - Chevrolet Equinox and GMC Terrain are counted as separate models
    - Chrysler Town & Country and Dodge Grand Caravan are counted as separate models
- Vehicles that are generally marketed as distinct models are counted as separate models. For example:
    - Prius, Prius v and Prius c are counted as distinct models
- The Mini Cooper vehicles are grouped and counted as four models (Mini Cooper, Mini Cooper Roadster, Mini Cooper Clubman, Mini Cooper Countryman/Paceman), generally based on wheelbase, with multiple trim models within each wheelbase counted as the same model

These "model count" guidelines resulted in a 4% difference in the total number of models available to consumers across the industry in MY 2012 and MY 2017: there are approximately 281 models for MY 2012 and 292 for MY 2017.

Finally, the last methodological difference between this section and most other sections of this report is that fuel economy values are aligned with the Fuel Economy and Environment label in order to be consistent with the information available to consumers. The combined fuel economy values used in Figure 8.1 are based on the 55% city/45% highway weighting used on fuel economy labels, and not on the 43% city/57% highway weighting used for adjusted fuel economy values presented elsewhere in this report. For PHEVs, the mpge value is the combined, utilitized value. These values can be found in the "Overall Fuel Economy" column of Table 7.3. Data for MY 2017 are preliminary and will be finalized in next year's report.

In this analysis, vehicle types are simplified into four broader categories: cars, SUVs, pickups, and minivans/vans (most vehicles labeled as "special purpose vehicles" are shaped like vans and are included in the minivan/van category). All SUVs are combined into a single category and are not split into car SUVs and truck SUVs as is done for compliance with standards and elsewhere in this report. See Section 3.B for more details about vehicle types.

EPA has updated fuel economy labeling guidance for vehicles beginning in MY 2017. This action resulted in small changes to fuel economy label values for derived 5-cycle vehicles. Consistent with the rest of this year's Trends report, and with fueleconomy.gov, fuel economy values for derived 5-cycle vehicles in MY 2011–2016 have also been updated with the new methodology, providing an apples-to-apples comparison in this section. The fuel economy values in this year's report are not directly comparable to last year's report, in part due to these updates. See Section 10.C for more information about the derived 5-cycle updates.

B. High Fuel Economy Vehicle Offerings

Figure 8.1 shows the change from MY 2012 to MY 2017 in the number of models for which at least one model variant meets various fuel economy thresholds. If at least one variant of an individual model meets a threshold (e.g., cars with fuel economy greater than 30 mpg), the model is counted only once, regardless of the number of model variants that meet the threshold. For instance, if hybrid, CNG, and gasoline variant Honda Civics exceed 30 mpg, only one Civic is counted as exceeding 30 mpg. The threshold values for EVs, PHEVs, FCVs, and CNG vehicles that are represented in Figure 8.1 use miles per gallon of gasoline-equivalent (mpge), i.e., the miles the vehicle can travel on an amount of electricity, compressed natural gas, or hydrogen that has the same amount of energy as a gallon of gasoline. See Section 7 for a detailed discussion of mpge and electric, plug-in hybrid, and hydrogen fuel cell vehicles.

Figure 8.1

Number of Models Meeting Fuel Economy Thresholds in MY 2012 and 2017

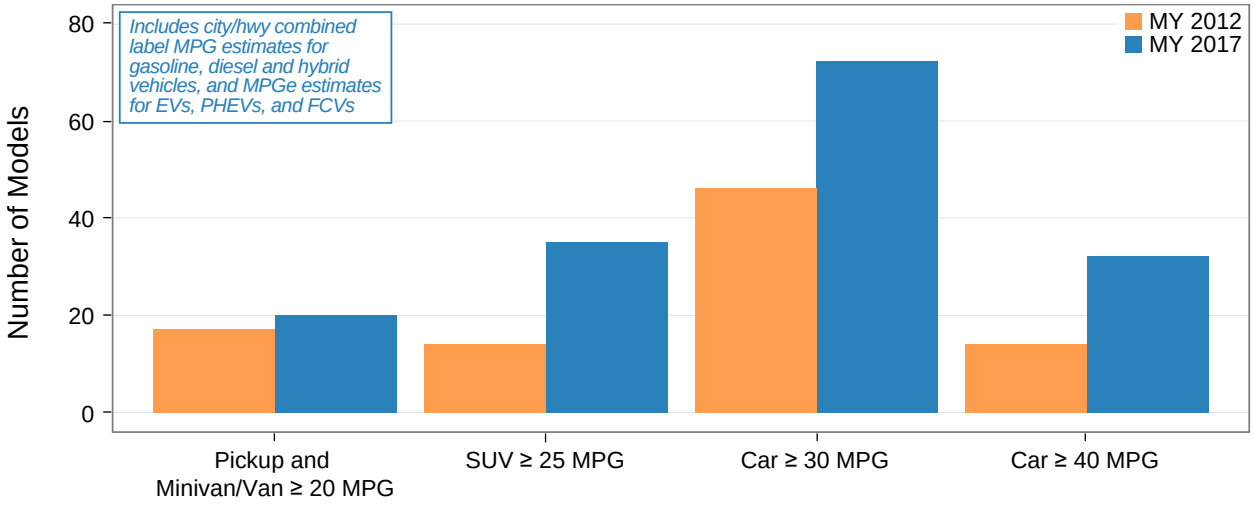


Figure 8.1 shows that there are 20 MY 2017 pickup and minivan/van models for which at least one variant of the model has a label fuel economy of 20 mpg or more, a small increase over MY 2012. Ten minivans/vans met or exceeded a 20 mpg threshold in MY 2012, and in MY 2017 eleven minivans/vans meet the 20 mpg threshold. The fuel economy label has two classification categories for pickups, based on their gross vehicle weight rating: small pickups and standard pickups. In MY 2012, the only standard-sized pickups that crossed the 20 mpg threshold were hybrids, whereas in MY 2017, four standard-sized, non-hybrid pick-ups crossed the threshold (two of the MY 2017 standard pickups also have hybrid variants that cross the 20 mpg threshold). In MY 2017 two small pickups and three minivan/vans achieved at least 25 mpg.

More than twice as many MY 2017 SUV models achieved 25 mpg or above compared to MY 2012. Of the SUVs that achieved 25 mpg in MY 2012, ten out of 14 models had at least one

non-hybrid gasoline variant that crossed the threshold. In MY 2017, 26 of the 35 SUV models that achieved at least 25 mpg had at least one non-hybrid, gasoline or diesel variant that crossed the threshold. There were also two electric, one hydrogen fuel cell, four PHEV, and seven hybrid SUVs variants that achieve at least 25 mpg; these total to more than the number of models shown in Figure 8.1 because three of the hybrid, one of the plug-in hybrid electric, and the fuel-cell SUVs also have either a diesel or gasoline variant that crosses the 25 mpg threshold.

In MY 2017, there are more than 70 car models available for which at least one variant has a label fuel economy of 30 mpg or more, compared to 46 car models in MY 2012. Of MY 2017 car models that achieve greater than or equal to 30 mpg, 40 models reach this threshold with at least one conventional gasoline or diesel variant, compared to 27 models in MY 2012. More than 30 MY 2017 cars achieve 40 mpg or higher, compared to 14 in MY 2012. In addition, 22 of the MY 2017 cars have at least one variant that achieves 50 mpg or higher, compared to nine cars in MY 2012. All of the MY 2017 cars that achieve at least 40 mpg consist of hybrid vehicles, electric vehicles, plug-in hybrid electric vehicles, and fuel cell vehicles.

Summing the first three categories (pickups and minivans/vans >=20 mpg, SUV's >= 25 mpg, and cars >= 30 mpg), there is an increase of 50 models from MY 2012 to MY 2017. There is no difference from last year (MY 2016 to MY 2017) for the same three categories.

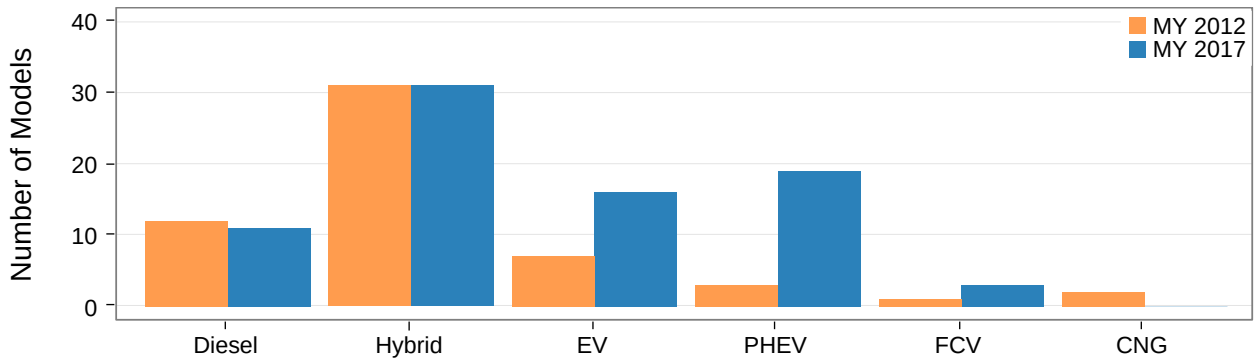
C. Advanced Technology Vehicle Offerings

Figure 8.2 shows that there are a growing number of electric vehicles and plug-in hybrid electric vehicle models. From MY 2012 to MY 2017, the number of EVs has increased from seven to 16, and the number of PHEVs has increased from three to 19. Over the same period, the number of hybrid offerings has stayed the same, and the number of diesel offerings has decreased slightly. In MY 2012, there were two CNG vehicle offerings and one fuel cell vehicle, and in MY 2017 there are no OEM CNG vehicles, but there are three fuel cell vehicles.[14] For a more detailed discussion of hybrid and diesel vehicles, see Section 5B; see Section 7 for more information about alternative fuel vehicles; see section 5C for more details about trends in alternative fuel vehicles.

For Figure 8.2, the "model count" methodology is modified slightly to allow models that have more than one alternative fuel variant to be counted in each alternative fuel category (e.g., a Ford Fusion is available as both a hybrid and PHEV, so the model was counted once in each category).

Figure 8.2

Advanced Technology and Alternative Fuel Vehicle Models in MY 2012 and 2017



[14] Some advanced technology vehicles are generally available only in selected markets.

9 Regulatory Context

A. Personal Vehicle Fuel Economy and Greenhouse Gas Emissions Standards

National fuel economy standards have been in place in the United States for cars and light trucks since 1978. The Department of Transportation, through the National Highway Traffic Safety Administration (NHTSA), has the responsibility for setting and enforcing fuel economy standards through the Corporate Average Fuel Economy (CAFE) program. Since the inception of fuel economy standards, EPA has been responsible for establishing fuel economy test procedures and calculation methods, and for collecting data used to determine vehicle fuel economy and manufacturer CAFE levels.

EPA, NHTSA, and the California Air Resources Board developed coordinated fuel economy and greenhouse gas standards that apply to MY 2012 through MY 2025[15] vehicles. These standards, also called the "National Program," are expected to provide continuous increases in fuel economy and reductions in greenhouse gas emissions, while ensuring consumer choice and allowing manufacturers to meet all regulatory requirements simultaneously. As part of the rulemaking process, EPA committed to conduct a Midterm Evaluation (MTE) to review the appropriateness of the MY 2022 to MY 2025 standards. The MTE review is currently in progress[16] and a final determination is expected by April 1, 2018.

Prior to the National Program, truck CAFE standards were constant from MY 1996-2004 and then began to increase in MY 2005. Car CAFE standards were constant from MY 1990 until MY 2010.

Automaker compliance with CO_2 and CAFE standards is based on unadjusted, laboratory CO_2 and fuel economy values, along with various regulatory incentives and credits, rather than on the adjusted CO_2 and fuel economy values that are used throughout most of this report. Neither unadjusted, laboratory nor adjusted CO_2 and fuel economy values reflect various incentives (e.g., for flexible fuel vehicles for CAFE standards) and credits (air conditioner and other off-cycle technologies for CO_2 standards) that are available to manufacturers. Adjusted CO_2 values are, on average, about 25% higher than the unadjusted, laboratory CO_2 values, and adjusted fuel economy values are about 20% lower, on average, than unadjusted fuel economy values. EPA (at www.epa.gov/regulations-emissions-vehicles-and-engines/ghg-emission-standards-light-duty-vehicles-manufacturer) and NHTSA (at www.nhtsa.gov/Laws-&-Regulations/CAFE-–-Fuel-Economy) publish separate documents summarizing formal automaker compliance with GHG emissions and CAFE standards.

[15] See 75 Federal Register 25324, May 7, 2010 and 77 Federal Register 62624, October 15, 2012

[16] For more information on EPA's midterm review, see https://www.epa.gov/regulations-emissions-vehicles-and-engines/midterm-evaluation-light-duty-vehicle-greenhouse-gas

B. Current Vehicles That Meet Future EPA CO_2 Emissions Compliance Targets

This section evaluates MY 2017 vehicles against future footprint-based CO_2 emission targets to determine which current vehicles could meet or exceed their targets in model years 2020-2025, based on current powertrain designs. These comparisons assume future improvements in air conditioner refrigerants and efficiency, since these improvements are considered to be among the least expensive methods to reduce greenhouse gas emissions. The analysis also assumes that manufacturers will receive, on average, 5 grams/mile of off-cycle credits in all years.

It is important to note that there are no CO_2 emissions standards for individual vehicles. Overall manufacturer compliance is determined based on the manufacturer specific production-weighted average footprint and CO_2 emissions. It is fully expected that there will be a distribution of how manufacturers' vehicles compare to their fuel economy targets; some will be above their targets and some will be below. Manufacturers will likely be able to achieve compliance with roughly 50% of their vehicles meeting or exceeding the standards.

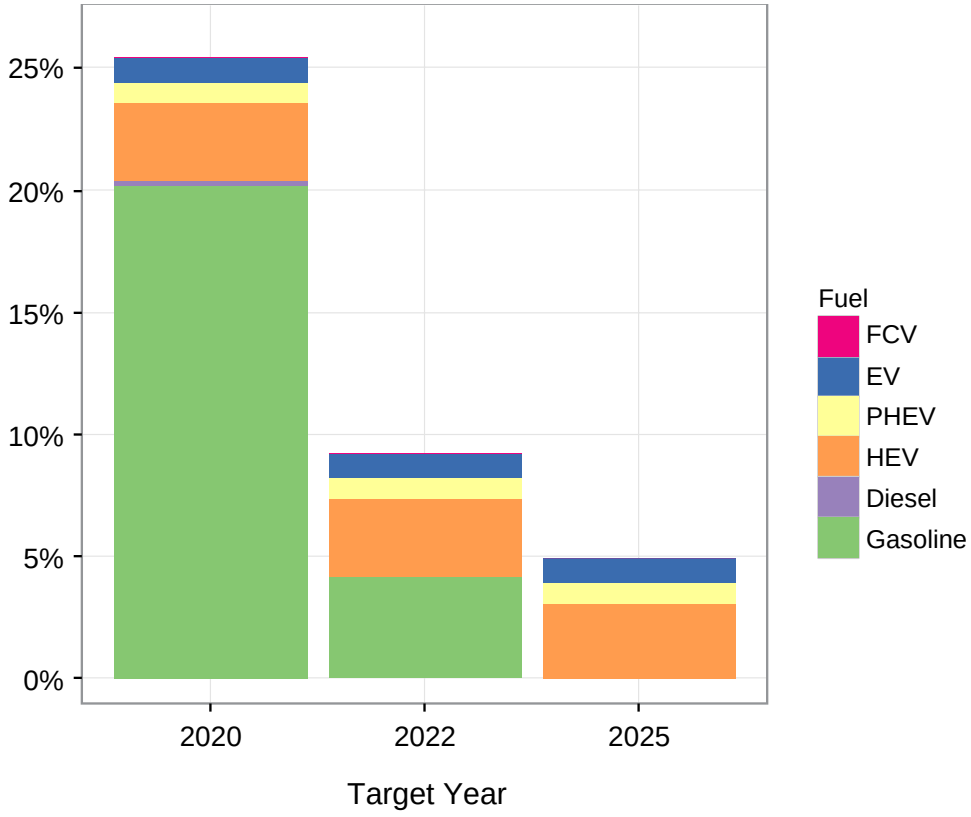
Figure 9.1 shows that 26% of projected MY 2017 vehicle production already meets or exceeds the MY 2020 CO_2 targets, with the addition of expected air conditioning improvements and off-cycle credits. This represents approximately 4.5 million vehicles per year being sold today. The number of vehicles meeting or exceeding the MY 2020 standards has steadily increased with each model year. Including air conditioning and off-cycle credits, less than 5% of MY 2012 vehicles met or exceeded the MY 2020 standards, the majority of which were hybrids. By MY 2017, improvements in non-hybrid gasoline vehicles led to 26% of MY 2017 vehicles meeting or exceeding the MY 2020 standards.

Looking ahead, nearly 5% of projected 2017 production already meets the MY 2025 CO_2 targets. Vehicles meeting the MY 2025 CO_2 targets are comprised solely of hybrids, plug-in hybrids, electric vehicles, and fuel cell vehicles.

Previous editions of this report presented analysis without the 5 gram/mile off-cycle credits. Without these credits, about 19% of MY 2017 vehicles meet or exceed the MY 2020 standards. The actual amount of off-cycle credits claimed by manufacturers for MY 2016 was, on average, about 3 grams/mile. This value has increased every year since off-cycle credits became available in MY 2012 and is likely to continue growing. For more information on off-cycle credits, see EPA's Manufacturer Performance Report at www.epa.gov/regulations-emissions-vehicles-and-engines/ghg-emission-standards-light-duty-vehicles-manufacturer.

Figure 9.1

MY 2017 Vehicle Production That Meets or Exceeds Future CO_2 Emission Targets



C. Comparison of EPA and NHTSA Fuel Economy Data, 1975-2017

Table 9.1 compares CAFE performance data reported by NHTSA (available at https://one.nhtsa.gov/cafe_pic/CAFE_PIC_Home.htm) with the adjusted and unadjusted, laboratory fuel economy data in this report. With only minor exceptions over 30 years ago, the NHTSA values are higher than the EPA unadjusted, laboratory values, due primarily to alternative fuel vehicle credits, and secondarily to test procedure adjustment factors for cars. In recent years for which both Agencies report final data, the NHTSA values are typically 0.6-1.0 mpg higher than the EPA unadjusted, laboratory values. MY 2015 is the most recent year for which both agencies report final data, and NHTSA's final CAFE performance value is 0.8 mpg higher than EPA's final unadjusted, laboratory value. Final MY 2016 results will be reported when made available by NHTSA.

The individual EPA car and truck fuel economy values shown in Table 9.1 for years prior to MY 2011 differ from the values found elsewhere in this report. Beginning with the 2011 report, EPA reclassified many small and mid-sized, 2-wheel drive SUVs from trucks to cars for the entire historical database. This reflects a regulatory change made by NHTSA for CAFE standards beginning in MY 2011 and applies to the joint EPA/NHTSA greenhouse gas emissions and CAFE standards that have been finalized for MY 2012-2025. These changes were not in effect for years prior to MY 2011, and accordingly NHTSA's CAFE fuel economy values prior to MY 2011 are based on the previous car and truck definitions. To enable an apples-to-apples comparison to the NHTSA values, the EPA car and truck values in Table 9.1 through model year 2010 were calculated using the previous car and truck definitions, which is not consistent with the rest of this report. While the individual car and truck values in Table 9.1 are unique, the car and truck definitions do not affect the overall (car plus truck) fuel economy values, which are consistent with the rest of this report.

Table 9.1

EPA Adjusted, EPA Unadjusted Laboratory, and CAFE Values by Model Year

	Car				Truck				Both Car and Truck			
Model Year	EPA Adj. (MPG)	EPA Unadj. (MPG)	NHTSA CAFE (MPG)	Diff. (MPG)	EPA Adj. (MPG)	EPA Unadj. (MPG)	NHTSA CAFE (MPG)	Diff. (MPG)	EPA Adj. (MPG)	EPA Unadj. (MPG)	NHTSA CAFE (MPG)	Diff. (MPG)
1975	13.5	15.8	N/A	-	11.6	13.7	N/A	-	13.1	15.3	N/A	-
1976	14.9	17.5	N/A	-	12.2	14.4	N/A	-	14.2	16.7	N/A	-
1977	15.6	18.3	N/A	-	13.3	15.6	N/A	-	15.1	17.7	N/A	-
1978	16.9	19.9	19.9	0.0	12.9	15.2	N/A	-	15.8	18.6	19.9	+1.3
1979	17.2	20.3	20.3	0.0	12.5	14.7	18.2	+3.5	15.9	18.7	20.1	+1.4
1980	20.0	23.5	24.3	+0.8	15.8	18.6	18.5	-0.1	19.2	22.5	23.1	+0.6
1981	21.4	25.1	25.9	+0.8	17.1	20.1	20.1	-	20.5	24.1	24.6	+0.5
1982	22.2	26.0	26.6	+0.6	17.4	20.5	20.5	-	21.1	24.7	25.1	+0.4
1983	22.1	25.9	26.4	+0.5	17.8	20.9	20.7	-0.2	21.0	24.6	24.8	+0.2
1984	22.4	26.3	26.9	+0.6	17.4	20.5	20.6	+0.1	21.0	24.6	25.0	+0.4
1985	23.0	27.0	27.6	+0.6	17.5	20.6	20.7	+0.1	21.3	25.0	25.4	+0.4
1986	23.7	27.9	28.2	+0.3	18.2	21.4	21.5	+0.1	21.8	25.7	25.9	+0.2
1987	23.8	28.1	28.5	+0.4	18.3	21.6	21.7	+0.1	22.0	25.9	26.2	+0.3
1988	24.1	28.6	28.8	+0.2	17.9	21.2	21.3	+0.1	21.9	25.9	26.0	+0.1
1989	23.7	28.1	28.4	+0.3	17.6	20.9	21.0	+0.1	21.4	25.4	25.6	+0.2
1990	23.3	27.8	28.0	+0.2	17.4	20.7	20.8	+0.1	21.2	25.2	25.4	+0.2
1991	23.4	28.0	28.4	+0.4	17.8	21.3	21.3	-	21.3	25.4	25.6	+0.2
1992	23.1	27.6	27.9	+0.3	17.4	20.8	20.8	-	20.8	24.9	25.1	+0.2
1993	23.5	28.2	28.4	+0.2	17.5	21.0	21.0	-	20.9	25.1	25.2	+0.1
1994	23.3	28.0	28.3	+0.3	17.2	20.8	20.8	-	20.4	24.6	24.7	+0.1
1995	23.4	28.3	28.6	+0.3	17.0	20.5	20.5	-	20.5	24.7	24.9	+0.2
1996	23.3	28.3	28.5	+0.2	17.2	20.8	20.8	-	20.4	24.8	24.9	+0.1
1997	23.4	28.4	28.7	+0.3	17.0	20.6	20.6	-	20.1	24.5	24.6	+0.1
1998	23.4	28.5	28.8	+0.3	17.1	20.9	21.0	+0.1	20.1	24.5	24.7	+0.2
1999	23.0	28.2	28.3	+0.1	16.7	20.5	20.9	+0.4	19.7	24.1	24.5	+0.4
2000	22.9	28.2	28.5	+0.3	16.9	20.8	21.3	+0.5	19.8	24.3	24.8	+0.5
2001	23.0	28.4	28.8	+0.4	16.7	20.6	20.9	+0.3	19.6	24.2	24.5	+0.3
2002	23.1	28.6	29.0	+0.4	16.7	20.6	21.4	+0.8	19.5	24.1	24.7	+0.6
2003	23.2	28.9	29.5	+0.6	16.9	20.9	21.8	+0.9	19.6	24.3	25.1	+0.8
2004	23.1	28.9	29.5	+0.6	16.7	20.8	21.5	+0.7	19.3	24.0	24.6	+0.6
2005	23.5	29.5	30.3	+0.8	17.2	21.4	22.1	+0.7	19.9	24.8	25.4	+0.6
2006	23.3	29.2	30.1	+0.9	17.5	21.8	22.5	+0.7	20.1	25.2	25.8	+0.6
2007	24.1	30.3	31.2	+0.9	17.7	22.1	23.1	+1.0	20.6	25.8	26.6	+0.8
2008	24.3	30.5	31.5	+1.0	18.2	22.7	23.6	+0.9	21.0	26.3	27.1	+0.8
2009	25.4	32.1	32.9	+0.8	19.0	23.8	24.8	+1.0	22.4	28.2	29.0	+0.8
2010	25.8	32.7	33.9	+1.2	19.1	23.8	25.2	+1.4	22.6	28.4	29.3	+0.9
2011	25.4	32.3	33.1	+0.8	19.1	23.9	24.7	+0.8	22.3	28.1	29.0	+0.9
2012	26.9	34.4	35.3	+0.9	19.3	24.1	25.0	+0.9	23.6	29.9	30.8	+0.9
2013	27.7	35.5	36.4	+0.9	19.8	24.8	25.7	+0.9	24.2	30.7	31.6	+0.9
2014	27.6	35.6	36.5	+0.9	20.3	25.5	26.5	+1.0	24.1	30.7	31.7	+0.8
2015	28.2	36.5	37.2	+0.7	21.1	26.5	27.3	+0.8	24.6	31.4	32.2	+0.8
2016	28.5	36.9			21.2	26.8			24.7	31.6		
2017 (prelim)	*29.1*	*37.9*			*21.2*	*26.8*			*25.2*	*32.3*		

D. Comparison of MY 2016 Unadjusted, Laboratory and Estimated CAFE Data by Manufacturer

The primary differences between EPA unadjusted, laboratory fuel economy data and EPA estimated CAFE values are flexible fuel vehicle (FFV) credits that are available to manufacturers that produce vehicles capable of operation on an alternative fuel (E85, a blend of 85 percent ethanol and 15 percent gasoline), and test procedure adjustment (TPA) credits that apply to manufacturers of passenger cars. Table 9.2 shows how the unadjusted, laboratory fuel economy values in this report, FFV credits, and TPA credits "add up" to estimated CAFE values for each of the thirteen highest volume manufacturers for cars, trucks, and cars plus trucks.

The data for this report, the CAFE compliance program, and EPA's GHG compliance program are all based on data submitted to EPA and NHTSA by automobile manufacturers. The FFV credits, TPA credits, and estimated CAFE values were all obtained directly from the fuel economy compliance program. Alternative fueled vehicles (AFVs) are included in the EPA laboratory and estimated CAFE values, however some AFVs receive additional credits under CAFE that are not accounted for in this report. In most cases the sum of the EPA values shown in this report, the FFV credits, and the TPA credits are within 0.1 mpg of the estimated CAFE value for cars, trucks, and cars and trucks combined. Any discrepancy is largely due to the additional credits for AFVs under CAFE.

The CAFE program recognizes three categories, domestic passenger vehicles, import passenger vehicles, and light trucks and establishes separate compliance requirements for each. The passenger car FFV, TPA, and estimated CAFE numbers in Table 9.2 are calculated from the domestic and import passenger vehicle categories. The truck values were obtained directly (trucks are not eligible for TPA credits). The combined car and truck FFV and TPA credits were generated using car and truck sales. This column is shown for illustrative purposes only, since there are no CAFE standards for combined cars and trucks.

For MY 2016, three of the top 11 manufacturers (excluding Fiat-Chrysler and VW) earned FFV credits for cars and four manufacturers did so for trucks. For MY 2016, FFV credits are capped at 0.8 mpg for cars and trucks. All manufacturers were eligible for the TPA credits for cars.

Table 9.2

*Comparison of MY 2016 EPA Unadjusted, Laboratory and Estimated CAFE (MPG) Values by Manufacturer**

	Passenger Car				Light Truck				Both Car and Truck			
Manufacturer	EPA Unadj., Lab	FFV Credit	TPA Credit	Est. CAFE*	EPA Unadj., Lab	FFV Credit	TPA Credit	Est. CAFE*	EPA Unadj., Lab	FFV Credit	TPA Credit	Est. CAFE*
GM	34.1	0.7	0.3	35.1	24.4	0.8	0.0	25.2	28.2	0.8	0.1	29.1
Toyota	39.5	0.0	0.4	39.9	25.9	0.8	0.0	26.7	32.2	0.5	0.1	32.9
Ford	35.0	0.8	0.3	36.1	25.1	0.8	0.0	25.9	28.9	0.8	0.1	29.8
Honda	41.7	0.0	0.5	42.1	31.2	0.0	0.0	31.2	36.7	0.0	0.2	36.9
Nissan	40.1	0.0	0.3	40.5	30.1	0.0	0.0	30.1	36.5	0.0	0.2	36.7
Kia	36.1	0.0	0.4	36.6	27.2	0.0	0.0	27.2	33.7	0.0	0.3	34.0
Hyundai	37.8	0.0	0.4	38.2	26.4	0.0	0.0	26.4	37.4	0.0	0.4	37.7
Subaru	36.7	0.0	0.3	36.9	36.5	0.0	0.0	36.5	36.6	0.0	0.1	36.6
Mazda	41.6	0.0	0.5	42.1	34.2	0.0	0.0	34.2	38.8	0.0	0.3	39.1
BMW	33.9	0.0	0.3	34.1	28.8	0.0	0.0	28.8	32.4	0.0	0.2	32.6
Mercedes	32.9	0.6	0.2	33.8	26.1	0.8	0.0	26.9	30.3	0.7	0.1	31.1
VW	*35.8*	*0.7*	*0.3*	*36.8*	*28.1*	*0.8*	*0.0*	*28.9*	*33.8*	*0.7*	*0.2*	*34.8*
Fiat-Chrysler	*30.8*	*0.8*	*0.2*	*31.8*	*25.6*	*0.8*	*0.0*	*26.4*	*27.0*	*0.8*	*0.1*	*27.9*

* EPA calculates the CAFE value for each manufacturer and provides to NHTSA per EPCA. NHTSA publishes the final CAFE values in its annual "Summary of Fuel Economy Performance" reports at www.nhtsa.gov/Laws-&-Regulations/CAFE-—-Fuel-Economy.

* Note: *Volkswagen and FCA (Fiat-Chrysler) are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide or "All" values. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports.*

10 Additional Database and Report Details

This section addresses several Trends database topics in greater detail. While the key parameters were highlighted in Section 1, this section will help those readers who want to further understand how the database is developed and various nuances associated with the database.

A. Sources of Input Data

Nearly all of the recent model year input for the Trends database is extracted from EPA's current vehicle compliance information system, VERIFY, into which automakers submit data required by congressional statute and EPA regulations. Prior to the beginning of each model year, automakers submit General Label information required to support the generation of the joint EPA/NHTSA Fuel Economy and Environment Labels that appear on all new personal vehicles. Automakers report pre-model year vehicle production projections for individual models to EPA in the General Label submissions; these projections are considered by EPA and automakers to be confidential business information. A few months after the end of each model year, automakers submit Final GHG/CAFE data, which EPA and NHTSA use to determine compliance with GHG emissions and CAFE standards. These end-of-the-year submissions include final production volumes. The production volume levels automakers provide in their Final CAFE reports may differ slightly from their Final GHG reports (less than 0.1%) because the EPA emissions certification regulations, including GHG regulations, require emission compliance in the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands, whereas the CAFE program requires data from the 50 states, the District of Columbia and Puerto Rico only. To maintain consistency with previous versions of this report, the Trends database continues to use the production volumes for CAFE reporting. Both the General Label and Final GHG/CAFE data submissions contain a broad amount of data associated with CO_2 emissions and fuel economy, vehicle and engine technology, and vehicle performance metrics. The Trends database extracts only a portion of the data from the VERIFY database.

Through MY 2016, all Trends data is considered final since it is based on the Final GHG/CAFE compliance data. For MY 2017, all Trends data is preliminary since it is based on confidential pre-model year production projections. Final MY 2017 values will be published in next year's report. See Section 10.G below for a historical comparison of preliminary and final values.

While nearly the entire Trends database comes from formal automaker submissions, it also contains a small amount of data from external sources. For example, label fuel economy data for Sections 7 and 8 are from www.fueleconomy.gov. Also, we rely on published data from external sources for certain parameters of pre-MY 2011 vehicles, which are not universally

available through automaker submissions: (1) engines with variable valve timing (VVT); (2) engines with cylinder deactivation; and (3) vehicle footprint, which is the product of wheelbase times average track width and upon which CO_2 emissions and CAFE standards are based. Beginning with MY 2011, automaker submissions have included data for VVT and cylinder deactivation. EPA projects footprint data for the preliminary MY 2017 fleet based on footprint values for existing models from previous years and footprint values for new vehicle designs available through public sources. Finally, vehicle 0-to-60 acceleration values are not provided by automakers, but are either calculated from other Trends data, as discussed in Section 3, or taken from external sources.

B. Harmonic Averaging of Fuel Economy Values

Averaging multiple fuel economy values must be done harmonically in order to obtain a correct mathematical result. Since fuel economy is expressed in miles per gallon (mpg), one critical assumption with any harmonic averaging of multiple fuel economy values is whether the distance term (miles, in the numerator of mpg) is fixed or variable. This report makes the assumption that the distance term in all mpg values is fixed, i.e., that for purposes of calculating a harmonically averaged fuel economy value, it is assumed that the distance term (representing miles travelled) is equivalent across various vehicle fuel economies. This assumption is the standard practice with harmonic averaging of multiple fuel economy values (including, for example, in calculations for CAFE standards compliance), and simplifies the calculations involved.

Mathematically, when assuming a fixed distance term as discussed above, harmonic averaging of multiple fuel economy values can be defined as the inverse of the average of the reciprocals of the individual fuel economy values. It is best illustrated by a simple example.

Consider a round trip of 600 miles. For the first 300-mile leg, the driver is alone with no other passengers or cargo, and, aided by a tailwind, uses 10 gallons of gasoline, for a fuel economy of 30 mpg. On the return 300-mile trip, with several passengers, some luggage, and a headwind, the driver uses 15 gallons of gasoline, for a fuel economy of 20 mpg. Many people will assume that the average fuel economy for the entire 600-mile trip is 25 mpg, the arithmetic (or simple) average of 30 mpg and 20 mpg. But, since the driver consumed 10 + 15 = 25 gallons of fuel during the trip, the actual fuel economy is 600 miles divided by 25 gallons, or 24 mpg.

Why is the actual 24 mpg less than the simple average of 25 mpg? Because the driver used more gallons while (s)he was getting 20 mpg than when (s)he was getting 30 mpg.

This same principle is often demonstrated in elementary school mathematics when an airplane makes a round trip, with a speed of 400 mph one way and 500 mph the other way. The average speed of 444 mph is less than 450 mph because the airplane spent more time going 400 mph than it did going 500 mph.

As in both of the examples above, a harmonic average will typically yield a result that is slightly lower than the arithmetic average.

The following equation illustrates the use of harmonic averaging to obtain the correct mathematical result for the fuel economy example above:

$$\text{Average mpg} = \frac{2}{\left(\frac{1}{30} + \frac{1}{20}\right)} = 24 \text{ mpg}$$

The above example was for a single vehicle with two different fuel economies over two legs of a single round trip. But, the same mathematical principle holds for averaging the fuel economies of any number of vehicles. For example, the average fuel economy for a set of 10 vehicles, with three 30 mpg vehicles, four 25 mpg vehicles, and three 20 mpg vehicles would be (note that, in order to maintain the concept of averaging, the total number of vehicles in the numerator of the equation must equal the sum of the individual numerators in the denominator of the equation):

$$\text{Average mpg} = \frac{10}{\left(\frac{3}{30} + \frac{4}{25} + \frac{3}{20}\right)} = 24.4 \text{ mpg}$$

Note that arithmetic averaging, not harmonic averaging, provides the correct mathematical result for averaging fuel consumption values (in gallons per mile, the inverse of fuel economy) and CO_2 emissions (in grams per mile). In the first, round trip, example above, the first leg had a fuel consumption rate of 10 gallons over 300 miles, or 0.03333 gallons per mile. The second leg had a fuel consumption of 15 gallons over 300 miles, or 0.05 gallons per mile. Arithmetically averaging the two fuel consumption values, i.e., adding them up and dividing by two, yields 0.04167 gallons per mile, and the inverse of this is the correct fuel economy average of 24 mpg. Arithmetic averaging also works for CO_2 emissions values, i.e., the average of 200 g/mi and 400 g/mi is 300 g/mi CO_2 emissions.

In summary, fuel economy values must be harmonically averaged to maintain mathematical integrity, while fuel consumption values (in gallons per mile) and CO_2 emissions values (in grams per mile) can be arithmetically averaged.

C. Fuel Economy Metrics Used in This Report

In 1975, EPA tested vehicles using two tests, one based on city driving and one based on highway driving. The fuel economy values resulting from this "2-cycle" test procedure were used both to determine compliance with the Corporate Average Fuel Economy (CAFE) requirements and to inform consumers of their expected fuel economy. Today, these two tests are still used as the basis for determining compliance with EPA and DOT regulatory programs and also serve as an important metric to compare long term technology trends using a methodology that has remained largely unchanged over the course of this report. In this

report, these values are occasionally shown and referenced as ***unadjusted, laboratory*** fuel economy values.

EPA recognized that changing technology and driving habits led to real world fuel economy results that over time were diverging from the unadjusted fuel economy values. To address this issue, EPA began to require that manufactures use an alternative calculation methodology to create ***label*** fuel economy values for every new vehicle. The separate label methodology was introduced in MY 1985, and was updated in MY 2008 and again in MY 2017 based on updated data. These label fuel economy values are required to be posted on all new vehicles and are the values that consumers are most familiar with. Label fuel economy values are only used in this report when discussing individual vehicles.

The fuel economy values used most often in this report are defined as ***adjusted*** fuel economy. These values are based on label fuel economy values, however, the modifications to the label fuel economy methodology have been applied over time based on the authors' technical judgement in order to provide accurate real world performance for vehicles at the given time they were produced. The resulting adjusted fuel economy values used in this report are EPA's best estimate of real world tailpipe CO_2 emissions and are the best data for researchers to evaluate new vehicle CO_2 and fuel economy performance.

Unadjusted Fuel Economy and GHG Values

In 1975 the U.S. Congress passed the Energy Policy and Conservation Act, creating the first CAFE requirements. Testing requirements for CAFE, by law, were based on two dynamometer based test cycles developed by EPA in the early 1970s. The city (FTP) and highway (HWFET) tests, or 2-cycle methodology, have remained the basis of compliance with CAFE since its inception in 1975. For consistency with CAFE, more recent EPA greenhouse gas standards also use the 2-cycle methodology as the basis for compliance with regulatory requirements.

The 2-cycle testing methodology has remained largely unchanged[17] since the early 1970s. Today, unadjusted fuel economy and GHG values can be used for a useful comparison of technology change over time based on a constant test metric, but generally unadjusted fuel economy and GHG values are only relevant in a regulatory context.

Label Fuel Economy and GHG Values

EPA has required manufacturers to provide vehicle fuel economy to consumers since 1977. Prior to MY 1985, the label (or real world) fuel economy was the same unadjusted fuel

[17] There were some relatively minor test procedure changes made in the late 1970s that, in the aggregate, made the city and highway tests slightly more demanding, i.e., the unadjusted fuel economy values for a given car after these test procedure changes were made are slightly lower relative to prior to the changes. EPA has long provided CAFE "test procedure adjustments" (TPAs) for passenger cars in recognition of the fact that the original CAFE standards were based on the EPA test procedures in place in 1975 (there are no TPAs for light trucks). The resulting impacts on the long-term unadjusted fuel economy trends are very small. As shown in Table 9.2, the TPAs for cars vary, and are typically in the range of 0.2-0.5 mpg for cars, or 0.1-0.3 mpg when the car TPAs are averaged over the combined car/truck fleet.

economy value determined for compliance with CAFE. Beginning in MY 1985, the label methodology became separate from the unadjusted methodology, and the label calculation approach has changed two additional times since. The methodology was significantly changed in MY 2008 with the introduction of 5-cycle testing, and subsequently updated again in MY 2017 with a small update to the 5-cycle methodology.

MY 1985: Introduction of the Label Fuel Economy Calculations

In an April 1984 rulemaking (EPA 1984), EPA established the first label calculations separate from the unadjusted fuel economy results. The rulemaking required that manufacturers apply universal (i.e., same for all vehicles) fuel economy label adjustment factors of 0.9 for city fuel economy and 0.78 for highway fuel economy. These adjustment factors were applied to the unadjusted test values for vehicles produced in model year 1985 or later.

MY 2008: Introduction of the 5-cycle Label Methodology

In December of 2006, EPA established a major change to the calculation methodology for on road fuel economy by introducing the 5-cycle methodology (EPA 2006, 77872). In addition to the city and highway tests required for unadjusted fuel economy calculations (EPA Federal Test Procedure and Highway Fuel Economy Test), the 5-cycle methodology introduces tests for high speeds (US06), air-conditioning (SC03), and a cold temperature test. It also indirectly accounts for a number of other factors that are not reflected in EPA laboratory test data (e.g. changing fuel composition, wind, road conditions) through the use of a 9.5% universal downward adjustment factor.

Under the 2006 5-cycle methodology, manufactures can either perform all 5 tests on each vehicle, or alternatively if certain conditions are met they can use an analytical approach based on 2-cycle testing. If manufacturers are required to perform all five tests, the results are weighted according to composite 5-cycle equations (EPA 2006, 77883-77886). In order to use the analytical "derived 5-cycle" method, manufacturers are required to evaluate whether the fuel economy estimates for certification vehicles using the full 5-cycle test methodology are comparable to results from the derived 5-cycle method. If the results are comparable, manufacturers can use the derived 5-cycle method for all vehicle models represented by the certification vehicle. If the full 5-cycle method yields significantly lower fuel economy estimates than the derived 5-cycle method, then the manufacturer must use the full 5-cycle method for all models represented by the certification vehicle. In recent years approximately 85% of all vehicle label fuel economy has been generated using the derived 5-cycle approach.

For vehicles that were eligible to use the 2006 derived 5-cycle method, the following equations were used to convert unadjusted, laboratory fuel economy values for city and highway to label city and highway fuel economy values. These equations were based on the relationship between 2-cycle and 5-cycle fuel economy data for the industry as a whole.

$$\textbf{Label CITY} = \frac{1}{\left(0.003259 + \frac{1.1805}{\text{UNADJ CITY}}\right)}$$

$$\textbf{Label HWY} = \frac{1}{\left(0.001376 + \frac{1.3466}{\text{UNADJ HWY}}\right)}$$

Finally, manufacturers have the option of voluntarily using lower fuel economy label estimates than those resulting from the full 5-cycle or derived 5-cycle approaches discussed above.

The change from the universal adjustment factors to the 5-cycle method lowered label fuel economy values, particularly for high fuel economy vehicles. In the 2006 rulemaking, EPA projected an overall average fleetwide adjustment of 11% lower for city fuel economy and 8% lower for highway fuel economy, beyond that in the MY 1985 label adjustment methodology.

MY 2017: Update to the 5-cycle Label Methodology

In 2015, EPA released an update that modified the coefficients used to calculate derived 5-cycle fuel economy from 2-cycle test data.[18] This update was required under existing regulations that state EPA "will periodically update the slopes and intercepts through guidance and will determine the model year that the new coefficients must take effect."[19] The update ensures that the label values are based on the newest and best data and science available. It also improves the accuracy of EPA's label estimates by using data that better reflects the available technologies and composition of the fleet. This update does not make changes based on driving behavior, ambient climate conditions, or other factors that are accounted for in the EPA methodology. The updated calculations are required for fuel economy label calculations for all MY 2017 and later vehicles.

The impact of the MY 2017 5-cycle update is far smaller than the change created by the introduction of 5-cycle testing in MY 2008. The combined fuel economy value shown on new vehicle labels (which is rounded to a whole number) is expected to remain the same for 85% of MY 2017 vehicles using the updated 5-cycle method. The vehicles that will be impacted are mostly high fuel economy vehicles, and their fuel economy will change by 1-2 mpg.

For MY 2017 and later vehicles that can use the derived 5-cycle method, the following equations are used to convert unadjusted, laboratory fuel economy values for city and highway to label fuel economy values.

[18] See http://iaspub.epa.gov/otaqpub/display_file.jsp?docid=35113&flag=1.
[19] See 40 CFR 600.210-12(a)(2)(iv).

$$\textbf{Label CITY} = \frac{1}{\left(0.004091 + \frac{1.1601}{\text{UNADJ CITY}}\right)}$$

$$\textbf{Label HWY} = \frac{1}{\left(0.003191 + \frac{1.2945}{\text{UNADJ HWY}}\right)}$$

This report only uses label values when discussing individual vehicles (mostly in sections 7 and 8). In order to present a meaningful comparison, older vehicle label fuel economy values have been recalculated using the newer methodology. This approach was also taken on www.fueleconomy.gov.

Adjusted Fuel Economy and GHG Values

The **adjusted** fuel economy and CO_2 values used throughout this report are closely related to the label fuel economy values. However, the MY 1985, 2008 and 2017 label methodology changes have been applied, partially or in full, to the appropriate model years in order to provide accurate real world performance for vehicles at the given time they were produced. Second, the weighting of city and highway driving has been changed in recent years to consistent with the underlying data analysis used in the 5-cycle methodology.

MY 1975 - 1985: Universal Multipliers

The adjusted fuel economy values from MY 1975-1985 in this report were calculated from unadjusted fuel economy values using the 0.9 city and 0.78 highway multiplication factors that were required beginning on the MY 1985 label. The authors believe that these correction factors were appropriate for new vehicles from MY 1975 through 1985. The combined adjusted fuel economy value is based on a 55% city/45% highway weighting factor, consistent with the unadjusted and label fuel economy calculations.

MY 1986 - 2010: Applying the 2006 5-cycle methodology and 43% City and 57% Highway Weighting

For MY 1986 - 2004, the authors calculated adjusted fuel economy values by assuming the changes in technology and driver behavior that led to lower real world fuel economy, as outlined in the 2006 rulemaking discussed above, occurred in a gradual, linear manner over 20 years. We did not attempt to perform a year-by-year analysis to determine the extent to which the many relevant factors (including higher highway speed limits, more aggressive driving, increasing vehicle horsepower-to-weight ratios, suburbanization, congestion, greater use of air conditioning, gasoline composition, et al.) that have affected real world fuel economy since 1985 have changed over time.

Over the same timeframe, EPA phased in a change in the city and highway weightings used to determine a single combined fuel economy or CO_2 value. EPA's analysis of real world driving activity underlying the 5-cycle fuel economy methodology assumed a "speed cutpoint" of 45 miles per hour to differentiate between (and "bin" the amount of) city and highway driving

(EPA 2006, 77904). Based on this speed cutpoint, the correct weighting for correlating the new city and highway fuel economy values with real world driving activity data from on-road vehicle studies, on a miles driven basis, is 43% city and 57% highway, and therefore this weighting is necessary in order to maintain the integrity of projections of fleetwide fuel economy performance based on Trends data. The 55% city and 45% highway weighting is still used for both Fuel Economy and Environment Labels and the CAFE and GHG emissions compliance programs, as well as the unadjusted, laboratory values provided in this report. The authors used the same gradual, linear approach to phase in the change in city and highway weightings along with the phase-in of the 2006 5-cycle methodology.

From MY 2005 to MY 2010, the full 2006 5-cycle methodology, and the 43% city and 57% highway weightings, were used to determine the adjusted fuel economy values for this report. This required using the derived 5-cycle equations, and the 43% city and 57% highway weightings, to recalculate adjusted fuel economy values for MY 2005 to MY 2007, since those years were prior to 2008 when the 2006 5-cycle methodology was first required. MY 2008 to MY 2010 adjusted fuel economy values were the same as the label fuel economy values, except for the city and highway weightings.

MY 2011 - 2017: Implementing the MY 2017 5-cycle updates

The updated 5-cycle calculations introduced for MY 2017 labels were based on test data from MY 2011 to MY 2016 vehicles. Therefore, the authors chose to apply the update 5-cycle methodology to all model years MY 2011 to MY 2017. This required recalculating the adjusted fuel economy of vehicles from MY 2011 to 2016 using the new derived 5-cycle equations. Vehicles that conducted full 5-cycle testing or voluntarily lowered fuel economy or GHG values were unchanged. The 43% city and 57% highway weightings were maintained for all vehicles in MY 2011 to 2017. The change dues to the 5-cycle update were relatively small (0.1 to 0.2 mpg overall) and did not noticeably alter the general data trends, therefore the authors determined that a phase in period was not required for this update.

One consequence of changing the adjusted fuel economy methodology is that the ratio of the adjusted to unadjusted fuel economy values have been changing over time. As shown in Table 10.2, the adjusted to unadjusted fuel economy ratio was around 85% for MY 1975-1985 data, largely due the constant 0.9 city and 0.78 correction factors. As the 2006 5-cycle methodology and updated city and highway weighting factors were phased in, the ratio slowly dropped to about 80%. The ratio of adjusted to unadjusted fuel economy fell further with the introduction of the 2017 5-cycle updates, and is projected to be 77.2% in MY 2017.

Example of Multiple Fuel Economy and GHG Values

The multiple ways of measuring fuel economy and GHG emissions can understandably lead to confusion. As an illustration to help the reader understand the various fuel economy values that can be associated with an individual vehicle, Table 10.1 shows three different fuel economy metrics for the MY 2017 Toyota Prius Eco. Unadjusted, laboratory city and highway

fuel economy values are direct fuel economy measurements from the formal EPA 2-cycle tests, and are harmonically averaged with a 55% city and 45% highway weighting to generate a combined value. The unadjusted city fuel economy of the Prius Eco is 84 mpg, the highway fuel economy is 78 mpg, and the combined value is 81 mpg.

Using the 2017 5-cycle methodology, the Toyota Prius Eco has a label value of 56 mpg city and 58 mpg highway. On the vehicle label, these values are harmonically averaged using a 45% city and 55% highway weighting to determine a combined value of 53 mpg. The adjusted fuel economy for the Prius Eco, which is the set of values used in calculations for this report, has the same city and highway fuel economy, but the 43% city and 57% highway weighting leads to a combined value of 55 mpg, which is one mpg less than the values found on the label.

Table 10.1

Fuel Economy Metrics for the MY 2017 Toyota Prius Eco

Fuel Economy Metric	Fuel Economy Value (MPG)			Purpose	City/Highway Weighting	Test Basis
	Comb	City	Hwy			
Unadjusted	81	84	78	Basis for manufacturer compliance with standards	55%/45%	2-cycle
Label	56	58	53	Consumer information to compare individual vehicles	55%/45%	5-cycle
Adjusted	55	58	53	Best estimate of real world performance	43%/57%	5-cycle

PHEV Fuel Economy Calculations

As described in Section 7, PHEV fuel economy values take into consideration the percentage of miles that are projected to be driven in charge depleting versus charge sustaining modes of operation by using a utility factor to calculate city and highway mpge values, which can then be used to produce combined mpge values. However, the utility factors that are used for fleetwide calculations are somewhat different than those that are used to create label values for individual vehicles. For label values in Sections 7 and 8, multi-day individual utility factors (MDIUF) are used to incorporate "a driver's day to day variation into the utility calculation." (SAE J2841, page 3). For Trends fleetwide calculations, fleet utility factors (FUF) are applied to "calculate the expected fuel and electric consumption of an entire fleet of vehicles." (SAE J2841, page 2). Because Trends weights adjusted city and highway values using a 43% city/57% highway weighting, FUFs created for a 43/57 ratio are used for the adjusted mpge values in this report.

Table 10.2

Unadjusted, Laboratory and Adjusted Fuel Economy (MPG) for MY 1975–2017, Car and Truck

Model Year	Unadjusted City (MPG)	Unadjusted Highway (MPG)	Unadjusted Combined (MPG)	Adjusted City (MPG)	Adjusted Highway (MPG)	Adjusted Combined (MPG)	Ratio of Adjusted Combined to Unadjusted Combined
1975	13.4	18.7	15.3	12.0	14.6	13.1	85.2%
1976	14.6	20.2	16.7	13.2	15.7	14.2	85.1%
1977	15.6	21.3	17.7	14.0	16.6	15.1	85.1%
1978	16.3	22.5	18.6	14.7	17.5	15.8	85.1%
1979	16.5	22.3	18.7	14.9	17.4	15.9	85.1%
1980	19.6	27.5	22.5	17.6	21.5	19.2	85.2%
1981	20.9	29.5	24.1	18.8	23.0	20.5	85.2%
1982	21.3	30.7	24.7	19.2	23.9	21.1	85.2%
1983	21.2	30.6	24.6	19.0	23.9	21.0	85.3%
1984	21.2	30.8	24.6	19.1	24.0	21.0	85.3%
1985	21.5	31.3	25.0	19.3	24.4	21.3	85.3%
1986	22.1	32.2	25.7	19.8	25.0	21.8	85.0%
1987	22.2	32.6	25.9	19.8	25.3	22.0	84.7%
1988	22.1	32.7	25.9	19.6	25.2	21.9	84.4%
1989	21.7	32.3	25.4	19.1	24.8	21.4	84.2%
1990	21.4	32.2	25.2	18.7	24.6	21.2	83.9%
1991	21.6	32.5	25.4	18.8	24.7	21.3	83.6%
1992	21.0	32.1	24.9	18.2	24.4	20.8	83.4%
1993	21.2	32.4	25.1	18.2	24.4	20.9	83.1%
1994	20.8	31.6	24.6	17.8	23.8	20.4	82.9%
1995	20.8	32.1	24.7	17.7	24.1	20.5	82.7%
1996	20.8	32.2	24.8	17.6	24.0	20.4	82.4%
1997	20.6	31.8	24.5	17.4	23.6	20.2	82.2%
1998	20.6	31.9	24.5	17.2	23.6	20.1	81.9%
1999	20.3	31.2	24.1	16.9	23.0	19.7	81.7%
2000	20.5	31.4	24.3	16.9	23.0	19.8	81.3%
2001	20.5	31.1	24.2	16.8	22.8	19.6	81.0%
2002	20.4	30.9	24.1	16.6	22.5	19.5	80.7%
2003	20.6	31.3	24.3	16.7	22.7	19.6	80.4%
2004	20.2	31.0	24.0	16.3	22.4	19.3	80.2%
2005	21.0	32.1	24.8	16.8	23.1	19.9	79.8%
2006	21.2	32.6	25.2	17.0	23.4	20.1	79.8%
2007	21.8	33.4	25.8	17.4	24.0	20.6	79.6%
2008	22.1	34.0	26.3	17.7	24.4	21.0	79.5%
2009	23.8	36.4	28.2	18.9	26.0	22.4	79.1%
2010	24.1	36.6	28.4	19.1	26.2	22.6	79.0%
2011	23.7	36.5	28.1	18.8	25.9	22.3	78.8%
2012	25.2	38.7	29.9	19.9	27.3	23.6	78.4%
2013	25.9	39.7	30.7	20.5	28.0	24.2	78.2%
2014	25.9	39.6	30.7	20.4	27.9	24.1	78.0%
2015	26.6	40.5	31.4	20.9	28.5	24.6	77.8%
2016	26.7	40.6	31.6	21.0	28.5	24.7	77.8%
2017 (prelim)	*27.4*	*41.3*	*32.3*	*21.5*	*28.9*	*25.2*	*77.2%*

D. Vehicle Tailpipe CO_2 Emissions Data

CO_2 emissions data were added to the entire historical Trends database beginning with the 2009 report. CO_2 emissions values in this report are generally calculated from corresponding fuel economy values using the fuel-specific CO_2 emissions per gallon factors described below. Accordingly, the adjusted and unadjusted, laboratory CO_2 emissions values in this report reflect the methodological approaches underlying the adjusted and unadjusted, laboratory fuel economy values that were discussed in detail in the previous section.

While CO_2 emissions data is included in several key summary tables and figures in the report, there are many other tables and figures that present fuel economy values but not CO_2 emissions values. This section provides a simple method that a reader can use to estimate CO_2 emissions values from any fuel economy value in the report.

If a fuel economy value is given for a single gasoline vehicle, or a 100% gasoline vehicle fleet, one can calculate the corresponding CO_2 emissions value by simply dividing 8887 (which is a typical value for the grams of CO_2 per gallon of gasoline test fuel, assuming all the carbon is converted to CO_2) by the fuel economy value in miles per gallon. For example, 8887 divided by a gasoline vehicle fuel economy of 30 mpg would yield an equivalent CO_2 emissions value of 296 grams per mile. This is the methodology used to generate the CO_2 emissions values for all of the gasoline vehicles in the Trends database.

Since gasoline vehicle production has accounted for 99+% of all light-duty vehicle production for most of the model years since 1975, this simple approach yields accurate results for most model years.

Diesel fuel has 14.5% higher carbon content per gallon than gasoline. To calculate a CO_2 equivalent value for a diesel vehicle, one should divide 10,180 by the diesel vehicle fuel economy value. Accordingly, a 30 mpg diesel vehicle would have a CO_2 equivalent value of 339 grams per mile. This is the methodology used to generate the CO_2 emissions values for the relatively small number of diesel vehicles in the Trends database.

For electric vehicles, the tailpipe CO_2 emissions are 0 grams per mile (see Section 7 for a discussion of upstream emissions). For CNG vehicles, we recommend using an emission factor of 7030 grams per gallon of gasoline equivalent to approximate CO_2 emissions. For PHEVs, the process of calculating CO_2 grams per mile is more complex, and this report uses a parallel methodology described in Section 10.C for PHEV fuel economy values, calculating the carbon-related exhaust emissions from test data and then converting the carbon content to CO_2.

To make the most accurate conversions of industry-wide fuel economy values to CO_2 emissions values, readers should divide model year-specific industry-wide values for grams of CO_2 per gallon in Table 10.3 by industry-wide fuel economy values in miles per gallon. Two sets of model year-specific industry wide CO_2 per gallon values are provided, with the final column providing a value representing that model year fleet including alternative fuel vehicles,

and the next-to-last column providing a value representing that model year fleet excluding alternative fuel vehicles (i.e., just gasoline and diesel vehicles).

Readers must make judgment calls about how to best convert fuel economy values that do not represent industry-wide values (e.g., just cars or vehicles with 5-speed automatic transmissions). Options include the two model year-specific CO_2 emissions per gallon weightings in Table 10.3 (with and without alternative fuel vehicles) or the gasoline value of 8887 (implicitly assuming no diesels or alternative fuel vehicles in that database component). Or a user can generate a customized grams of CO_2 emissions per gallon value based on the make-up of the vehicles in question.

Finally, it is important to note that the unadjusted, laboratory tailpipe CO_2 emissions values included in a few tables in this report are very similar to, but not exactly equal to, the 2-cycle tailpipe CO_2 emissions values provided in the annual EPA GHG Manufacturer Performance Report www.epa.gov/regulations-emissions-vehicles-and-engines/ghg-emission-standards-light-duty-vehicles-manufacturer. The two most important reasons for slight differences in car and truck CO_2 emissions data is 1) the values in this Trends report are calculated from generic fuel-specific emissions factors discussed above, while the values in the GHG Performance report use formal compliance data based on actual carbon content of the test fuel used at the time of the compliance test, and 2) some manufacturers may choose to use an optional compliance approach which adds nitrous oxide and methane emissions to their CO_2 (more accurately CREE, see next section) values while the Trends data does not reflect nitrous oxide and methane emissions for any automakers. In addition, there is another factor that can lead to differences in combined car-truck values only: Trends report data are not weighted for any differences in lifetime vehicle miles traveled (VMT) between cars and trucks, while the GHG Performance report assumes slightly higher lifetime VMT for trucks than cars as required by compliance regulations. In general, when there are slight differences between the Trends unadjusted CO_2 data and GHG Performance 2-cycle CO_2 data, the latter are typically slightly higher than the former.

Table 10.3

Factors for Converting Industry-Wide Fuel Economy Values from this Report to Carbon Dioxide Emissions Values

Model Year	Gasoline Production Share	Diesel Production Share	AFV Production Share	Weighted CO_2 per Gallon (grams) Without AFVs	Weighted CO_2 per Gallon (grams) With AFVs
1975	99.8%	0.2%	-	8888	8888
1976	99.8%	0.2%	-	8889	8889
1977	99.6%	0.4%	-	8890	8890
1978	99.1%	0.9%	-	8895	8895
1979	98.0%	2.0%	-	8906	8906
1980	95.7%	4.3%	-	8930	8930
1981	94.1%	5.9%	-	8948	8948
1982	94.4%	5.6%	-	8948	8948
1983	97.3%	2.7%	-	8916	8916
1984	98.2%	1.8%	-	8905	8905
1985	99.1%	0.9%	-	8897	8897
1986	99.6%	0.4%	-	8891	8891
1987	99.7%	0.3%	-	8890	8890
1988	99.9%	0.1%	-	8888	8888
1989	99.9%	0.1%	-	8888	8888
1990	99.9%	0.1%	-	8888	8888
1991	99.9%	0.1%	-	8888	8888
1992	99.9%	0.1%	-	8888	8888
1993	100.0%	-	-	8887	8887
1994	100.0%	0.0%	-	8887	8887
1995	100.0%	0.0%	-	8887	8887
1996	99.9%	0.1%	-	8888	8888
1997	99.9%	0.1%	-	8888	8888
1998	99.9%	0.1%	-	8888	8888
1999	99.9%	0.1%	-	8888	8888
2000	99.9%	0.1%	-	8888	8888
2001	99.9%	0.1%	-	8888	8888
2002	99.8%	0.2%	-	8888	8888
2003	99.8%	0.2%	-	8888	8888
2004	99.9%	0.1%	-	8888	8888
2005	99.7%	0.3%	-	8889	8889
2006	99.6%	0.4%	-	8890	8890
2007	99.9%	0.1%	-	8888	8888
2008	99.9%	0.1%	-	8889	8889
2009	99.5%	0.5%	-	8892	8892
2010	99.3%	0.7%	0.0%	8893	8893
2011	99.1%	0.8%	0.1%	8895	8893
2012	98.7%	0.9%	0.4%	8896	8894
2013	98.4%	0.9%	0.7%	8896	8889
2014	98.3%	1.0%	0.7%	8897	8891
2015	98.3%	0.9%	0.7%	8898	8888
2016	98.7%	0.5%	0.8%	8893	8882
2017 (prelim)	*97.8%*	*0.3%*	*1.9%*	*8891*	*8869*

E. Vehicle-Related GHG Emissions Sources Other Than Tailpipe CO_2 Emissions

The CO_2 emissions data in this report reflect the sum of the vehicle tailpipe emissions of CO_2, carbon monoxide, and hydrocarbons, with the latter two converted to equivalent CO_2 levels on a mass basis. While carbon monoxide and hydrocarbon emissions add, on average, less than one percent to overall CO_2 tailpipe emissions values, these compounds are included in the tailpipe CO_2 emissions data because they are converted to CO_2 relatively quickly in the atmosphere, and to maintain consistency with greenhouse gas (GHG) emissions standards compliance. EPA regulations refer to this sum as "carbon related exhaust emissions" or CREE, but we use the term CO_2 emissions in this report for simplicity.

It is important to emphasize that tailpipe CO_2 or CREE emissions do not represent the entire GHG burden associated with a personal vehicle, and there are at least six other vehicle-related GHG sources. While this report cannot provide authoritative data for each of these other vehicle-related GHG sources, they will be briefly identified and discussed below for context, with an emphasis on the approximate magnitude of each source relative to the magnitude of the tailpipe CO_2 emissions that are documented in this report.

Tailpipe emissions of nitrous oxide (N2O)

Nitrous oxide is a greenhouse gas and a constituent in the exhaust from internal combustion engines. It is emitted from gasoline and diesel vehicles during specific catalytic converter temperature conditions conducive to its formation. EPA does not currently require N_2O emissions measurement as a part of the formal EPA vehicle certification process (it will begin to be required in the MY 2017-2019 timeframe), so we only have limited test data at this time. Based on this limited data, EPA estimates typical N_2O emissions from late model gasoline cars to be on the order of 0.005 g/mi (EPA and DOT 2010, 25422). With a global warming potential of 298, this yields a CO_2-equivalent value of approximately 1.5 g/mi or about 0.4% of the 359 g/mi adjusted fleetwide CO_2 emissions value for MY 2016. Under the National Program regulations for MY 2012-2025, EPA has established an N_2O per-vehicle emissions cap of 0.010 g/mi, which is not intended to reduce N_2O emissions, but rather to ensure that there are no increases in the future (EPA and DOT 2010, 25421).

Tailpipe emissions of methane (CH_4)

Methane is a greenhouse gas and also a constituent in internal combustion engine exhaust. As the simplest hydrocarbon compound (one carbon atom and four hydrogen atoms), it is one of the large number of hydrocarbon compounds formed during the imperfect combustion of hydrocarbon-based fuels such as gasoline and diesel (and the most prominent hydrocarbon compound in compressed natural gas vehicle exhaust). EPA requires that CH_4 emissions be measured during the formal EPA vehicle certification program. Typical methane emissions from late model gasoline cars are about 0.015 g/mi (EPA and DOT 2010, 25423). With a

global warming potential of 25, this yields a CO_2-equivalent value of approximately 0.4 g/mi, or about 0.1% of the 359 g/mi adjusted fleetwide CO_2 emissions value for MY 2016. Under the National Program regulations for MY 2012-2025, EPA has established a CH_4 per-vehicle emissions cap of 0.03 g/mi, which is not intended to reduce CH_4 emissions, but rather to ensure that there are no increases in the future (EPA and DOT 2010, 25421 and EPA and DOT 2012, 62770).

Vehicle GHG emissions associated with air conditioner refrigerants

Nearly all new personal vehicles in the U.S. are equipped with air conditioners. Until relatively recently, all automotive air conditioners used the refrigerant HFC-134a, which is a very strong greenhouse gas with a global warming potency of 1,430. Small amounts of refrigerant leakage can occur during routine operation, during maintenance and servicing, and during ultimate disposal. Based on the combination of relatively small mass leakage with the extremely high global warming potency, EPA estimates typical HFC-134a CO_2-equivalent values of 13.8 g/mi for cars and 17.2 g/mi for light trucks, or about 4% of the 359 g/mi adjusted fleetwide CO_2 emissions value for MY 2016 (EPA and DOT 2012, 62805). There are no standards under the MY 2012-2025 National Program for the control of air conditioner refrigerant leakage emissions, but automakers can earn credits for reducing leakage emissions that can be used to help achieve compliance with the tailpipe CO_2 emissions standards. The GHG Manufacturer Performance Report for MY 2016 showed that automakers generated, on average, about 6 g/mi CO_2-equivalent credit due to reduced air conditioner refrigerant leakage in MY 2016 (EPA 2017). Some automakers are beginning to use a new air conditioner refrigerant, HFO-1234yf, which has a much lower global warming potency of 4.

GHG emissions associated with fuel production and distribution

Motor vehicle fuel production and distribution (often referred to as "upstream" emissions) can produce significant GHG emissions. The relative relationship between vehicle tailpipe CO_2 emissions and vehicle fuel-related production/distribution GHG emissions can vary greatly. For example, for typical gasoline today, a rule-of-thumb is that gasoline production/distribution (all steps including oil production, oil transport, refining, and gasoline transport to the service station) yields about 25% of the GHG emissions associated with vehicle tailpipe CO_2 emissions. Based on this rule-of-thumb, gasoline production/distribution-related GHG emissions associated with the 359 g/mi adjusted fleetwide CO_2 vehicle tailpipe emissions value for MY 2016 would be about 90 g/mi, for a total adjusted fleetwide MY 2016 CO_2 tailpipe plus gasoline production/distribution GHG emissions value of about 449 g/mi. Other fuels currently used in personal vehicles, such as diesel from crude oil, ethanol from corn, and compressed natural gas, can also have significant fuel production/distribution GHG emissions. However, like gasoline, these GHG emissions are typically much smaller than those from the vehicle tailpipe.

Some fuels have very different vehicle tailpipe vs fuel production/distribution characteristics. For example, electric vehicles have zero tailpipe emissions, and so all GHG emissions

associated with electric vehicle operation are associated with the generation and distribution of electricity. The same goes for hydrogen. On the other hand, carbon-based fuels produced from renewable feedstocks could have similar vehicle tailpipe emissions (note there is an accounting issue here, while Trends would assign tailpipe emissions to the vehicle, current IPCC rules do not count tailpipe emissions for renewable fuels), but "negative" fuel production/distribution-related GHG emissions if little or no fossil fuels are used in the production/distribution of the fuel and the "carbon uptake" associated with renewable fuels is accounted for at the production/distribution step.

There is an exhaustive literature on the relative vehicle versus fuel-related GHG emissions for various fuel/feedstock combinations, and the reader should consult the literature for detailed analyses.

GHG emissions associated with vehicle manufacturing and assembly

Some studies estimate that the GHG emissions associated with vehicle and component manufacturing and assembly for conventional gasoline vehicles are on the order of 10-15% of total life-cycle vehicle GHG emissions (where vehicle tailpipe and fuel production/distribution accounts for nearly all of the remaining vehicle life cycle emissions).[20] Based on the approximate 449 g/mi adjusted fleetwide value calculated above for MY 2016 CO_2 tailpipe plus gasoline production/distribution GHG emissions, this would imply that typical vehicle and component manufacturing and assembly GHG emissions would be on the order of approximately 45-70 g/mi.

GHG emissions associated with vehicle disposal

The GHG emissions associated with vehicle disposal, or end-of-life, are typically not more than a few percent of total life-cycle vehicle emissions for a conventional gasoline vehicle. Based on the above approximations, this would imply that GHG emissions associated with vehicle disposal might be on the order of 10 g/mi or less.

F. Other Database Methodology Issues

Air Conditioner Efficiency and Off-Cycle Credits

Under the EPA greenhouse gas emissions standards for MY 2012-2025, manufacturers have the option of earning air conditioner efficiency and off-cycle CO_2 emissions credits for the utilization of technologies that yield real world CO_2 emissions reductions, but which are not reflected on the 2-cycle compliance tests. It is expected that most, and maybe all, of the

[20] For example, see Samaras, C. and Meisterling, K. Life Cycle Assessment of Greenhouse Gas Emissions from Plug-in Hybrid Vehicles: Implications for Policy. *Environmental Science & Technology* 2008, 42 (9):3170–3176, or Notter, D. et al. Contribution of Li-Ion Batteries to the Environmental Impact of Electric Vehicles. *Environmental Science & Technology* 2010, 44 (17): 6550-6556.

technologies that earn air conditioner efficiency and off-cycle CO_2 emissions credits will also reduce real world fuel consumption.[21]

The adjusted CO_2 tailpipe emissions and fuel economy values in this report reflect air conditioner efficiency improvements for the fraction of vehicles that undergo full 5-cycle testing as that testing includes a cycle with maximum air conditioning operation at 95 degrees Fahrenheit (see Section 10.C). At this time, the adjusted values do not reflect air conditioner efficiency improvements for those vehicles that do not undergo full 5-cycle testing and which utilize the derived 5-cycle equations. In addition, the adjusted values likely do not reflect certain off-cycle credit technologies. This is primarily due to the fact that, at this time, some manufacturers submit credits data only on a fleetwide basis, rather than on a model by model basis which would be necessary to fully integrate credits data with the full Trends database.

MY 2015 credits data provided in the EPA GHG Manufacturer Performance Report, available at www.epa.gov/regulations-emissions-vehicles-and-engines/ghg-emission-standards-light-duty-vehicles-manufacturer, show that total air conditioner efficiency credits (some of which are reflected in adjusted values as discussed above) were 4 g/mi and off-cycle credits were 3 g/mi. Accordingly, at most these credits could reduce adjusted MY 2016 CO_2 tailpipe emission values by about 7 g/mi, which would translate to an adjusted fuel economy increase of approximately 0.5 mpg. Again, most of these credits are not reflected in the Trends database.

EPA will continue to consider the question of whether, and if so how, to account for air conditioner efficiency and off-cycle CO_2 emissions credits in future reports.

Changes in Car-Truck Classification Definitions

Car-truck definitions through the 2010 report were based EPA's engineering judgment. Until recently, EPA and NHTSA had slightly different regulatory definitions for car-truck classifications with respect to health-related emissions and fuel economy, respectively, and the Trends report followed a third approach, though in practice there was broad (though not universal) agreement among the three approaches.

Beginning with the 2011 report, Trends car-truck classifications followed current regulatory definitions used by both EPA and NHTSA for CO_2 emissions and fuel economy standards. See definitions for passenger automobiles (cars) and non-passenger automobiles (trucks) later in this section. These current definitions differ from those used in older versions of this report, and reflect a decision by NHTSA to reclassify many small, 2-wheel drive, sport utility vehicles (SUVs) from the truck category to the car category, beginning with MY 2011. When this re-classification was initiated in the 2011 report, the absolute truck share decreased by approximately 10%.

[21] Air conditioner efficiency and off-cycle credits are the two types of credits that could impact the adjusted CO_2 tailpipe emissions and fuel economy values provided in this report. Other regulatory credits (e.g., for dual fuel vehicles or for air conditioner refrigerant leakage) and incentives (e.g., for advanced technologies) would not impact adjusted CO_2 tailpipe emissions or fuel economy values.

The current car-truck definitions have been "propagated back" throughout the entire historical Trends database to maintain the integrity of long-term trends of car and truck production share. Since we did not have all of the requisite technical information on which to make retroactive car-truck classifications, we used engineering judgment to classify past models.

Inclusion of Medium-Duty Passenger Vehicles

Beginning with the 2011 report, medium-duty passenger vehicles (MDPVs), those SUVs and passenger vans (but, not pickup trucks) with gross vehicle weight ratings between 8500 and 10,000 pounds, are included in the light-duty truck category. This coincided with new regulations by NHTSA to treat these vehicles as light-duty, rather than heavy-duty, vehicles beginning in MY 2011. This represents a minor change to the database, since the number of MDPVs is much smaller than it once was (e.g., only 6500 MDPVs were sold in MY 2012). It should be noted that this is one change to the database that has not been "propagated back" through the historic database, as we do not have MDPV data prior to MY 2011. Accordingly, this represents a small inflection point for the database for the overall car and truck fleet in MY 2011; the inclusion of MDPVs decreased average adjusted fuel economy by 0.01 mpg and increased average adjusted CO_2 emissions by 0.3 g/mi, compared to the fleet without MDPVs. The impacts on the truck fleet only were about twice as high, but still very small in absolute terms.

G. Comparison of Preliminary and Final Fleetwide Fuel Economy Values

In recent years, the data for the last model year included in each report has been preliminary (i.e., based on projected vehicle production volumes provided by automakers prior to the beginning of the model year), while the data for all other model years has been final. This leads to the logical question, how accurate have the preliminary projections been?

Table 10.4 compares the preliminary and final fleetwide fuel economy values for recent years (note that the differences for CO_2 emissions data would be similar, on a percentage basis). Only unadjusted values are shown in the table. Due to the methodology changes over time to adjusted fuel economy values, a comparison to the predicted values would be difficult. However, the trend is likely very similar to that of the unadjusted fuel economy values.

It is important to note that there isn't a perfect apples-to-apples comparison for MY 2011-2014, due to a number of small data issues, such as alternative fuel vehicle data. The preliminary values in Table 10.4 through MY 2014 did not integrate AFV data. The final values in Table 10.4 are the values reported elsewhere in this report and do include alternative fuel vehicle data. The differences due to this will be small, on the order of 0.1 mpg or less.

Table 10.4 shows that, since MY 2007, the final unadjusted fuel economy values have generally been close to the preliminary unadjusted fuel economy values. The major exception was MY 2009, when there was considerable market turmoil due to the economic recession and

the final value was 1.8 mpg higher than predicted. MY 2016 was also 0.9 mpg lower than predicted, likely due to the increasing percentage of SUVs purchased by consumers.

Table 10.4

Comparison of Preliminary and Final Fuel Economy Values, Both Car and Truck

	Unadjusted Fuel Economy (MPG)		
Model Year	Preliminary Value	Final Value	Final Minus Preliminary
2000	24.0	24.3	+0.3
2001	23.9	24.2	+0.3
2002	24.0	24.1	+0.1
2003	24.4	24.3	-0.1
2004	24.4	24.0	-0.4
2005	24.6	24.8	+0.2
2006	24.6	25.2	+0.6
2007	25.3	25.8	+0.5
2008	26.0	26.3	+0.3
2009	26.4	28.2	+1.8
2010	28.3	28.4	+0.1
2011	28.6	28.1	-0.5
2012	30.0	29.8	-0.2
2013	30.3	30.7	+0.4
2014	30.6	30.7	+0.1
2015	31.2	31.4	+0.2
2016	32.5	31.6	-0.9
2017 (prelim)	*32.3*	-	-

H. Definitions and Acronyms

Electric vehicle (EV) means a motor vehicle that is powered solely by an electric motor drawing current from a rechargeable energy storage system, such as from storage batteries or other portable electrical energy storage devices. For the Trends report, electric vehicles do not generally include fuel cell vehicles.

Flexible fuel vehicle (FFV) means any motor vehicle engineered and designed to be operated on a petroleum fuel and on a methanol or ethanol fuel, or any mixture of the petroleum fuel and methanol or ethanol. Methanol-fueled and ethanol-fueled vehicles that are only marginally functional when using gasoline (e.g., the engine has a drop in rated horsepower of more than 80 percent) are not flexible fuel vehicles.

Footprint means the product of average track width (rounded to the nearest tenth of an inch) and wheelbase (measured in inches and rounded to the nearest tenth of an inch), divided by 144 and then rounded to the nearest tenth of a square foot, where the average track width is the average of the front and rear track widths, where each is measured in inches and rounded to the nearest tenth of an inch.

Fuel cell vehicle (FCV) means an electric vehicle propelled solely by an electric motor where energy for the motor is supplied by an electrochemical cell that produces electricity via the non-combustion reaction of a consumable fuel, typically hydrogen.

Gasoline gallon equivalent means an amount of electricity or fuel with the energy equivalence of one gallon of gasoline. For purposes of the Trends report, one gallon of gasoline is equivalent to 33.705 kilowatt-hours of electricity or 121.5 standard cubic feet of natural gas.

Hybrid electric vehicle (HEV) means a motor vehicle which draws propulsion energy from onboard sources of stored energy that are both an internal combustion engine or heat engine using consumable fuel, and a rechargeable energy storage system such as a battery, capacitor, hydraulic accumulator, or flywheel, where recharge energy for the energy storage system comes solely from sources on board the vehicle.

Light Truck means an automobile that is not a car or a work truck and includes vehicles described in paragraphs (a) and (b) below:

(a) An automobile designed to perform at least one of the following functions:
(1) Transport more than 10 persons;
(2) Provide temporary living quarters;
(3) Transport property on an open bed;
(4) Provide, as sold to the first retail purchaser, greater cargo-carrying than passenger-carrying volume, such as in a cargo van; if a vehicle is sold with a second-row seat, its cargo-carrying volume is determined with that seat installed, regardless of whether the manufacturer has described that seat as optional; or
(5) Permit expanded use of the automobile for cargo-carrying purposes or other nonpassenger-carrying purposes through:

(i) For non-passenger automobiles manufactured in model year 2008 and beyond, for vehicles equipped with at least 3 rows of designated seating positions as standard equipment, permit expanded use of the automobile for cargo-carrying purposes or other nonpassenger-carrying purposes through the removal or stowing of foldable or pivoting seats so as to create a flat, leveled cargo surface extending from the forwardmost point of installation of those seats to the rear of the automobile's interior.

(b) An automobile capable of off-highway operation, as indicated by the fact that it:
(1) (i) Has 4-wheel drive; or
(ii) Is rated at more than 6000 pounds gross vehicle weight; and
(2) Has at least four of the following characteristics calculated when the automobile is at curb weight, on a level surface, with the front wheels parallel to the automobile's longitudinal centerline, and the tires inflated to the manufacturer's recommended pressure—
(i) Approach angle of not less than 28 degrees.
(ii) Breakover angle of not less than 14 degrees.
(iii) Departure angle of not less than 20 degrees.
(iv) Running clearance of not less than 20 centimeters.
(v) Front and rear axle clearances of not less than 18 centimeters each.

**Please see Section 10.F for Changes in Car-Truck Classification Definitions over time.*

Minivan means a light truck which is designed primarily to carry no more than eight passengers, having an integral enclosure fully enclosing the driver, passenger, and load-carrying compartments, and rear seats readily removed, folded, stowed, or pivoted to facilitate cargo carrying. A minivan typically includes one or more sliding doors and a rear liftgate. Minivans typically have less total interior volume or overall height than full sized vans and are commonly advertised and marketed as "minivans."

Mpg means miles per gallon.

Mpge means miles per gasoline gallon equivalent (see gasoline gallon equivalent above).

Pickup truck means a light truck which has a passenger compartment and an open cargo bed.

Plug-in hybrid electric vehicle (PHEV) means a hybrid electric vehicle that has the capability to charge the battery from an off-vehicle electric source, such that the off-vehicle source cannot be connected to the vehicle while the vehicle is in motion.

Special purpose vehicles means automobiles with GVWR less than or equal to 8,500 pounds and medium-duty passenger vehicles which possess special features and which the Administrator determines are more appropriately classified separately from typical automobiles.

**For purposes of the Trends report, we used engineering judgment to allocate the very small number of vehicles, labeled as special purpose vehicles at www.fueleconomy.gov, to the three truck types: truck SUV, van/minivan, or truck*

Sport utility vehicle (SUV) means a light truck with an extended roof line to increase cargo or passenger capacity, cargo compartment open to the passenger compartment, and one or more rear seats readily removed or folded to facilitate cargo carrying. Generally, 2-wheel drive SUVs equal to or less than 6000 lbs GVWR are passenger cars for CAFE and GHG standards compliance, but continue to be labeled as SUVs.

Station wagon means cars with an extended roof line to increase cargo or passenger capacity, cargo compartment open to the passenger compartment, a tailgate, and one or more rear seats readily removed or folded to facilitate cargo carrying.

Track width –means the lateral distance between the centerlines of the base tires at ground, including the camber angle.

Van means any light truck having an integral enclosure fully enclosing the driver compartment and load carrying compartment. The distance from the leading edge of the windshield to the foremost body section of vans is typically shorter than that of pickup trucks and SUVs.

Wheelbase is the longitudinal distance between front and rear wheel centerlines.

I. Links for More Information

This report, *Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2017* (EPA-420-R-18-001) is available on the EPA's Office of Transportation and Air Quality's (OTAQ) web site at: www.epa.gov/fuel-economy-trends. The Executive Summary of this report (EPA-420-S-18-001) is available at the same web site.

A copy of the *Fuel Economy Guide* giving city and highway fuel economy data for individual models is available at: www.fueleconomy.gov or by calling the U.S. Department of Energy at (800) 423-1363.

The website www.fueleconomy.gov provides fuel economy and environmental information for vehicles from model year 1984 through the present. The site has many tools that allow users to search for vehicles and find information on vehicle fuel economy, fuel consumption, estimated annual fuel cost, and CO_2 emissions. The site also allows users to personalize fuel economy and fueling cost estimates based on personalized inputs for fuel cost, annual mileage, and percentage of city versus highway driving.

EPA's Green Vehicle Guide (www.epa.gov/greenvehicles) is designed to help car buyers identify the cleanest, most fuel-efficient vehicle that meets their needs. The site includes information on SmartWay certified vehicles, how advanced technology vehicles work, and infographics and videos that provide tips on saving money and reducing emissions through smarter vehicle choices.

For detailed information about EPA's GHG emissions standards for motor vehicles, see: www.epa.gov/regulations-emissions-vehicles-and-engines.

For information about automaker compliance with EPA's Greenhouse Gas Emissions standards, including a detailed Manufacturer Performance Report for the 2015 Model Year, see: https://www.epa.gov/regulations-emissions-vehicles-and-engines/greenhouse-gas-ghg-emission-standards-light-duty-vehicles.

For detailed information about DOT's Corporate Average Fuel Economy (CAFE) program, including a program overview, related rulemaking activities, and summaries of the formal CAFE performance of individual manufacturers since 1978, see: www.nhtsa.gov/Laws-&-Regulations/CAFE-–-Fuel-Economy.

For more information about the EPA/Department of Transportation (DOT) Fuel Economy and Environment Labels, see: www.epa.gov/greenvehicles/learn-about-fuel-economy-label.

J. Authors and Acknowledgements

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References

Abt Associates 2017. The emissions & generation resource integrated database technical support document for eGRID 2014, prepared for the U.S. Environmental Protection Agency, February 2017.

Amann, Charles A. 1989. The automotive engine - a future perspective. *SAE.* Paper 891666.

Austin and Hellman 1973. Passenger Car Fuel Economy - Trends and Influencing Factors. *SAE.* Paper 730790, September 1973.

Austin and Hellman 1974. Fuel Economy of the 1975 Models. *SAE.* Paper 740970, October 1974.

Austin and Service 1975. Passenger Car Fuel Economy Trends Through 1976. *SAE.* Paper 750957, October 1975.

Argonne National Laboratory 2017. GREET 2016 Model. greet.es.anl.gov.

Blanco, Sebastian. Honda Civic hybrid now available nationwide, CNG model in 37 states. 2014 AutoBlog Green. Feb. 4, 2014. www.autoblog.com/2014/02/04/2014-honda-civic-hybrid-now-available-cng-model-in-37-states. Accessed April 2014.

Cheng, LeBaron, Murrell, and Loos 1982. Light-Duty Automotive Fuel Economy Trends Through 1982. *SAE*. Paper 820300, February 1982.

DeCicco, J.M. 2010. A fuel efficiency horizon for U.S. automobiles. Technical Report, University of Michigan, School of Natural Resources and Environment. Report prepared for The Energy Foundation deepblue.lib.umich.edu/bitstream/handle/2027.42/78178/DeCicco_AutoEfficiencyHorizon_Sept2010.pdf.

(EPA) Environmental Protection Agency 1972. U.S. Environmental Protection Agency, Fuel Economy and Emission Control, November 1972.

(EPA) Environmental Protection Agency 1984. Fuel economy of motor vehicles; Revisions to improve fuel economy labeling and the fuel economy Data base. *49 Federal Register*, 13832-13855, April 6, 1984.

(EPA) Environmental Protection Agency 2006. Fuel economy labeling of motor Vehicles; Revisions to improve calculation of fuel economy estimates; Final rule. *71 Federal Register,* 77871-77969, December 27, 2006.

(EPA) Environmental Protection Agency 2007. Light-Duty Automotive Technology and Fuel Economy Trends: 1975 through 2007. U.S. EPA420-S-07-001, Office of Transportation and Air Quality, September 2007.

(EPA) Environmental Protection Agency 2008. Light-Duty Automotive Technology and Fuel Economy Trends: 1975 through 2008. U.S. EPA420-R-08-015, Office of Transportation and Air Quality, September 2008.

(EPA) Environmental Protection Agency 2009. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2009. U.S. EPA420-R-09-014, Office of Transportation and Air Quality, November 2009.

(EPA) Environmental Protection Agency 2010a. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2010. U.S. EPA-420-R-10-023, Office of Transportation and Air Quality, November 2010.

(EPA) Environmental Protection Agency 2010b. Regulation of fuels and fuel additives: Changes to renewable fuel standard program; Final rule. *75 Federal Register,* 14669-15320, March 26, 2010.

(EPA) Environmental Protection Agency 2012a. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2011. U.S. EPA-420-R-12-001, Office of Transportation and Air Quality, March 2012.

(EPA) Environmental Protection Agency 2012b. Regulatory Impact Analysis: Final Rulemaking for 2017-2025 Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards. EPA-420-R-016, August 2012.

(EPA) Environmental Protection Agency 2013a. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2012. U.S. EPA-420-R-13-001, Office of Transportation and Air Quality, March 2013.

(EPA) Environmental Protection Agency 2013b. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2013. U.S. EPA-420-R-13-002, Office of Transportation and Air Quality, December 2013.

(EPA) Environmental Protection Agency 2014. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2014. U.S. EPA-420-R-14-023a, Office of Transportation and Air Quality, October 2014.

(EPA) Environmental Protection Agency 2015a. Greenhouse Gas Emission Standards for Light-Duty Vehicles—Manufacturer Performance Report for the 2013 Model Year, Office of Transportation and Air Quality, EPA-420-R-15-008a, March 2015

(EPA) Environmental Protection Agency 2015b. Greenhouse Gas Emission Standards for Light-Duty Vehicles—Manufacturer Performance Report for the 2014 Model Year, Office of Transportation and Air Quality, EPA-420-R-15-026, December 2015

(EPA) Environmental Protection Agency 2015c. Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2015. U.S. EPA-420-R-15-016, Office of Transportation and Air Quality, December 2015.

(EPA) Environmental Protection Agency 2016. Greenhouse Gas Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2015 Model Year, Office of Transportation and Air Quality, EPA-420-R-16-014, November 2016.

(EPA and DOT) Environmental Protection Agency and Department of Transportation 2010. Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards; Final Rule. *75 Federal Register*, 25324-25728, May 7, 2010.

(EPA and DOT) Environmental Protection Agency and Department of Transportation 2012. 2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards. *77 Federal Register,* 62624-63200, October 15, 2012.

Foster, Murrell and Loos 1981. Light-Duty Automotive Fuel Economy Trends through 1981. *SAE*. Paper 810386, February 1981.

Heavenrich and Hellman 1996. Light-Duty Automotive Technology and Fuel Economy Trends through 1996. U.S. EPA/AA/TDSG/96-01, July 1996.

Heavenrich and Hellman 1999. Light-Duty Automotive Technology and Fuel Economy Trends through 1999. U.S. EPA420-R-99-018, September 1999.

Heavenrich and Hellman 2000. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2000. U.S. EPA420-R-00-008, December 2000.

Heavenrich and Hellman 2001. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2001. U.S. EPA420-R-01-008, September 2001.

Heavenrich and Hellman 2003. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2003. U.S. EPA420-R-03-006, April 2003.

Heavenrich and Hellman 2004. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2004. U.S. EPA420-R-04-001, April 2004.

Heavenrich and Murrell 1988. Light-Duty Automotive Trends Through 1988 U.S. EPA, EPA/AA/CTAB/88-07, June 1988.

Heavenrich and Murrell 1990. Light-Duty Automotive Technology and Fuel Economy Trends through 1990. U.S. EPA, EPA/AA/CTAB/90-03, June 1990.

Heavenrich, Cheng, and Murrell 1986. Light-Duty Automotive Trends through 1986. *SAE*. Paper 860366, February 1986.

Heavenrich, Murrell, and Cheng 1987. Light-Duty Automotive Trends through 1987. *SAE.* Paper 871088, May 1987.

Heavenrich, Murrell, and Hellman 1989. Light-Duty Automotive and Technology Trends through 1989. U.S. EPA, EPA/AA/CTAB/89-04, May 1989.

Heavenrich, Murrell, and Hellman 1991. Light-Duty Automotive Technology and Fuel Economy Trends through 1991. U.S. EPA/AA/CTAB/91-02, May 1991.

Heavenrich, Murrell, Cheng, and Loos 1984. Passenger Car Fuel Economy - Trends through 1984. *SAE*. Paper 840499, February 1984.

Heavenrich, Murrell, Cheng, and Loos 1985. Light-Duty Automotive Fuel Economy - Trends through 1985. *SAE*. Paper 850550, March 1985.

Heavenrich, Robert M. 2005. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2005. U.S. EPA420-R-05-001, July 2005.

Heavenrich, Robert M. 2006. Light-Duty Automotive Technology and Fuel Economy Trends 1975 through 2006. U.S. EPA420-R-06-011, July 2006.

Loos, Cheng, Murrell and Heavenrich, 1984. Light Truck Fuel Economy - Trends through 1984. *SAE*. Paper 841405, October 1984.

MacKenzie, D., Heywood, J. 2012. Acceleration performance trends and the evolving relationship among power, weight, and acceleration in U.S. light-duty vehicles: A linear regression analysis. *Transportation Research Board,* Paper No. 12-1475, TRB 91st Annual Meeting, Washington, DC, January 2012.

Malliaris, A.C., Hsia, H., and Gould, H. 1976. Concise description of auto fuel economy and performance in recent model years. *SAE*. Paper 760045.

Murrell 1978. Light-Duty Automotive Fuel Economy Trends through 1978. *SAE.* Paper 780036, February 1978.

Murrell 1979. Light-Duty Automotive Fuel Economy Trends through 1979. *SAE*. Paper 790225, February 1979.

Murrell and Heavenrich 1990. Downward Trend in Passenger Car Fuel Economy - A View of Recent Data. U.S. EPA, EPA/AA/CTAB/90-01, January 1990.

Murrell, Foster and Bristor 1980. Light-Duty Automotive Fuel Economy Trends through 1980. *SAE*. Paper 800853, June 1980.

Murrell, Hellman, and Heavenrich 1993. Light-Duty Automotive Technology and Fuel Economy Trends through 1993. U.S. EPA/AA/TDG/93-01, May 1993.

Murrell, Loos, Heavenrich, and Cheng 1983. Light-Duty Automobile Fuel Economy Trends through 1983. *SAE*. Paper 830544, February 1983.

Murrell, Pace, Service, and Yeager 1976. Light-Duty Automotive Fuel Economy Trends through 1977. *SAE.* Paper 760795, October 1976.

Notter, D. et al. 2010. Contribution of Li-Ion Batteries to the Environmental Impact of Electric Vehicles. *Environmental Science & Technology.* 44 (17): 6550-6556, August 2010.

Plotkin, S., Stephens, T., McManus, W. 2013. Vehicle Technology Deployment Pathways: An Examination of Timing and Investment Constraints. *Transportation Energy Futures Report Series*. Prepared for the U.S. Department of Energy by Argonne National Laboratory. DOE/GO-102013-3708, March 2013.

SAE 2010. Utility factor definitions for plug-in hybrid electric vehicles using travel survey data. *SAE.* J2841, September 2010.

Samaras, C. and Meisterling, K. 2008. Life Cycle Assessment of Greenhouse Gas Emissions from Plug-in Hybrid Vehicles: Implications for Policy. *Environmental Science & Technology.* 42 (9): 3170–3176, April 2008.

Santini, Danilo J. and Anderson, John. 1993. Determinates of multiple measures of acceleration. *SAE,* Paper 931805.

Shuldiner, Herb 2013. Honda forecasts steady sales of pioneering CNG Civic. *Wards Auto*. March 19, 2013. wardsauto.com/sales-amp-marketing/honda-forecasts-steady-sales-pioneering-cng-civic. Accessed December 2013.

Wards Automotive, 1996 – 2008 Annual Databooks.

Young. 1991. Regression analysis of acceleration performance of light-duty vehicles. *DOT HS.* 807 763, September 1991.

Zoepf, S. and Heywood, J. 2013. Characterizations of Deployment Rates in Automotive Technology. National Academy of Sciences Meeting, March 2013.

Appendices

Appendix A: Vehicles with Lowest and Highest Unadjusted, Laboratory Fuel Economy by Model Year

Appendix B: Production-weighted Percent Distribution of Adjusted Fuel Economy (MPG)

Appendix C: Percent of 1975 to 2016 Production by Fuel Economy Brand

Appendix D: Fuel Economy Data Stratified by Vehicle Type*

Appendix E: Fuel Economy Data Stratified by Vehicle Type and Weight Class

Appendix F: Fuel Economy Data Stratified by Vehicle Type and Drive Type*

Appendix G: Fuel Economy Data Stratified by Vehicle Type and Transmission

Appendix H: Fuel Economy Data Stratified by Vehicle Type and Cylinder Count

Appendix I: Fuel Economy Data Stratified by Vehicle Type, Engine Type and Valves Per Cylinder

Appendix J: Unadjusted, Laboratory Fuel Economy (MPG) by Manufacturer, Vehicle Type and Inertia Weight

Appendix K: Fuel Economy Data Stratified by Manufacturer and Vehicle Type*

NOTES:

* Historic vehicle size classifications are retained in selected appendices for MY 1975-2011, though they are no longer discussed in the body of the report. See table below for size thresholds by historic vehicle type:

	Car Interior Volume (cubic feet)	Wagon Interior Volume (cubic feet)	Car SUV Wheelbase (inches)	Truck SUV Wheelbase (inches)	Pickup Wheelbase (inches)	Van/Minivan Wheelbase (inches)
Small	<=109	<=129	<100	<100	<105	<109
Midsize	110-119	130-159	100-110	100-110	105-115	109-124
Large	>=120	>=160	>110	>110	>115	>124

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Appendix A: Vehicles with Lowest and Highest Unadjusted, Laboratory Fuel Economy by Model Year

Rank	Car or Truck	Model Year	Manufacturer	Model Name	Vehicle Type	Inertia Weight	Drive	Transmission	Gears	Fuel Delivery	HP	CID	Fuel Economy (MPG)		
													City	Hwy	Comb
Low	Car	1975	GM	TORONADO	Car	5500	Front	Automatic		Carb	175	455	8.5	12.1	9.8
Low	Car	1976	Jaguar Land Rover	JENSEN	Car	4500	Rear	Automatic	3	Carb	250	440	8.6	12.8	10.1
Low	Car	1977	BMW	ROLLS ROYCE/	Car	5500	Rear	Automatic		Carb	170	412	8.7	11.4	9.7
Low	Car	1978	Fiat-Chrysler	MONACO	Car	5000	Rear	Automatic	3	Carb	240	440	8.3	11.2	9.4
Low	Car	1979	Aston Martin	ASTON MARTIN V8	Car	4500	Rear	Manual	5	Carb	60	326	7.6	12.4	9.2
Low	Car	1980	Aston Martin	79 ASTON MARTIN	Car	4500	Rear	Manual	5	Carb	275	326	7.6	12.4	9.2
Low	Car	1981	Peugeot	604	Car	3500	Rear	Automatic	3	Carb	132	174	3.5	7.7	5.0
Low	Car	1982	Fiat-Chrysler	QUATTROPORTE	Car	5000	Rear	Automatic with Lockup	3	Carb	288	301	8.5	12.6	9.9
Low	Car	1983	Fiat-Chrysler	QUATTROPORTE	Car	5000	Rear	Automatic with Lockup	3	Carb	288	301	8.5	12.6	9.9
Low	Car	1984	Fiat-Chrysler	QUATTROPORTE	Car	5000	Rear	Automatic with Lockup	3	Carb	288	301	8.5	12.6	9.9
Low	Car	1985	Fiat-Chrysler	QUATTROPORTE	Car	5000	Rear	Automatic with Lockup	3	Carb	288	301	8.5	12.6	9.9
Low	Car	1986	VW	COUNTACH	Car	3500	Rear	Manual	5	Port	420	315	6.8	13.4	8.7
Low	Car	1987	VW	COUNTACH	Car	3500	Rear	Manual	5	Port	420	315	6.8	13.4	8.7
Low	Car	1988	VW	COUNTACH	Car	3500	Rear	Manual	5	Port	420	315	6.8	13.4	8.7
Low	Car	1989	VW	COUNTACH	Car	3500	Rear	Manual	5	TBI	420	315	6.8	13.4	8.7
Low	Car	1990	Aston Martin	LAG	Car	5000	Rear	Automatic with Lockup	3	Port	240	326	9.3	13.9	10.9
Low	Car	1991	Vector	VECTOR W8	Car	4000	Rear	Automatic	3	Port	450	365	8.2	13.7	10.0
Low	Car	1992	Vector	VECTOR W8	Car	4000	Rear	Automatic	3	Port	450	365	8.2	13.7	10.0
Low	Car	1993	Vector	VECTOR W8	Car	4000	Rear	Automatic	3	Port	450	365	8.2	13.7	10.0
Low	Car	1994	VW	DB132/DIABLO	Car	4000	4wd	Manual	5	Port	492	348	10.4	18.1	12.8
Low	Car	1995	Fiat-Chrysler	FERRARI F50	Car	3000	Rear	Manual	6	Port	510	287	8.4	14.1	10.3
Low	Car	1996	VW	AVTECH SC_-_M12	Car	4000	Rear	Manual	5	Port	492	348	9.9	16.2	12.0
Low	Car	1997	VW	DB132-144 -_DIABLO	Car	4000	4wd	Manual	5	Port	492	348	10.2	18.1	12.7
Low	Car	1998	Ferrari	FERRARI 550_MARANELLO	Car	4000	Rear	Manual	6	Port	475	334	10.1	18.9	12.8
Low	Car	1999	Fiat-Chrysler	FERRARI 550_MARANELLO	Car	4000	Rear	Manual	6	Port	475	334	10.0	18.0	12.5
Low	Car	2000	Fiat-Chrysler	FERRARI 550_MARANELLO	Car	4000	Rear	Manual	6	Port	475	334	9.4	16.7	11.7
Low	Car	2001	Fiat-Chrysler	FERRARI 550_MARANELLO-BARCHE	Car	4000	Rear	Manual	6	Port	475	334	9.4	16.7	11.7
Low	Car	2002	VW	L-147 MURCIELAGO	Car	4000	4wd	Manual	6	Port	580	378	10.1	16.3	12.2
Low	Car	2003	Fiat-Chrysler	ENZO FERRARI	Car	3500	Rear	Automatic with Lockup	6	Port	646	366	8.4	15.8	10.7
Low	Car	2004	VW	L-147-148 MURCIELAGO	Car	4000	4wd	Manual	6	Port	580	378	10.1	17.1	12.4
Low	Car	2005	VW	L-147-148 MURCIELAGO	Car	4000	4wd	Manual	6	Port	580	378	10.1	17.1	12.4
Low	Car	2006	VW	VEYRON	Car	4500	4wd	Automatic with Lockup	6	Port	1001	488	9.4	18.9	12.1
Low	Car	2007	VW	L-147-148 MURCIELAGO	Car	4000	4wd	Manual	6	Port	631	396	10.1	17.5	12.5
Low	Car	2008	VW	VEYRON	Car	4500	4wd	Automatic with Lockup	6	Port	1001	488	9.5	17.8	12.0
Low	Car	2009	VW	MURCIELAGO ROADSTER	Car	4000	4wd	Manual	6	Port	631	396	10.1	17.5	12.5
Low	Car	2010	VW	Veyron	Car	4500	4wd	Automatic	7	Port	1001	488	9.5	17.8	12.0
Low	Car	2011	Ferrari	Ferrari 612 SCAGLIETTI	Car	4500	Rear	Automatic	6	Port	532	348	11.5	21.8	14.6
Low	Car	2012	VW	Veyron	Car	4500	4wd	Automatic	7	Port	1200	488	10.0	17.9	12.5
Low	Car	2013	VW	Veyron	Car	4500	4wd	Automatic with Lockup	7	Port	1200	488	10.0	17.9	12.5
Low	Car	2014	VW	Veyron	Car	4500	4wd	Automatic with Lockup	7	Port	1200	488	10.0	17.9	12.5
Low	Car	2015	VW	Aventador Roadster	Car	4000	4wd	Automatic with Lockup	7	Port	700	396.5	11.5	21.2	14.5
Low	Car	2016	VW	Aventador Roadster	Car	4000	4wd	Automatic with Lockup	7	Port	700	396.5	12.0	23.0	15.3
Low	Car	2017	VW	Aventador Coupe LP740-4	Car	4000	4wd	Automatic with Lockup	7	Port	740	396.5	11.9	21.8	14.9
Low	Car	2017	VW	Aventador Roadster LP740-4	Car	4000	4wd	Automatic with Lockup	7	Port	740	396.5	11.9	21.8	14.9

Appendix A: Vehicles with Lowest and Highest Unadjusted, Laboratory Fuel Economy by Model Year

Rank	Car or Truck	Model Year	Manufacturer	Model Name	Vehicle Type	Inertia Weight	Drive	Transmission	Gears	Fuel Delivery	HP	CID	Fuel Economy (MPG)		
													City	Hwy	Comb
High	Car	1975	Honda	CIVIC CVCC	Car	2000	Front	Manual	5	Carb	52	90	28.2	42.3	33.2
High	Car	1976	Honda	CIVIC CVCC	Car	2000	Front	Manual	3	Carb	60	91	31.6	42.8	35.8
High	Car	1977	Honda	CIVIC CVCC	Car	2000	Front	Manual		Carb	60	91	39.7	51.6	44.3
High	Car	1978	VW	RABBIT	Car	2250	Front	Manual	4	Diesel	48	90	39.1	52.2	44.1
High	Car	1979	VW	RABBIT	Car	2250	Front	Manual	5	Diesel	48	90	40.8	54.6	46.0
High	Car	1980	VW	RABBIT	Car	2250	Front	Manual	5	Diesel	48	90	41.9	56.5	47.4
High	Car	1981	VW	RABBIT	Car	2250	Front	Manual	4	Diesel	52	97	42.1	58.2	48.1
High	Car	1982	VW	RABBIT	Car	2250	Front	Manual	4	Diesel	52	97	45.4	57.8	50.2
High	Car	1983	Nissan	NISSAN SENTRA	Car	2250	Front	Manual	4	Diesel	55	103	48.2	61.3	53.4
High	Car	1984	Honda	CIVIC COUPE	Car	2000	Front	Manual	5	Carb	60	82	50.8	65.7	56.5
High	Car	1985	GM	SPRINT	Car	1750	Front	Manual	5	Carb	48	61	52.7	67.5	58.5
High	Car	1985	GM	FIREFLY	Car	1750	Front	Manual	5	Carb	48	61	52.7	67.5	58.5
High	Car	1985	Suzuki	SA310	Car	1750	Front	Manual	5	Carb	48	61	52.7	67.5	58.5
High	Car	1986	GM	SPRINT ER	Car	1750	Front	Manual	5	Carb	46	61	61.5	76.4	67.4
High	Car	1987	GM	SPRINT ER	Car	1750	Front	Manual	5	Carb	46	61	59.7	74.5	65.6
High	Car	1988	GM	SPRINT METRO	Car	1750	Front	Manual	5	Carb	46	61	59.7	74.5	65.6
High	Car	1989	Honda	CIVIC CRX	Car	2000	Front	Manual	5	Port	62	91	55.2	70.6	61.2
High	Car	1990	GM	METRO XFI	Car	1750	Front	Manual	5	TBI	49	61	59.1	74.8	65.3
High	Car	1991	GM	METRO XFI	Car	1750	Front	Manual	5	TBI	55	61	59.1	74.7	65.3
High	Car	1992	GM	METRO XFi	Car	1750	Front	Manual	5	TBI	55	61	59.1	74.8	65.3
High	Car	1993	GM	METRO XFi	Car	1750	Front	Manual	5	TBI	55	61	59.1	74.8	65.3
High	Car	1994	GM	METRO XFi	Car	1750	Front	Manual	5	TBI	55	61	60.0	74.7	65.8
High	Car	1995	Honda	CIVIC HB VX	Car	2250	Front	Manual	5	Port	91	91	51.7	72.0	59.2
High	Car	1996	Suzuki	SWIFT	Car	2000	Front	Manual	5	TBI	55	61	49.5	63.1	54.8
High	Car	1997	GM	METRO	Car	2000	Front	Manual	5	TBI	55	61	48.9	63.2	54.4
High	Car	1998	GM	METRO	Car	2000	Front	Manual	5	TBI	55	60	47.5	63.5	53.6
High	Car	1999	VW	NEW JETTA	Car	3000	Front	Manual	5	Diesel	90	116	46.3	62.8	52.5
High	Car	1999	VW	NEW BEETLE	Car	3000	Front	Manual	5	Diesel	90	116	46.3	62.8	52.5
High	Car	1999	VW	NEW GOLF	Car	3000	Front	Manual	5	Diesel	90	116	46.3	62.8	52.5
High	Car	2000	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	67	61	68.3	89.4	76.4
High	Car	2001	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	67	61	67.7	88.1	75.6
High	Car	2002	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	67	61	67.7	87.2	75.3
High	Car	2003	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	67	61	67.4	87.2	75.1
High	Car	2004	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	67	61	67.1	84.1	73.8
High	Car	2005	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	73	61	67.7	84.4	74.3
High	Car	2006	Honda	INSIGHT	Car	2000	Front	Manual	5	Port	73	61	67.0	84.2	73.8
High	Car	2007	Toyota	PRIUS	Car	3000	Front	CVT	1	Port	76	91	66.6	64.8	65.8
High	Car	2008	Toyota	PRIUS	Car	3000	Front	CVT	1	Port	76	91	66.6	64.8	65.8
High	Car	2009	Toyota	PRIUS	Car	3000	Front	CVT	1	Port	76	91	66.6	64.8	65.8
High	Car	2010	Honda	FCX	Car	4000	Front	Automatic with Lockup	1	Port	130		84.9	86.8	85.7
High	Car	2011	BMW	1 Series Active E	Car	4000	Rear	Automatic	1	Electric	168		152.5	137.7	145.5
High	Car	2012	Mitsubishi	i-MiEV	Car	2750	Rear	Automatic with Lockup	1	Electric	66		180.5	141.0	160.3
High	Car	2013	Toyota	iQ EV	Car	2750	Front	CVT	1	Electric	63		197.6	149.7	172.7
High	Car	2014	BMW	I3 BEV	Car	3000	Rear	Automatic	1	Electric	168		196.4	159.1	177.7

Appendix A: Vehicles with Lowest and Highest Unadjusted, Laboratory Fuel Economy by Model Year

Rank	Car or Truck	Model Year	Manufacturer	Model Name	Vehicle Type	Inertia Weight	Drive	Transmission	Gears	Fuel Delivery	HP	CID	Fuel Economy (MPG)		
													City	Hwy	Comb
High	Car	2015	BMW	I3 BEV	Car	3000	Rear	Automatic	1	Electric	168		196.4	159.1	177.7
High	Car	2016	BMW	I3 REX	Car	3500	Rear	Automatic	1	Port	38	36.61	372.2	144.8	218.1
High	Car	2017	Hyundai	Ioniq Electric	Car	3500	Front	Automatic	1	Electric	118		224.8	182.7	203.7
Low	Truck	1975	Ford	FORD F-250	Pickup	5000	Rear	Automatic		Carb	150	360	8.4	10.0	9.0
Low	Truck	1976	GM	CHEV P20 STEP	Van	6500	Rear	Automatic		Carb	245	454	8.1	10.9	9.2
Low	Truck	1977	Toyota	LAND CRUISER WAG	Truck SUV	4500	Rear	Manual		Carb	125	258	8.2	11.4	9.4
Low	Truck	1978	GM	CHEV C20 SUBN	Truck SUV	5500	Rear	Automatic		Carb	185	454	8.9	10.4	9.5
Low	Truck	1978	GM	GMC C2500 SUBN	Truck SUV	5500	Rear	Automatic		Carb	185	454	8.9	10.4	9.5
Low	Truck	1979	Ford	PICKUP	Pickup	5500	Rear	Automatic	3	Carb	270	460	9.0	9.9	9.4
Low	Truck	1980	GM	CAB CHAS.	Pickup	6000	Rear	Automatic with Lockup	3	Carb	155	350	9.0	11.3	9.9
Low	Truck	1981	Fiat-Chrysler	B250 VAN CONVERS	Van	5500	Rear	Automatic	3	Carb	170	360	9.9	12.9	11.1
Low	Truck	1982	GM	G30 SPRTVN 2WD	Van	6000	Rear	Automatic with Lockup	3	Carb	165	350	10.6	13.9	11.9
Low	Truck	1982	GM	G30 SPRTVN 2WD	Van	5500	Rear	Automatic with Lockup	3	Carb	165	350	10.6	13.9	11.9
Low	Truck	1982	GM	G35 SPRTVN 2WD	Van	6000	Rear	Automatic with Lockup	3	Carb	165	350	10.6	13.9	11.9
Low	Truck	1982	GM	G35 SPRTVN 2WD	Van	5500	Rear	Automatic with Lockup	3	Carb	165	350	10.6	13.9	11.9
Low	Truck	1983	Ford	E250 ECONOLINE 2	Van	5500	Rear	Automatic	3	Carb	143	351	10.9	13.9	12.1
Low	Truck	1984	Fiat-Chrysler	B350 WAGON 2WD	Van	5500	Rear	Automatic	3	Carb	175	360	9.7	13.7	11.2
Low	Truck	1985	Ford	E250 ECONOLINE 2	Van	5500	Rear	Automatic	3	Carb	154	351	10.6	12.3	11.3
Low	Truck	1986	Fiat-Chrysler	B350 WAGON 2WD	Van	5500	Rear	Automatic	3	Carb	170	360	10.9	14.3	12.2
Low	Truck	1987	Fiat-Chrysler	AW150 RAMCHARGER	Truck SUV	5000	4wd	Automatic	3	Carb	175	360	10.3	14.4	11.8
Low	Truck	1988	Fiat-Chrysler	W100/W150 PICKUP	Pickup	5000	4wd	Automatic	3	Carb	175	360	10.4	13.7	11.7
Low	Truck	1988	Fiat-Chrysler	W250 PICKUP 4WD	Pickup	5000	4wd	Automatic	3	Carb	175	360	10.4	13.7	11.7
Low	Truck	1989	Fiat-Chrysler	B350 WAGON 2WD	Van	5500	Rear	Automatic	3	TBI	145	360	11.0	14.1	12.2
Low	Truck	1990	GM	C1500 P/U 2WD	Pickup	4500	Rear	Automatic	3	TBI	230	454	10.6	14.1	11.9
Low	Truck	1991	Fiat-Chrysler	W250 PICKUP 4WD	Pickup	5500	4wd	Manual	3	TBI	190	360	10.4	16.1	12.4
Low	Truck	1992	Fiat-Chrysler	W250 PICKUP 4WD	Pickup	5000	4wd	Manual	4	TBI	203	360	10.3	16.7	12.4
Low	Truck	1992	Fiat-Chrysler	W250 PICKUP 4WD	Pickup	5500	4wd	Manual	4	TBI	203	360	10.3	16.7	12.4
Low	Truck	1993	GM	C1500 P/U 2WD	Pickup	4500	Rear	Automatic with Lockup	4	TBI	255	454	10.6	15.8	12.5
Low	Truck	1994	Fiat-Chrysler	B150/B250 WAGON	Van	5500	Rear	Automatic with Lockup	4	Port	230	360	12.7	18.2	14.7
Low	Truck	1995	Fiat-Chrysler	B3500 WAGON 2WD	Van	5500	Rear	Automatic with Lockup	4	Port	230	360	12.5	18.7	14.7
Low	Truck	1996	Fiat-Chrysler	RAM 1500_PICKUP_4WD	Pickup	5500	4wd	Automatic with Lockup	4	Port	230	360	12.2	19.5	14.7
Low	Truck	1996	Fiat-Chrysler	RAM 2500_PICKUP_4WD	Pickup	5500	4wd	Automatic with Lockup	4	Port	230	360	12.2	19.5	14.7
Low	Truck	1997	Fiat-Chrysler	B3500 WAGON_2WD	Van	5500	Rear	Automatic with Lockup	4	Port	230	360	12.1	18.8	14.4
Low	Truck	1997	Fiat-Chrysler	B3500 WAGON_2WD	Van	6000	Rear	Automatic with Lockup	4	Port	230	360	12.1	18.8	14.4
Low	Truck	1998	Fiat-Chrysler	RAM 1500_PICKUP_4WD	Pickup	6000	4wd	Automatic with Lockup	4	Port	235	360	12.8	20.8	15.5
Low	Truck	1999	Fiat-Chrysler	DURANGO 4WD	Truck SUV	5000	4wd	Automatic with Lockup	4	Port	245	360	13.0	20.8	15.7
Low	Truck	1999	Fiat-Chrysler	RAM 1500_PICKUP_4WD	Pickup	5000	4wd	Automatic with Lockup	4	Port	245	360	13.0	20.8	15.7
Low	Truck	2000	Fiat-Chrysler	RAM 1500_PICKUP_4WD	Pickup	6000	4wd	Automatic with Lockup	4	Port	230	318	12.8	20.4	15.4
Low	Truck	2001	GM	K1500 SIERRA_4WD	Pickup	5500	4wd	Automatic with Lockup	4	Port	300	364	12.4	18.0	14.4
Low	Truck	2002	Fiat-Chrysler	RAM 1500_PICKUP_4WD	Pickup	5500	4wd	Automatic with Lockup	4	Port	245	360	12.7	19.7	15.1
Low	Truck	2003	GM	G1500-2500 CHEVY_VAN_2WD	Van	6000	Rear	Automatic with Lockup	4	Port	300	364	10.7	18.0	13.1
Low	Truck	2004	GM	G1500-2500 SAVANA 2WD CARGO	Van	6000	Rear	Automatic with Lockup	4	Port	300	412	10.2	17.1	12.5
Low	Truck	2004	GM	G1500-2500 CHEVY VAN 2WD	Van	6000	Rear	Automatic with Lockup	4	Port	300	412	10.2	17.1	12.5
Low	Truck	2005	Fiat-Chrysler	RAM 1500 PICKUP 2WD	Pickup	6000	Rear	Automatic with Lockup	4	Port	500	505	10.0	15.7	12.0

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Rank	Car or Truck	Model Year	Manufacturer	Model Name	Vehicle Type	Inertia Weight	Drive	Transmission	Gears	Fuel Delivery	HP	CID	Fuel Economy (MPG)		
													City	Hwy	Comb
Low	Truck	2006	Fiat-Chrysler	RAM 1500 PICKUP 2WD	Pickup	6000	Rear	Automatic with Lockup	4	Port	500	505	10.0	15.7	12.0
Low	Truck	2007	Ford	STAGE3 F150 SUPERCREW 4WD	Pickup	6500	4wd	Automatic with Lockup	4	Port	445	330	12.9	19.1	15.1
Low	Truck	2008	Mercedes	G55 AMG	Truck SUV	6000	4wd	Automatic with Lockup	5	Port	493	332	13.2	18.5	15.2
Low	Truck	2009	Mercedes	ML63 AMG	Truck SUV	5500	4wd	Automatic with Lockup	7	Port	503	379	12.8	19.8	15.2
Low	Truck	2010	Mercedes	ML 63 AMG	Truck SUV	5500	4wd	Automatic with Lockup	7	Port	503	384	12.8	19.7	15.2
Low	Truck	2011	Ford	E150 Van Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2011	Ford	E150 Wagon Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2011	Ford	E250 Van Propane	Van	5500	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2011	Ford	E250 Van Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2011	Ford	E350 Van Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2011	Ford	E350 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	330	7.9	9.2	8.4
Low	Truck	2012	Ford	E150 Van Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2012	Ford	E150 Wagon Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2012	Ford	E250 Van Propane	Van	5500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2012	Ford	E250 Van Propane	Van	6000	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2012	Ford	E350 Van Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2012	Ford	E350 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2013	Ford	E150 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2013	Ford	E350 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2014	Ford	E150 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2014	Ford	E350 Wagon Propane	Van	6500	Rear	Automatic with Lockup	4	Port	255	329.5	10.9	12.7	11.6
Low	Truck	2015	GM	G3500 EXPRESS 2WD PASS MDPV	Van	7000	Rear	Automatic with Lockup	6	Port	324	366.1	12.6	20.6	15.3
Low	Truck	2015	GM	G3500 SAVANA 2WD PASS MDPV	Van	7000	Rear	Automatic with Lockup	6	Port	324	366.1	12.6	20.6	15.3
Low	Truck	2016	Mercedes	AMG G65	Truck SUV	6000	4wd	Automatic with Lockup	7	Port	621	364.9	13.0	18.6	15.0
Low	Truck	2017	Mercedes	G 550 4x4	Truck SUV	7000	4wd	Automatic with Lockup	7	GDI	416	243	12.9	16.3	14.2
High	Truck	1975	Nissan	PICKUP	Pickup	2750	Rear	Manual		Carb	107	119	20.4	31.7	24.3
High	Truck	1976	Ford	COURIER PICKUP	Pickup	3000	Rear	Manual		Carb	65	109	23.5	33.3	27.0
High	Truck	1977	Ford	COURIER CAB CHAS	Pickup	3000	Rear	Manual		Carb	67	110	27.8	39.8	32.2
High	Truck	1977	Ford	COURIER PICKUP	Pickup	3000	Rear	Manual		Carb	67	110	27.8	39.8	32.2
High	Truck	1977	Mazda	MAZDA B1800 PICK	Pickup	3000	Rear	Manual		Carb	67	110	27.8	39.8	32.2
High	Truck	1978	Ford	COURIER PICKUP	Pickup	3000	Rear	Manual		Carb	67	110	29.2	38.4	32.7
High	Truck	1978	Mazda	B1800 PICKUP	Pickup	3000	Rear	Manual		Carb	67	110	29.2	38.4	32.7
High	Truck	1978	Ford	COURIER CAB CHAS	Pickup	3000	Rear	Manual		Carb	67	110	29.2	38.4	32.7
High	Truck	1979	Ford	COURIER PICKUP	Pickup	3000	Rear	Manual	5	Carb	72	120	26.7	36.8	30.5
High	Truck	1979	Mazda	B2000 PICKUP	Pickup	3000	Rear	Manual	5	Carb	72	120	26.7	36.8	30.5
High	Truck	1980	VW	2WD	Pickup	2250	Front	Manual	5	Diesel	48	90	39.9	53.3	45.0
High	Truck	1981	VW	P/U 2WD	Pickup	2250	Front	Manual	5	Diesel	52	97	37.2	50.8	42.3
High	Truck	1982	VW	P/U 2WD	Pickup	2250	Front	Manual	4	Diesel	52	97	40.6	48.0	43.6
High	Truck	1983	VW	P/U 2WD	Pickup	2250	Front	Manual	4	Diesel	52	97	42.0	49.6	45.1
High	Truck	1984	GM	P'UP P/U 2WD	Pickup	2750	Rear	Manual	4	Diesel	62	137	38.4	49.1	42.6
High	Truck	1985	GM	P'UP P/U 2WD	Pickup	2750	Rear	Manual	4	Diesel	62	137	38.4	49.1	42.6
High	Truck	1986	GM	P'UP 2WD	Pickup	2750	Rear	Manual	4	Diesel	62	137	38.4	49.1	42.6
High	Truck	1987	GM	P'UP-2WD	Pickup	3000	Rear	Manual	4	Diesel	60	137	38.4	49.8	42.8
High	Truck	1988	Suzuki	SAMURAI	Truck SUV	2250	4wd	Manual	5	Carb	64	81	30.6	37.2	33.2

Appendix A: Vehicles with Lowest and Highest Unadjusted, Laboratory Fuel Economy by Model Year

Rank	Car or Truck	Model Year	Manufacturer	Model Name	Vehicle Type	Inertia Weight	Drive	Transmission	Gears	Fuel Delivery	HP	CID	Fuel Economy (MPG)		
													City	Hwy	Comb
High	Truck	1989	Suzuki	SIDEKICK	Truck SUV	2250	4wd	Manual	5	Carb	64	79	31.0	36.9	33.4
High	Truck	1990	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.2	36.8	33.5
High	Truck	1991	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.3	36.7	33.5
High	Truck	1992	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.2	36.8	33.5
High	Truck	1993	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.2	36.8	33.5
High	Truck	1994	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.2	36.8	33.5
High	Truck	1995	Suzuki	SAMURAI	Truck SUV	2500	4wd	Manual	5	TBI	66	79	31.3	36.8	33.6
High	Truck	1996	GM	S10 PICKUP_2WD	Pickup	3000	Rear	Manual	5	Port	118	134	26.6	39.8	31.3
High	Truck	1996	GM	SONOMA 2WD	Pickup	3000	Rear	Manual	5	Port	118	134	26.6	39.8	31.3
High	Truck	1997	GM	S10 PICKUP_2WD	Pickup	3000	Rear	Manual	5	Port	118	134	26.6	39.8	31.3
High	Truck	1997	GM	SONOMA 2WD	Pickup	3000	Rear	Manual	5	Port	118	134	26.6	39.8	31.3
High	Truck	1998	Suzuki	X-90 4WD	Truck SUV	2750	4wd	Manual	5	Port	95	97	27.6	35.9	30.8
High	Truck	1999	GM	TRACKER 4X4_CONVERTIBLE	Truck SUV	3000	4wd	Manual	5	Port	97	97	28.1	35.8	31.1
High	Truck	2000	GM	TRACKER CONVERTIBLE_4X4	Truck SUV	3000	4wd	Manual	5	Port	97	97	27.9	35.0	30.7
High	Truck	2000	Suzuki	VITARA CONVERTIBLE_4WD	Truck SUV	3000	4wd	Manual	5	Port	97	97	27.9	35.0	30.7
High	Truck	2001	Mazda	B2300 2WD	Pickup	3500	Rear	Manual	5	Port	138	140	26.7	35.0	29.9
High	Truck	2001	Ford	RANGER PICKUP_2WD	Pickup	3500	Rear	Manual	5	Port	138	140	26.7	35.0	29.9
High	Truck	2002	GM	TRACKER 4WD_HARDTOP	Truck SUV	3500	4wd	Automatic with Lockup	4	Port	141	118	28.6	39.5	32.7
High	Truck	2002	Suzuki	VITARA 4-DOOR_4WD	Truck SUV	3500	4wd	Automatic with Lockup	4	Port	141	118	28.6	39.5	32.7
High	Truck	2003	Ford	RANGER PICKUP_2WD	Pickup	3500	Rear	Manual	5	Port	140	140	26.7	36.5	30.4
High	Truck	2003	Mazda	B2300 2WD	Pickup	3500	Rear	Manual	5	Port	140	140	26.7	36.5	30.4
High	Truck	2004	Ford	RANGER PICKUP 2WD	Pickup	3500	Rear	Manual	5	Port	140	140	26.2	37.1	30.2
High	Truck	2004	Mazda	B2300 2WD	Pickup	3500	Rear	Manual	5	Port	140	140	26.2	37.1	30.2
High	Truck	2005	Ford	ESCAPE HEV 4WD	Truck SUV	4000	4wd	CVT	1	Port	135	140	36.5	36.7	36.6
High	Truck	2006	Ford	MARINER HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	135	140	36.5	36.7	36.6
High	Truck	2006	Mazda	TRIBUTE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	135	140	36.5	36.7	36.6
High	Truck	2006	Ford	ESCAPE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	135	140	36.5	36.7	36.6
High	Truck	2007	Ford	ESCAPE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	133	140	35.8	37.3	36.5
High	Truck	2007	Ford	MARINER HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	133	140	35.8	37.3	36.5
High	Truck	2008	Ford	ESCAPE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	133	140	38.3	37.7	38
High	Truck	2008	Ford	MARINER HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	133	140	38.3	37.7	38
High	Truck	2008	Mazda	TRIBUTE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	133	140	38.3	37.7	38
High	Truck	2009	GM	VUE HYBRID	Truck SUV	4500	Front	CVT	1	GDI	262	218	34.5	41.7	37.4
High	Truck	2010	Mazda	TRIBUTE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	155	153	40.1	38.3	39.3
High	Truck	2011	Ford	ESCAPE HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	155	153	39.8	38.1	39
High	Truck	2011	Ford	MARINER HYBRID 4WD	Truck SUV	4000	4wd	CVT	1	Port	155	153	39.8	38.1	39
High	Truck	2012	Ford	ESCAPE HYBRID AWD	Truck SUV	4000	4wd	CVT	1	Port	155	152.6	39.8	38.1	39
High	Truck	2013	Toyota	RX 450h AWD	Truck SUV	5000	4wd	CVT	1	Port	245	210.9	38.5	38.6	38.6
High	Truck	2014	Subaru	XV CROSSTREK AWD	Truck SUV	3500	4wd	CVT	1	Port	148	122	37.9	46.4	41.3
High	Truck	2015	Toyota	NX 300h AWD	Truck SUV	4500	4wd	CVT	1	Port	112	152.2	43.7	42.4	43.1
High	Truck	2016	BMW	X5 xDrive40e	Truck SUV	5500	4wd	Automatic with Lockup	8	GDI	240	122	50.9	63.6	55.9
High	Truck	2017	Fiat-Chrysler	Pacifica Hybrid	Van	5000	Front	CVT	1	Port	220	219.7	98.4	63.2	78.7

Appendix B: Production-Weighted Percent Distribution of Adjusted Fuel Economy (MPG)

Car or Truck	Model Year	Percentile Level													Actual Average
		0%	1%	5%	10%	20%	25%	50%	75%	80%	90%	95%	99%	100%	
Car	1975	8.4	9.0	9.8	10.1	11.0	11.2	13.1	16.7	17.9	20.9	23.3	27.4	28.3	13.5
Car	1976	8.6	10.2	11.2	11.7	12.3	12.7	14.6	17.3	18.9	22.9	24.5	28.2	30.5	14.9
Car	1977	8.3	10.5	11.6	12.4	13.6	14.0	15.0	17.3	18.9	24.3	28.0	33.8	37.6	15.6
Car	1978	8.0	11.3	12.6	13.2	14.2	14.9	16.9	19.8	21.3	25.0	28.2	32.7	37.5	16.9
Car	1979	7.9	12.0	13.1	13.7	14.6	15.1	16.9	20.4	21.9	24.9	26.5	31.0	39.1	17.2
Car	1980	7.9	13.9	14.8	15.9	17.2	17.6	19.8	23.1	24.0	26.6	29.1	36.1	40.3	20.0
Car	1981	4.0	14.6	15.8	17.0	18.3	18.6	21.6	25.3	26.1	28.6	31.6	37.9	40.9	21.4
Car	1982	8.5	15.4	16.6	17.0	18.2	19.1	23.4	26.0	27.2	29.6	32.6	38.9	42.7	22.2
Car	1983	8.5	16.3	16.5	17.0	17.8	18.4	22.3	26.7	28.0	31.2	33.4	36.6	45.3	22.1
Car	1984	8.5	16.6	17.0	17.3	18.1	19.3	22.9	26.5	27.3	29.9	32.8	38.2	48.0	22.4
Car	1985	8.5	17.6	17.8	18.4	19.5	19.9	22.8	26.7	27.7	29.9	33.6	39.0	49.6	23.0
Car	1986	7.5	18.0	18.8	19.5	20.3	20.6	24.5	26.6	27.6	30.1	33.7	39.3	56.8	23.7
Car	1987	7.5	18.2	18.6	19.2	20.6	21.2	23.9	27.1	27.6	30.1	31.3	38.1	54.8	23.8
Car	1988	7.5	18.1	19.2	19.4	21.2	22.4	24.1	27.2	27.7	30.5	32.4	37.9	54.4	24.1
Car	1989	7.5	18.0	19.3	19.6	20.7	21.7	23.2	26.3	27.2	29.1	31.0	37.7	50.6	23.6
Car	1990	9.2	17.5	19.0	19.3	21.3	21.5	23.1	26.0	26.4	28.3	30.9	34.6	53.4	23.3
Car	1991	8.5	17.1	18.8	19.5	20.3	21.1	22.8	26.1	26.3	29.2	31.2	36.7	53.0	23.3
Car	1992	8.5	16.4	18.3	19.5	20.6	20.8	22.4	25.4	25.9	28.5	31.2	39.1	52.6	22.9
Car	1993	8.5	15.1	18.2	19.2	20.3	21.3	22.7	25.7	26.9	28.4	31.1	35.8	52.2	23.0
Car	1994	10.9	17.1	18.8	19.6	20.1	20.9	22.7	25.6	26.3	28.5	30.6	35.8	52.2	23.0
Car	1995	8.7	16.8	18.9	19.4	21.0	21.7	22.7	26.0	27.1	29.0	31.4	33.8	47.3	23.3
Car	1996	10.1	16.7	19.3	19.5	20.9	21.3	22.6	25.7	26.1	29.1	30.5	33.9	43.3	23.1
Car	1997	10.7	16.9	19.3	19.4	20.7	21.1	23.0	25.3	26.4	28.8	29.8	33.2	42.8	23.2
Car	1998	10.8	17.0	18.6	19.4	21.0	21.3	22.7	25.3	26.1	28.7	29.8	31.5	42.0	23.0
Car	1999	10.5	17.1	18.7	19.4	21.0	21.2	22.3	24.5	25.2	27.8	29.2	30.9	41.0	22.7
Car	2000	9.9	17.1	17.7	19.5	21.0	21.3	22.1	24.3	25.0	27.2	28.5	31.0	57.4	22.5
Car	2001	9.8	16.9	18.3	19.4	20.7	20.8	22.3	25.1	25.6	27.8	30.9	31.9	56.3	22.6
Car	2002	10.1	16.5	18.8	19.7	20.7	21.3	22.5	25.0	25.3	27.3	29.4	31.7	55.6	22.8
Car	2003	9.0	17.1	19.1	19.7	20.8	21.2	23.0	25.1	25.6	28.1	29.4	32.4	55.0	23.0
Car	2004	10.3	17.4	18.5	19.1	20.6	21.0	22.9	25.4	25.8	28.0	29.6	35.3	53.5	22.9
Car	2005	10.3	17.2	18.6	19.4	20.3	21.1	23.3	25.7	25.8	29.1	29.8	41.8	53.3	23.1
Car	2006	10.3	16.9	18.6	19.1	20.4	21.1	23.0	25.5	25.8	28.8	30.9	42.9	53.0	23.0
Car	2007	10.4	17.2	18.7	19.6	20.7	21.2	23.6	25.9	27.5	30.2	31.3	42.9	46.2	23.7
Car	2008	10.1	17.1	18.6	19.8	20.9	21.4	23.6	26.6	27.9	30.3	31.3	42.9	46.2	23.9
Car	2009	10.4	17.2	19.6	20.6	21.8	22.6	25.4	28.1	29.1	30.9	31.0	42.9	46.2	25.0
Car	2010	10.1	18.1	20.1	20.7	22.0	22.7	25.9	29.0	30.2	30.8	35.3	42.9	60.2	25.7
Car	2011	12.4	18.4	20.0	21.2	22.4	23.0	26.3	27.6	28.8	30.4	33.0	41.5	100.6	25.4
Car	2012	11.2	18.8	20.5	21.9	23.4	24.1	27.3	30.3	31.6	32.7	36.2	47.4	109.0	26.9
Car	2013	11.2	19.1	21.4	22.4	24.1	25.1	27.8	31.6	32.3	33.2	38.2	47.7	117.0	27.7
Car	2014	11.2	19.0	21.2	22.4	24.0	24.9	28.4	31.2	31.9	33.9	37.1	47.7	121.3	27.6
Car	2015	12.7	19.1	21.2	22.7	24.6	25.7	28.8	31.9	32.2	33.6	37.1	57.6	121.3	28.2
Car	2016	12.9	18.9	21.5	23.4	25.2	26.0	29.0	32.2	32.6	34.7	36.3	86.9	144.3	28.5
Car	2017	12.6	19.0	22.1	23.4	25.3	25.9	29.2	32.5	33.0	35.2	50.0	109.5	132.6	29.1

Appendix B: Production-Weighted Percent Distribution of Adjusted Fuel Economy (MPG)

Car or Truck	Model Year	Percentile Level													Actual Average
		0%	1%	5%	10%	20%	25%	50%	75%	80%	90%	95%	99%	100%	
Truck	1975	7.6	7.9	8.9	9.2	9.6	9.8	11.7	13.3	15.4	17.8	19.0	19.2	20.8	11.6
Truck	1976	7.8	9.0	9.7	10.0	10.4	10.5	11.9	14.1	15.6	17.2	19.7	21.6	23.0	12.2
Truck	1977	8.0	8.8	10.3	10.9	11.5	11.6	12.5	15.5	15.8	19.6	21.7	25.6	27.4	13.3
Truck	1978	8.0	9.5	10.4	10.6	11.0	11.1	12.2	15.7	16.3	19.3	22.5	24.6	27.8	12.9
Truck	1979	7.9	8.0	9.2	9.6	10.3	10.7	12.1	15.5	16.1	19.4	20.7	25.3	25.9	12.5
Truck	1980	8.4	10.7	11.4	12.1	13.2	13.4	16.1	19.2	20.3	22.2	23.1	25.8	38.3	15.8
Truck	1981	9.4	11.4	12.5	13.3	14.8	15.2	16.1	20.3	21.6	25.0	26.6	31.2	36.0	17.1
Truck	1982	10.1	11.1	12.1	13.3	14.8	15.2	17.1	20.9	22.8	24.3	26.4	30.6	37.0	17.4
Truck	1983	10.3	11.0	12.0	13.4	14.9	15.4	18.2	22.0	22.8	25.2	26.5	30.0	38.2	17.7
Truck	1984	9.5	11.0	12.0	13.2	14.7	15.1	18.3	20.7	21.5	24.3	25.9	29.2	36.1	17.4
Truck	1985	9.6	11.4	12.4	13.6	14.0	14.7	18.5	21.0	21.8	24.0	25.2	28.4	36.1	17.5
Truck	1986	10.4	11.8	13.5	14.4	15.1	15.6	18.6	21.8	22.9	24.2	25.7	27.8	36.0	18.2
Truck	1987	10.0	11.6	13.7	14.2	15.1	15.8	18.7	21.5	22.8	23.7	25.9	27.6	36.0	18.3
Truck	1988	9.8	12.2	13.8	14.2	15.3	15.6	18.5	20.2	21.5	23.3	25.0	27.8	27.8	17.8
Truck	1989	10.2	11.6	13.7	14.4	15.2	15.5	18.5	20.0	20.4	22.6	24.2	24.8	27.7	17.6
Truck	1990	10.0	11.7	13.6	14.0	14.9	15.5	17.6	19.2	20.8	22.3	24.1	24.3	27.6	17.4
Truck	1991	10.4	12.5	13.8	14.4	15.6	16.1	18.2	19.8	20.5	23.0	24.0	24.8	27.5	17.8
Truck	1992	10.4	12.5	14.0	14.3	15.2	15.7	17.6	19.6	20.2	21.8	23.3	24.7	27.3	17.3
Truck	1993	10.5	12.9	13.9	14.1	15.4	15.9	17.8	19.4	19.9	21.8	23.7	24.6	27.2	17.5
Truck	1994	12.2	13.0	13.8	14.1	14.9	15.3	17.4	19.6	19.6	22.3	23.4	23.9	27.0	17.2
Truck	1995	12.2	12.8	13.7	13.9	14.9	15.1	16.9	19.0	19.3	21.5	23.5	24.1	26.9	17.0
Truck	1996	12.2	12.3	13.8	14.4	14.8	15.2	17.4	19.4	19.6	21.5	22.7	24.3	25.6	17.2
Truck	1997	12.0	13.1	13.7	14.5	15.0	15.3	16.8	18.6	19.0	20.0	22.0	24.2	25.5	16.8
Truck	1998	12.9	13.1	13.6	14.2	14.7	15.1	17.2	19.2	19.8	21.5	22.5	23.9	25.1	17.1
Truck	1999	13.0	13.0	13.6	13.9	14.7	15.0	16.8	18.6	19.3	20.3	21.7	23.9	24.7	16.6
Truck	2000	12.6	13.1	13.8	14.5	15.3	15.3	16.8	18.7	19.5	20.1	21.6	22.6	24.8	16.8
Truck	2001	11.8	11.8	13.4	14.1	14.9	15.1	16.3	18.7	19.1	19.9	21.1	22.5	23.6	16.5
Truck	2002	12.4	12.6	13.8	14.4	15.0	15.1	16.2	18.2	18.9	19.8	20.9	22.6	25.8	16.5
Truck	2003	10.9	13.0	13.8	14.1	14.8	15.2	16.3	18.8	19.4	20.8	21.7	22.5	23.9	16.7
Truck	2004	10.4	13.5	13.8	14.3	14.8	15.0	16.3	18.0	18.9	20.2	20.8	22.2	23.8	16.5
Truck	2005	9.8	13.2	14.2	14.5	14.9	15.3	16.7	18.8	19.1	20.6	21.4	22.2	27.0	16.9
Truck	2006	9.8	14.0	14.2	14.7	15.3	15.4	17.1	19.1	19.7	20.8	22.1	25.4	27.0	17.2
Truck	2007	12.2	14.0	14.6	15.0	15.7	15.9	17.1	19.2	19.5	20.8	22.4	23.6	27.1	17.4
Truck	2008	12.2	14.3	14.8	15.0	16.1	16.3	17.6	19.7	20.0	22.1	22.7	24.9	27.9	17.8
Truck	2009	12.4	14.8	15.3	15.7	16.6	16.7	18.9	20.4	20.9	22.6	23.4	25.0	28.3	18.5
Truck	2010	12.2	14.6	15.3	15.8	16.5	17.2	18.9	20.9	21.3	23.3	23.9	24.8	28.7	18.8
Truck	2011	6.7	14.6	15.4	16.2	17.3	17.6	19.1	21.1	22.0	23.7	24.1	24.4	28.2	19.1
Truck	2012	9.1	14.7	15.4	16.1	17.4	17.7	19.4	21.3	22.1	23.6	24.8	25.4	29.1	19.3
Truck	2013	9.1	14.7	15.5	16.6	17.7	17.7	19.6	22.1	23.3	25.0	25.8	28.0	28.5	19.8
Truck	2014	9.1	14.9	16.1	16.9	17.9	18.3	20.2	23.0	24.1	25.8	26.7	28.4	30.6	20.3
Truck	2015	12.7	15.3	17.4	17.8	18.8	19.1	20.7	23.7	24.3	27.6	28.4	28.7	31.5	21.1
Truck	2016	11.9	15.1	17.3	17.9	18.6	18.9	21.1	23.7	24.9	27.6	28.1	29.3	42.6	21.2
Truck	2017	10.8	15.0	17.2	17.6	18.4	18.8	21.2	23.7	24.3	27.5	28.8	30.1	48.5	21.2

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjCity	Car	1975		19.2%	52.1%	20.7%	7.8%	0.2%																																		
AdjCity	Car	1976		3.2%	61.1%	22.2%	11.0%	2.5%																																		
AdjCity	Car	1977		4.6%	60.1%	20.0%	8.2%	5.4%	1.2%	0.5%																																
AdjCity	Car	1978		0.8%	45.2%	34.1%	11.1%	7.0%	1.5%	0.3%																																
AdjCity	Car	1979		0.2%	43.8%	36.0%	15.6%	3.5%	0.4%	0.4%																																
AdjCity	Car	1980		0.0%	17.1%	43.8%	28.8%	8.1%	1.1%	1.1%																																
AdjCity	Car	1981	0.0%	0.0%	9.8%	44.3%	29.2%	12.1%	3.5%	1.0%																																
AdjCity	Car	1982		0.0%	9.2%	36.1%	36.8%	12.7%	3.5%	1.3%	0.3%																																
AdjCity	Car	1983		0.0%	13.6%	37.1%	24.3%	18.1%	5.8%	0.9%	0.1%																																
AdjCity	Car	1984		0.0%	8.5%	38.6%	31.5%	15.1%	5.0%	0.9%	0.2%	0.1%																																
AdjCity	Car	1985		0.0%	0.4%	47.7%	31.8%	13.7%	5.1%	0.8%	0.1%	0.4%																																
AdjCity	Car	1986		0.0%	0.4%	43.5%	35.7%	15.0%	3.3%	1.2%	0.5%	0.0%	0.3%																															
AdjCity	Car	1987		0.0%	0.7%	40.5%	35.7%	20.0%	1.7%	0.9%	0.3%		0.2%																															
AdjCity	Car	1988		0.0%	0.6%	40.2%	37.4%	17.5%	2.2%	1.8%	0.2%	0.1%	0.1%																															
AdjCity	Car	1989		0.0%	0.5%	46.1%	35.2%	15.4%	1.2%	1.1%	0.1%	0.3%																																
AdjCity	Car	1990		0.0%	0.6%	47.5%	37.7%	11.3%	2.4%	0.2%	0.2%	0.1%	0.0%																															
AdjCity	Car	1991		0.0%	0.8%	49.3%	36.7%	10.2%	2.1%	0.2%	0.6%	0.1%	0.0%																															
AdjCity	Car	1992		0.0%	3.5%	54.1%	31.3%	7.8%	2.3%	0.4%	0.6%	0.1%																																
AdjCity	Car	1993		0.0%	5.0%	47.2%	35.6%	9.7%	1.6%	0.2%	0.5%	0.1%																																
AdjCity	Car	1994		0.0%	1.0%	53.1%	35.9%	7.6%	1.5%	0.2%	0.5%	0.1%																																
AdjCity	Car	1995		0.0%	1.1%	54.9%	32.2%	9.8%	1.5%	0.3%	0.3%																																
AdjCity	Car	1996		0.0%	1.6%	55.5%	31.1%	10.1%	1.2%	0.1%	0.3%																																
AdjCity	Car	1997		0.0%	1.5%	51.3%	37.3%	8.5%	1.2%	0.2%																																
AdjCity	Car	1998		0.0%	2.3%	51.6%	34.5%	11.0%	0.3%	0.3%																																
AdjCity	Car	1999		0.0%	1.2%	60.8%	29.8%	7.8%	0.1%	0.2%																																
AdjCity	Car	2000		0.0%	2.9%	59.6%	32.1%	4.9%	0.3%	0.2%			0.1%																														
AdjCity	Car	2001		0.0%	3.2%	60.9%	26.9%	8.3%	0.3%	0.1%	0.2%	0.0%	0.0%																														
AdjCity	Car	2002		0.0%	2.0%	59.6%	31.0%	7.0%	0.0%	0.2%	0.3%	0.0%	0.0%																														
AdjCity	Car	2003		0.0%	1.9%	56.7%	32.3%	8.2%	0.1%	0.4%	0.4%	0.0%																															
AdjCity	Car	2004		0.0%	3.3%	57.3%	30.7%	7.6%	0.2%	0.3%		0.6%																															
AdjCity	Car	2005		0.0%	3.3%	54.5%	31.4%	9.0%	0.2%	0.3%		1.4%																															
AdjCity	Car	2006		0.0%	3.3%	57.0%	28.6%	9.5%	0.3%		0.4%	1.0%																															
AdjCity	Car	2007		0.0%	3.1%	48.2%	35.4%	10.2%	0.8%	0.1%	0.4%	1.8%																															
AdjCity	Car	2008		0.0%	4.4%	48.1%	34.1%	9.9%	0.9%	0.1%	0.4%	2.1%																															
AdjCity	Car	2009		0.0%	2.4%	34.6%	41.6%	18.4%	1.2%	0.2%	0.3%	1.3%																															
AdjCity	Car	2010		0.0%	1.0%	30.4%	43.7%	19.3%	0.4%	0.3%	1.2%		3.6%	0.0%																													
AdjCity	Car	2011		0.0%	1.2%	32.5%	48.5%	14.2%	0.9%	0.2%	0.4%	1.9%	0.0%	0.0%		0.1%					0.0%			0.1%																		
AdjCity	Car	2012		0.0%	0.9%	23.6%	43.7%	25.5%	1.7%	0.6%	1.5%	1.4%	0.5%		0.4%			0.0%		0.0%				0.1%	0.0%			0.0%														
AdjCity	Car	2013		0.0%	0.7%	20.1%	39.5%	31.5%	2.3%	0.7%	2.0%	1.5%	0.5%		0.3%			0.0%		0.1%	0.0%				0.0%		0.3%	0.3%	0.0%	0.0%												
AdjCity	Car	2014		0.0%	0.6%	20.4%	41.0%	29.8%	2.9%	0.9%	1.7%	1.2%	0.4%	0.0%	0.3%	0.3%		0.0%	0.0%	0.2%	0.0%				0.0%	0.1%	0.1%	0.1%	0.0%	0.0%												
AdjCity	Car	2015		0.0%	0.7%	15.8%	40.0%	34.4%	3.7%	0.9%	1.3%	1.7%	0.4%		0.2%	0.1%				0.1%	0.0%	0.1%	0.1%		0.0%	0.1%	0.1%	0.4%		0.0%												
AdjCity	Car	2016			1.0%	11.4%	39.7%	37.1%	6.8%	0.4%	1.0%	0.1%	1.1%	0.1%	0.0%	0.2%			0.0%	0.1%	0.2%	0.1%	0.2%	0.0%	0.0%	0.0%	0.2%	0.2%		0.0%													0.1%
AdjCity	Car	2017		0.0%	0.9%	10.8%	37.4%	36.6%	6.6%	0.6%	1.4%	0.7%	2.0%	0.3%	0.2%	0.2%	0.0%		0.0%	0.1%	0.7%	0.5%	0.1%			0.1%	0.4%	0.3%	0.2%	0.0%		0.0%										

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjCity	Truck	1975		35.3%	53.2%	11.5%																																			
AdjCity	Truck	1976		20.4%	60.9%	17.2%	1.6%																																		
AdjCity	Truck	1977		6.4%	69.7%	18.2%	4.7%	0.9%																																	
AdjCity	Truck	1978		7.6%	70.8%	13.2%	7.4%	0.9%																																	
AdjCity	Truck	1979		17.7%	61.8%	16.0%	4.4%																																		
AdjCity	Truck	1980		0.6%	48.0%	37.5%	13.3%		0.5%	0.1%																															
AdjCity	Truck	1981		0.0%	44.4%	35.6%	15.6%	2.3%	2.1%																																
AdjCity	Truck	1982		0.1%	32.3%	43.7%	19.5%	3.7%	0.2%	0.6%																															
AdjCity	Truck	1983		0.0%	36.0%	39.3%	21.6%	2.0%	0.9%	0.0%																															
AdjCity	Truck	1984		0.8%	36.9%	40.9%	20.0%	0.9%	0.5%	0.0%																															
AdjCity	Truck	1985		0.0%	35.6%	41.2%	20.3%	2.6%	0.2%																																
AdjCity	Truck	1986		0.2%	31.5%	39.9%	25.8%	2.5%	0.2%																																
AdjCity	Truck	1987		0.1%	25.5%	48.9%	22.7%	2.8%	0.1%																																
AdjCity	Truck	1988		0.1%	34.3%	43.7%	20.0%	1.9%																																
AdjCity	Truck	1989		0.1%	35.2%	48.8%	15.2%	0.6%																																
AdjCity	Truck	1990		0.5%	36.2%	49.3%	13.8%	0.3%																																
AdjCity	Truck	1991		0.1%	35.0%	51.1%	13.8%	0.1%																																
AdjCity	Truck	1992		0.1%	44.6%	45.5%	9.7%	0.1%																																
AdjCity	Truck	1993		0.0%	40.3%	50.4%	9.2%	0.0%																																
AdjCity	Truck	1994			47.0%	42.1%	10.9%	0.1%																																
AdjCity	Truck	1995			49.8%	41.0%	9.1%	0.0%																																
AdjCity	Truck	1996			46.8%	44.2%	9.0%																																
AdjCity	Truck	1997			53.5%	39.6%	7.0%																																
AdjCity	Truck	1998			47.3%	46.0%	6.7%																																
AdjCity	Truck	1999			60.4%	34.4%	5.2%																																
AdjCity	Truck	2000			59.7%	37.6%	2.7%																																
AdjCity	Truck	2001			63.6%	34.4%	2.0%																																
AdjCity	Truck	2002			66.8%	31.8%	1.3%																																
AdjCity	Truck	2003		0.0%	61.5%	37.3%	1.3%																																
AdjCity	Truck	2004		0.0%	70.6%	29.2%	0.2%																																
AdjCity	Truck	2005		0.1%	60.9%	38.8%	0.2%	0.1%																																
AdjCity	Truck	2006		0.0%	58.9%	38.7%	0.9%	1.5%																																
AdjCity	Truck	2007			57.9%	38.5%	2.8%	0.7%																																
AdjCity	Truck	2008			50.4%	43.2%	5.3%	1.2%																																
AdjCity	Truck	2009			39.6%	53.9%	5.9%	0.6%																																
AdjCity	Truck	2010			38.5%	48.3%	12.4%	0.6%	0.1%																																
AdjCity	Truck	2011		0.0%	33.1%	51.4%	15.3%	0.2%	0.1%																																
AdjCity	Truck	2012		0.0%	30.5%	55.5%	13.6%	0.3%	0.0%																																
AdjCity	Truck	2013		0.0%	28.9%	51.4%	18.9%	0.8%																																
AdjCity	Truck	2014		0.0%	18.2%	59.3%	22.2%	0.3%																																
AdjCity	Truck	2015			10.0%	63.5%	21.9%	4.6%	0.0%																																
AdjCity	Truck	2016			14.3%	56.7%	25.5%	2.7%	0.6%	0.1%	0.0%																															
AdjCity	Truck	2017			14.9%	57.0%	21.8%	5.0%	1.0%						0.2%																											

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjComp	Car	1975		6.6%	57.4%	23.9%	9.0%	3.1%																																		
AdjComp	Car	1976		0.3%	57.6%	24.4%	13.2%	3.8%	0.7%																																	
AdjComp	Car	1977		0.3%	44.0%	36.6%	10.2%	6.5%	1.5%	0.8%																																
AdjComp	Car	1978		0.3%	26.8%	48.4%	13.6%	6.9%	3.6%	0.3%																																
AdjComp	Car	1979		0.1%	24.2%	48.5%	17.9%	8.0%	1.0%	0.4%																																
AdjComp	Car	1980		0.0%	5.7%	44.7%	33.0%	12.7%	2.7%	1.0%	0.2%																															
AdjComp	Car	1981	0.0%	0.0%	2.6%	38.1%	33.6%	18.4%	5.1%	1.5%	0.8%																															
AdjComp	Car	1982		0.0%	0.3%	31.1%	31.6%	27.9%	7.0%	1.2%	0.8%																															
AdjComp	Car	1983		0.0%	0.3%	33.7%	29.6%	24.7%	9.5%	1.9%	0.4%	0.0%																														
AdjComp	Car	1984		0.0%	0.1%	26.9%	33.2%	30.7%	5.5%	3.0%	0.4%	0.2%																														
AdjComp	Car	1985		0.0%	0.1%	27.4%	29.3%	33.5%	7.3%	1.5%	0.4%	0.5%																														
AdjComp	Car	1986		0.0%	0.3%	16.7%	36.4%	36.6%	7.3%	1.9%	0.3%	0.3%	0.1%	0.2%																												
AdjComp	Car	1987		0.0%	0.3%	16.0%	40.0%	33.1%	8.6%	1.5%	0.0%	0.3%	0.2%																													
AdjComp	Car	1988		0.0%	0.3%	14.4%	40.5%	33.8%	8.1%	2.5%	0.0%	0.2%	0.2%																													
AdjComp	Car	1989		0.0%	0.3%	14.5%	46.3%	30.5%	6.2%	1.8%	0.0%	0.3%	0.1%																													
AdjComp	Car	1990		0.0%	0.2%	14.1%	50.7%	28.7%	5.2%	0.7%	0.1%	0.3%	0.0%																													
AdjComp	Car	1991		0.0%	0.2%	16.5%	49.1%	26.8%	5.8%	0.9%	0.6%	0.1%	0.0%																													
AdjComp	Car	1992		0.0%	0.2%	14.1%	56.0%	22.1%	5.0%	1.6%	0.8%	0.1%	0.1%																													
AdjComp	Car	1993		0.0%	0.1%	17.4%	50.8%	24.2%	5.2%	1.5%	0.6%	0.0%	0.1%																													
AdjComp	Car	1994			0.1%	18.8%	50.7%	23.5%	4.9%	1.4%	0.6%	0.0%	0.1%																													
AdjComp	Car	1995		0.0%	0.1%	15.2%	51.7%	25.2%	7.0%	0.4%	0.4%	0.0%																													
AdjComp	Car	1996			0.1%	12.9%	60.5%	20.6%	5.1%	0.4%	0.3%																															
AdjComp	Car	1997			0.1%	12.7%	59.1%	23.6%	4.1%	0.2%	0.2%																															
AdjComp	Car	1998			0.1%	13.8%	57.2%	25.3%	3.2%	0.1%	0.3%																															
AdjComp	Car	1999			0.0%	14.0%	62.9%	21.3%	1.5%	0.1%	0.1%																															
AdjComp	Car	2000		0.0%	0.0%	14.2%	66.1%	17.8%	1.5%	0.2%	0.1%			0.1%																												
AdjComp	Car	2001		0.0%	0.0%	16.8%	58.0%	18.3%	6.5%	0.1%	0.3%	0.0%		0.0%																												
AdjComp	Car	2002			0.1%	12.8%	64.4%	16.6%	5.5%	0.2%	0.4%	0.0%		0.0%																												
AdjComp	Car	2003		0.0%	0.1%	12.3%	60.4%	22.6%	3.9%	0.0%	0.8%	0.0%	0.0%																													
AdjComp	Car	2004			0.1%	14.8%	57.0%	25.1%	2.0%	0.1%	0.3%	0.6%	0.0%																													
AdjComp	Car	2005			0.2%	16.0%	48.7%	27.6%	5.8%	0.1%	0.3%	1.4%	0.0%																													
AdjComp	Car	2006			0.3%	16.1%	52.4%	21.6%	8.1%	0.0%	0.4%	1.0%	0.0%																													
AdjComp	Car	2007			0.3%	13.9%	44.6%	29.1%	10.0%		0.4%	1.8%																													
AdjComp	Car	2008			0.2%	11.5%	46.7%	29.9%	9.0%	0.3%	0.4%	2.1%																													
AdjComp	Car	2009			0.2%	6.0%	38.6%	37.1%	16.2%	0.4%	0.3%	1.3%																													
AdjComp	Car	2010			0.1%	4.7%	35.1%	38.3%	16.1%	1.4%	0.7%	3.6%			0.0%																											
AdjComp	Car	2011			0.1%	4.8%	39.1%	43.5%	9.4%	0.7%	0.4%	1.9%	0.0%	0.1%	0.0%				0.0%			0.1%	0.0%																			
AdjComp	Car	2012			0.1%	3.2%	27.4%	41.6%	22.4%	1.8%	1.0%	2.0%	0.2%		0.2%		0.0%	0.0%		0.0%		0.1%	0.0%	0.0%																	
AdjComp	Car	2013			0.1%	2.4%	22.3%	41.4%	26.8%	2.8%	1.0%	2.2%	0.1%		0.0%			0.0%		0.1%	0.0%	0.0%	0.3%		0.3%	0.0%															
AdjComp	Car	2014			0.0%	2.4%	24.3%	38.0%	27.9%	3.7%	1.0%	1.8%	0.1%	0.3%	0.0%			0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%														
AdjComp	Car	2015			0.0%	2.0%	18.9%	40.0%	30.5%	4.7%	0.7%	2.2%	0.1%	0.1%					0.1%	0.0%	0.1%	0.0%	0.2%		0.5%	0.0%	0.0%														
AdjComp	Car	2016			0.0%	2.1%	16.2%	39.6%	35.2%	3.6%	0.6%	0.3%	0.9%	0.1%	0.3%	0.0%		0.0%	0.0%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%	0.0%				0.0%										
AdjComp	Car	2017			0.0%	1.9%	15.0%	37.3%	32.4%	6.3%	1.3%	0.7%	2.1%	0.3%	0.0%	0.0%	0.8%		0.1%	0.1%	0.3%	0.1%	0.2%	0.3%	0.1%	0.3%	0.2%		0.0%												

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjComp	Truck	1975		27.7%	51.8%	18.0%	2.5%																																		
AdjComp	Truck	1976		12.0%	66.1%	16.7%	5.1%																																		
AdjComp	Truck	1977		3.7%	66.0%	19.9%	9.2%	1.3%																																	
AdjComp	Truck	1978		2.9%	68.6%	19.0%	8.6%	0.9%																																	
AdjComp	Truck	1979		14.4%	59.3%	18.4%	6.8%	1.2%																																	
AdjComp	Truck	1980		0.2%	40.7%	37.9%	19.1%	1.5%		0.6%																															
AdjComp	Truck	1981		0.0%	22.8%	50.7%	16.1%	7.1%	2.6%	0.7%																															
AdjComp	Truck	1982			21.9%	45.1%	23.7%	8.0%	0.8%	0.6%																															
AdjComp	Truck	1983			21.1%	41.3%	26.7%	9.8%	0.9%	0.2%																															
AdjComp	Truck	1984		0.1%	24.2%	43.0%	24.8%	7.1%	0.8%	0.1%																															
AdjComp	Truck	1985		0.0%	27.8%	40.8%	26.3%	4.8%	0.3%	0.0%																															
AdjComp	Truck	1986			19.7%	41.4%	33.5%	5.3%	0.1%	0.0%																															
AdjComp	Truck	1987			17.3%	43.1%	33.4%	6.1%	0.0%	0.0%																															
AdjComp	Truck	1988		0.0%	17.8%	53.0%	22.1%	6.9%																															
AdjComp	Truck	1989			18.8%	54.3%	24.3%	2.7%																															
AdjComp	Truck	1990		0.3%	21.8%	55.5%	18.8%	3.6%																															
AdjComp	Truck	1991			16.6%	59.9%	21.4%	2.1%																															
AdjComp	Truck	1992			19.2%	60.0%	20.7%	0.1%																															
AdjComp	Truck	1993			14.5%	66.2%	19.2%	0.0%																															
AdjComp	Truck	1994			23.1%	60.7%	16.1%	0.1%																															
AdjComp	Truck	1995			24.4%	59.8%	15.8%	0.0%																															
AdjComp	Truck	1996			22.0%	61.0%	17.1%	0.0%																															
AdjComp	Truck	1997			19.5%	70.5%	10.1%	0.0%																															
AdjComp	Truck	1998			23.5%	62.0%	14.6%	0.0%																															
AdjComp	Truck	1999			24.2%	63.7%	12.2%																															
AdjComp	Truck	2000			17.1%	72.0%	11.0%																															
AdjComp	Truck	2001			23.5%	66.6%	9.9%																															
AdjComp	Truck	2002			19.9%	71.3%	8.6%	0.2%																															
AdjComp	Truck	2003			24.1%	61.6%	14.4%																															
AdjComp	Truck	2004			25.5%	63.4%	11.1%																															
AdjComp	Truck	2005		0.0%	20.9%	64.4%	14.6%	0.1%																															
AdjComp	Truck	2006		0.0%	13.8%	69.9%	14.8%	1.5%																															
AdjComp	Truck	2007			10.1%	74.4%	14.7%	0.8%																															
AdjComp	Truck	2008			9.7%	70.5%	18.9%	0.9%																															
AdjComp	Truck	2009			2.6%	66.9%	29.4%	1.1%																															
AdjComp	Truck	2010			3.0%	63.3%	31.4%	2.4%																															
AdjComp	Truck	2011		0.0%	3.3%	59.3%	36.8%	0.6%																															
AdjComp	Truck	2012		0.0%	2.9%	56.2%	37.3%	3.6%																															
AdjComp	Truck	2013		0.0%	2.2%	50.5%	36.3%	11.0%																															
AdjComp	Truck	2014		0.0%	1.7%	44.3%	38.9%	14.9%	0.1%																															
AdjComp	Truck	2015			0.8%	39.6%	41.3%	18.2%	0.1%																															
AdjComp	Truck	2016			0.6%	36.3%	43.9%	18.4%	0.6%	0.0%	0.1%																														
AdjComp	Truck	2017			0.4%	36.5%	47.4%	13.0%	2.5%			0.2%																														

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjHwy	Car	1975		0.3%	57.2%	21.2%	12.8%	6.0%	2.6%																																	
AdjHwy	Car	1976		0.1%	38.9%	38.8%	9.9%	8.4%	4.0%																																	
AdjHwy	Car	1977		0.0%	21.4%	55.4%	8.5%	7.2%	5.5%	1.4%	0.5%																														
AdjHwy	Car	1978		0.0%	8.1%	59.2%	15.8%	9.5%	5.3%	1.8%	0.3%																														
AdjHwy	Car	1979		0.0%	5.6%	61.2%	17.9%	10.4%	4.1%	0.6%	0.1%																														
AdjHwy	Car	1980		0.0%	0.7%	30.0%	34.1%	23.9%	9.3%	0.8%	1.1%																														
AdjHwy	Car	1981		0.0%	0.0%	14.9%	39.4%	27.3%	13.6%	3.1%	1.0%	0.7%																													
AdjHwy	Car	1982		0.0%	0.0%	9.3%	35.3%	32.1%	16.0%	5.6%	0.8%	0.8%																													
AdjHwy	Car	1983		0.0%	0.0%	7.9%	38.7%	28.9%	15.7%	6.8%	1.6%	0.3%																													
AdjHwy	Car	1984		0.0%	0.1%	3.7%	37.6%	24.6%	27.5%	4.4%	1.7%	0.2%	0.2%																													
AdjHwy	Car	1985		0.0%	0.0%	0.8%	41.3%	25.5%	23.4%	6.7%	1.7%	0.2%	0.4%																													
AdjHwy	Car	1986		0.0%	0.0%	0.8%	25.6%	47.4%	19.3%	4.6%	1.7%	0.2%	0.0%	0.3%																											
AdjHwy	Car	1987		0.0%	0.0%	0.8%	22.3%	39.0%	31.2%	5.1%	1.1%	0.3%		0.2%																												
AdjHwy	Car	1988			0.0%	0.7%	18.3%	50.3%	23.6%	5.8%	1.0%	0.2%	0.1%	0.1%																												
AdjHwy	Car	1989			0.0%	0.6%	17.3%	58.9%	18.3%	3.9%	0.7%	0.1%	0.3%																													
AdjHwy	Car	1990			0.0%	0.5%	17.5%	63.4%	14.1%	3.5%	0.7%	0.2%	0.1%	0.0%																												
AdjHwy	Car	1991			0.0%	0.9%	21.2%	52.6%	20.4%	3.6%	0.6%	0.6%	0.1%	0.0%																												
AdjHwy	Car	1992			0.0%	1.2%	20.4%	56.4%	15.9%	4.9%	0.5%	0.5%	0.1%	0.1%																												
AdjHwy	Car	1993			0.0%	3.6%	19.7%	51.2%	19.6%	4.7%	0.6%	0.5%	0.0%	0.1%																												
AdjHwy	Car	1994			0.0%	2.1%	20.8%	52.1%	19.7%	4.4%	0.2%	0.5%	0.0%	0.1%																												
AdjHwy	Car	1995			0.0%	1.4%	17.5%	56.2%	17.1%	7.2%	0.3%	0.3%	0.0%																													
AdjHwy	Car	1996			0.0%	1.0%	15.7%	61.5%	16.8%	4.3%	0.3%	0.3%																														
AdjHwy	Car	1997			0.0%	0.6%	17.8%	56.3%	20.9%	4.1%	0.2%	0.2%																														
AdjHwy	Car	1998			0.0%	1.6%	15.4%	58.5%	21.1%	2.9%	0.1%	0.3%																														
AdjHwy	Car	1999			0.0%	1.7%	16.0%	63.8%	17.0%	1.2%	0.1%	0.1%																														
AdjHwy	Car	2000			0.0%	3.2%	15.0%	66.4%	13.5%	1.6%	0.1%	0.1%			0.1%																												
AdjHwy	Car	2001			0.0%	2.7%	20.9%	57.1%	14.4%	4.4%	0.4%		0.0%		0.0%																												
AdjHwy	Car	2002			0.0%	2.3%	19.5%	60.5%	13.5%	3.6%	0.6%	0.0%	0.0%		0.0%																												
AdjHwy	Car	2003			0.0%	1.6%	22.1%	58.5%	15.9%	1.0%	0.7%	0.1%	0.0%		0.0%																												
AdjHwy	Car	2004			0.0%	1.0%	25.1%	50.9%	20.6%	1.3%	0.4%	0.6%		0.0%																													
AdjHwy	Car	2005			0.0%	0.8%	24.8%	45.6%	26.4%	0.6%	0.3%	1.4%		0.0%																													
AdjHwy	Car	2006			0.0%	1.2%	25.8%	47.1%	20.9%	3.7%		1.4%		0.0%																												
AdjHwy	Car	2007			0.0%	0.7%	23.3%	37.7%	31.4%	4.7%		2.1%																														
AdjHwy	Car	2008			0.0%	0.8%	20.5%	43.3%	28.9%	3.7%	0.3%	2.5%																														
AdjHwy	Car	2009			0.0%	0.9%	12.8%	35.6%	44.0%	4.7%	0.4%	1.6%																														
AdjHwy	Car	2010			0.0%	0.4%	14.1%	30.7%	44.1%	5.6%	1.5%	3.7%			0.0%																												
AdjHwy	Car	2011				0.3%	10.2%	39.3%	41.5%	5.5%	1.0%	1.9%	0.1%		0.0%			0.0%			0.1%	0.0%																				
AdjHwy	Car	2012			0.0%	0.2%	7.0%	28.5%	41.5%	19.0%	1.3%	2.0%	0.2%		0.2%	0.0%	0.0%				0.2%	0.0%																				
AdjHwy	Car	2013			0.0%	0.2%	5.1%	24.1%	39.9%	26.8%	1.0%	2.0%	0.1%		0.0%		0.0%				0.4%	0.1%	0.3%	0.0%																		
AdjHwy	Car	2014			0.0%	0.1%	5.3%	24.8%	35.5%	30.4%	1.5%	1.5%	0.4%		0.1%	0.0%	0.0%		0.0%		0.2%	0.1%	0.1%	0.1%	0.0%																	
AdjHwy	Car	2015				0.1%	5.4%	17.9%	34.4%	37.7%	1.6%	1.9%	0.2%			0.1%			0.0%		0.1%	0.1%	0.4%	0.2%	0.0%																		
AdjHwy	Car	2016			0.0%	0.0%	4.2%	18.8%	35.9%	36.3%	2.1%	1.2%	0.1%	0.0%	0.3%	0.0%			0.0%	0.1%	0.2%	0.1%	0.3%	0.3%	0.0%																	
AdjHwy	Car	2017			0.0%	0.1%	2.9%	20.8%	35.2%	32.6%	2.9%	2.4%	0.4%	0.1%	0.8%	0.0%	0.0%		0.0%	0.0%	0.4%	0.1%	0.6%	0.1%	0.3%	0.2%	0.0%															

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjHwy	Truck	1975		20.2%	54.7%	14.9%	10.2%																																		
AdjHwy	Truck	1976		6.2%	66.0%	19.3%	6.7%	1.9%																																	
AdjHwy	Truck	1977		2.4%	58.7%	25.1%	8.1%	4.8%	0.9%																																
AdjHwy	Truck	1978		1.0%	65.5%	21.6%	8.3%	3.7%																																
AdjHwy	Truck	1979		10.8%	56.3%	21.1%	8.2%	3.5%																																
AdjHwy	Truck	1980		0.1%	29.0%	41.1%	23.3%	5.8%		0.5%	0.1%																													
AdjHwy	Truck	1981			12.0%	51.6%	21.0%	11.1%	3.0%	1.3%																															
AdjHwy	Truck	1982			12.9%	42.4%	24.3%	16.7%	3.1%	0.6%																															
AdjHwy	Truck	1983			10.1%	38.0%	28.6%	19.3%	3.1%	0.9%																															
AdjHwy	Truck	1984		0.0%	12.0%	39.7%	31.7%	14.7%	1.5%	0.3%																															
AdjHwy	Truck	1985		0.0%	11.7%	31.7%	40.0%	14.7%	1.8%	0.1%																															
AdjHwy	Truck	1986			5.7%	33.3%	40.0%	18.6%	2.2%	0.1%																															
AdjHwy	Truck	1987			8.2%	24.1%	46.4%	19.4%	1.8%	0.0%																															
AdjHwy	Truck	1988			7.5%	35.4%	42.2%	14.9%																															
AdjHwy	Truck	1989			5.0%	39.9%	41.7%	13.4%																															
AdjHwy	Truck	1990			3.4%	42.6%	44.3%	9.7%																															
AdjHwy	Truck	1991			2.4%	40.1%	45.2%	12.2%																															
AdjHwy	Truck	1992			1.9%	43.6%	45.1%	9.4%																															
AdjHwy	Truck	1993			1.0%	44.4%	45.2%	9.5%																															
AdjHwy	Truck	1994			0.9%	50.7%	38.4%	10.1%																															
AdjHwy	Truck	1995			2.4%	52.9%	38.4%	6.3%																															
AdjHwy	Truck	1996			2.2%	48.2%	40.5%	9.1%																															
AdjHwy	Truck	1997			0.6%	58.9%	35.6%	4.8%																															
AdjHwy	Truck	1998			0.0%	55.0%	37.4%	7.6%	0.0%																															
AdjHwy	Truck	1999			0.2%	65.7%	29.7%	4.3%																															
AdjHwy	Truck	2000			0.1%	64.9%	32.3%	2.7%	0.0%																															
AdjHwy	Truck	2001			2.2%	65.5%	28.4%	3.9%																															
AdjHwy	Truck	2002			1.4%	70.7%	23.4%	4.5%																															
AdjHwy	Truck	2003			2.3%	63.5%	31.8%	2.4%																															
AdjHwy	Truck	2004			0.3%	64.8%	33.4%	1.5%																															
AdjHwy	Truck	2005			0.3%	53.8%	43.4%	2.6%																															
AdjHwy	Truck	2006			0.2%	55.1%	39.7%	4.9%																															
AdjHwy	Truck	2007			0.1%	55.9%	38.5%	5.5%																															
AdjHwy	Truck	2008			0.1%	46.4%	43.2%	10.1%	0.1%																															
AdjHwy	Truck	2009			0.0%	34.0%	49.1%	16.7%	0.2%																															
AdjHwy	Truck	2010			0.0%	27.7%	53.1%	19.1%	0.1%																															
AdjHwy	Truck	2011		0.0%	0.2%	19.7%	59.6%	20.5%	0.0%																															
AdjHwy	Truck	2012		0.0%	0.0%	20.3%	58.1%	21.5%	0.0%																															
AdjHwy	Truck	2013		0.0%	0.1%	17.2%	55.2%	26.3%	1.3%																															
AdjHwy	Truck	2014		0.0%	0.1%	13.9%	52.9%	28.6%	4.6%																															
AdjHwy	Truck	2015			0.0%	6.2%	56.2%	25.9%	11.6%																															
AdjHwy	Truck	2016			0.1%	5.7%	51.0%	30.4%	12.8%	0.0%	0.1%																														
AdjHwy	Truck	2017			0.1%	6.7%	49.1%	32.5%	11.5%		0.2%																														

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
Unadj5545	Car	1975		0.0%	47.9%	29.0%	14.3%	6.4%	2.4%																																	
Unadj5545	Car	1976			26.4%	46.9%	12.3%	10.6%	3.2%	0.7%																																	
Unadj5545	Car	1977		0.0%	15.8%	56.8%	10.8%	8.6%	5.6%	1.0%	1.3%																															
Unadj5545	Car	1978		0.0%	5.7%	50.2%	23.8%	10.7%	5.6%	3.4%	0.5%																															
Unadj5545	Car	1979		0.0%	3.5%	47.6%	27.2%	14.0%	6.3%	1.0%	0.3%	0.1%																															
Unadj5545	Car	1980		0.0%	0.0%	19.7%	39.1%	25.4%	11.8%	2.0%	1.7%	0.2%																															
Unadj5545	Car	1981	0.0%		0.0%	10.3%	38.0%	26.7%	16.9%	5.3%	1.7%	1.0%																															
Unadj5545	Car	1982		0.0%	0.0%	13.1%	27.4%	29.3%	20.8%	6.6%	1.7%	0.8%	0.3%																															
Unadj5545	Car	1983		0.0%	0.0%	11.6%	34.7%	18.8%	22.0%	9.9%	2.2%	0.6%	0.1%																															
Unadj5545	Car	1984		0.0%	0.0%	7.9%	33.7%	24.6%	23.5%	6.7%	2.7%	0.6%	0.2%	0.1%																														
Unadj5545	Car	1985		0.0%	0.0%	0.8%	43.0%	15.1%	30.9%	7.8%	1.2%	0.9%	0.0%	0.4%																														
Unadj5545	Car	1986		0.0%	0.0%	0.7%	28.0%	34.8%	24.2%	8.4%	1.8%	1.5%	0.2%	0.0%	0.1%	0.2%																												
Unadj5545	Car	1987		0.0%	0.0%	0.7%	25.0%	31.2%	32.0%	8.8%	0.9%	0.9%	0.3%	0.0%	0.1%	0.1%																												
Unadj5545	Car	1988		0.0%	0.0%	0.5%	19.3%	35.6%	32.6%	7.9%	2.0%	1.6%	0.2%	0.0%	0.1%	0.1%																												
Unadj5545	Car	1989		0.0%	0.0%	0.5%	20.6%	41.0%	28.2%	7.1%	1.1%	1.1%		0.3%	0.1%																													
Unadj5545	Car	1990			0.0%	0.5%	17.2%	50.7%	23.4%	6.5%	1.1%	0.2%	0.0%	0.3%		0.0%																												
Unadj5545	Car	1991			0.0%	0.5%	21.2%	44.2%	23.7%	7.5%	2.1%	0.1%	0.1%	0.6%		0.0%																												
Unadj5545	Car	1992			0.0%	0.8%	27.6%	41.5%	20.7%	6.7%	1.7%	0.3%	0.6%	0.1%		0.1%																												
Unadj5545	Car	1993			0.0%	3.4%	17.4%	46.7%	22.9%	7.1%	1.7%	0.1%	0.2%	0.5%		0.1%																												
Unadj5545	Car	1994			0.0%	0.3%	24.4%	43.8%	22.7%	6.5%	1.3%	0.3%	0.1%	0.5%		0.1%																												
Unadj5545	Car	1995			0.0%	1.0%	17.5%	47.8%	21.6%	9.8%	1.5%	0.4%	0.4%	0.0%																													
Unadj5545	Car	1996			0.0%	0.4%	17.5%	48.4%	22.4%	9.4%	1.3%	0.3%	0.3%																														
Unadj5545	Car	1997			0.0%	0.5%	17.4%	46.0%	24.3%	10.2%	1.2%	0.2%	0.2%																														
Unadj5545	Car	1998			0.0%	0.1%	15.9%	49.7%	22.1%	11.4%	0.4%	0.1%	0.3%																														
Unadj5545	Car	1999			0.0%	0.1%	16.8%	54.7%	18.2%	9.7%	0.2%	0.0%	0.2%																														
Unadj5545	Car	2000			0.0%	0.8%	17.4%	53.9%	19.6%	7.6%	0.4%	0.0%	0.2%				0.1%																										
Unadj5545	Car	2001			0.0%	0.2%	17.1%	50.7%	21.9%	8.1%	1.6%	0.0%	0.1%	0.2%		0.0%		0.0%																										
Unadj5545	Car	2002			0.0%	0.2%	15.1%	50.9%	24.9%	7.3%	1.2%	0.0%	0.2%	0.3%		0.0%		0.0%																										
Unadj5545	Car	2003			0.0%	0.2%	15.2%	46.8%	26.2%	9.4%	1.4%	0.0%	0.2%	0.5%		0.0%		0.0%																										
Unadj5545	Car	2004			0.0%	0.3%	16.4%	46.1%	25.4%	9.9%	0.9%	0.1%		0.3%		0.6%	0.0%																										
Unadj5545	Car	2005			0.0%	0.3%	16.9%	41.4%	26.8%	11.5%	1.1%	0.1%		0.3%		1.4%	0.0%																										
Unadj5545	Car	2006			0.0%	0.6%	16.4%	42.1%	26.4%	11.9%	1.3%	0.0%		0.4%		1.0%	0.0%																										
Unadj5545	Car	2007			0.0%	0.5%	14.9%	37.2%	27.2%	14.7%	2.5%	0.8%		0.4%		1.8%																										
Unadj5545	Car	2008			0.0%	0.5%	12.3%	41.0%	25.2%	15.5%	2.4%	0.7%		0.4%		2.1%																										
Unadj5545	Car	2009			0.0%	0.4%	6.3%	31.2%	34.8%	16.6%	7.7%	1.3%		0.3%		1.3%																										
Unadj5545	Car	2010			0.0%	0.4%	5.4%	26.0%	31.4%	28.0%	2.6%	1.4%	0.5%	0.7%			3.6%			0.0%																						
Unadj5545	Car	2011			0.0%	0.2%	4.9%	28.3%	33.5%	23.9%	5.1%	0.9%	0.6%	0.4%			1.9%	0.0%		0.1%							0.0%					0.1%	0.0%									
Unadj5545	Car	2012			0.0%	0.2%	3.9%	18.6%	30.4%	21.4%	18.8%	1.8%	1.1%	1.1%	0.1%		2.0%	0.0%	0.2%	0.2%			0.0%	0.0%	0.0%					0.1%	0.0%			0.0%								
Unadj5545	Car	2013			0.0%	0.2%	2.9%	15.4%	28.8%	20.5%	24.0%	2.3%	0.7%	1.8%	0.1%		2.3%		0.1%	0.0%	0.3%			0.0%	0.1%	0.0%						0.0%	0.0%		0.3%	0.0%	0.0%					
Unadj5545	Car	2014			0.0%	0.2%	2.9%	15.9%	27.2%	21.5%	21.7%	5.2%	1.0%	1.5%	0.1%	0.1%	1.8%		0.1%	0.0%	0.3%			0.0%	0.1%	0.0%	0.0%		0.1%			0.0%	0.0%		0.1%	0.1%		0.0%				
Unadj5545	Car	2015			0.0%	0.2%	3.0%	12.0%	25.1%	24.3%	25.3%	4.5%	1.3%	0.9%	0.1%	0.2%	2.2%		0.1%		0.1%				0.0%	0.0%		0.1%	0.2%			0.0%	0.0%		0.3%	0.1%		0.0%				
Unadj5545	Car	2016				0.1%	2.7%	9.6%	23.8%	26.4%	24.3%	8.6%	0.8%	1.1%	0.1%	0.0%	1.1%		0.1%		0.2%	0.0%			0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%		0.2%	0.1%		0.0%	0.1%				0.0%
Unadj5545	Car	2017			0.0%	0.2%	2.2%	9.2%	24.1%	22.4%	24.7%	8.8%	0.8%	1.5%	0.7%	0.3%	2.0%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%			0.8%	0.0%	0.3%	0.2%	0.0%	0.1%		0.0%	0.0%	0.4%	0.0%	0.3%	0.2%					0.0%

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
Unadj5545	Truck	1975		2.5%	68.1%	18.4%	11.0%																																		
Unadj5545	Truck	1976		0.1%	63.2%	24.9%	9.9%	1.9%																																	
Unadj5545	Truck	1977		0.1%	53.2%	31.5%	7.2%	6.7%	1.3%																																
Unadj5545	Truck	1978		0.1%	58.6%	27.5%	5.8%	7.2%	0.9%																																
Unadj5545	Truck	1979		1.4%	55.1%	30.3%	9.1%	3.0%	1.1%																																
Unadj5545	Truck	1980		0.0%	17.9%	46.5%	21.7%	11.8%	1.5%		0.6%																														
Unadj5545	Truck	1981			7.4%	47.6%	23.3%	14.7%	3.7%	1.9%	1.3%																														
Unadj5545	Truck	1982			8.3%	41.6%	26.3%	14.9%	6.3%	2.0%	0.6%																														
Unadj5545	Truck	1983			6.9%	36.0%	28.1%	20.9%	6.0%	1.9%	0.2%	0.0%																													
Unadj5545	Truck	1984			7.6%	34.8%	36.2%	14.6%	5.8%	0.9%	0.1%																														
Unadj5545	Truck	1985			7.2%	32.6%	37.6%	17.8%	4.4%	0.3%	0.0%																														
Unadj5545	Truck	1986			2.7%	32.9%	36.3%	22.8%	5.1%	0.2%	0.0%																														
Unadj5545	Truck	1987			2.7%	26.5%	43.4%	22.1%	5.1%	0.0%	0.0%																														
Unadj5545	Truck	1988			2.2%	37.8%	36.9%	16.2%	6.9%																																
Unadj5545	Truck	1989			3.0%	35.8%	41.8%	16.7%	2.7%																																
Unadj5545	Truck	1990			3.4%	36.4%	43.2%	13.4%	3.6%																																
Unadj5545	Truck	1991			1.1%	31.0%	51.9%	13.4%	2.5%																																
Unadj5545	Truck	1992			1.4%	41.2%	43.5%	12.9%	1.0%																																
Unadj5545	Truck	1993			0.2%	35.0%	49.6%	14.9%	0.3%																																
Unadj5545	Truck	1994			0.1%	40.6%	45.9%	13.0%	0.4%																																
Unadj5545	Truck	1995			0.3%	46.7%	38.4%	14.5%	0.0%																																
Unadj5545	Truck	1996			1.1%	38.2%	48.4%	12.3%	0.0%																																
Unadj5545	Truck	1997			0.0%	42.7%	47.7%	9.6%	0.0%																																
Unadj5545	Truck	1998				35.7%	51.6%	12.7%	0.0%																																
Unadj5545	Truck	1999				44.0%	46.7%	9.2%	0.1%																																
Unadj5545	Truck	2000				39.3%	50.0%	10.7%	0.0%																																
Unadj5545	Truck	2001			0.1%	45.7%	45.4%	8.9%																																
Unadj5545	Truck	2002				50.5%	40.6%	8.2%	0.7%																																
Unadj5545	Truck	2003			0.0%	45.4%	41.5%	12.7%	0.4%																																
Unadj5545	Truck	2004			0.0%	45.2%	43.5%	11.1%	0.2%																																
Unadj5545	Truck	2005			0.1%	40.4%	43.8%	15.5%	0.2%	0.1%																																
Unadj5545	Truck	2006			0.0%	34.2%	48.8%	15.3%	1.1%	0.5%																																
Unadj5545	Truck	2007				27.5%	58.5%	12.7%	1.0%	0.3%																																
Unadj5545	Truck	2008				21.5%	60.1%	14.6%	3.1%	0.7%																																
Unadj5545	Truck	2009				13.5%	57.9%	23.6%	4.4%	0.6%																																
Unadj5545	Truck	2010				16.7%	50.9%	21.7%	10.0%	0.8%																																
Unadj5545	Truck	2011		0.0%	0.0%	10.8%	51.8%	22.6%	14.5%	0.3%																																
Unadj5545	Truck	2012			0.0%	10.2%	48.2%	29.6%	11.7%	0.3%																																
Unadj5545	Truck	2013			0.0%	7.6%	45.1%	28.3%	17.2%	1.7%																																
Unadj5545	Truck	2014			0.0%	5.0%	40.5%	32.2%	17.5%	4.7%	0.1%																																
Unadj5545	Truck	2015				2.2%	37.4%	33.4%	14.4%	12.4%	0.1%																																
Unadj5545	Truck	2016				2.1%	34.2%	37.5%	12.6%	12.8%	0.7%	0.0%		0.1%																												
Unadj5545	Truck	2017			0.0%	2.0%	34.1%	37.5%	14.7%	8.7%	2.6%	0.1%						0.2%																								

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjCity	Car	1975		7.1%	53.8%	26.6%	10.0%	2.5%																																		
UnadjCity	Car	1976		0.9%	47.2%	35.6%	10.7%	4.9%	0.7%																																	
UnadjCity	Car	1977		0.4%	38.9%	41.6%	9.5%	7.4%	1.0%	1.4%																															
UnadjCity	Car	1978		0.3%	26.0%	49.0%	13.7%	6.1%	3.5%	1.3%																															
UnadjCity	Car	1979		0.0%	18.6%	53.7%	15.1%	10.5%	1.7%	0.3%	0.1%																														
UnadjCity	Car	1980		0.0%	5.5%	41.6%	33.8%	12.8%	4.4%	0.8%	1.1%																														
UnadjCity	Car	1981	0.0%	0.0%	2.5%	37.4%	29.3%	21.7%	5.9%	2.2%	1.0%																														
UnadjCity	Car	1982		0.0%	1.4%	27.6%	33.1%	25.8%	9.2%	1.8%	0.8%	0.3%																														
UnadjCity	Car	1983		0.0%	0.3%	34.8%	26.9%	22.4%	12.6%	2.4%	0.5%	0.1%																														
UnadjCity	Car	1984		0.0%	0.0%	26.7%	33.4%	28.7%	7.6%	2.5%	0.8%	0.2%	0.1%																													
UnadjCity	Car	1985		0.0%	0.1%	30.1%	25.1%	33.8%	8.2%	1.4%	0.8%	0.1%	0.4%																													
UnadjCity	Car	1986		0.0%	0.2%	19.3%	38.1%	29.5%	9.1%	1.8%	1.3%	0.5%	0.0%	0.1%	0.2%																											
UnadjCity	Car	1987		0.0%	0.1%	17.1%	35.2%	34.1%	11.1%	0.9%	0.9%	0.3%		0.2%																												
UnadjCity	Car	1988		0.0%	0.2%	16.4%	34.1%	34.7%	11.1%	1.4%	1.8%	0.2%		0.2%																												
UnadjCity	Car	1989		0.0%	0.2%	14.7%	42.6%	31.5%	8.3%	1.1%	1.1%	0.0%	0.3%	0.1%																												
UnadjCity	Car	1990		0.0%	0.2%	14.0%	49.3%	26.2%	8.7%	1.1%	0.2%	0.0%	0.3%	0.0%																												
UnadjCity	Car	1991		0.0%	0.1%	18.1%	43.4%	26.5%	9.2%	1.8%	0.2%	0.6%	0.1%	0.0%																												
UnadjCity	Car	1992		0.0%	0.2%	21.1%	47.6%	20.7%	7.1%	2.2%	0.3%	0.6%	0.1%	0.1%																												
UnadjCity	Car	1993		0.0%	0.1%	17.4%	46.5%	26.0%	7.4%	1.7%	0.1%	0.2%	0.5%	0.1%																												
UnadjCity	Car	1994			0.1%	18.1%	45.5%	27.1%	6.7%	1.5%	0.3%	0.1%	0.5%	0.1%																												
UnadjCity	Car	1995		0.0%	0.1%	16.4%	46.4%	25.3%	9.7%	1.2%	0.4%	0.4%	0.0%																													
UnadjCity	Car	1996		0.0%	0.1%	15.1%	50.0%	23.1%	9.9%	1.3%	0.3%	0.3%																														
UnadjCity	Car	1997			0.1%	15.0%	48.3%	24.4%	10.7%	1.3%	0.1%	0.1%																														
UnadjCity	Car	1998			0.1%	13.6%	47.0%	27.7%	10.3%	1.1%	0.1%	0.2%																														
UnadjCity	Car	1999		0.0%	0.0%	14.0%	53.3%	23.1%	8.8%	0.5%	0.1%	0.1%																														
UnadjCity	Car	2000		0.0%	0.1%	14.7%	52.8%	24.2%	7.6%	0.4%	0.0%	0.2%				0.1%																										
UnadjCity	Car	2001		0.0%	0.1%	14.6%	50.7%	24.7%	7.7%	1.9%	0.0%	0.1%		0.2%	0.0%	0.0%																										
UnadjCity	Car	2002			0.1%	11.5%	50.2%	28.5%	8.0%	1.2%	0.0%	0.2%		0.3%	0.0%	0.0%																										
UnadjCity	Car	2003		0.0%	0.1%	10.3%	48.3%	30.4%	9.0%	1.1%	0.0%	0.2%	0.4%	0.2%	0.0%	0.0%																										
UnadjCity	Car	2004			0.1%	12.8%	47.7%	28.0%	9.5%	0.8%	0.1%	0.0%	0.3%		0.0%	0.6%																										
UnadjCity	Car	2005			0.2%	11.5%	44.1%	30.5%	11.0%	0.9%	0.1%	0.0%	0.3%		0.0%	1.4%																										
UnadjCity	Car	2006		0.0%	0.3%	11.3%	48.1%	26.2%	11.6%	1.2%	0.0%		0.4%		0.0%	1.0%																										
UnadjCity	Car	2007			0.3%	8.8%	40.7%	30.6%	14.1%	2.4%	0.8%	0.1%	0.4%			1.8%																										
UnadjCity	Car	2008		0.0%	0.3%	7.7%	43.0%	28.0%	15.4%	2.2%	0.7%	0.3%	0.4%			2.1%																										
UnadjCity	Car	2009			0.2%	4.3%	29.8%	37.6%	21.3%	3.8%	1.0%	0.4%	0.3%			1.3%																										
UnadjCity	Car	2010		0.0%	0.1%	3.7%	26.6%	35.7%	25.2%	3.0%	0.3%	0.4%	0.7%	0.5%			3.6%		0.0%																						
UnadjCity	Car	2011			0.1%	3.6%	28.6%	41.3%	17.7%	5.0%	0.4%	0.5%	0.2%	0.4%			1.9%		0.0%				0.1%						0.0%				0.1%									
UnadjCity	Car	2012		0.0%	0.1%	2.7%	20.6%	35.6%	18.3%	17.5%	0.2%	0.5%	0.5%	1.3%	0.2%		2.0%			0.0%	0.2%		0.2%		0.0%								0.1%	0.0%					0.0%				
UnadjCity	Car	2013		0.0%	0.1%	2.4%	16.7%	31.4%	21.6%	21.1%	0.8%	0.5%	0.2%	1.0%	0.9%		2.2%			0.0%	0.3%			0.3%	0.1%	0.0%							0.0%			0.0%		0.3%	0.0%		0.0%	
UnadjCity	Car	2014		0.0%	0.1%	2.6%	16.3%	27.3%	28.8%	17.8%	1.8%	0.5%	0.3%	1.1%	0.6%		1.7%		0.0%	0.0%	0.3%			0.3%	0.2%	0.1%	0.0%						0.0%			0.1%		0.1%	0.0%		0.0%	
UnadjCity	Car	2015			0.0%	2.6%	12.6%	26.8%	28.8%	20.5%	3.2%	0.7%	0.2%	1.1%	0.0%	0.0%	2.2%				0.2%			0.1%	0.0%	0.0%	0.1%	0.1%	0.1%				0.0%			0.2%	0.0%	0.4%			0.0%	
UnadjCity	Car	2016			0.0%	2.2%	9.6%	26.3%	32.0%	21.7%	4.2%	0.1%	0.3%	1.0%	0.1%	0.0%	0.2%	0.9%	0.1%		0.2%	0.0%			0.0%		0.2%	0.0%	0.2%	0.1%		0.0%				0.1%	0.2%	0.1%			0.0%	0.1%
UnadjCity	Car	2017			0.0%	2.1%	8.8%	25.1%	26.0%	23.9%	6.0%	0.2%	0.6%	1.1%	0.4%	0.5%	0.4%	1.7%	0.2%			0.2%	0.2%		0.0%		0.4%	0.0%	0.1%	0.1%	0.5%	0.3%				0.0%	0.2%	0.4%	0.3%	0.2%		0.0%	0.0%

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjCity	Truck	1975		11.3%	66.0%	20.2%	2.5%																																			
UnadjCity	Truck	1976		3.0%	72.4%	19.2%	5.4%																																			
UnadjCity	Truck	1977		1.9%	63.3%	24.2%	9.3%	1.3%																																		
UnadjCity	Truck	1978		1.2%	64.3%	24.4%	8.3%	1.8%																																		
UnadjCity	Truck	1979		7.2%	60.3%	21.7%	8.7%	2.2%																																		
UnadjCity	Truck	1980		0.1%	30.5%	43.7%	21.2%	3.9%		0.6%																																
UnadjCity	Truck	1981		0.0%	14.0%	56.9%	15.8%	9.1%	2.8%	1.3%																																
UnadjCity	Truck	1982			14.8%	49.9%	23.0%	8.5%	3.0%	0.5%	0.2%																																
UnadjCity	Truck	1983			13.9%	46.5%	26.7%	10.9%	1.7%	0.4%	0.0%																																
UnadjCity	Truck	1984		0.0%	16.8%	48.9%	24.5%	8.5%	0.8%	0.4%	0.0%																																
UnadjCity	Truck	1985			26.8%	36.8%	28.2%	7.8%	0.2%	0.2%																																		
UnadjCity	Truck	1986			8.3%	51.7%	29.4%	9.5%	1.1%	0.1%																																		
UnadjCity	Truck	1987			12.4%	46.4%	32.6%	6.9%	1.6%	0.1%																																		
UnadjCity	Truck	1988			13.4%	57.7%	19.7%	7.4%	1.9%																																		
UnadjCity	Truck	1989			14.8%	55.7%	22.0%	7.1%	0.4%																																		
UnadjCity	Truck	1990			16.8%	57.8%	17.2%	8.1%	0.2%																																		
UnadjCity	Truck	1991			11.1%	58.3%	21.8%	8.8%	0.1%																																		
UnadjCity	Truck	1992			12.4%	61.8%	22.0%	3.8%	0.1%																																		
UnadjCity	Truck	1993			11.8%	62.7%	19.8%	5.7%	0.0%																																		
UnadjCity	Truck	1994			14.0%	58.2%	23.8%	3.9%	0.1%																																		
UnadjCity	Truck	1995			15.4%	66.0%	14.7%	3.8%	0.0%																																		
UnadjCity	Truck	1996			15.6%	64.6%	16.7%	3.1%																																		
UnadjCity	Truck	1997			16.5%	66.7%	12.3%	4.6%																																		
UnadjCity	Truck	1998			18.5%	61.0%	16.3%	4.3%																																		
UnadjCity	Truck	1999			20.6%	62.7%	15.1%	1.6%																																		
UnadjCity	Truck	2000			11.3%	68.0%	20.1%	0.6%																																		
UnadjCity	Truck	2001			13.7%	69.9%	16.1%	0.3%																																		
UnadjCity	Truck	2002			7.2%	74.9%	17.2%	0.7%																																		
UnadjCity	Truck	2003			10.1%	68.1%	20.6%	1.2%																																		
UnadjCity	Truck	2004			9.7%	70.0%	20.1%	0.2%																																		
UnadjCity	Truck	2005		0.0%	5.5%	68.1%	26.1%	0.3%		0.1%																																	
UnadjCity	Truck	2006		0.0%	3.6%	68.1%	25.1%	1.6%	0.9%	0.5%																																
UnadjCity	Truck	2007			3.5%	71.8%	20.5%	3.4%	0.4%	0.3%																																		
UnadjCity	Truck	2008			2.9%	65.6%	24.6%	5.7%	0.5%	0.7%																																		
UnadjCity	Truck	2009			1.5%	56.2%	29.9%	11.7%	0.0%	0.6%																																		
UnadjCity	Truck	2010			0.7%	56.6%	27.1%	14.8%		0.6%	0.1%																																
UnadjCity	Truck	2011		0.0%	1.1%	48.9%	34.2%	15.3%	0.2%	0.3%																																	
UnadjCity	Truck	2012			0.9%	42.8%	41.3%	14.7%		0.3%																																	
UnadjCity	Truck	2013			0.9%	38.5%	39.7%	17.1%	3.5%	0.4%																																	
UnadjCity	Truck	2014			0.5%	32.2%	44.3%	15.4%	7.4%	0.3%																																	
UnadjCity	Truck	2015			0.2%	27.2%	44.4%	14.4%	13.5%	0.3%	0.0%																																
UnadjCity	Truck	2016			0.0%	25.8%	43.8%	14.8%	14.6%	0.1%	0.1%	0.5%	0.1%																														
UnadjCity	Truck	2017			0.0%	27.9%	43.1%	16.2%	9.7%	1.7%	0.6%	0.6%										0.2%																				

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjHwy	Car	1975			9.1%	53.2%	15.2%	10.5%	7.5%	2.5%	2.0%																															
UnadjHwy	Car	1976			0.8%	40.9%	34.9%	6.4%	10.7%	3.8%	2.5%																															
UnadjHwy	Car	1977			0.1%	31.9%	41.8%	9.3%	5.9%	5.3%	3.6%	1.3%	0.6%																													
UnadjHwy	Car	1978			0.2%	14.1%	45.0%	19.0%	10.2%	5.4%	4.1%	1.8%	0.3%																													
UnadjHwy	Car	1979			0.1%	12.3%	46.0%	17.6%	12.2%	8.1%	2.9%	0.6%	0.1%																													
UnadjHwy	Car	1980			0.0%	1.0%	17.9%	33.7%	27.2%	12.0%	6.3%	0.7%	1.0%	0.2%																													
UnadjHwy	Car	1981		0.0%	0.0%	0.0%	11.0%	33.3%	25.6%	15.6%	9.9%	2.7%	0.5%	1.3%																													
UnadjHwy	Car	1982			0.0%	0.0%	6.8%	25.6%	22.1%	28.8%	9.6%	4.7%	1.5%	0.9%																													
UnadjHwy	Car	1983			0.0%	0.0%	5.3%	36.2%	18.8%	18.5%	13.1%	5.5%	2.0%	0.4%	0.1%																													
UnadjHwy	Car	1984			0.0%	0.1%	2.4%	29.1%	25.7%	23.5%	12.7%	3.3%	2.0%	1.0%	0.2%	0.2%																													
UnadjHwy	Car	1985			0.0%	0.0%	0.8%	20.7%	32.7%	22.4%	14.8%	5.7%	1.7%	0.8%	0.0%	0.4%																													
UnadjHwy	Car	1986			0.0%	0.0%	0.7%	13.2%	28.3%	37.7%	13.0%	3.3%	2.7%	0.2%	0.3%		0.1%	0.2%																											
UnadjHwy	Car	1987			0.0%	0.0%	0.7%	10.5%	32.4%	35.4%	14.0%	5.2%	1.1%	0.2%	0.3%		0.2%																												
UnadjHwy	Car	1988			0.0%	0.0%	0.7%	8.4%	26.1%	41.8%	15.5%	4.6%	2.5%		0.2%	0.0%	0.2%																												
UnadjHwy	Car	1989			0.0%	0.0%	0.6%	5.1%	30.4%	44.0%	12.9%	4.8%	1.7%	0.0%	0.1%	0.3%	0.1%																												
UnadjHwy	Car	1990			0.0%	0.0%	0.5%	7.9%	30.5%	45.3%	10.4%	4.2%	0.7%	0.1%	0.2%	0.1%	0.0%																												
UnadjHwy	Car	1991			0.0%	0.0%	0.8%	5.0%	34.2%	37.1%	15.7%	5.5%	0.9%	0.2%	0.6%	0.1%	0.0%																												
UnadjHwy	Car	1992			0.0%	0.0%	0.8%	4.4%	35.8%	39.8%	10.5%	6.0%	1.6%	0.3%	0.5%	0.0%	0.2%																												
UnadjHwy	Car	1993			0.0%	0.0%	1.5%	6.0%	27.9%	40.0%	16.2%	5.9%	1.6%	0.2%	0.5%	0.0%	0.1%																												
UnadjHwy	Car	1994				0.0%	0.8%	4.3%	28.7%	41.7%	13.5%	8.5%	1.5%	0.2%	0.5%		0.1%																												
UnadjHwy	Car	1995			0.0%	0.0%	0.6%	2.4%	21.3%	50.5%	14.8%	8.2%	1.5%	0.3%	0.3%		0.0%																												
UnadjHwy	Car	1996				0.0%	0.4%	3.0%	29.1%	45.2%	12.1%	7.7%	2.0%	0.1%	0.3%																													
UnadjHwy	Car	1997				0.0%	0.4%	2.6%	26.3%	43.8%	19.0%	6.3%	1.1%	0.2%	0.2%																													
UnadjHwy	Car	1998				0.0%	0.1%	5.3%	16.1%	50.8%	17.3%	9.4%	0.6%	0.0%	0.3%																													
UnadjHwy	Car	1999				0.0%	0.0%	5.1%	17.6%	56.4%	14.1%	5.9%	0.6%	0.0%	0.2%																													
UnadjHwy	Car	2000				0.0%	0.7%	5.9%	17.9%	55.0%	15.7%	4.0%	0.5%	0.1%	0.1%					0.1%																								
UnadjHwy	Car	2001				0.0%	0.6%	6.0%	27.3%	40.3%	16.0%	6.6%	2.8%	0.3%	0.1%		0.0%			0.0%																								
UnadjHwy	Car	2002				0.0%	0.6%	4.1%	22.6%	43.9%	19.4%	6.7%	2.0%	0.5%	0.2%		0.0%			0.0%																								
UnadjHwy	Car	2003				0.0%	0.1%	3.9%	23.1%	38.2%	25.3%	7.8%	0.7%	0.3%	0.6%		0.0%			0.0%																								
UnadjHwy	Car	2004				0.0%	0.1%	5.1%	22.5%	39.5%	23.3%	8.0%	0.4%	0.2%	0.9%		0.0%		0.0%																									
UnadjHwy	Car	2005				0.0%	0.1%	3.2%	23.1%	33.0%	29.7%	8.5%	0.5%	0.2%	1.7%		0.0%		0.0%																									
UnadjHwy	Car	2006				0.0%	0.3%	3.1%	23.9%	37.3%	24.4%	5.9%	3.6%	0.0%	1.4%		0.0%		0.0%																									
UnadjHwy	Car	2007				0.0%	0.2%	2.4%	21.6%	32.8%	26.6%	10.9%	3.3%		2.1%																													
UnadjHwy	Car	2008				0.0%	0.2%	2.4%	18.7%	33.4%	26.4%	12.4%	3.7%	0.3%	2.5%																													
UnadjHwy	Car	2009				0.0%	0.1%	1.8%	12.0%	25.9%	33.0%	20.8%	4.0%	0.8%	1.6%																													
UnadjHwy	Car	2010				0.0%	0.1%	0.7%	14.3%	20.5%	24.0%	29.8%	5.4%	0.9%	0.7%	3.6%				0.0%																								
UnadjHwy	Car	2011					0.1%	0.7%	9.9%	25.1%	21.0%	31.3%	6.8%	2.6%	0.4%	1.9%		0.1%		0.0%					0.0%							0.1%	0.0%											
UnadjHwy	Car	2012				0.0%	0.1%	0.5%	6.5%	16.5%	20.5%	31.1%	13.5%	8.4%	0.3%	2.1%	0.2%	0.2%			0.0%	0.0%		0.0%	0.0%				0.1%		0.0%												
UnadjHwy	Car	2013				0.0%	0.1%	0.2%	4.3%	13.7%	23.4%	24.6%	16.9%	13.3%	0.3%	2.3%	0.1%	0.3%			0.0%			0.0%	0.1%	0.0%	0.0%		0.0%		0.0%	0.3%	0.0%										
UnadjHwy	Car	2014				0.0%	0.1%	0.3%	4.3%	12.5%	23.2%	21.6%	24.7%	9.9%	0.7%	1.8%	0.1%	0.3%		0.0%	0.0%		0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		0.1%	0.0%	0.0%	0.1%									
UnadjHwy	Car	2015					0.0%	0.3%	4.9%	9.6%	18.7%	21.8%	28.7%	11.6%	1.0%	2.3%	0.1%	0.1%					0.1%		0.0%	0.0%	0.0%		0.1%		0.5%		0.1%	0.1%									
UnadjHwy	Car	2016					0.0%	0.5%	3.2%	9.0%	19.6%	23.7%	26.9%	12.7%	1.8%	0.3%	0.9%	0.1%	0.0%	0.3%		0.0%			0.0%	0.0%	0.1%	0.2%	0.2%	0.1%	0.4%	0.1%	0.1%	0.0%									
UnadjHwy	Car	2017					0.0%	0.4%	2.4%	10.3%	19.6%	22.2%	21.6%	15.3%	2.7%	0.4%	2.1%	0.3%	0.0%		0.8%	0.0%	0.1%			0.0%	0.1%	0.3%	0.1%	0.1%	0.5%	0.1%	0.0%	0.3%			0.2%		0.0%				

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjHwy	Truck	1975		0.0%	38.8%	38.9%	12.1%	7.7%	2.5%																																	
UnadjHwy	Truck	1976			32.8%	42.7%	15.9%	3.9%	4.7%																																	
UnadjHwy	Truck	1977			18.5%	45.6%	22.0%	5.0%	7.7%	1.3%																																
UnadjHwy	Truck	1978			31.4%	37.1%	19.0%	5.3%	6.3%	0.9%																																
UnadjHwy	Truck	1979		0.6%	33.4%	37.0%	16.9%	7.7%	2.3%	1.9%																																
UnadjHwy	Truck	1980			3.2%	31.8%	33.5%	14.4%	12.8%	3.8%		0.5%	0.1%																													
UnadjHwy	Truck	1981			0.5%	14.5%	48.1%	16.2%	11.6%	5.8%	1.9%	0.7%	0.7%																													
UnadjHwy	Truck	1982			2.2%	14.0%	38.0%	18.4%	18.5%	6.7%	1.6%	0.6%																														
UnadjHwy	Truck	1983			0.8%	13.2%	34.0%	21.4%	20.5%	7.8%	1.5%	0.8%																														
UnadjHwy	Truck	1984			0.9%	12.6%	33.5%	27.1%	15.0%	9.9%	0.6%	0.3%																														
UnadjHwy	Truck	1985			0.3%	21.1%	21.0%	30.3%	22.0%	3.8%	1.3%	0.1%																														
UnadjHwy	Truck	1986			0.2%	12.6%	23.6%	35.2%	21.2%	7.1%	0.1%	0.1%																														
UnadjHwy	Truck	1987			0.1%	9.3%	21.4%	39.1%	23.0%	7.0%	0.0%	0.0%																														
UnadjHwy	Truck	1988			0.1%	7.6%	31.5%	33.2%	19.1%	8.5%																																
UnadjHwy	Truck	1989			0.4%	5.4%	33.6%	39.1%	17.3%	4.3%																																
UnadjHwy	Truck	1990			0.5%	5.0%	36.2%	38.2%	15.6%	4.5%																																
UnadjHwy	Truck	1991			0.1%	3.4%	28.4%	47.6%	17.8%	2.7%																																
UnadjHwy	Truck	1992			0.1%	2.0%	38.2%	37.2%	18.2%	4.3%																																
UnadjHwy	Truck	1993			0.1%	0.9%	31.0%	44.8%	19.9%	3.4%																																
UnadjHwy	Truck	1994				2.9%	36.9%	41.3%	16.9%	2.0%																																
UnadjHwy	Truck	1995				2.8%	43.1%	27.1%	21.7%	5.2%																																
UnadjHwy	Truck	1996				2.3%	38.0%	30.6%	26.3%	2.7%																																
UnadjHwy	Truck	1997				0.6%	40.6%	37.9%	16.6%	4.3%																																
UnadjHwy	Truck	1998					33.9%	35.5%	28.3%	2.3%	0.0%																																
UnadjHwy	Truck	1999				0.2%	41.5%	35.7%	21.2%	1.3%																																
UnadjHwy	Truck	2000				0.1%	38.3%	37.3%	23.7%	0.6%	0.0%																																
UnadjHwy	Truck	2001				0.1%	46.3%	30.4%	22.4%	0.7%																																
UnadjHwy	Truck	2002				0.9%	47.2%	33.1%	18.1%	0.7%																																
UnadjHwy	Truck	2003				0.0%	38.4%	36.3%	24.4%	0.8%																																
UnadjHwy	Truck	2004				0.1%	43.5%	35.2%	20.8%	0.4%																																
UnadjHwy	Truck	2005				0.1%	33.7%	38.2%	25.4%	2.6%																																
UnadjHwy	Truck	2006				0.0%	30.0%	40.8%	24.3%	4.9%																																
UnadjHwy	Truck	2007				0.1%	19.7%	49.3%	25.3%	5.5%	0.0%																																
UnadjHwy	Truck	2008				0.1%	15.4%	45.9%	28.8%	9.7%	0.1%																																
UnadjHwy	Truck	2009				0.0%	9.0%	39.1%	36.0%	15.7%	0.2%																																
UnadjHwy	Truck	2010				0.0%	11.0%	37.0%	35.2%	15.3%	1.5%																																
UnadjHwy	Truck	2011		0.0%		0.2%	6.4%	36.8%	35.9%	18.2%	2.4%																																
UnadjHwy	Truck	2012			0.0%	0.0%	5.9%	36.2%	28.8%	23.7%	5.6%																																
UnadjHwy	Truck	2013			0.0%	0.0%	4.8%	33.4%	32.8%	15.8%	12.4%	0.9%																																
UnadjHwy	Truck	2014			0.0%	0.0%	4.0%	23.0%	33.5%	23.8%	14.4%	1.4%																																
UnadjHwy	Truck	2015					1.7%	17.0%	39.8%	21.8%	13.2%	6.5%																																
UnadjHwy	Truck	2016				0.0%	1.6%	16.8%	37.6%	22.8%	16.9%	4.2%	0.0%	0.0%	0.1%																												
UnadjHwy	Truck	2017				0.0%	1.9%	16.0%	36.3%	25.8%	11.1%	8.7%			0.2%																												

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjCity	All	1975		22.3%	52.3%	19.0%	6.3%	0.2%																																		
AdjCity	All	1976		6.8%	61.1%	21.1%	9.0%	2.0%																																		
AdjCity	All	1977		4.9%	62.0%	19.6%	7.5%	4.5%	1.0%	0.4%																																
AdjCity	All	1978		2.3%	50.9%	29.4%	10.3%	5.6%	1.2%	0.3%																																
AdjCity	All	1979		4.1%	47.8%	31.6%	13.2%	2.8%	0.3%	0.3%																																
AdjCity	All	1980		0.1%	22.2%	42.7%	26.2%	6.8%	1.0%	1.0%																																
AdjCity	All	1981	0.0%	0.0%	15.8%	42.8%	26.9%	10.4%	3.3%	0.8%																																
AdjCity	All	1982		0.1%	13.7%	37.6%	33.4%	10.9%	2.8%	1.2%	0.2%																																
AdjCity	All	1983		0.0%	18.5%	37.6%	23.7%	14.6%	4.7%	0.7%	0.1%																																
AdjCity	All	1984		0.2%	15.2%	39.1%	28.8%	11.8%	4.0%	0.7%	0.1%	0.1%																																
AdjCity	All	1985		0.0%	9.2%	46.1%	28.9%	11.0%	3.9%	0.6%	0.0%	0.3%																																
AdjCity	All	1986		0.1%	9.1%	42.5%	32.9%	11.5%	2.4%	0.9%	0.4%	0.0%	0.2%																																
AdjCity	All	1987		0.0%	7.4%	42.8%	32.1%	15.3%	1.3%	0.7%	0.2%		0.1%																																
AdjCity	All	1988		0.0%	10.4%	41.2%	32.4%	12.9%	1.5%	1.3%	0.2%	0.1%	0.1%																																
AdjCity	All	1989		0.0%	10.9%	46.9%	29.2%	11.0%	0.9%	0.8%	0.1%	0.2%																																
AdjCity	All	1990		0.1%	11.1%	48.0%	30.6%	8.0%	1.7%	0.1%	0.2%	0.0%	0.0%																																
AdjCity	All	1991		0.0%	11.2%	49.8%	29.8%	7.1%	1.5%	0.1%	0.4%	0.1%	0.0%																																
AdjCity	All	1992		0.0%	16.4%	51.4%	24.5%	5.3%	1.5%	0.2%	0.4%	0.1%																																
AdjCity	All	1993		0.0%	16.4%	48.2%	27.1%	6.6%	1.1%	0.2%	0.4%	0.1%																																
AdjCity	All	1994		0.0%	18.6%	48.9%	26.4%	4.7%	0.9%	0.1%	0.3%	0.1%																																
AdjCity	All	1995		0.0%	18.9%	49.8%	23.8%	6.2%	1.0%	0.2%	0.2%																																
AdjCity	All	1996		0.0%	18.7%	51.2%	22.7%	6.3%	0.7%	0.1%	0.2%																																
AdjCity	All	1997		0.0%	22.2%	46.6%	25.2%	5.1%	0.7%	0.1%																																
AdjCity	All	1998		0.0%	21.1%	49.3%	22.9%	6.4%	0.2%	0.2%																																
AdjCity	All	1999		0.0%	25.9%	49.8%	19.5%	4.6%	0.0%	0.1%																																
AdjCity	All	2000		0.0%	26.3%	50.5%	20.0%	2.9%	0.2%	0.1%			0.0%																														
AdjCity	All	2001		0.0%	28.2%	50.0%	16.6%	4.8%	0.2%	0.1%	0.1%	0.0%	0.0%																														
AdjCity	All	2002		0.0%	31.0%	47.2%	17.7%	3.9%	0.0%	0.1%	0.1%	0.0%	0.0%																														
AdjCity	All	2003		0.0%	29.4%	47.7%	18.0%	4.4%	0.0%	0.2%	0.2%	0.0%																														
AdjCity	All	2004		0.0%	35.6%	43.8%	16.1%	3.9%	0.1%	0.1%		0.3%																														
AdjCity	All	2005		0.0%	28.8%	47.5%	17.5%	5.0%	0.1%	0.2%		0.8%																														
AdjCity	All	2006		0.0%	26.7%	49.3%	16.9%	6.1%	0.2%		0.2%	0.6%																														
AdjCity	All	2007		0.0%	25.6%	44.2%	22.0%	6.3%	0.5%	0.0%	0.2%	1.0%																														
AdjCity	All	2008		0.0%	23.1%	46.1%	22.4%	6.3%	0.5%	0.1%	0.2%	1.2%																														
AdjCity	All	2009		0.0%	14.7%	41.0%	29.8%	12.5%	0.8%	0.1%	0.2%	0.9%																														
AdjCity	All	2010		0.0%	15.0%	37.1%	32.0%	12.3%	0.3%	0.2%	0.8%		2.3%	0.0%																													
AdjCity	All	2011		0.0%	14.6%	40.4%	34.5%	8.3%	0.6%	0.1%	0.2%	1.1%	0.0%	0.0%		0.0%					0.0%				0.1%																		
AdjCity	All	2012		0.0%	11.4%	35.0%	33.0%	16.5%	1.1%	0.4%	0.9%	0.9%	0.3%		0.2%			0.0%		0.0%				0.1%	0.0%			0.0%														
AdjCity	All	2013		0.0%	10.8%	31.3%	32.1%	20.5%	1.5%	0.5%	1.3%	1.0%	0.3%		0.2%			0.0%		0.1%	0.0%				0.0%		0.2%	0.2%	0.0%	0.0%												
AdjCity	All	2014		0.0%	7.8%	36.2%	33.3%	17.8%	1.7%	0.5%	1.0%	0.7%	0.2%	0.0%	0.2%	0.2%		0.0%	0.0%	0.1%	0.0%				0.0%	0.0%	0.0%	0.1%	0.0%	0.0%												
AdjCity	All	2015		0.0%	4.7%	36.1%	32.3%	21.7%	2.1%	0.5%	0.7%	1.0%	0.2%		0.1%	0.1%				0.1%	0.0%	0.1%	0.0%		0.0%	0.0%	0.1%	0.2%		0.0%												
AdjCity	All	2016			7.0%	31.6%	33.4%	21.7%	4.0%	0.3%	0.6%	0.0%	0.6%	0.1%	0.0%	0.1%			0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%		0.0%												0.1%
AdjCity	All	2017		0.0%	6.8%	30.2%	30.8%	23.4%	4.2%	0.3%	0.8%	0.4%	1.2%	0.2%	0.2%	0.1%	0.0%		0.0%	0.0%	0.4%	0.3%	0.1%			0.1%	0.3%	0.2%	0.1%	0.0%		0.0%										

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjComp	All	1975		10.7%	56.3%	22.7%	7.8%	2.5%																																		
AdjComp	All	1976		2.8%	59.4%	22.8%	11.5%	3.0%	0.5%																																	
AdjComp	All	1977		0.9%	48.4%	33.3%	10.0%	5.5%	1.2%	0.7%																															
AdjComp	All	1978		0.9%	36.2%	41.7%	12.5%	5.6%	2.8%	0.3%																															
AdjComp	All	1979		3.2%	31.9%	41.8%	15.5%	6.5%	0.8%	0.3%																															
AdjComp	All	1980		0.0%	11.4%	43.6%	30.7%	10.8%	2.3%	1.0%	0.2%																														
AdjComp	All	1981	0.0%	0.0%	6.1%	40.2%	30.6%	16.4%	4.6%	1.3%	0.7%																														
AdjComp	All	1982		0.0%	4.5%	33.9%	30.1%	24.0%	5.8%	1.1%	0.6%																														
AdjComp	All	1983		0.0%	4.9%	35.3%	28.9%	21.4%	7.6%	1.5%	0.3%	0.0%																														
AdjComp	All	1984		0.0%	5.8%	30.7%	31.2%	25.1%	4.4%	2.3%	0.3%	0.1%																														
AdjComp	All	1985		0.0%	7.0%	30.7%	28.6%	26.4%	5.5%	1.1%	0.3%	0.3%																														
AdjComp	All	1986		0.0%	5.7%	23.6%	35.6%	27.8%	5.3%	1.4%	0.2%	0.2%	0.1%	0.2%																												
AdjComp	All	1987		0.0%	4.9%	23.3%	38.2%	25.8%	6.3%	1.1%	0.0%	0.2%	0.1%																													
AdjComp	All	1988		0.0%	5.4%	25.7%	35.1%	26.0%	5.7%	1.8%	0.0%	0.2%	0.1%																													
AdjComp	All	1989		0.0%	5.8%	26.4%	39.7%	22.1%	4.3%	1.3%	0.0%	0.2%	0.1%																													
AdjComp	All	1990		0.1%	6.6%	26.4%	41.3%	21.2%	3.7%	0.5%	0.1%	0.2%	0.0%																													
AdjComp	All	1991		0.0%	5.2%	29.7%	40.7%	19.3%	4.0%	0.6%	0.4%	0.1%	0.0%																													
AdjComp	All	1992		0.0%	6.2%	28.5%	44.9%	15.2%	3.4%	1.1%	0.5%	0.1%	0.1%																													
AdjComp	All	1993		0.0%	4.8%	33.2%	40.6%	16.3%	3.5%	1.0%	0.4%	0.0%	0.1%																													
AdjComp	All	1994			8.8%	34.7%	37.5%	14.6%	3.0%	0.9%	0.4%	0.0%	0.1%																													
AdjComp	All	1995		0.0%	9.0%	31.5%	38.6%	16.0%	4.4%	0.3%	0.3%	0.0%																													
AdjComp	All	1996			8.3%	31.1%	44.1%	12.8%	3.2%	0.3%	0.2%																															
AdjComp	All	1997			7.8%	35.7%	39.6%	14.2%	2.5%	0.1%	0.1%																															
AdjComp	All	1998			9.8%	33.9%	39.4%	14.8%	1.9%	0.1%	0.2%																															
AdjComp	All	1999			10.1%	34.7%	41.7%	12.4%	0.9%	0.1%	0.1%																															
AdjComp	All	2000		0.0%	7.1%	38.0%	43.3%	10.5%	0.9%	0.1%	0.1%			0.0%																												
AdjComp	All	2001		0.0%	9.8%	37.4%	38.1%	10.7%	3.8%	0.1%	0.2%	0.0%		0.0%																												
AdjComp	All	2002			8.9%	39.0%	39.4%	9.3%	3.0%	0.1%	0.2%	0.0%		0.0%																												
AdjComp	All	2003		0.0%	11.1%	35.0%	39.1%	12.2%	2.1%	0.0%	0.4%	0.0%	0.0%																													
AdjComp	All	2004			12.3%	38.1%	35.0%	13.0%	1.1%	0.1%	0.1%	0.3%	0.0%																													
AdjComp	All	2005		0.0%	9.3%	37.5%	33.6%	15.4%	3.2%	0.1%	0.2%	0.8%	0.0%																													
AdjComp	All	2006		0.0%	6.0%	38.8%	36.6%	13.1%	4.7%	0.0%	0.2%	0.6%	0.0%																													
AdjComp	All	2007			4.3%	38.8%	32.3%	17.5%	5.9%		0.2%	1.0%																													
AdjComp	All	2008			4.1%	35.5%	35.4%	18.1%	5.4%	0.2%	0.2%	1.2%																													
AdjComp	All	2009			1.0%	26.1%	35.6%	25.2%	10.9%	0.2%	0.2%	0.9%																													
AdjComp	All	2010			1.2%	26.5%	33.7%	24.9%	10.1%	0.9%	0.5%	2.3%			0.0%																											
AdjComp	All	2011		0.0%	1.4%	27.8%	38.2%	25.4%	5.4%	0.4%	0.2%	1.1%	0.0%	0.0%	0.0%				0.0%			0.1%	0.0%																		
AdjComp	All	2012		0.0%	1.1%	22.1%	30.9%	28.0%	14.4%	1.1%	0.7%	1.3%	0.1%		0.1%		0.0%	0.0%		0.0%		0.1%	0.0%	0.0%																	
AdjComp	All	2013		0.0%	0.8%	19.7%	27.3%	30.5%	17.2%	1.8%	0.6%	1.4%	0.1%		0.0%			0.0%		0.1%	0.0%	0.0%	0.2%		0.2%	0.0%														
AdjComp	All	2014		0.0%	0.7%	19.4%	30.2%	28.6%	16.6%	2.2%	0.6%	1.1%	0.1%	0.2%	0.0%			0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%													
AdjComp	All	2015			0.3%	18.0%	28.5%	30.7%	17.5%	2.7%	0.4%	1.3%	0.0%	0.1%					0.0%	0.0%	0.0%	0.0%	0.1%		0.3%	0.0%	0.0%													
AdjComp	All	2016			0.3%	17.4%	28.6%	30.2%	19.8%	2.0%	0.4%	0.2%	0.5%	0.0%	0.1%	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%				0.0%										
AdjComp	All	2017			0.2%	16.4%	28.6%	27.1%	19.9%	3.7%	0.8%	0.5%	1.2%	0.2%	0.0%	0.0%	0.4%		0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%		0.0%												

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
AdjHwy	All	1975		4.1%	56.7%	19.9%	12.3%	4.8%	2.1%																																	
AdjHwy	All	1976		1.3%	44.6%	34.7%	9.2%	7.0%	3.1%																																	
AdjHwy	All	1977		0.5%	28.8%	49.4%	8.4%	6.7%	4.6%	1.1%	0.4%																														
AdjHwy	All	1978		0.2%	21.0%	50.7%	14.1%	8.2%	4.1%	1.4%	0.3%																														
AdjHwy	All	1979		2.4%	16.8%	52.3%	15.8%	8.9%	3.2%	0.5%	0.1%																														
AdjHwy	All	1980		0.0%	5.3%	31.9%	32.4%	21.0%	7.8%	0.7%	1.0%																														
AdjHwy	All	1981		0.0%	2.1%	21.2%	36.2%	24.5%	11.7%	2.8%	0.8%	0.6%																														
AdjHwy	All	1982		0.0%	2.6%	15.8%	33.1%	29.1%	13.5%	4.6%	0.7%	0.6%																														
AdjHwy	All	1983		0.0%	2.3%	14.6%	36.5%	26.8%	13.0%	5.5%	1.2%	0.2%																														
AdjHwy	All	1984		0.0%	2.9%	12.1%	36.2%	22.2%	21.4%	3.5%	1.3%	0.2%	0.1%																														
AdjHwy	All	1985		0.0%	2.9%	8.5%	40.9%	22.8%	18.1%	5.1%	1.2%	0.1%	0.3%																														
AdjHwy	All	1986		0.0%	1.6%	9.9%	29.7%	39.3%	14.5%	3.3%	1.2%	0.2%	0.0%	0.2%																												
AdjHwy	All	1987		0.0%	2.2%	7.1%	28.8%	33.7%	23.2%	3.7%	0.8%	0.2%		0.1%																												
AdjHwy	All	1988			2.2%	10.8%	25.2%	40.0%	16.8%	4.1%	0.7%	0.1%	0.1%	0.1%																												
AdjHwy	All	1989			1.5%	12.3%	24.6%	45.3%	12.8%	2.7%	0.5%	0.0%	0.2%																														
AdjHwy	All	1990			1.0%	13.0%	25.4%	47.5%	9.9%	2.5%	0.5%	0.2%	0.0%	0.0%																												
AdjHwy	All	1991			0.8%	12.9%	28.5%	40.3%	14.2%	2.5%	0.4%	0.4%	0.1%	0.0%																												
AdjHwy	All	1992			0.6%	14.5%	28.1%	41.6%	10.9%	3.3%	0.4%	0.3%	0.1%	0.1%																												
AdjHwy	All	1993			0.3%	16.8%	28.0%	37.7%	13.3%	3.2%	0.4%	0.3%	0.0%	0.1%																												
AdjHwy	All	1994			0.3%	20.6%	27.5%	36.1%	12.2%	2.7%	0.1%	0.3%	0.0%	0.1%																												
AdjHwy	All	1995			0.9%	20.2%	25.1%	38.0%	10.9%	4.6%	0.2%	0.2%	0.0%																												
AdjHwy	All	1996			0.8%	18.9%	25.1%	41.7%	10.5%	2.7%	0.2%	0.2%																												
AdjHwy	All	1997			0.2%	23.8%	24.9%	35.8%	12.5%	2.5%	0.1%	0.1%																												
AdjHwy	All	1998			0.0%	23.9%	24.6%	37.3%	12.3%	1.7%	0.1%	0.2%																												
AdjHwy	All	1999			0.1%	28.4%	21.7%	39.0%	9.9%	0.7%	0.1%	0.1%																												
AdjHwy	All	2000			0.1%	28.6%	22.1%	40.1%	7.9%	0.9%	0.1%	0.1%			0.0%																										
AdjHwy	All	2001			0.9%	28.7%	24.0%	35.1%	8.4%	2.6%	0.3%		0.0%		0.0%																										
AdjHwy	All	2002			0.6%	32.9%	21.2%	35.5%	7.5%	2.0%	0.3%	0.0%	0.0%		0.0%																										
AdjHwy	All	2003			1.1%	30.2%	26.5%	32.6%	8.6%	0.6%	0.4%	0.1%	0.0%		0.0%																										
AdjHwy	All	2004			0.2%	31.6%	29.1%	27.2%	10.7%	0.7%	0.2%	0.3%		0.0%																												
AdjHwy	All	2005			0.1%	24.3%	33.1%	26.5%	14.7%	0.4%	0.2%	0.8%		0.0%																												
AdjHwy	All	2006			0.1%	23.9%	31.7%	29.3%	12.1%	2.1%		0.8%		0.0%																												
AdjHwy	All	2007			0.1%	23.4%	29.5%	24.5%	18.5%	2.8%		1.3%																														
AdjHwy	All	2008			0.1%	19.3%	29.8%	29.8%	17.2%	2.2%	0.2%	1.5%																														
AdjHwy	All	2009			0.0%	11.8%	24.8%	29.4%	29.5%	3.2%	0.2%	1.1%																														
AdjHwy	All	2010			0.0%	10.6%	28.6%	26.4%	27.7%	3.5%	1.0%	2.3%			0.0%																												
AdjHwy	All	2011		0.0%	0.1%	8.5%	31.0%	31.4%	24.0%	3.2%	0.6%	1.1%	0.0%		0.0%			0.0%				0.1%	0.0%																				
AdjHwy	All	2012		0.0%	0.0%	7.4%	25.2%	26.0%	26.7%	12.2%	0.8%	1.3%	0.1%		0.1%	0.0%	0.0%					0.1%	0.0%																				
AdjHwy	All	2013		0.0%	0.0%	6.3%	23.1%	24.9%	26.1%	17.2%	0.6%	1.3%	0.1%		0.0%		0.0%					0.3%	0.0%	0.2%	0.0%																		
AdjHwy	All	2014		0.0%	0.0%	5.7%	24.6%	26.4%	22.9%	18.0%	0.9%	0.9%	0.2%		0.0%	0.0%	0.0%		0.0%			0.1%	0.0%	0.1%	0.0%	0.0%																
AdjHwy	All	2015			0.0%	2.7%	27.1%	21.3%	24.7%	21.6%	0.9%	1.1%	0.1%			0.0%			0.0%			0.0%	0.0%	0.2%	0.1%	0.0%																
AdjHwy	All	2016			0.0%	2.6%	25.1%	24.0%	25.6%	20.1%	1.2%	0.6%	0.0%	0.0%	0.2%	0.0%			0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.0%																
AdjHwy	All	2017			0.0%	2.8%	22.3%	25.7%	25.3%	19.0%	1.7%	1.4%	0.2%	0.1%	0.5%	0.0%	0.0%		0.0%	0.0%	0.2%	0.1%	0.3%	0.1%	0.2%	0.1%	0.0%															

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
Unadj5545	All	1975		0.5%	51.8%	26.9%	13.7%	5.1%	2.0%																																	
Unadj5545	All	1976		0.0%	34.1%	42.3%	11.8%	8.8%	2.5%	0.5%																																
Unadj5545	All	1977		0.1%	23.2%	51.8%	10.1%	8.2%	4.8%	0.8%	1.1%																														
Unadj5545	All	1978		0.0%	17.6%	45.1%	19.8%	9.9%	4.5%	2.6%	0.4%																														
Unadj5545	All	1979		0.3%	14.9%	43.8%	23.2%	11.5%	5.1%	0.8%	0.2%	0.1%																														
Unadj5545	All	1980		0.0%	3.0%	24.1%	36.3%	23.2%	10.1%	1.7%	1.5%	0.2%																														
Unadj5545	All	1981	0.0%		1.3%	16.8%	35.4%	24.7%	14.6%	4.7%	1.6%	0.8%																														
Unadj5545	All	1982		0.0%	1.6%	18.7%	27.2%	26.5%	18.0%	5.7%	1.5%	0.6%	0.2%																													
Unadj5545	All	1983		0.0%	1.6%	17.0%	33.3%	19.3%	18.5%	8.1%	1.7%	0.5%	0.1%																													
Unadj5545	All	1984		0.0%	1.8%	14.2%	34.3%	22.3%	19.3%	5.3%	2.1%	0.5%	0.2%	0.1%																												
Unadj5545	All	1985		0.0%	1.8%	8.7%	41.7%	15.7%	24.3%	5.9%	0.9%	0.6%	0.0%	0.3%																												
Unadj5545	All	1986		0.0%	0.8%	9.7%	30.3%	31.5%	18.9%	6.1%	1.3%	1.1%	0.2%	0.0%	0.1%	0.2%																										
Unadj5545	All	1987		0.0%	0.8%	7.7%	30.0%	28.7%	24.7%	6.4%	0.7%	0.7%	0.2%	0.0%	0.1%	0.1%																										
Unadj5545	All	1988		0.0%	0.7%	11.4%	24.4%	29.9%	25.1%	5.6%	1.4%	1.1%	0.1%	0.0%	0.1%	0.1%																										
Unadj5545	All	1989		0.0%	0.9%	11.0%	27.0%	33.7%	20.6%	5.0%	0.8%	0.8%		0.2%	0.1%																											
Unadj5545	All	1990			1.0%	11.2%	24.9%	39.7%	17.5%	4.5%	0.7%	0.1%	0.0%	0.2%		0.0%																										
Unadj5545	All	1991			0.4%	9.8%	30.5%	34.8%	17.3%	5.2%	1.4%	0.1%	0.1%	0.4%		0.0%																										
Unadj5545	All	1992			0.4%	13.5%	32.6%	32.5%	14.5%	4.6%	1.1%	0.2%	0.4%	0.1%		0.1%																										
Unadj5545	All	1993			0.1%	13.6%	27.8%	36.4%	15.6%	4.8%	1.1%	0.1%	0.1%	0.3%		0.1%																										
Unadj5545	All	1994			0.0%	15.6%	32.6%	32.0%	14.2%	4.0%	0.8%	0.2%	0.1%	0.3%		0.1%																										
Unadj5545	All	1995			0.1%	17.7%	25.2%	35.7%	13.7%	6.2%	0.9%	0.3%	0.3%	0.0%																												
Unadj5545	All	1996			0.4%	14.7%	29.2%	34.7%	13.9%	5.9%	0.8%	0.2%	0.2%																													
Unadj5545	All	1997			0.0%	17.3%	29.5%	31.5%	14.6%	6.1%	0.7%	0.1%	0.1%																													
Unadj5545	All	1998			0.0%	15.0%	30.8%	34.3%	12.9%	6.6%	0.2%	0.1%	0.2%																													
Unadj5545	All	1999			0.0%	18.4%	29.3%	35.7%	10.7%	5.7%	0.1%	0.0%	0.1%																													
Unadj5545	All	2000			0.0%	16.7%	30.8%	36.1%	11.5%	4.5%	0.2%	0.0%	0.1%				0.0%																										
Unadj5545	All	2001			0.0%	19.0%	28.8%	33.4%	12.9%	4.7%	0.9%	0.0%	0.1%	0.1%		0.0%		0.0%																									
Unadj5545	All	2002			0.0%	22.7%	26.5%	31.8%	14.1%	4.0%	0.6%	0.0%	0.1%	0.1%		0.0%		0.0%																									
Unadj5545	All	2003			0.0%	21.1%	27.3%	31.1%	14.3%	5.0%	0.8%	0.0%	0.1%	0.3%		0.0%		0.0%																									
Unadj5545	All	2004			0.0%	21.8%	29.4%	29.3%	13.3%	5.1%	0.5%	0.1%		0.1%		0.3%	0.0%																									
Unadj5545	All	2005			0.0%	18.1%	28.8%	29.9%	15.0%	6.4%	0.6%	0.1%		0.2%		0.8%	0.0%																									
Unadj5545	All	2006			0.0%	14.8%	30.0%	30.8%	15.7%	7.1%	0.7%	0.0%		0.2%		0.6%	0.0%																									
Unadj5545	All	2007			0.0%	11.6%	32.8%	27.2%	16.4%	8.8%	1.5%	0.5%		0.2%		1.0%																									
Unadj5545	All	2008			0.0%	9.1%	31.7%	30.2%	16.2%	9.5%	1.4%	0.4%		0.2%		1.2%																									
Unadj5545	All	2009			0.0%	4.7%	23.3%	28.7%	24.8%	11.3%	5.2%	0.9%		0.2%		0.9%																									
Unadj5545	All	2010			0.0%	6.4%	22.3%	24.4%	23.4%	17.9%	1.6%	0.9%	0.3%	0.5%			2.3%			0.0%																					
Unadj5545	All	2011		0.0%	0.0%	4.7%	24.7%	25.9%	25.5%	13.9%	2.9%	0.5%	0.4%	0.2%			1.1%	0.0%		0.0%								0.0%						0.1%	0.0%							
Unadj5545	All	2012			0.0%	3.8%	19.7%	22.5%	23.8%	13.9%	12.1%	1.1%	0.7%	0.7%	0.1%		1.3%	0.0%	0.1%	0.1%			0.0%	0.0%	0.0%					0.1%	0.0%			0.0%								
Unadj5545	All	2013			0.0%	2.9%	18.1%	20.1%	24.7%	13.7%	15.4%	1.5%	0.4%	1.2%	0.1%		1.5%		0.1%	0.0%	0.2%			0.0%	0.1%	0.0%						0.0%	0.0%		0.2%	0.0%	0.0%					
Unadj5545	All	2014			0.0%	2.1%	18.2%	22.5%	23.3%	14.7%	13.0%	3.1%	0.6%	0.9%	0.0%	0.1%	1.1%		0.1%	0.0%	0.2%			0.0%	0.1%	0.0%	0.0%		0.0%			0.0%	0.0%		0.1%	0.0%		0.0%				
Unadj5545	All	2015			0.0%	1.0%	17.6%	21.1%	20.5%	19.2%	14.6%	2.6%	0.7%	0.5%	0.0%	0.1%	1.3%		0.0%		0.1%				0.0%	0.0%		0.0%	0.1%			0.0%	0.0%		0.2%	0.1%		0.0%				
Unadj5545	All	2016				1.0%	16.7%	22.1%	18.8%	20.3%	13.8%	4.8%	0.4%	0.7%	0.0%	0.0%	0.6%		0.1%		0.1%	0.0%				0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		0.1%	0.1%		0.0%	0.1%			0.0%
Unadj5545	All	2017			0.0%	0.9%	15.6%	21.0%	20.2%	16.6%	15.5%	5.2%	0.4%	0.8%	0.4%	0.2%	1.2%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%			0.5%	0.0%	0.2%	0.1%	0.0%	0.1%		0.0%	0.0%	0.3%	0.0%	0.2%	0.1%					0.0%

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjCity	All	1975		7.9%	56.1%	25.3%	8.6%	2.0%																																		
UnadjCity	All	1976		1.4%	52.5%	32.2%	9.6%	3.9%	0.5%																																	
UnadjCity	All	1977		0.7%	43.7%	38.1%	9.4%	6.2%	0.8%	1.1%																															
UnadjCity	All	1978		0.5%	34.7%	43.5%	12.5%	5.1%	2.7%	1.0%																															
UnadjCity	All	1979		1.6%	27.8%	46.6%	13.6%	8.6%	1.3%	0.2%	0.1%																														
UnadjCity	All	1980		0.0%	9.6%	42.0%	31.7%	11.3%	3.7%	0.7%	1.0%																														
UnadjCity	All	1981	0.0%	0.0%	4.5%	40.7%	27.0%	19.5%	5.3%	2.1%	0.8%																														
UnadjCity	All	1982		0.0%	4.0%	31.9%	31.1%	22.4%	8.0%	1.5%	0.7%	0.2%																													
UnadjCity	All	1983		0.0%	3.3%	37.4%	26.9%	19.8%	10.2%	1.9%	0.4%	0.1%																													
UnadjCity	All	1984		0.0%	4.0%	31.9%	31.3%	24.0%	6.0%	2.0%	0.6%	0.1%	0.1%																												
UnadjCity	All	1985		0.0%	6.7%	31.8%	25.9%	27.4%	6.2%	1.1%	0.6%	0.0%	0.3%																												
UnadjCity	All	1986		0.0%	2.4%	28.3%	35.7%	23.9%	6.9%	1.3%	0.9%	0.3%	0.0%	0.1%	0.2%																										
UnadjCity	All	1987		0.0%	3.5%	25.1%	34.5%	26.7%	8.5%	0.7%	0.7%	0.2%		0.1%																											
UnadjCity	All	1988		0.0%	4.0%	28.4%	29.9%	26.7%	8.4%	1.0%	1.3%	0.2%		0.1%																											
UnadjCity	All	1989		0.0%	4.6%	27.0%	36.4%	24.2%	5.9%	0.8%	0.8%	0.0%	0.2%	0.1%																										
UnadjCity	All	1990		0.0%	5.1%	27.0%	39.8%	20.8%	6.2%	0.7%	0.1%	0.0%	0.2%	0.0%																										
UnadjCity	All	1991		0.0%	3.5%	30.3%	36.8%	21.1%	6.4%	1.2%	0.2%	0.4%	0.1%	0.0%																										
UnadjCity	All	1992		0.0%	4.0%	33.9%	39.6%	15.4%	4.9%	1.5%	0.2%	0.4%	0.1%	0.1%																										
UnadjCity	All	1993		0.0%	3.9%	32.1%	37.9%	19.4%	5.0%	1.1%	0.1%	0.1%	0.3%	0.1%																										
UnadjCity	All	1994			5.4%	33.3%	37.2%	18.3%	4.2%	0.9%	0.2%	0.1%	0.3%	0.1%																										
UnadjCity	All	1995		0.0%	5.7%	34.5%	34.8%	17.5%	6.2%	0.8%	0.3%	0.3%	0.0%																											
UnadjCity	All	1996		0.0%	6.0%	33.8%	37.4%	15.5%	6.2%	0.8%	0.2%	0.2%																												
UnadjCity	All	1997			6.6%	35.6%	34.0%	16.5%	6.4%	0.8%	0.1%	0.1%																												
UnadjCity	All	1998			7.7%	33.4%	34.2%	17.9%	6.0%	0.6%	0.1%	0.1%																												
UnadjCity	All	1999		0.0%	8.6%	34.3%	37.4%	14.1%	5.1%	0.3%	0.1%	0.1%																												
UnadjCity	All	2000		0.0%	4.7%	36.6%	39.3%	14.4%	4.5%	0.2%	0.0%	0.1%			0.0%																										
UnadjCity	All	2001		0.0%	5.7%	37.5%	36.4%	14.6%	4.5%	1.1%	0.0%	0.1%		0.1%	0.0%	0.0%																									
UnadjCity	All	2002			3.3%	39.9%	35.5%	16.1%	4.4%	0.6%	0.0%	0.1%		0.1%	0.0%	0.0%																									
UnadjCity	All	2003		0.0%	4.7%	36.9%	35.5%	16.9%	4.9%	0.6%	0.0%	0.1%	0.2%	0.1%	0.0%	0.0%																									
UnadjCity	All	2004			4.7%	40.2%	34.5%	14.7%	4.9%	0.4%	0.1%	0.0%	0.1%		0.0%	0.3%																									
UnadjCity	All	2005		0.0%	2.5%	36.6%	36.1%	17.1%	6.1%	0.5%	0.1%	0.0%	0.2%		0.0%	0.8%																									
UnadjCity	All	2006		0.0%	1.7%	35.2%	38.4%	15.8%	7.1%	0.9%	0.0%		0.2%		0.0%	0.6%																									
UnadjCity	All	2007			1.6%	34.7%	32.4%	19.4%	8.5%	1.5%	0.5%	0.0%	0.2%			1.0%																									
UnadjCity	All	2008		0.0%	1.4%	31.3%	35.5%	18.9%	9.3%	1.6%	0.4%	0.2%	0.2%			1.2%																									
UnadjCity	All	2009			0.6%	21.4%	29.8%	29.1%	14.3%	2.7%	0.7%	0.2%	0.2%			0.9%																									
UnadjCity	All	2010		0.0%	0.3%	23.4%	26.8%	27.9%	15.8%	2.1%	0.3%	0.3%	0.5%	0.3%			2.3%		0.0%																					
UnadjCity	All	2011		0.0%	0.5%	22.7%	31.0%	30.3%	10.3%	3.0%	0.2%	0.3%	0.1%	0.2%			1.1%		0.0%				0.0%						0.0%				0.1%							
UnadjCity	All	2012		0.0%	0.4%	17.0%	28.0%	28.1%	11.8%	11.4%	0.1%	0.3%	0.3%	0.9%	0.1%		1.3%			0.0%	0.1%		0.1%		0.0%								0.1%	0.0%				0.0%			
UnadjCity	All	2013		0.0%	0.4%	15.3%	25.0%	26.3%	15.1%	13.7%	0.5%	0.3%	0.1%	0.6%	0.6%		1.4%			0.0%	0.2%			0.2%	0.1%	0.0%							0.0%			0.0%		0.2%	0.0%		0.0%	
UnadjCity	All	2014		0.0%	0.3%	14.6%	27.7%	22.4%	20.1%	10.7%	1.1%	0.3%	0.2%	0.7%	0.3%		1.0%		0.0%	0.0%	0.2%			0.2%	0.1%	0.0%	0.0%						0.0%			0.1%		0.1%	0.0%		0.0%	
UnadjCity	All	2015			0.1%	13.1%	26.2%	21.5%	22.3%	11.9%	1.8%	0.4%	0.1%	0.6%	0.0%	0.0%	1.3%				0.1%			0.1%	0.0%	0.0%	0.0%	0.1%	0.0%					0.0%			0.1%	0.0%	0.2%			0.0%	
UnadjCity	All	2016			0.0%	12.7%	24.9%	21.2%	24.2%	12.1%	2.4%	0.3%	0.2%	0.6%	0.0%	0.0%	0.1%	0.5%	0.0%		0.1%	0.0%				0.0%		0.1%	0.0%	0.1%	0.0%		0.0%				0.1%	0.1%	0.0%			0.0%	0.1%
UnadjCity	All	2017			0.0%	12.9%	23.2%	21.4%	19.2%	14.6%	3.7%	0.4%	0.3%	0.6%	0.2%	0.3%	0.3%	1.0%	0.1%			0.2%	0.1%		0.0%		0.2%	0.0%	0.1%	0.1%	0.3%	0.2%				0.0%	0.1%	0.2%	0.2%	0.1%		0.0%	0.0%

MPG Variable	Car or Truck	Model Year	0 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 to 95	95 to 100	100 to 105	105 to 110	110 to 115	115 to 120	120 to 125	125 to 130	130 to 135	135 to 140	140 to 145	145 to 150	150 to 155	155 to 160	160 to 165	165 to 170	170 to 175	175 to 180	180 to 185	185 to 190	190 to 195	195 to 200	N/A
UnadjHwy	All	1975		0.0%	14.8%	50.4%	14.6%	10.0%	6.5%	2.0%	1.6%																															
UnadjHwy	All	1976			7.5%	41.3%	30.9%	5.9%	9.5%	3.0%	2.0%																															
UnadjHwy	All	1977			3.8%	34.7%	37.9%	8.4%	6.3%	4.5%	2.9%	1.0%	0.5%																													
UnadjHwy	All	1978			7.2%	19.3%	39.1%	15.9%	9.3%	4.4%	3.2%	1.4%	0.3%																													
UnadjHwy	All	1979		0.1%	7.5%	17.8%	39.6%	15.4%	10.1%	6.8%	2.3%	0.5%	0.1%																													
UnadjHwy	All	1980			0.5%	6.1%	20.5%	30.5%	24.8%	10.6%	5.2%	0.6%	0.9%	0.2%																													
UnadjHwy	All	1981		0.0%	0.1%	2.5%	17.4%	30.3%	23.2%	13.9%	8.5%	2.4%	0.5%	1.1%																													
UnadjHwy	All	1982			0.5%	2.8%	12.9%	24.2%	21.4%	24.5%	8.0%	3.9%	1.2%	0.8%																													
UnadjHwy	All	1983			0.2%	2.9%	11.6%	32.9%	19.2%	16.1%	10.5%	4.4%	1.6%	0.3%	0.1%																													
UnadjHwy	All	1984			0.2%	3.0%	9.7%	28.6%	23.2%	20.3%	9.9%	2.6%	1.5%	0.7%	0.1%	0.1%																													
UnadjHwy	All	1985			0.1%	5.2%	5.8%	23.1%	30.0%	17.8%	11.5%	4.3%	1.3%	0.6%	0.0%	0.3%																													
UnadjHwy	All	1986			0.1%	3.5%	7.1%	19.4%	26.3%	29.2%	9.4%	2.4%	2.0%	0.2%	0.2%		0.1%	0.2%																											
UnadjHwy	All	1987			0.0%	2.6%	6.3%	18.3%	29.8%	27.7%	10.2%	3.8%	0.8%	0.1%	0.2%		0.1%																												
UnadjHwy	All	1988			0.0%	2.2%	9.6%	15.6%	24.1%	32.1%	11.0%	3.3%	1.7%		0.1%	0.0%	0.1%																												
UnadjHwy	All	1989			0.1%	1.6%	10.5%	15.3%	26.4%	32.1%	9.1%	3.4%	1.2%	0.0%	0.0%	0.2%	0.1%																												
UnadjHwy	All	1990			0.2%	1.5%	11.1%	16.9%	26.1%	33.2%	7.3%	3.0%	0.5%	0.1%	0.2%	0.0%	0.0%																												
UnadjHwy	All	1991			0.0%	1.0%	9.2%	17.9%	29.2%	26.7%	10.9%	3.8%	0.6%	0.1%	0.4%	0.1%	0.0%																												
UnadjHwy	All	1992			0.0%	0.6%	12.5%	14.7%	30.3%	28.7%	7.2%	4.1%	1.1%	0.2%	0.3%	0.0%	0.1%																												
UnadjHwy	All	1993			0.0%	0.3%	11.0%	18.6%	25.3%	28.1%	11.0%	4.0%	1.1%	0.2%	0.3%	0.0%	0.1%																												
UnadjHwy	All	1994				1.1%	14.5%	18.4%	24.2%	26.6%	8.4%	5.3%	0.9%	0.1%	0.3%		0.1%																												
UnadjHwy	All	1995			0.0%	1.0%	16.1%	11.4%	21.4%	34.0%	9.4%	5.2%	1.0%	0.2%	0.2%		0.0%																												
UnadjHwy	All	1996				0.9%	14.6%	13.4%	28.0%	29.2%	7.6%	4.8%	1.3%	0.1%	0.2%																														
UnadjHwy	All	1997				0.2%	16.4%	16.7%	22.4%	28.1%	11.4%	3.8%	0.7%	0.1%	0.1%																														
UnadjHwy	All	1998				0.0%	14.2%	17.9%	21.2%	30.6%	10.1%	5.5%	0.4%	0.0%	0.2%																														
UnadjHwy	All	1999				0.1%	17.4%	17.9%	19.1%	33.4%	8.2%	3.5%	0.3%	0.0%	0.1%																														
UnadjHwy	All	2000				0.1%	16.2%	18.9%	20.3%	32.6%	9.2%	2.3%	0.3%	0.1%	0.1%				0.0%																										
UnadjHwy	All	2001				0.1%	19.5%	16.1%	25.3%	23.9%	9.4%	3.8%	1.7%	0.2%	0.1%		0.0%		0.0%																										
UnadjHwy	All	2002				0.4%	21.4%	17.1%	20.6%	24.6%	10.7%	3.7%	1.1%	0.3%	0.1%		0.0%		0.0%																										
UnadjHwy	All	2003				0.0%	17.8%	18.8%	23.7%	21.0%	13.6%	4.2%	0.4%	0.2%	0.3%		0.0%		0.0%																										
UnadjHwy	All	2004				0.0%	20.9%	19.6%	21.7%	20.7%	12.1%	4.2%	0.2%	0.1%	0.5%		0.0%		0.0%																										
UnadjHwy	All	2005				0.1%	15.0%	18.8%	24.1%	19.5%	16.5%	4.7%	0.3%	0.1%	0.9%		0.0%		0.0%																										
UnadjHwy	All	2006				0.0%	12.8%	19.0%	24.1%	23.7%	14.1%	3.4%	2.1%	0.0%	0.8%		0.0%		0.0%																										
UnadjHwy	All	2007				0.0%	8.3%	21.7%	23.1%	21.6%	15.7%	6.4%	1.9%		1.3%																														
UnadjHwy	All	2008				0.0%	6.4%	20.1%	22.8%	23.8%	15.7%	7.4%	2.2%	0.2%	1.5%																														
UnadjHwy	All	2009				0.0%	3.0%	14.1%	19.9%	22.5%	22.1%	13.9%	2.7%	0.6%	1.1%																														
UnadjHwy	All	2010				0.0%	4.2%	14.2%	22.1%	18.6%	15.6%	18.7%	3.4%	0.6%	0.5%	2.3%			0.0%																										
UnadjHwy	All	2011		0.0%		0.1%	2.8%	15.9%	20.9%	22.2%	13.2%	18.1%	3.9%	1.5%	0.2%	1.1%		0.0%		0.0%				0.0%						0.1%	0.0%													
UnadjHwy	All	2012			0.0%	0.0%	2.1%	13.2%	14.4%	19.0%	15.2%	20.0%	8.7%	5.4%	0.2%	1.4%	0.1%	0.1%			0.0%	0.0%		0.0%	0.0%				0.1%		0.0%												
UnadjHwy	All	2013			0.0%	0.0%	1.8%	12.1%	14.5%	14.4%	19.5%	16.1%	10.8%	8.5%	0.2%	1.5%	0.1%	0.2%			0.0%			0.0%	0.1%	0.0%	0.0%		0.0%		0.0%	0.2%	0.0%										
UnadjHwy	All	2014			0.0%	0.0%	1.6%	9.5%	16.1%	17.1%	19.6%	13.4%	14.6%	5.9%	0.4%	1.1%	0.1%	0.2%		0.0%	0.0%		0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		0.1%	0.0%	0.0%	0.0%								
UnadjHwy	All	2015					0.8%	7.4%	19.8%	14.8%	16.3%	15.3%	16.5%	6.7%	0.6%	1.3%	0.0%	0.1%			0.0%			0.0%	0.0%	0.0%			0.1%		0.3%		0.1%	0.0%								
UnadjHwy	All	2016				0.0%	0.7%	7.8%	18.6%	15.2%	18.4%	15.0%	14.9%	7.1%	1.0%	0.1%	0.5%	0.0%	0.0%	0.2%		0.0%			0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%								
UnadjHwy	All	2017				0.0%	0.8%	6.9%	16.6%	16.8%	16.1%	16.6%	12.5%	8.9%	1.6%	0.2%	1.2%	0.2%	0.0%		0.4%	0.0%	0.0%			0.0%	0.1%	0.2%	0.0%	0.1%	0.3%	0.1%	0.0%	0.2%			0.1%		0.0%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	Car	1975	8237	0.806	15.8	12.3	15.2	13.5	4058		288	136		0.515	0.0331	32.3			6.5%		93.5%	19.6%	80.1%	0.3%			94.6%		5.1%		0.2%				55.4%	23.3%	21.3%
Car	Car	1976	9722	0.788	17.5	13.7	16.6	14.9	4059		287	134		0.502	0.0324	35.5			5.8%		94.2%	17.1%	82.9%				96.6%		3.2%		0.3%				55.4%	25.2%	19.4%
Car	Car	1977	11300	0.800	18.3	14.4	17.4	15.6	3944	110.4	279	133		0.516	0.0335	36.4	2091	4021	6.8%		93.2%	16.8%	83.2%				95.3%		4.2%		0.5%				51.9%	24.5%	23.5%
Car	Car	1978	11175	0.773	19.9	15.5	19.1	16.9	3588	109.0	251	124	13.7	0.538	0.0342	35.9	2240	3926	9.6%		90.4%	19.8%	73.1%	7.1%			94.0%		5.1%		0.9%				44.7%	34.4%	21.0%
Car	Car	1979	10794	0.778	20.3	15.9	19.2	17.2	3485	108.9	238	119	14.5	0.545	0.0338	35.4	2258	3878	11.9%	0.3%	87.8%	21.1%	69.7%	8.8%		0.5%	93.2%		4.7%		2.1%				43.7%	34.2%	22.1%
Car	Car	1980	9443	0.835	23.5	18.3	22.6	20.0	3101	104.2	188	100	15.5	0.583	0.0322	36.6	2507	3841	29.7%	0.9%	69.4%	30.9%	51.6%	16.8%		0.6%	88.7%		6.2%	0.7%	4.4%				54.4%	34.4%	11.3%
Car	Car	1981	8733	0.827	25.1	19.6	24.2	21.4	3076	106.5	182	99	15.6	0.594	0.0320	38.9	2744	4161	37.0%	0.7%	62.2%	29.9%	36.2%	33.3%		0.6%	85.3%		6.1%	2.6%	5.9%				51.5%	36.4%	12.2%
Car	Car	1982	7819	0.803	26.0	20.1	25.5	22.2	3054	106.1	175	99	16.6	0.609	0.0320	40.1	2836	4273	45.6%	0.8%	53.6%	29.2%	18.9%	51.4%		0.5%	78.4%		7.2%	9.8%	4.7%				56.5%	31.0%	12.5%
Car	Car	1983	8002	0.777	25.9	19.9	25.5	22.1	3112	108.7	182	104	14.8	0.615	0.0330	40.7	2904	4426	47.3%	3.1%	49.6%	26.1%	16.8%	56.7%		0.5%	69.6%		9.5%	18.9%	2.1%				53.1%	31.8%	15.1%
Car	Car	1984	10675	0.761	26.3	20.2	26.0	22.4	3099	107.5	179	106	14.5	0.637	0.0339	41.1	2910	4425	53.7%	1.0%	45.3%	24.1%	17.5%	58.3%		0.0%	58.9%		15.0%	24.4%	1.7%				57.4%	29.4%	13.2%
Car	Car	1985	10791	0.746	27.0	20.7	26.8	23.0	3093	108.2	177	111	13.9	0.671	0.0355	42.0	2992	4551	61.6%	2.1%	36.3%	22.8%	18.5%	58.7%			45.6%		21.4%	32.0%	0.9%				55.7%	28.9%	15.4%
Car	Car	1986	11015	0.717	27.9	21.2	27.6	23.7	3041	107.3	167	111	13.2	0.701	0.0360	42.6	3057	4585	71.1%	1.1%	27.9%	24.8%	17.2%	58.0%			34.5%		36.7%	28.4%	0.3%	4.8%			59.5%	27.9%	12.6%
Car	Car	1987	10731	0.722	28.1	21.2	27.7	23.8	3031	106.6	162	112	13.3	0.732	0.0365	42.8	3051	4569	77.0%	1.1%	21.9%	24.9%	15.6%	59.5%			26.8%		42.5%	30.5%	0.3%	14.7%			63.5%	24.3%	12.2%
Car	Car	1988	10736	0.702	28.6	21.4	28.2	24.1	3047	107.0	160	116	13.3	0.759	0.0375	43.7	3119	4693	81.7%	0.8%	17.5%	24.3%	9.6%	66.1%			16.3%		53.7%	30.0%	0.0%	19.9%			64.8%	22.3%	12.8%
Car	Car	1989	10018	0.693	28.1	20.9	27.9	23.7	3099	107.7	163	121	12.5	0.783	0.0387	43.8	3080	4723	82.5%	1.0%	16.5%	21.0%	9.6%	69.3%	0.1%		9.7%		62.4%	27.8%	0.0%	24.4%			58.3%	28.2%	13.5%
Car	Car	1990	8810	0.698	27.8	20.5	27.5	23.3	3176	107.1	163	129	11.4	0.829	0.0401	44.2	3014	4746	84.6%	1.0%	14.4%	19.6%	7.4%	72.9%	0.0%		1.4%		77.5%	21.1%	0.0%	33.0%	0.6%		58.6%	28.7%	12.8%
Car	Car	1991	8524	0.678	28.0	20.5	27.6	23.4	3154	106.8	163	132	11.3	0.851	0.0413	44.3	3040	4746	83.2%	1.4%	15.4%	20.5%	5.9%	73.6%	0.0%		0.0%		78.0%	21.9%	0.1%	34.1%	2.4%		61.5%	26.2%	12.3%
Car	Car	1992	8108	0.666	27.6	20.0	27.5	23.1	3240	108.4	170	141	10.7	0.868	0.0428	44.9	3040	4877	80.8%	1.1%	18.1%	17.4%	6.2%	76.4%	0.0%		0.0%		89.5%	10.4%	0.1%	35.0%	4.6%		56.5%	27.8%	15.6%
Car	Car	1993	8456	0.640	28.2	20.3	27.9	23.5	3207	108.4	166	138	10.1	0.865	0.0425	45.4	3107	4929	85.1%	1.2%	13.7%	17.8%	5.2%	77.0%	0.0%				91.6%	8.4%		36.7%	4.8%		57.2%	29.5%	13.3%
Car	Car	1994	8415	0.596	28.0	20.0	27.7	23.3	3250	108.2	168	143	9.9	0.884	0.0432	45.7	3086	4955	84.4%	0.4%	15.1%	16.7%	4.0%	79.3%					94.9%	5.1%	0.0%	41.0%	8.0%		58.5%	26.1%	15.4%
Car	Car	1995	9396	0.620	28.3	20.0	28.1	23.4	3263	108.7	167	152	9.8	0.945	0.0460	46.4	3130	5045	82.0%	1.2%	16.9%	16.3%	1.8%	81.9%					98.8%	1.2%	0.1%	52.2%	9.8%		57.3%	28.6%	14.0%
Car	Car	1996	7890	0.600	28.3	19.8	28.0	23.3	3282	109.0	165	154	10.1	0.958	0.0464	46.5	3125	5080	86.5%	1.5%	11.9%	14.9%	1.6%	83.6%	0.0%				98.8%	1.1%	0.1%	57.3%	11.7%		54.3%	32.0%	13.6%
Car	Car	1997	8334	0.576	28.4	19.8	28.0	23.4	3274	108.7	164	156	10.0	0.974	0.0469	46.7	3127	5076	86.5%	1.7%	11.7%	13.5%	0.6%	85.8%	0.1%				99.1%	0.8%	0.1%	58.6%	11.3%		55.1%	30.6%	14.3%
Car	Car	1998	7971	0.551	28.5	19.7	28.0	23.4	3306	108.6	164	159	10.2	0.993	0.0475	47.3	3138	5145	87.0%	2.3%	10.7%	12.3%	0.4%	87.3%	0.1%				99.7%	0.1%	0.2%	61.4%	18.4%		49.4%	39.1%	11.4%
Car	Car	1999	8376	0.551	28.2	19.4	27.5	23.0	3365	109.1	166	164	10.1	1.009	0.0481	47.5	3106	5191	87.2%	2.2%	10.6%	10.9%	0.6%	88.4%	0.0%				99.7%	0.1%	0.2%	64.7%	17.1%		47.7%	39.7%	12.6%
Car	Car	2000	9125	0.551	28.2	19.3	27.3	22.9	3369	109.6	165	168	9.5	1.032	0.0492	47.6	3121	5224	84.9%	2.1%	13.0%	11.2%	1.1%	87.7%	0.0%				99.7%	0.1%	0.2%	65.1%	23.4%	0.1%	47.5%	34.3%	18.2%
Car	Car	2001	8405	0.539	28.4	19.4	27.3	23.0	3380	109.3	165	168	9.3	1.042	0.0492	48.4	3159	5292	84.1%	3.2%	12.6%	11.4%	0.9%	87.5%	0.2%				99.7%		0.3%	67.3%	28.3%	0.2%	50.8%	32.3%	16.8%
Car	Car	2002	8301	0.515	28.6	19.4	27.2	23.1	3391	110.0	166	173	9.3	1.066	0.0504	48.9	3200	5382	84.9%	3.8%	11.2%	11.2%	0.2%	88.2%	0.4%				99.6%		0.4%	69.9%	33.9%	0.3%	48.6%	36.3%	15.1%
Car	Car	2003	7921	0.502	29.0	19.5	27.5	23.3	3417	109.6	165	176	9.1	1.087	0.0510	49.9	3237	5481	82.0%	3.5%	14.5%	11.2%		87.9%	0.9%				99.6%		0.4%	73.8%	41.3%	0.6%	50.6%	33.5%	15.9%
Car	Car	2004	7537	0.480	28.9	19.3	27.4	23.1	3462	110.4	168	183	9.0	1.106	0.0521	50.5	3261	5587	80.8%	5.4%	13.7%	10.2%	0.3%	88.2%	1.4%				99.7%		0.3%	77.3%	44.2%	0.9%	47.4%	35.6%	17.0%
Car	Car	2005	8027	0.505	29.5	19.6	27.6	23.5	3463	111.4	166	182	8.9	1.115	0.0518	51.8	3384	5790	79.8%	5.8%	14.5%	9.3%	0.1%	88.0%	2.6%				99.6%		0.4%	78.2%	51.6%	2.1%	44.2%	38.9%	16.9%
Car	Car	2006	7993	0.529	29.2	19.4	27.5	23.3	3534	111.5	172	194	8.7	1.146	0.0540	52.4	3351	5855	75.8%	5.8%	18.5%	9.4%	0.1%	88.1%	2.4%				99.4%		0.6%	80.8%	60.6%	1.5%	46.2%	32.9%	20.9%
Car	Car	2007	8082	0.529	30.3	20.1	28.3	24.1	3507	110.2	165	189	8.8	1.157	0.0531	54.2	3468	5994	80.5%	5.7%	13.8%	8.5%	0.0%	81.1%	10.4%			0.3%	99.6%		0.0%	84.8%	65.2%	3.4%	44.6%	40.0%	15.4%
Car	Car	2008	7319	0.527	30.5	20.2	28.5	24.3	3527	109.9	165	193	8.8	1.178	0.0536	54.9	3490	6056	77.7%	7.3%	15.0%	8.0%	0.3%	80.2%	11.5%			3.2%	96.8%		0.1%	87.8%	63.5%	3.4%	44.6%	35.8%	19.5%
Car	Car	2009	5636	0.605	32.1	21.3	29.6	25.3	3464	110.0	155	184	8.9	1.190	0.0520	56.5	3645	6228	82.6%	6.7%	10.7%	6.8%	0.4%	82.0%	10.8%			4.5%	94.8%		0.7%	92.0%	79.7%	3.0%	47.6%	35.4%	17.0%
Car	Car	2010	6061	0.545	33.2	22.0	30.5	26.2	3474	110.5	156	187	8.8	1.197	0.0527	59.8	3864	6632	81.6%	5.9%	12.5%	5.7%	1.9%	77.6%	14.8%			6.6%	92.4%		1.0%	92.9%	90.5%	6.2%	48.8%	37.4%	13.7%
Car	Car	2011	5743	0.478	32.9	21.6	30.3	25.8	3559	111.1	159	199	8.5	1.252	0.0547	60.3	3824	6717	78.3%	8.4%	13.4%	5.4%	0.6%	81.2%	12.8%			16.4%	82.3%		1.1%	93.4%	93.7%	4.0%	38.5%	43.4%	18.1%
Car	Car	2012	7393	0.550	35.4	23.3	32.1	27.6	3452	110.6	148	189	8.6	1.279	0.0536	63.3	4111	7018	84.1%	6.2%	9.6%	5.6%	2.1%	76.7%	15.7%			25.4%	73.2%		1.2%	98.0%	97.4%	5.8%			
Car	Car	2013	8226	0.541	36.4	24.0	32.9	28.4	3465	110.3	145	194	8.4	1.343	0.0548	66.4	4273	7351	81.6%	7.7%	10.7%	5.6%	2.6%	72.2%	19.6%			35.3%	62.8%		1.3%	97.6%	97.2%	6.9%			
Car	Car	2014	7639	0.492	36.6	24.0	32.9	28.4	3497	110.9	146	197	8.4	1.353	0.0551	67.0	4307	7452	79.3%	8.2%	12.5%	4.7%	3.2%	63.9%	28.2%			40.8%	57.1%		1.6%	97.2%	96.8%	5.8%			
Car	Car	2015	7899	0.472	37.5	24.5	33.7	29.0	3489	111.5	145	196	8.3	1.360	0.0550	69.1	4471	7732	78.3%	10.3%	11.5%	4.6%	2.8%	60.6%	32.0%			42.2%	55.8%		1.0%	97.0%	97.1%	5.3%			
Car	Car	2016	7130	0.438	37.8	24.7	34.0	29.2	3468	111.7	142	197	8.3	1.402	0.0556	69.3	4514	7769	78.4%	10.4%	11.2%	4.1%	4.8%	60.7%	30.3%			49.7%	49.4%		0.1%	97.2%	98.9%	4.0%			
Car	Car	2017	-	0.472	39.1	25.6	34.5	30.0	3490	111.9	139	195	8.3	1.415	0.0546	74.8	4838	8404	76.8%	12.2%	11.0%	4.8%	5.1%	54.8%	35.3%			52.4%	45.8%		0.2%	96.8%	97.8%	7.5%			

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	Car SUV	1975	10	0.001	13.1	10.1	12.6	11.1	4000		262	113		0.430	0.0282	26.5					100.0%	68.3%	31.7%				100.0%										
Car	Car SUV	1976	11	0.001	12.4	9.4	12.5	10.6	3986		263	123		0.467	0.0309	25.9					100.0%	69.1%	30.9%				100.0%										
Car	Car SUV	1977	19	0.001	14.3	11.2	13.6	12.2	4000		261	124		0.477	0.0311	29.5					100.0%	82.5%	17.5%				100.0%										
Car	Car SUV	1978	16	0.001	13.6	10.4	13.5	11.6	4000		262	126	14.2	0.481	0.0315	27.9					100.0%	84.2%	15.8%				100.0%										
Car	Car SUV	1979	16	0.001	16.8	13.9	14.8	14.3	3271		185	99	16.4	0.576	0.0300	27.8					100.0%	37.7%	58.3%	3.9%			100.0%										
Car	Car SUV	1980	0	0.000	17.2	13.9	15.5	14.6	4000		280	122	16.1	0.436	0.0305	34.6					100.0%	3.9%	9.4%	86.8%			100.0%										
Car	Car SUV	1981	0	0.000	17.3	13.7	16.1	14.7	4000		318	140	14.3	0.440	0.0350	34.5					100.0%			100.0%			100.0%										
Car	Car SUV	1982	13	0.001	23.4	20.2	19.3	19.8	2630		159	88	17.3	0.557	0.0335	30.7					100.0%	4.6%	86.5%	8.9%			100.0%										
Car	Car SUV	1983	34	0.003	24.3	19.5	22.4	20.7	3124		163	101	15.4	0.617	0.0325	38.4					100.0%	19.3%	37.6%	43.2%			100.0%										
Car	Car SUV	1984	55	0.004	22.6	17.5	22.1	19.3	3487		179	109	15.2	0.615	0.0313	39.7					100.0%	19.4%	15.8%	64.8%			100.0%										
Car	Car SUV	1985	88	0.006	23.5	17.6	24.2	20.1	3469		171	109	15.1	0.637	0.0314	40.8					100.0%	15.9%		84.1%			94.7%			5.3%							
Car	Car SUV	1986	59	0.004	22.3	17.1	21.7	18.9	3479		170	121	13.5	0.713	0.0348	38.9					100.0%	18.1%		81.9%			13.1%		0.0%	86.8%	0.0%						
Car	Car SUV	1987	95	0.006	22.9	17.1	23.1	19.4	3492		179	131	13.0	0.730	0.0374	40.0					100.0%	14.3%		85.7%					32.8%	67.2%							
Car	Car SUV	1988	109	0.007	22.7	17.1	22.5	19.2	3495		199	142	12.4	0.719	0.0405	39.9					100.0%	24.6%		75.4%					48.2%	51.8%							
Car	Car SUV	1989	108	0.007	22.7	17.1	22.1	19.1	3497		226	148	11.4	0.668	0.0422	39.8					100.0%	27.4%		72.6%			1.4%		44.7%	53.9%							
Car	Car SUV	1990	65	0.005	22.5	16.9	21.5	18.8	3518		209	146	10.9	0.714	0.0415	39.6					100.0%	35.1%	1.8%	63.0%			5.1%		63.3%	31.6%							
Car	Car SUV	1991	224	0.018	21.8	16.4	20.5	18.2	3733		215	145	11.8	0.680	0.0385	40.7					100.0%	22.2%	0.1%	77.7%			0.8%		49.3%	49.9%							
Car	Car SUV	1992	243	0.020	21.4	16.1	20.1	17.8	3713		210	153	11.1	0.734	0.0409	39.9					100.0%	24.6%		75.4%			1.2%		68.4%	30.3%							
Car	Car SUV	1993	473	0.036	20.4	15.0	19.6	17.0	3848		238	179	9.5	0.757	0.0462	39.5					100.0%	10.9%		89.1%			0.7%		90.6%	8.7%							
Car	Car SUV	1994	332	0.023	21.8	16.1	20.5	18.0	3735		209	163	9.9	0.791	0.0434	40.6			2.6%		97.4%	21.5%	7.6%	70.9%					92.1%	7.9%		11.5%					
Car	Car SUV	1995	220	0.015	21.5	15.7	20.5	17.8	3763		214	165	10.2	0.783	0.0436	40.6			0.1%		99.9%	17.4%		82.6%					90.8%	9.2%		19.1%					
Car	Car SUV	1996	287	0.022	22.4	16.2	21.1	18.4	3710		215	167	10.3	0.802	0.0448	41.7			6.3%		93.7%	15.4%		84.6%					100.0%			32.4%					
Car	Car SUV	1997	361	0.025	23.5	17.1	21.7	19.2	3549		190	159	10.4	0.875	0.0446	41.9			20.3%		79.7%	23.2%	6.1%	70.7%					100.0%			54.6%					
Car	Car SUV	1998	454	0.031	22.3	16.0	20.8	18.2	3824		218	168	10.6	0.802	0.0439	42.8			10.3%		89.7%	11.1%		88.9%					100.0%			29.2%					
Car	Car SUV	1999	488	0.032	22.7	16.3	21.0	18.5	3831		211	170	10.5	0.846	0.0442	43.7			15.4%		84.6%	8.4%		91.6%					100.0%			38.4%	4.6%				
Car	Car SUV	2000	617	0.037	22.0	15.7	20.3	17.9	3870		211	174	10.0	0.857	0.0448	42.8			12.7%		87.3%	5.7%		94.3%					100.0%			34.0%	5.0%				
Car	Car SUV	2001	743	0.048	23.3	16.4	21.4	18.8	3765		194	180	9.6	0.961	0.0477	44.2			37.1%		62.9%	6.2%		93.8%					100.0%			43.1%	10.0%				
Car	Car SUV	2002	602	0.037	24.0	16.7	22.0	19.3	3747		183	179	9.8	1.003	0.0479	45.3			55.5%		44.5%	7.5%		92.4%	0.1%				100.0%			70.3%	18.3%				
Car	Car SUV	2003	575	0.036	24.8	17.2	22.7	19.9	3716		181	181	9.5	1.014	0.0486	46.4			65.9%		34.1%	7.2%		84.4%	8.5%				100.0%			68.1%	19.6%				
Car	Car SUV	2004	639	0.041	24.9	17.0	23.1	20.0	3854		191	198	9.2	1.039	0.0511	48.2			72.9%	3.4%	23.7%	5.8%		87.9%	6.3%				100.0%			75.5%	37.9%				
Car	Car SUV	2005	813	0.051	25.4	17.3	23.2	20.2	3848		186	192	9.3	1.040	0.0498	49.0			74.0%	14.5%	11.5%	3.7%		91.9%	4.5%				100.0%			67.5%	27.3%	0.5%			
Car	Car SUV	2006	751	0.050	25.7	17.5	23.5	20.5	3876		184	192	9.4	1.051	0.0493	50.0			77.7%	8.6%	13.7%	3.1%		91.7%	5.2%				100.0%			86.8%	33.4%	1.1%			
Car	Car SUV	2007	919	0.060	25.9	17.6	23.8	20.6	3935		185	208	9.1	1.127	0.0524	51.2			85.4%	4.7%	10.0%	1.6%		94.5%	3.9%				100.0%			82.7%	46.8%	1.6%			
Car	Car SUV	2008	924	0.066	26.6	18.1	24.4	21.2	3902		179	204	9.2	1.141	0.0518	52.4			87.0%	5.3%	7.6%	0.7%		93.6%	5.7%			2.2%	97.8%			89.6%	56.4%	2.3%			
Car	Car SUV	2009	608	0.065	27.8	18.8	25.3	22.0	3846		175	206	8.7	1.174	0.0534	53.9			92.2%	2.8%	5.0%	0.6%		85.9%	13.5%			1.3%	98.7%			94.1%	73.7%	2.7%			
Car	Car SUV	2010	915	0.082	29.1	19.6	26.5	23.0	3949		172	213	8.7	1.240	0.0538	57.8			88.4%	8.9%	2.8%	0.2%		91.5%	8.3%			26.2%	73.8%			100.0%	99.9%	1.4%			
Car	Car SUV	2011	1207	0.100	29.9	20.0	27.1	23.5	3890		166	207	8.8	1.243	0.0530	58.4			88.8%	9.7%	1.5%	0.5%		91.5%	8.0%			27.6%	72.4%			100.0%	99.8%	0.6%			
Car	Car SUV	2012	1265	0.094	29.6	19.8	26.8	23.3	3915		167	211	8.7	1.260	0.0536	58.6			81.6%	14.5%	3.9%	0.4%		88.4%	11.2%			39.5%	60.4%			98.0%	98.0%	0.4%			
Car	Car SUV	2013	1514	0.100	31.1	20.7	28.1	24.3	3966		161	214	8.7	1.351	0.0534	62.1			90.6%	7.8%	1.6%	0.3%		89.8%	9.8%			47.8%	52.2%			99.9%	99.9%	0.3%			
Car	Car SUV	2014	1566	0.101	31.4	20.8	28.1	24.4	3865		154	204	8.8	1.347	0.0523	61.0			91.0%	7.7%	1.3%	0.7%		90.0%	9.4%			51.8%	48.1%			99.9%	99.9%	0.1%			
Car	Car SUV	2015	1701	0.102	32.3	21.5	28.8	25.1	3868		153	202	8.8	1.339	0.0519	62.9			90.5%	8.1%	1.4%	0.6%	0.0%	79.4%	20.1%			52.8%	47.2%			100.0%	100.0%	0.3%			
Car	Car SUV	2016	1870	0.115	33.8	22.6	29.8	26.2	3782		142	194	8.9	1.372	0.0508	66.2			85.4%	13.4%	1.2%	0.7%	3.9%	68.6%	26.8%			49.0%	50.0%			99.1%	99.1%	0.0%			
Car	Car SUV	2017	-	0.110	33.6	22.4	29.7	26.0	3913		141	211	8.7	1.456	0.0528	70.5			84.8%	14.4%	0.8%	0.5%	5.0%	78.9%	15.5%			56.0%	41.9%			97.9%	97.9%	0.2%			

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	All	1975	8247	0.807	15.8	12.3	15.2	13.5	4057		288	136		0.515	0.0331	32.3			6.5%		93.5%	19.7%	80.0%	0.3%			94.6%		5.1%		0.2%						
Car	All	1976	9734	0.789	17.5	13.7	16.6	14.9	4059		287	134		0.502	0.0324	35.5			5.8%		94.2%	17.2%	82.8%				96.6%		3.2%		0.3%						
Car	All	1977	11318	0.801	18.3	14.4	17.4	15.6	3944		279	133		0.516	0.0335	36.4			6.8%		93.2%	16.9%	83.1%				95.3%		4.2%		0.5%						
Car	All	1978	11191	0.775	19.9	15.5	19.1	16.9	3588		251	124	13.7	0.538	0.0342	35.9			9.6%		90.4%	19.9%	73.0%	7.1%			94.0%		5.1%		0.9%						
Car	All	1979	10810	0.779	20.2	15.9	19.2	17.2	3485		238	119	14.5	0.545	0.0338	35.4			11.9%	0.3%	87.8%	21.1%	69.6%	8.8%		0.5%	93.2%		4.7%		2.1%						
Car	All	1980	9444	0.835	23.5	18.3	22.6	20.0	3101		188	100	15.5	0.583	0.0322	36.6			29.7%	0.9%	69.4%	30.9%	51.6%	16.8%		0.6%	88.7%		6.2%	0.7%	4.4%						
Car	All	1981	8734	0.828	25.1	19.5	24.2	21.4	3076		182	99	15.6	0.594	0.0320	38.9			37.0%	0.7%	62.2%	29.9%	36.2%	33.3%		0.6%	85.3%		6.1%	2.6%	5.9%						
Car	All	1982	7832	0.805	26.0	20.1	25.5	22.2	3053		175	99	16.6	0.609	0.0320	40.1			45.6%	0.8%	53.6%	29.2%	19.1%	51.3%		0.5%	78.4%		7.2%	9.8%	4.7%						
Car	All	1983	8035	0.780	25.9	19.9	25.5	22.1	3112		182	104	14.8	0.615	0.0330	40.7			47.1%	3.1%	49.9%	26.0%	16.8%	56.7%		0.5%	69.7%		9.4%	18.8%	2.1%						
Car	All	1984	10730	0.765	26.3	20.2	25.9	22.4	3101		179	106	14.5	0.637	0.0338	41.1			53.5%	1.0%	45.5%	24.1%	17.5%	58.3%		0.0%	59.1%		14.9%	24.3%	1.7%						
Car	All	1985	10879	0.752	26.9	20.6	26.7	23.0	3096		177	111	13.9	0.671	0.0354	41.9			61.1%	2.1%	36.8%	22.8%	18.4%	58.9%			46.0%		21.3%	31.8%	0.9%						
Car	All	1986	11074	0.721	27.9	21.2	27.6	23.7	3043		167	111	13.2	0.701	0.0360	42.6			70.7%	1.0%	28.2%	24.7%	17.1%	58.1%			34.4%		36.5%	28.7%	0.3%	4.7%					
Car	All	1987	10826	0.728	28.0	21.2	27.7	23.8	3035		162	113	13.3	0.732	0.0365	42.7			76.4%	1.1%	22.6%	24.8%	15.5%	59.7%			26.5%		42.4%	30.8%	0.2%	14.6%					
Car	All	1988	10845	0.709	28.5	21.4	28.1	24.1	3051		161	116	13.3	0.758	0.0375	43.7			80.9%	0.8%	18.3%	24.3%	9.5%	66.2%			16.1%		53.7%	30.2%	0.0%	19.7%					
Car	All	1989	10126	0.701	28.1	20.8	27.8	23.6	3104		163	121	12.5	0.782	0.0387	43.7			81.6%	1.0%	17.4%	21.1%	9.5%	69.3%	0.1%		9.6%		62.2%	28.1%	0.0%	24.1%					
Car	All	1990	8875	0.704	27.7	20.4	27.4	23.3	3178		163	129	11.4	0.829	0.0401	44.2			84.0%	1.0%	15.0%	19.8%	7.4%	72.8%	0.0%		1.4%		77.4%	21.2%	0.0%	32.8%	0.6%				
Car	All	1991	8747	0.696	27.8	20.4	27.4	23.3	3168		164	133	11.3	0.847	0.0413	44.2			81.1%	1.3%	17.5%	20.6%	5.7%	73.7%	0.0%		0.1%		77.2%	22.6%	0.1%	33.2%	2.4%				
Car	All	1992	8350	0.686	27.4	19.8	27.2	22.9	3254		171	141	10.8	0.864	0.0427	44.7			78.4%	1.1%	20.5%	17.6%	6.0%	76.4%	0.0%		0.0%		88.9%	11.0%	0.1%	34.0%	4.4%				
Car	All	1993	8929	0.676	27.6	19.9	27.3	23.0	3241		170	140	10.1	0.859	0.0427	45.1			80.6%	1.1%	18.3%	17.5%	4.9%	77.6%	0.0%		0.0%		91.5%	8.5%		34.8%	4.5%				
Car	All	1994	8747	0.619	27.7	19.8	27.4	23.0	3268		169	144	9.9	0.880	0.0432	45.5			81.3%	0.4%	18.3%	16.9%	4.1%	78.9%					94.8%	5.2%	0.0%	39.9%	7.7%				
Car	All	1995	9616	0.635	28.1	19.8	27.9	23.3	3274		168	153	9.8	0.941	0.0460	46.2			80.1%	1.1%	18.8%	16.3%	1.8%	81.9%					98.6%	1.3%	0.1%	51.4%	9.6%				
Car	All	1996	8177	0.622	28.0	19.7	27.6	23.1	3297		167	155	10.1	0.952	0.0463	46.4			83.7%	1.4%	14.8%	14.9%	1.5%	83.6%	0.0%				98.8%	1.1%	0.1%	56.4%	11.3%				
Car	All	1997	8695	0.601	28.2	19.7	27.6	23.2	3285		165	156	10.0	0.970	0.0468	46.5			83.8%	1.7%	14.5%	13.9%	0.8%	85.2%	0.1%				99.2%	0.8%	0.1%	58.4%	10.8%				
Car	All	1998	8425	0.583	28.1	19.5	27.5	23.0	3334		167	160	10.2	0.983	0.0473	47.1			82.9%	2.1%	15.0%	12.2%	0.3%	87.4%	0.1%				99.7%	0.1%	0.2%	59.6%	17.4%				
Car	All	1999	8865	0.583	27.8	19.2	27.0	22.7	3390		168	164	10.1	1.000	0.0479	47.3			83.2%	2.1%	14.7%	10.8%	0.6%	88.6%	0.0%				99.8%	0.1%	0.2%	63.2%	16.4%				
Car	All	2000	9742	0.588	27.7	19.0	26.7	22.5	3401		168	168	9.5	1.021	0.0489	47.3			80.4%	2.0%	17.7%	10.8%	1.0%	88.1%	0.0%				99.7%	0.1%	0.2%	63.2%	22.2%	0.1%			
Car	All	2001	9148	0.586	27.9	19.1	26.7	22.6	3411		167	169	9.4	1.035	0.0491	48.0			80.3%	3.0%	16.7%	11.0%	0.8%	88.0%	0.2%				99.8%		0.2%	65.3%	26.9%	0.2%			
Car	All	2002	8903	0.552	28.3	19.2	26.8	22.8	3415		167	173	9.4	1.061	0.0502	48.6			82.9%	3.6%	13.5%	10.9%	0.2%	88.4%	0.4%				99.6%		0.4%	69.9%	32.8%	0.3%			
Car	All	2003	8496	0.539	28.7	19.3	27.1	23.0	3437		166	176	9.1	1.082	0.0508	49.7			80.9%	3.2%	15.9%	10.9%		87.7%	1.4%				99.7%		0.3%	73.4%	39.8%	0.6%			
Car	All	2004	8176	0.520	28.5	19.1	27.0	22.9	3492		170	184	9.0	1.101	0.0520	50.3			80.2%	5.3%	14.5%	9.8%	0.2%	88.2%	1.7%				99.7%		0.3%	77.1%	43.7%	0.9%			
Car	All	2005	8839	0.556	29.1	19.4	27.2	23.1	3498		168	183	9.0	1.108	0.0516	51.5			79.2%	6.6%	14.2%	8.8%	0.1%	88.4%	2.8%				99.6%		0.4%	77.2%	49.4%	1.9%			
Car	All	2006	8744	0.579	28.9	19.2	27.1	23.0	3563		173	194	8.8	1.138	0.0536	52.2			75.9%	6.0%	18.0%	8.8%	0.1%	88.4%	2.7%				99.4%		0.6%	81.3%	58.2%	1.5%			
Car	All	2007	9001	0.589	29.8	19.8	27.8	23.7	3551		167	191	8.9	1.154	0.0530	53.9			81.0%	5.6%	13.4%	7.8%	0.0%	82.5%	9.7%			0.3%	99.7%		0.0%	84.6%	63.3%	3.2%			
Car	All	2008	8243	0.593	30.1	20.0	28.0	23.9	3569		166	194	8.9	1.174	0.0534	54.6			78.8%	7.1%	14.1%	7.2%	0.3%	81.7%	10.8%			3.1%	96.9%		0.1%	88.0%	62.7%	3.3%			
Car	All	2009	6244	0.670	31.6	21.0	29.2	25.0	3502		157	186	8.9	1.189	0.0522	56.3			83.5%	6.3%	10.2%	6.2%	0.3%	82.4%	11.1%			4.2%	95.2%		0.6%	92.2%	79.1%	2.9%			
Car	All	2010	6976	0.628	32.6	21.7	29.9	25.7	3536		158	190	8.8	1.203	0.0528	59.6			82.5%	6.3%	11.2%	5.0%	1.6%	79.4%	14.0%			9.2%	89.9%		0.9%	93.8%	91.8%	5.6%			
Car	All	2011	6949	0.578	32.3	21.3	29.6	25.4	3617		160	200	8.6	1.250	0.0544	60.0			80.1%	8.6%	11.3%	4.6%	0.5%	83.0%	12.0%			18.4%	80.6%		0.9%	94.5%	94.8%	3.4%			
Car	All	2012	8659	0.644	34.4	22.7	31.2	26.9	3519		150	192	8.6	1.276	0.0536	62.6			83.8%	7.5%	8.8%	4.9%	1.8%	78.4%	15.0%			27.4%	71.3%		1.0%	98.0%	97.5%	5.1%			
Car	All	2013	9740	0.641	35.5	23.4	32.1	27.7	3543		147	197	8.5	1.345	0.0546	65.7			83.0%	7.7%	9.3%	4.8%	2.2%	75.0%	18.1%			37.3%	61.1%		1.1%	98.0%	97.6%	5.9%			
Car	All	2014	9205	0.593	35.6	23.4	32.0	27.6	3559		148	198	8.4	1.352	0.0546	66.0			81.3%	8.2%	10.6%	4.0%	2.7%	68.4%	25.0%			42.7%	55.5%		1.3%	97.6%	97.3%	4.8%			
Car	All	2015	9601	0.574	36.5	23.9	32.7	28.2	3556		146	197	8.4	1.356	0.0544	68.0			80.4%	9.9%	9.7%	3.9%	2.3%	63.9%	29.9%			44.0%	54.3%		0.8%	97.6%	97.6%	4.4%			
Car	All	2016	9000	0.553	36.9	24.2	33.0	28.5	3533		142	196	8.4	1.396	0.0546	68.7			79.8%	11.0%	9.1%	3.4%	4.7%	62.4%	29.6%			49.6%	49.5%		0.1%	97.6%	99.0%	3.2%			
Car	All	2017	-	0.581	37.9	24.9	33.4	29.1	3570		139	198	8.3	1.423	0.0542	74.0			78.3%	12.6%	9.1%	4.0%	5.1%	59.4%	31.5%			53.0%	45.0%		0.2%	97.0%	97.8%	6.1%			

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering									Vehicle Size				
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck	Van	1975	457	0.045	13.1	10.6	11.9	11.1	4196		318	143		0.448	0.0341	28.1					100.0%	23.3%	76.7%				99.8%			0.2%								
Truck	Van	1976	502	0.041	13.9	11.1	12.8	11.8	4200		324	146		0.447	0.0347	29.7					100.0%	20.5%	79.5%				99.7%			0.3%								
Truck	Van	1977	514	0.036	14.7	11.9	13.3	12.5	4252		332	152		0.458	0.0359	31.7					100.0%	14.3%	85.7%				99.6%			0.4%								
Truck	Van	1978	625	0.043	14.2	11.6	12.7	12.1	4250		329	149	13.4	0.453	0.0351	30.8					100.0%	13.0%	87.0%				99.6%			0.4%								
Truck	Van	1979	481	0.035	13.5	11.1	12.1	11.5	4541		322	144	15.5	0.451	0.0317	31.3					100.0%	14.8%	78.4%	6.8%			98.2%			1.8%								
Truck	Van	1980	242	0.021	16.6	13.3	15.4	14.1	4353		288	131	16.5	0.459	0.0299	36.4					100.0%	26.0%	35.0%	39.0%			93.5%			6.5%								
Truck	Van	1981	245	0.023	17.5	14.0	16.0	14.8	4324		284	129	16.5	0.458	0.0298	38.0			0.3%		99.7%	21.9%	31.4%	46.6%			95.4%			4.6%								
Truck	Van	1982	311	0.032	17.3	13.9	15.9	14.7	4342		287	132	17.6	0.463	0.0303	38.0					100.0%	15.7%	38.5%	45.8%			95.2%			3.0%	1.8%							
Truck	Van	1983	383	0.037	17.7	14.1	16.5	15.1	4414		294	136	15.7	0.466	0.0307	39.7			0.2%		99.8%	12.0%	28.6%	59.3%			92.0%			3.5%	4.5%							
Truck	Van	1984	676	0.048	18.9	15.0	17.7	16.1	4075		249	126	15.9	0.538	0.0307	39.3			22.3%		77.7%	15.5%	39.0%	45.6%		0.0%	89.0%		6.6%	3.1%	1.2%							
Truck	Van	1985	855	0.059	19.5	15.5	18.1	16.5	3975		236	129	15.3	0.578	0.0322	39.3			30.4%	0.3%	69.3%	10.0%	42.7%	47.4%			90.4%		6.3%	2.9%	0.3%							
Truck	Van	1986	1044	0.068	20.6	16.1	19.4	17.5	3998		228	127	14.7	0.588	0.0317	41.5			24.4%	1.3%	74.3%	8.5%	31.4%	60.1%			61.5%		21.8%	16.3%	0.4%							
Truck	Van	1987	1114	0.075	20.9	16.2	19.8	17.7	3972		226	142	13.9	0.657	0.0356	41.7			27.5%	1.9%	70.5%	6.4%	25.7%	67.6%		0.2%	23.9%		45.8%	30.2%	0.1%							
Truck	Van	1988	1133	0.074	21.2	16.2	20.3	17.9	4053		229	147	13.9	0.671	0.0363	43.2			36.3%	0.8%	63.0%	3.7%	17.6%	78.7%			0.2%		56.9%	42.8%	0.1%							
Truck	Van	1989	1278	0.088	21.1	16.1	20.2	17.8	4057		225	146	13.4	0.680	0.0360	43.2			34.4%	0.7%	64.9%	2.9%	20.5%	76.5%		0.0%			58.1%	41.8%	0.1%							
Truck	Van	1990	1262	0.100	21.2	16.0	20.4	17.8	4095		225	149	12.5	0.682	0.0363	43.8			46.8%	6.6%	46.7%	1.8%	4.7%	93.5%		0.0%			58.1%	41.9%	0.1%							
Truck	Van	1991	1034	0.082	21.4	16.0	20.5	17.9	4133		220	149	12.7	0.701	0.0359	44.5			38.2%	10.9%	50.9%	1.4%	2.1%	96.5%					63.3%	36.6%	0.1%							
Truck	Van	1992	1221	0.100	21.5	15.9	20.5	17.9	4151		222	152	12.2	0.705	0.0366	44.8			45.4%	5.5%	49.1%	1.6%	2.0%	96.4%					71.9%	28.1%	0.1%							
Truck	Van	1993	1441	0.109	21.9	16.0	21.0	18.2	4105		218	155	11.2	0.730	0.0378	45.0			49.8%	4.5%	45.6%	1.2%	1.7%	97.2%					79.0%	21.0%								
Truck	Van	1994	1418	0.100	21.5	15.7	20.5	17.8	4156		226	159	11.0	0.721	0.0384	44.9			52.3%	6.4%	41.3%	0.5%	2.1%	97.4%					81.2%	18.8%		3.5%						
Truck	Van	1995	1662	0.110	21.8	15.8	21.0	18.1	4110		231	159	11.2	0.708	0.0387	45.0			61.3%	9.1%	29.6%	0.1%	1.6%	98.2%					87.4%	12.6%		4.5%						
Truck	Van	1996	1409	0.107	22.2	15.9	21.4	18.3	4195		220	171	11.3	0.790	0.0408	46.8			73.8%	2.3%	23.9%	0.0%	1.6%	98.4%					100.0%			5.7%						
Truck	Van	1997	1265	0.088	22.1	15.7	21.2	18.2	4240		220	174	11.2	0.802	0.0410	46.9			64.8%	4.7%	30.6%		0.4%	99.6%					100.0%			6.3%						
Truck	Van	1998	1489	0.103	22.7	16.0	22.0	18.7	4183		217	180	11.1	0.840	0.0431	47.7			78.3%	3.2%	18.4%			100.0%					100.0%			10.4%						
Truck	Van	1999	1463	0.096	22.3	15.6	21.5	18.3	4306		223	183	11.1	0.832	0.0424	48.1			76.0%	2.7%	21.3%			100.0%					100.0%			12.5%	8.2%					
Truck	Van	2000	1691	0.102	22.8	15.9	21.8	18.6	4276		217	183	10.6	0.858	0.0428	48.9			80.6%	2.7%	16.7%			100.0%					100.0%			21.6%	15.0%					
Truck	Van	2001	1232	0.079	22.1	15.3	21.1	18.0	4518		229	202	10.1	0.897	0.0447	50.3			69.3%	8.7%	22.1%			100.0%					100.0%			22.6%	17.0%					
Truck	Van	2002	1243	0.077	23.1	15.9	21.9	18.7	4394		218	199	10.1	0.929	0.0455	50.9			84.3%	3.0%	12.6%			100.0%					100.0%			28.4%	20.9%					
Truck	Van	2003	1232	0.078	23.5	16.0	22.2	19.0	4393		219	202	10.0	0.929	0.0459	51.7			83.5%	5.0%	11.4%			100.0%					100.0%			25.8%	19.6%					
Truck	Van	2004	953	0.061	23.7	16.0	22.7	19.2	4487		219	214	9.7	0.988	0.0477	53.4			86.6%	4.9%	8.5%			100.0%					100.0%			52.3%	46.1%					
Truck	Van	2005	1481	0.093	24.0	16.1	22.8	19.3	4430		216	209	9.7	0.976	0.0472	53.2			89.2%	5.5%	5.4%			94.9%	5.1%				100.0%			38.0%	25.0%					
Truck	Van	2006	1166	0.077	24.3	16.2	23.1	19.5	4475		216	211	9.7	0.984	0.0472	54.4			89.8%	4.5%	5.7%			95.3%	4.7%				100.0%			46.8%	36.4%					
Truck	Van	2007	847	0.055	24.2	16.1	23.1	19.5	4479		219	225	9.4	1.034	0.0503	54.3			93.8%	2.9%	3.3%			95.5%	4.5%				100.0%			53.1%	48.7%					
Truck	Van	2008	790	0.057	24.6	16.4	23.5	19.8	4527		220	221	9.6	1.010	0.0488	55.9			92.9%	4.0%	3.1%	0.1%		99.9%					100.0%			52.8%	48.1%					
Truck	Van	2009	368	0.040	25.0	16.7	23.7	20.1	4572		215	220	9.4	1.033	0.0482	57.2			94.1%	2.5%	3.4%	0.3%		99.7%					100.0%			58.9%	47.1%					
Truck	Van	2010	559	0.050	25.0	16.7	23.7	20.1	4533		214	212	9.7	1.001	0.0467	56.8			96.3%	1.6%	2.1%	0.2%		99.8%					100.0%			51.8%	37.7%					
Truck	Van	2011	521	0.043	26.3	17.6	24.5	20.9	4502		212	259	8.4	1.224	0.0574	59.2			91.4%	5.6%	2.9%			96.9%	3.1%				100.0%			96.6%	92.5%					
Truck	Van	2012	662	0.049	26.6	17.7	25.1	21.3	4442		210	254	8.5	1.211	0.0570	59.3			93.4%	3.1%	3.5%	0.2%		96.6%	3.2%				100.0%			96.0%	91.7%					
Truck	Van	2013	571	0.038	26.3	17.5	24.8	21.1	4543		209	257	8.5	1.228	0.0563	59.8			93.1%	4.1%	2.8%	0.1%		96.9%	3.0%				100.0%			96.6%	90.3%					
Truck	Van	2014	672	0.043	26.6	17.7	25.0	21.3	4489		213	260	8.3	1.224	0.0579	60.0			93.3%	3.8%	2.9%	0.1%		97.1%	2.8%			0.3%	99.7%			96.5%	97.8%					
Truck	Van	2015	655	0.039	27.4	18.3	25.4	21.8	4416		203	250	8.5	1.229	0.0563	60.7			94.1%	4.6%	1.3%			91.9%	8.1%			4.9%	95.1%			99.6%	100.0%					
Truck	Van	2016	630	0.039	27.2	18.1	25.5	21.7	4459		206	256	8.3	1.246	0.0573	60.7			94.8%	2.4%	2.8%			97.1%	2.9%			9.9%	90.1%			99.9%	100.0%					
Truck	Van	2017	-	0.032	28.9	19.1	26.7	22.8	4462		202	261	7.9	1.285	0.0582	66.5			94.4%	3.3%	2.3%			90.7%	9.3%			7.8%	92.2%			99.9%	100.0%	2.3%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck	Truck SUV	1975	177	0.017	13.0	10.6	11.5	11.0	4214		332	148		0.443	0.0361	27.2				88.9%	11.1%	39.8%	60.2%				100.0%										
Truck	Truck SUV	1976	232	0.019	13.9	11.2	12.5	11.8	4328		339	142		0.415	0.0333	29.8				89.5%	10.5%	32.2%	67.8%				100.0%										
Truck	Truck SUV	1977	264	0.019	15.1	12.2	13.7	12.8	4248		337	145		0.428	0.0345	32.0				88.4%	11.6%	32.6%	67.4%				100.0%										
Truck	Truck SUV	1978	364	0.025	14.5	11.6	13.2	12.3	4282		342	150	13.2	0.435	0.0353	30.8				92.4%	7.6%	32.1%	67.9%				100.0%										
Truck	Truck SUV	1979	385	0.028	12.4	10.3	10.8	10.5	4561		337	145	14.8	0.433	0.0323	28.3				72.2%	27.8%	33.1%	66.5%	0.4%			99.8%				0.2%						
Truck	Truck SUV	1980	184	0.016	15.5	12.5	14.1	13.2	4237		295	131	15.7	0.453	0.0307	32.9				88.9%	11.1%	43.6%	30.3%	26.1%			97.7%				2.3%						
Truck	Truck SUV	1981	136	0.013	16.8	13.4	15.5	14.3	4208		290	132	15.4	0.460	0.0315	35.4				90.5%	9.5%	41.0%	17.9%	41.1%			100.0%										
Truck	Truck SUV	1982	150	0.015	17.3	13.7	16.2	14.7	4494		305	133	16.8	0.444	0.0300	39.9				86.2%	13.8%	31.9%	23.1%	45.0%			83.4%				16.6%						
Truck	Truck SUV	1983	256	0.025	18.5	14.5	17.7	15.8	4270		265	127	15.5	0.507	0.0300	40.3				91.3%	8.7%	33.7%	13.6%	52.3%		0.4%	92.4%				7.6%						
Truck	Truck SUV	1984	570	0.041	19.0	14.9	18.0	16.2	4049		231	122	15.6	0.554	0.0300	39.0				93.3%	6.7%	30.3%	28.9%	40.8%			97.5%				2.5%						
Truck	Truck SUV	1985	648	0.045	19.4	15.1	18.7	16.5	4092		222	123	15.4	0.583	0.0299	40.2				91.3%	8.7%	29.5%	13.6%	56.9%			92.9%		4.4%	1.0%	1.7%						
Truck	Truck SUV	1986	714	0.046	20.1	15.6	19.1	17.0	3958		210	128	14.0	0.653	0.0323	40.0				93.3%	6.7%	38.9%	7.5%	53.6%			51.8%		25.9%	20.6%	1.7%						
Truck	Truck SUV	1987	779	0.052	20.4	15.8	19.5	17.3	3882		212	137	13.5	0.680	0.0353	39.7				94.1%	5.9%	39.6%	9.4%	51.0%			27.8%		33.1%	38.7%	0.5%						
Truck	Truck SUV	1988	859	0.056	20.2	15.5	19.2	17.0	3906		222	144	13.3	0.682	0.0369	39.4				94.3%	5.7%	34.5%	8.0%	57.5%			17.6%		47.3%	34.8%	0.3%						
Truck	Truck SUV	1989	818	0.057	19.7	15.0	18.6	16.6	4086		244	156	12.4	0.665	0.0384	40.3				93.5%	6.5%	26.0%	8.5%	65.6%			6.9%		46.3%	46.5%	0.3%						
Truck	Truck SUV	1990	643	0.051	19.6	14.8	18.6	16.4	4098		235	155	11.7	0.694	0.0381	40.1				92.5%	7.5%	29.1%	4.1%	66.8%			5.2%		56.7%	37.8%	0.3%						
Truck	Truck SUV	1991	871	0.069	20.0	15.0	19.1	16.7	4157		233	162	11.6	0.709	0.0391	41.6				96.3%	3.7%	21.8%	1.7%	76.5%			0.4%		62.2%	37.2%	0.2%						
Truck	Truck SUV	1992	761	0.062	19.4	14.5	18.5	16.2	4204		235	170	11.0	0.738	0.0408	40.8				95.4%	4.6%	21.7%	0.9%	77.4%					74.5%	25.5%								
Truck	Truck SUV	1993	838	0.063	19.6	14.5	18.6	16.3	4331		244	179	10.1	0.753	0.0419	42.3				93.1%	6.9%	19.1%	0.9%	79.9%					83.0%	17.0%								
Truck	Truck SUV	1994	1291	0.091	19.3	14.3	18.2	16.0	4331		245	180	10.1	0.756	0.0420	41.8				95.7%	4.3%	15.2%		84.8%					84.7%	15.3%		13.4%						
Truck	Truck SUV	1995	1596	0.105	19.3	14.2	18.2	16.0	4323		245	177	10.4	0.751	0.0414	41.8				90.1%	9.9%	15.0%		85.0%					84.9%	15.1%		15.1%						
Truck	Truck SUV	1996	1603	0.122	19.6	14.2	18.7	16.2	4386		259	189	10.5	0.744	0.0432	43.1				83.8%	16.2%	6.1%		93.9%					100.0%		0.0%	13.5%						
Truck	Truck SUV	1997	2089	0.145	19.6	14.2	18.4	16.1	4463		255	190	10.5	0.765	0.0427	43.7				81.9%	18.1%	9.7%		90.3%					100.0%		0.0%	19.1%						
Truck	Truck SUV	1998	2127	0.147	19.7	14.1	18.5	16.2	4450		252	192	10.7	0.786	0.0432	43.9				86.2%	13.8%	7.5%		92.5%					100.0%		0.0%	22.0%						
Truck	Truck SUV	1999	2342	0.154	19.6	14.1	18.4	16.1	4518		253	204	10.4	0.837	0.0452	44.4				79.4%	20.6%	5.9%		94.1%					100.0%			26.4%	2.9%					
Truck	Truck SUV	2000	2526	0.152	19.6	14.0	18.2	16.0	4602		253	206	10.0	0.839	0.0449	45.2				83.5%	16.5%	4.9%		95.1%					100.0%			22.7%	2.5%					
Truck	Truck SUV	2001	2707	0.173	20.2	14.4	18.6	16.4	4546		239	213	9.6	0.920	0.0469	46.0		7.4%	76.5%	16.1%	3.8%		96.2%					100.0%			39.6%	14.4%					
Truck	Truck SUV	2002	3588	0.223	20.1	14.1	18.7	16.3	4636		245	229	9.4	0.952	0.0493	46.6		1.7%	74.5%	23.9%	3.2%		96.7%	0.0%				100.0%			44.2%	25.0%					
Truck	Truck SUV	2003	3571	0.226	20.3	14.1	18.8	16.4	4754		247	233	9.3	0.967	0.0492	48.2		2.6%	73.7%	23.7%	2.2%		96.5%	1.3%				100.0%			51.6%	33.4%					
Truck	Truck SUV	2004	4075	0.259	20.4	14.1	19.0	16.5	4756		252	240	9.1	0.973	0.0505	48.5		2.8%	74.8%	22.4%	2.2%		96.7%	1.0%				100.0%		0.0%	53.2%	38.4%					
Truck	Truck SUV	2005	3272	0.206	20.8	14.3	19.2	16.7	4756		244	244	8.9	1.018	0.0512	49.6		2.9%	77.2%	19.9%	2.2%		96.3%	1.5%				99.7%		0.3%	64.3%	50.0%	0.2%				
Truck	Truck SUV	2006	3006	0.199	21.4	14.7	19.7	17.2	4715		236	240	9.0	1.028	0.0507	50.9		5.1%	77.2%	17.7%	2.4%		93.0%	4.6%				99.7%		0.3%	69.8%	60.2%	3.1%				
Truck	Truck SUV	2007	3314	0.217	22.0	15.1	20.3	17.7	4797		240	252	8.9	1.068	0.0523	53.1		6.5%	75.3%	18.2%	2.1%		92.1%	5.8%				99.7%		0.3%	61.8%	54.3%	1.4%				
Truck	Truck SUV	2008	3072	0.221	22.7	15.5	20.9	18.2	4727		230	250	8.9	1.105	0.0525	54.0		10.1%	75.7%	14.2%	1.7%		91.6%	6.7%			2.0%	97.6%		0.4%	71.8%	60.5%	2.4%				
Truck	Truck SUV	2009	1714	0.184	24.1	16.4	22.2	19.3	4548		211	244	8.7	1.170	0.0532	55.1		17.5%	75.0%	7.5%	1.2%		88.2%	10.7%			7.6%	91.8%		0.6%	82.4%	69.0%	1.5%				
Truck	Truck SUV	2010	2305	0.207	24.7	16.8	22.6	19.7	4555		212	243	8.7	1.163	0.0531	56.6		14.2%	77.7%	8.1%	1.8%	0.8%	86.8%	10.6%			12.2%	87.2%		0.6%	82.7%	83.0%	1.5%				
Truck	Truck SUV	2011	3069	0.255	24.9	16.9	22.8	19.8	4665		217	257	8.5	1.203	0.0547	58.2		13.8%	77.3%	8.9%	1.2%	0.0%	87.4%	11.4%			15.1%	84.1%		0.8%	83.6%	92.6%	0.6%				
Truck	Truck SUV	2012	2771	0.206	25.1	17.1	23.0	20.0	4640		215	261	8.4	1.232	0.0558	58.5		13.8%	79.9%	6.4%	1.6%		88.4%	9.9%			18.3%	80.5%		1.2%	89.2%	95.8%	0.6%				
Truck	Truck SUV	2013	3310	0.218	26.3	17.8	23.9	20.8	4584		205	257	8.4	1.284	0.0555	60.6		13.8%	80.4%	5.8%	1.2%		84.9%	13.9%			23.0%	76.2%		0.9%	91.6%	98.3%	0.7%				
Truck	Truck SUV	2014	3706	0.239	27.3	18.4	24.8	21.6	4483		196	250	8.4	1.300	0.0554	61.6		12.8%	81.8%	5.4%	1.2%		82.0%	16.8%			27.1%	71.8%		1.1%	88.0%	97.4%	0.6%				
Truck	Truck SUV	2015	4697	0.281	27.8	18.7	25.2	21.9	4533		198	254	8.4	1.307	0.0554	63.5		11.1%	82.4%	6.4%	1.0%	0.3%	76.5%	22.1%			37.7%	61.3%		1.0%	91.4%	98.6%	0.5%				
Truck	Truck SUV	2016	4730	0.291	28.2	19.0	25.4	22.2	4482		191	252	8.3	1.350	0.0556	64.0		11.7%	83.3%	5.1%	0.9%	0.2%	77.3%	21.6%			49.5%	49.9%		0.6%	93.1%	99.4%	1.4%				
Truck	Truck SUV	2017	-	0.268	28.2	19.0	25.3	22.2	4492		188	256	8.1	1.413	0.0564	64.1		11.4%	83.5%	5.2%	1.0%	0.2%	78.5%	20.3%			48.9%	50.8%		0.3%	94.9%	99.5%	1.9%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck	Pickup	1975	1343	0.131	14.0	11.1	13.1	11.9	4012		306	141		0.491	0.0351	28.8				13.5%	86.5%	41.1%	58.9%				100.0%										
Truck	Pickup	1976	1866	0.151	14.6	11.7	13.4	12.4	4122		316	139		0.466	0.0339	30.9				20.9%	79.1%	38.8%	61.2%				100.0%										
Truck	Pickup	1977	2026	0.143	16.0	12.9	14.5	13.6	4092		313	146		0.496	0.0357	33.4				21.4%	78.6%	35.9%	64.1%				100.0%										
Truck	Pickup	1978	2268	0.157	15.7	12.8	14.1	13.3	4104		306	144	13.4	0.496	0.0350	33.1				27.0%	73.0%	37.4%	62.6%				98.8%				1.2%						
Truck	Pickup	1979	2207	0.159	15.5	12.7	13.9	13.2	4142		287	136	14.9	0.502	0.0327	32.9				12.6%	87.4%	39.9%	58.8%	1.3%			97.5%				2.5%						
Truck	Pickup	1980	1437	0.127	19.4	15.5	17.9	16.5	3740		236	118	15.6	0.549	0.0315	36.7			1.8%	21.1%	77.1%	58.8%	19.3%	21.9%			94.8%			1.0%	4.2%						
Truck	Pickup	1981	1440	0.136	21.0	16.7	19.5	17.9	3679		237	115	15.6	0.521	0.0313	39.3			2.3%	16.8%	80.8%	57.7%	14.8%	27.5%			92.3%			0.6%	7.1%						
Truck	Pickup	1982	1441	0.148	21.7	17.2	20.3	18.5	3629		228	117	16.4	0.545	0.0322	40.1			2.2%	17.7%	80.1%	53.9%	16.6%	29.5%			89.5%			0.2%	10.3%						
Truck	Pickup	1983	1628	0.158	22.2	17.5	20.9	18.9	3544		212	112	15.2	0.566	0.0317	40.0			1.9%	22.1%	76.1%	56.3%	15.3%	28.0%		0.4%	95.5%			0.1%	4.4%						
Truck	Pickup	1984	2043	0.146	21.5	16.9	20.2	18.3	3619		215	114	15.1	0.563	0.0314	39.4			0.6%	24.7%	74.7%	54.9%	15.9%	29.3%			96.3%		1.0%		2.7%						
Truck	Pickup	1985	2078	0.144	21.4	16.9	20.1	18.2	3642		221	123	14.2	0.588	0.0336	39.6				25.4%	74.6%	51.6%	14.8%	33.7%			82.8%		11.4%	4.5%	1.2%						
Truck	Pickup	1986	2532	0.165	22.2	17.5	20.8	18.9	3574		206	120	13.6	0.623	0.0336	40.1				25.2%	74.8%	58.4%	11.2%	30.4%			60.6%		21.2%	17.6%	0.6%						
Truck	Pickup	1987	2147	0.144	22.5	17.5	21.2	19.0	3526		202	123	13.5	0.639	0.0347	40.1			0.0%	25.5%	74.5%	58.5%	12.7%	28.9%			40.8%		26.9%	32.0%	0.3%						
Truck	Pickup	1988	2459	0.161	21.5	16.5	20.4	18.1	3737		229	138	13.1	0.627	0.0365	40.5			0.0%	28.4%	71.6%	51.0%	10.3%	38.8%			16.1%		35.4%	48.3%	0.2%						
Truck	Pickup	1989	2232	0.154	21.2	16.2	20.0	17.8	3803		236	143	12.4	0.633	0.0373	40.5				28.9%	71.1%	52.4%	6.1%	41.5%			10.0%		38.8%	51.1%	0.2%						
Truck	Pickup	1990	1835	0.145	20.7	15.7	19.7	17.4	3928		247	152	11.3	0.647	0.0384	41.1				27.9%	72.1%	45.8%	4.3%	49.8%			6.0%		52.4%	41.4%	0.2%						
Truck	Pickup	1991	1920	0.153	21.7	16.3	20.7	18.2	3779		232	146	11.4	0.658	0.0385	41.4				24.8%	75.2%	52.2%	1.4%	46.4%			3.2%		47.9%	48.7%	0.2%						
Truck	Pickup	1992	1840	0.151	20.9	15.5	20.0	17.5	3976		245	151	11.2	0.644	0.0379	41.8				26.3%	73.7%	47.1%	0.9%	52.1%			3.2%		58.0%	38.6%	0.1%						
Truck	Pickup	1993	2002	0.152	21.1	15.6	20.2	17.6	3996		244	156	10.4	0.666	0.0390	42.4			0.0%	27.6%	72.4%	43.9%	0.8%	55.3%			2.1%		61.2%	36.7%							
Truck	Pickup	1994	2669	0.189	21.0	15.5	19.9	17.4	4056		248	163	10.2	0.687	0.0401	43.0				29.3%	70.7%	40.0%	1.0%	59.0%			0.8%		69.5%	29.7%		2.2%					
Truck	Pickup	1995	2271	0.150	20.4	14.9	19.3	16.9	4182		257	167	10.3	0.687	0.0399	43.1				33.0%	67.0%	39.6%	0.9%	59.5%					69.5%	30.5%		5.5%					
Truck	Pickup	1996	1955	0.149	20.8	15.1	19.7	17.1	4190		251	178	10.5	0.737	0.0422	43.9				29.3%	70.7%	34.6%	1.4%	64.0%		0.0%			99.8%		0.2%	13.3%					
Truck	Pickup	1997	2408	0.167	20.4	14.7	19.4	16.8	4415		264	196	10.2	0.756	0.0439	45.3				34.7%	65.3%	25.3%		74.7%					99.9%		0.1%	6.7%					
Truck	Pickup	1998	2415	0.167	20.7	14.8	19.6	17.0	4282		252	190	10.5	0.773	0.0439	44.6				34.8%	65.2%	27.3%	1.5%	71.1%					100.0%		0.0%	11.2%					
Truck	Pickup	1999	2544	0.167	19.9	14.2	18.6	16.3	4486		267	205	10.3	0.776	0.0453	44.7				45.3%	54.7%	17.5%	0.9%	81.5%					100.0%		0.0%	7.7%					
Truck	Pickup	2000	2612	0.158	20.5	14.6	18.9	16.7	4340		255	203	9.8	0.803	0.0462	44.4				38.4%	61.6%	16.7%	0.8%	82.5%					100.0%			12.7%					
Truck	Pickup	2001	2519	0.161	19.6	13.9	18.1	16.0	4551		269	216	9.4	0.812	0.0470	44.7				38.7%	61.3%	12.0%	0.8%	87.1%					100.0%			12.8%					
Truck	Pickup	2002	2380	0.148	19.5	13.8	17.8	15.8	4690		271	226	9.4	0.838	0.0480	45.6				42.4%	57.6%	9.5%	0.9%	89.6%					100.0%			17.8%					
Truck	Pickup	2003	2474	0.157	19.9	14.0	18.2	16.1	4642		264	223	9.5	0.847	0.0475	46.3				39.5%	60.5%	10.3%	0.9%	88.8%					100.0%			14.5%					
Truck	Pickup	2004	2505	0.159	19.6	13.7	17.8	15.7	4939		281	249	9.1	0.885	0.0501	48.2				46.3%	53.7%	7.0%	0.9%	92.1%					100.0%			32.4%	18.9%	0.0%			
Truck	Pickup	2005	2300	0.145	19.7	13.6	18.1	15.8	4988		284	260	8.8	0.917	0.0520	49.1				46.7%	53.3%	5.7%		94.3%					100.0%			40.9%	39.1%	0.0%			
Truck	Pickup	2006	2188	0.145	20.1	13.9	18.4	16.1	4968		278	256	8.9	0.925	0.0514	49.8				45.8%	54.2%	6.2%		93.8%					100.0%			49.0%	47.5%	0.1%			
Truck	Pickup	2007	2113	0.138	20.1	13.8	18.5	16.2	5144		286	269	8.9	0.938	0.0519	51.6				45.4%	54.6%	4.4%		95.6%					100.0%			40.0%	40.0%	0.0%			
Truck	Pickup	2008	1794	0.129	20.5	14.1	18.9	16.5	5161		286	276	8.9	0.962	0.0531	53.0				47.5%	52.5%	4.0%		96.0%					100.0%			41.3%	37.8%				
Truck	Pickup	2009	989	0.106	21.0	14.4	19.5	16.9	5176		287	278	8.5	0.971	0.0534	54.3				50.6%	49.4%	4.1%		95.7%	0.2%				100.0%			42.4%	36.8%	0.2%			
Truck	Pickup	2010	1276	0.115	20.9	14.3	19.4	16.9	5309		293	289	8.4	0.987	0.0542	55.5				57.0%	43.0%	2.4%		97.5%	0.1%				100.0%			59.9%	62.2%	0.1%			
Truck	Pickup	2011	1479	0.123	21.4	14.6	19.9	17.2	5268		282	304	8.2	1.086	0.0571	56.3				60.3%	39.7%	2.1%		97.8%	0.1%			7.6%	92.4%			50.1%	86.1%	0.1%			
Truck	Pickup	2012	1357	0.101	21.3	14.6	19.9	17.2	5335		286	317	7.9	1.122	0.0590	56.9				62.4%	37.6%	1.5%		98.5%	0.1%			10.3%	89.7%			55.7%	94.6%	0.1%			
Truck	Pickup	2013	1577	0.104	21.7	14.8	20.2	17.5	5429		282	328	7.8	1.186	0.0600	58.9				63.2%	36.8%	1.2%		98.8%	0.0%			15.3%	84.7%			61.8%	96.5%	0.0%			
Truck	Pickup	2014	1929	0.124	22.4	15.3	20.9	18.0	5485		293	334	7.6	1.158	0.0606	61.7				64.9%	35.1%	0.7%		99.3%				45.0%	55.0%			48.8%	99.3%				
Truck	Pickup	2015	1786	0.107	23.5	16.0	21.7	18.8	5165		277	324	7.6	1.207	0.0626	60.9				66.9%	33.1%	0.9%		99.1%				55.1%	43.1%		1.8%	53.5%	90.4%				
Truck	Pickup	2016	1907	0.117	23.6	16.1	21.8	18.9	5150		266	324	7.5	1.266	0.0630	61.1				67.1%	32.9%	0.7%		99.3%				49.9%	47.9%		2.2%	62.5%	89.6%	0.0%			
Truck	Pickup	2017	-	0.119	23.6	16.0	21.9	18.9	5246		277	336	7.3	1.258	0.0640	62.1			1.0%	65.1%	33.9%	0.7%		99.3%				56.9%	42.0%		1.1%	55.0%	93.0%	0.1%			

				Fuel Economy (MPG)							Engine							Drivetrain			Transmission					Fuel Metering									Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck	All	1975	1977	0.193	13.7	10.9	12.7	11.6	4073		311	142		0.476	0.0349	28.5				17.2%	82.8%	36.9%	63.1%				99.9%			0.1%								
Truck	All	1976	2600	0.211	14.4	11.6	13.2	12.2	4155		320	141		0.458	0.0340	30.5				23.0%	77.0%	34.7%	65.3%				99.9%			0.1%								
Truck	All	1977	2805	0.199	15.6	12.6	14.2	13.3	4136		318	147		0.482	0.0356	33.0				23.8%	76.2%	31.6%	68.4%				99.9%			0.1%								
Truck	All	1978	3257	0.225	15.3	12.4	13.7	12.9	4152		315	146	13.4	0.481	0.0351	32.4				29.1%	70.9%	32.1%	67.9%				99.1%			0.1%	0.8%							
Truck	All	1979	3072	0.221	14.7	12.1	13.1	12.5	4257		299	138	15.0	0.485	0.0325	32.1				18.1%	81.9%	35.1%	62.8%	2.1%			97.9%			0.3%	1.8%							
Truck	All	1980	1863	0.165	18.6	14.8	17.1	15.8	3869		248	121	15.7	0.528	0.0313	36.3			1.4%	25.0%	73.6%	53.0%	22.4%	24.5%				94.9%			1.7%	3.5%							
Truck	All	1981	1821	0.172	20.1	16.0	18.6	17.1	3806		247	119	15.7	0.508	0.0311	38.8			1.9%	20.1%	78.0%	51.6%	17.3%	31.1%				93.3%			1.1%	5.6%							
Truck	All	1982	1901	0.195	20.5	16.3	19.0	17.4	3813		244	120	16.6	0.524	0.0317	39.7			1.7%	20.2%	78.1%	45.9%	20.7%	33.4%				89.9%			0.7%	9.4%							
Truck	All	1983	2267	0.220	20.8	16.5	19.6	17.7	3773		232	118	15.3	0.542	0.0313	39.9			1.4%	26.1%	72.5%	46.3%	17.4%	36.0%		0.3%		94.6%			0.6%	4.8%							
Truck	All	1984	3289	0.235	20.4	16.1	19.3	17.4	3787		225	118	15.3	0.556	0.0310	39.3			5.0%	31.5%	63.5%	42.5%	22.9%	34.6%		0.0%		95.0%		2.0%	0.6%	2.4%							
Truck	All	1985	3581	0.248	20.5	16.2	19.3	17.5	3803		225	124	14.7	0.585	0.0326	39.6			7.3%	31.3%	61.4%	37.6%	21.2%	41.1%				86.5%		8.9%	3.5%	1.1%							
Truck	All	1986	4291	0.279	21.4	16.8	20.1	18.2	3741		212	123	13.9	0.619	0.0330	40.4			5.9%	30.7%	63.4%	43.0%	15.5%	41.5%				59.4%		22.1%	17.8%	0.7%							
Truck	All	1987	4039	0.272	21.6	16.8	20.4	18.3	3718		211	131	13.6	0.652	0.0351	40.5			7.6%	32.2%	60.2%	40.5%	15.7%	43.8%		0.1%		33.6%		33.3%	32.8%	0.3%							
Truck	All	1988	4450	0.291	21.1	16.2	20.1	17.8	3850		228	141	13.3	0.649	0.0365	40.9			9.2%	34.1%	56.7%	35.8%	11.7%	52.5%				12.4%		43.2%	44.3%	0.2%							
Truck	All	1989	4327	0.299	20.9	15.9	19.8	17.6	3932		234	146	12.7	0.653	0.0371	41.3			10.1%	32.8%	57.1%	32.8%	10.8%	56.4%		0.0%		6.5%		45.9%	47.5%	0.2%							
Truck	All	1990	3740	0.296	20.7	15.6	19.8	17.4	4014		237	151	11.8	0.667	0.0377	41.8			15.8%	31.8%	52.4%	28.1%	4.4%	67.5%		0.0%		3.8%		55.0%	40.9%	0.2%							
Truck	All	1991	3825	0.304	21.2	15.9	20.2	17.8	3961		229	150	11.8	0.681	0.0379	42.3			10.3%	37.3%	52.3%	31.5%	1.7%	66.8%				1.7%		55.3%	42.8%	0.1%							
Truck	All	1992	3822	0.314	20.8	15.4	19.9	17.3	4078		236	155	11.5	0.682	0.0380	42.6			14.5%	33.4%	52.1%	27.5%	1.2%	71.3%				1.6%		65.7%	32.6%	0.1%							
Truck	All	1993	4281	0.324	21.0	15.5	20.1	17.5	4098		235	160	10.6	0.705	0.0391	43.2			16.8%	32.7%	50.6%	24.7%	1.1%	74.2%				1.0%		71.5%	27.5%								
Truck	All	1994	5378	0.381	20.7	15.2	19.6	17.2	4149		241	166	10.4	0.713	0.0401	43.2			13.8%	39.2%	47.0%	23.7%	1.0%	75.3%				0.4%		76.2%	23.4%		5.2%						
Truck	All	1995	5529	0.365	20.5	14.9	19.4	17.0	4201		245	168	10.6	0.712	0.0400	43.3			18.4%	42.3%	39.3%	20.7%	0.9%	78.5%						79.4%	20.6%		8.0%						
Truck	All	1996	4967	0.378	20.8	15.0	19.8	17.2	4255		245	179	10.7	0.755	0.0421	44.5			20.9%	39.2%	39.8%	15.6%	1.0%	83.4%		0.0%				99.9%		0.1%	11.2%						
Truck	All	1997	5762	0.399	20.5	14.7	19.4	16.8	4394		251	189	10.5	0.769	0.0428	45.1			14.2%	45.2%	40.6%	14.1%	0.1%	85.8%						100.0%		0.0%	11.1%						
Truck	All	1998	6030	0.417	20.8	14.8	19.7	17.1	4317		244	188	10.7	0.794	0.0435	45.1			19.3%	45.1%	35.5%	13.6%	0.6%	85.8%						100.0%		0.0%	14.8%						
Truck	All	1999	6350	0.417	20.3	14.5	19.1	16.6	4457		252	199	10.5	0.811	0.0446	45.4			17.5%	48.1%	34.4%	9.2%	0.4%	90.4%						100.0%		0.0%	15.7%	3.0%					
Truck	All	2000	6829	0.412	20.7	14.7	19.3	16.8	4421		245	199	10.1	0.830	0.0448	45.8			20.0%	46.3%	33.8%	8.2%	0.3%	91.5%						100.0%			18.6%	4.6%					
Truck	All	2001	6458	0.414	20.3	14.4	18.8	16.5	4543		249	212	9.6	0.873	0.0465	46.3			16.3%	48.8%	34.8%	6.3%	0.3%	93.4%						100.0%			25.9%	9.3%					
Truck	All	2002	7211	0.448	20.3	14.3	18.8	16.5	4612		249	223	9.5	0.911	0.0482	47.0			15.4%	51.6%	33.1%	4.7%	0.3%	94.9%	0.0%					100.0%			32.8%	16.0%					
Truck	All	2003	7277	0.461	20.7	14.4	19.1	16.7	4655		248	224	9.4	0.920	0.0481	48.1			15.4%	50.4%	34.1%	4.6%	0.3%	94.4%	0.6%					100.0%			34.6%	19.7%					
Truck	All	2004	7533	0.480	20.5	14.2	18.9	16.5	4783		258	240	9.2	0.946	0.0500	49.0			12.5%	56.5%	31.0%	3.5%	0.3%	95.6%	0.6%					100.0%		0.0%	46.2%	32.9%	0.0%				
Truck	All	2005	7053	0.444	21.0	14.4	19.5	16.9	4763		251	242	9.1	0.976	0.0506	50.2			20.1%	52.2%	27.7%	2.9%		95.3%	1.8%					99.9%		0.1%	51.1%	41.2%	0.1%				
Truck	All	2006	6360	0.421	21.4	14.6	19.7	17.2	4758		247	240	9.1	0.985	0.0503	51.2			18.9%	53.1%	28.0%	3.3%		93.7%	3.1%					99.9%		0.1%	58.4%	51.5%	1.5%				
Truck	All	2007	6275	0.411	21.6	14.8	20.0	17.4	4871		253	254	9.0	1.020	0.0519	52.8			16.1%	55.5%	28.4%	2.6%		93.8%	3.7%					99.9%		0.1%	53.3%	48.7%	0.8%				
Truck	All	2008	5656	0.407	22.2	15.1	20.5	17.8	4837		246	254	9.0	1.046	0.0522	53.9			18.4%	56.8%	24.8%	2.2%		94.1%	3.6%				1.1%	98.7%		0.2%	59.5%	51.6%	1.3%				
Truck	All	2009	3071	0.330	23.1	15.7	21.4	18.5	4753		236	252	8.7	1.089	0.0527	55.1			21.0%	58.5%	20.5%	2.0%		92.0%	6.0%				4.2%	95.4%		0.3%	66.7%	56.0%	0.9%				
Truck	All	2010	4141	0.372	23.4	15.9	21.7	18.8	4784		237	253	8.8	1.087	0.0526	56.3			20.9%	61.0%	18.0%	1.8%	0.4%	91.9%	5.9%				6.8%	92.9%		0.4%	71.5%	70.5%	0.9%				
Truck	All	2011	5069	0.422	23.9	16.2	22.0	19.1	4824		236	271	8.4	1.171	0.0557	57.8			17.7%	65.0%	17.3%	1.3%	0.0%	91.4%	7.3%				11.3%	88.1%		0.5%	75.2%	90.7%	0.4%				
Truck	All	2012	4790	0.356	24.1	16.4	22.3	19.3	4809		234	276	8.3	1.198	0.0569	58.2			20.9%	64.3%	14.8%	1.4%		92.4%	6.2%				13.5%	85.8%		0.7%	80.6%	94.9%	0.4%				
Truck	All	2013	5458	0.359	24.8	16.8	22.8	19.8	4824		228	277	8.2	1.250	0.0569	60.0			18.1%	67.5%	14.5%	1.1%		90.2%	8.7%				18.4%	81.1%		0.5%	83.5%	96.9%	0.4%				
Truck	All	2014	6307	0.407	25.5	17.3	23.5	20.3	4790		227	277	8.1	1.249	0.0572	61.4			17.5%	68.3%	14.2%	0.9%		88.9%	10.2%				29.7%	69.6%		0.6%	76.9%	98.0%	0.4%				
Truck	All	2015	7138	0.426	26.5	17.9	24.2	21.1	4680		218	271	8.2	1.275	0.0573	62.6			16.0%	71.4%	12.6%	0.9%	0.2%	83.6%	15.3%				39.0%	59.9%		1.1%	82.7%	96.7%	0.3%				
Truck	All	2016	7267	0.447	26.8	18.1	24.4	21.2	4656		212	272	8.1	1.319	0.0577	63.0			15.8%	72.0%	12.2%	0.8%	0.2%	84.8%	14.3%				46.2%	52.9%		1.0%	85.7%	96.9%	0.9%				
Truck	All	2017	-	0.419	26.8	18.1	24.3	21.2	4703		214	279	7.9	1.359	0.0587	63.7			14.7%	72.2%	13.1%	0.8%	0.2%	85.3%	13.7%				48.0%	51.5%		0.5%	84.0%	97.7%	1.4%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size			
Car or Truck	Vehicle Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG (Lab 55/45)	Cu-Ft-MPG (Lab 55/45)	Cu-Ft-Ton-MPG (Lab 55/45)	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
All	All	1975	10224	1.000	15.3	12.0	14.6	13.1	4060		293	137		0.507	0.0335	31.6			5.3%	3.3%	91.4%	23.0%	76.8%	0.2%			95.7%		4.1%	0.0%	0.2%						
All	All	1976	12334	1.000	16.7	13.2	15.7	14.2	4079		294	135		0.493	0.0328	34.4			4.6%	4.8%	90.6%	20.9%	79.1%				97.3%		2.5%	0.0%	0.2%						
All	All	1977	14123	1.000	17.7	14.0	16.6	15.1	3982		287	136		0.510	0.0339	35.7			5.5%	4.7%	89.8%	19.8%	80.2%				96.2%		3.4%	0.0%	0.4%						
All	All	1978	14448	1.000	18.6	14.7	17.5	15.8	3715		266	129	13.6	0.525	0.0344	35.1			7.4%	6.6%	86.0%	22.7%	71.9%	5.5%			95.2%		3.9%	0.0%	0.9%						
All	All	1979	13882	1.000	18.7	14.9	17.4	15.9	3655		252	124	14.6	0.532	0.0335	34.7			9.2%	4.3%	86.5%	24.2%	68.1%	7.3%		0.4%	94.2%		3.7%	0.1%	2.0%						
All	All	1980	11306	1.000	22.5	17.6	21.5	19.2	3228		198	104	15.6	0.574	0.0320	36.6			25.0%	4.9%	70.1%	34.6%	46.8%	18.1%		0.5%	89.7%		5.2%	0.8%	4.3%						
All	All	1981	10554	1.000	24.1	18.8	23.0	20.5	3202		193	102	15.6	0.580	0.0318	38.9			31.0%	4.0%	65.0%	33.6%	32.9%	33.0%		0.5%	86.7%		5.1%	2.4%	5.9%						
All	All	1982	9732	1.000	24.7	19.2	23.9	21.1	3202		188	103	16.6	0.593	0.0320	40.0			37.0%	4.6%	58.4%	32.4%	19.4%	47.8%		0.4%	80.6%		5.8%	8.0%	5.6%						
All	All	1983	10302	1.000	24.6	19.0	23.9	21.0	3257		193	107	14.9	0.599	0.0327	40.5			37.0%	8.1%	54.8%	30.5%	17.0%	52.1%		0.4%	75.2%		7.3%	14.8%	2.7%						
All	All	1984	14020	1.000	24.6	19.1	24.0	21.0	3262		190	109	14.7	0.618	0.0332	40.7			42.1%	8.2%	49.8%	28.4%	18.8%	52.8%		0.0%	67.6%		11.9%	18.7%	1.8%						
All	All	1985	14460	1.000	25.0	19.3	24.4	21.3	3271		189	114	14.1	0.650	0.0347	41.4			47.8%	9.3%	42.9%	26.5%	19.1%	54.5%			56.1%		18.2%	24.8%	0.9%						
All	All	1986	15365	1.000	25.7	19.8	25.0	21.8	3238		180	114	13.4	0.678	0.0351	42.0			52.6%	9.3%	38.0%	29.8%	16.7%	53.5%			41.4%		32.5%	25.7%	0.4%						
All	All	1987	14865	1.000	25.9	19.8	25.3	22.0	3221		175	118	13.4	0.710	0.0362	42.1			57.7%	9.6%	32.8%	29.1%	15.5%	55.4%		0.0%	28.4%		39.9%	31.4%	0.3%						
All	All	1988	15295	1.000	25.9	19.6	25.2	21.9	3283		180	123	13.3	0.726	0.0372	42.9			60.0%	10.5%	29.5%	27.6%	10.2%	62.2%			15.0%		50.6%	34.3%	0.1%						
All	All	1989	14453	1.000	25.4	19.1	24.8	21.4	3351		185	129	12.5	0.743	0.0382	43.0			60.2%	10.5%	29.3%	24.6%	9.9%	65.5%	0.1%	0.0%	8.7%		57.3%	33.9%	0.1%						
All	All	1990	12615	1.000	25.2	18.7	24.6	21.2	3426		185	135	11.5	0.781	0.0394	43.5			63.8%	10.1%	26.1%	22.2%	6.5%	71.2%	0.0%	0.0%	2.1%		70.8%	27.0%	0.1%		0.4%				
All	All	1991	12573	1.000	25.4	18.8	24.7	21.3	3410		184	138	11.4	0.796	0.0402	43.6			59.6%	12.3%	28.1%	23.9%	4.5%	71.6%	0.0%		0.6%		70.6%	28.7%	0.1%		1.7%				
All	All	1992	12172	1.000	24.9	18.2	24.4	20.8	3512		191	145	11.0	0.807	0.0413	44.1			58.4%	11.2%	30.4%	20.7%	4.5%	74.8%	0.0%		0.5%		81.6%	17.8%	0.1%		3.0%				
All	All	1993	13211	1.000	25.1	18.2	24.4	20.9	3519		191	147	10.3	0.809	0.0416	44.5			59.9%	11.3%	28.8%	19.8%	3.7%	76.5%	0.0%		0.3%		85.0%	14.6%			3.0%				
All	All	1994	14125	1.000	24.6	17.8	23.8	20.4	3603		197	152	10.1	0.816	0.0420	44.6			55.6%	15.2%	29.2%	19.5%	3.0%	77.6%			0.1%		87.7%	12.1%	0.0%	26.7%	4.8%				
All	All	1995	15145	1.000	24.7	17.7	24.1	20.5	3613		196	158	10.1	0.857	0.0438	45.2			57.6%	16.2%	26.3%	17.9%	1.4%	80.7%					91.6%	8.4%	0.0%	35.6%	6.1%				
All	All	1996	13144	1.000	24.8	17.6	24.0	20.4	3659		197	164	10.4	0.878	0.0447	45.6			60.0%	15.7%	24.3%	15.2%	1.3%	83.5%	0.0%	0.0%			99.3%	0.7%	0.1%	39.3%	7.0%				
All	All	1997	14458	1.000	24.5	17.4	23.6	20.2	3727		199	169	10.2	0.890	0.0452	45.9			56.1%	19.0%	24.9%	14.0%	0.5%	85.5%	0.0%				99.5%	0.5%	0.1%	39.6%	6.5%				
All	All	1998	14456	1.000	24.5	17.2	23.6	20.1	3744		199	171	10.4	0.904	0.0457	46.3			56.4%	20.1%	23.5%	12.8%	0.5%	86.7%	0.0%				99.8%	0.1%	0.1%	40.9%	10.1%				
All	All	1999	15215	1.000	24.1	16.9	23.0	19.7	3835		203	179	10.3	0.921	0.0465	46.5			55.8%	21.3%	22.9%	10.1%	0.5%	89.4%	0.0%				99.9%	0.1%	0.1%	43.4%	10.8%				
All	All	2000	16571	1.000	24.3	16.9	23.0	19.8	3821		200	181	9.8	0.942	0.0472	46.7			55.5%	20.2%	24.3%	9.7%	0.7%	89.5%	0.0%				99.8%	0.0%	0.1%	44.8%	15.0%	0.0%			
All	All	2001	15605	1.000	24.2	16.8	22.8	19.6	3879		201	187	9.5	0.968	0.0480	47.3			53.8%	22.0%	24.2%	9.0%	0.6%	90.3%	0.1%				99.9%		0.1%	49.0%	19.6%	0.1%			
All	All	2002	16115	1.000	24.1	16.6	22.5	19.5	3951		203	195	9.4	0.994	0.0493	47.9			52.7%	25.0%	22.3%	8.2%	0.3%	91.4%	0.2%				99.8%		0.2%	53.3%	25.3%	0.2%			
All	All	2003	15773	1.000	24.3	16.7	22.7	19.6	3999		204	199	9.3	1.007	0.0496	49.0			50.7%	25.0%	24.3%	8.0%	0.1%	90.8%	1.1%				99.8%		0.2%	55.5%	30.6%	0.3%			
All	All	2004	15709	1.000	24.0	16.3	22.4	19.3	4111		212	211	9.1	1.026	0.0511	49.7			47.7%	29.8%	22.4%	6.8%	0.3%	91.8%	1.2%				99.9%		0.1%	62.3%	38.5%	0.5%			
All	All	2005	15892	1.000	24.8	16.8	23.1	19.9	4059		205	209	9.0	1.049	0.0512	50.9			53.0%	26.8%	20.2%	6.2%	0.1%	91.5%	2.3%				99.7%		0.3%	65.6%	45.8%	1.1%			
All	All	2006	15104	1.000	25.2	17.0	23.4	20.1	4067		204	213	8.9	1.073	0.0522	51.7			51.9%	25.8%	22.3%	6.5%	0.0%	90.6%	2.8%				99.6%		0.4%	71.7%	55.4%	1.5%			
All	All	2007	15276	1.000	25.8	17.4	24.0	20.6	4093		203	217	8.9	1.099	0.0525	53.4			54.3%	26.1%	19.6%	5.6%	0.0%	87.1%	7.2%			0.2%	99.8%		0.1%	71.7%	57.3%	2.2%			
All	All	2008	13898	1.000	26.3	17.7	24.4	21.0	4085		199	219	8.9	1.122	0.0529	54.4			54.2%	27.3%	18.5%	5.2%	0.2%	86.8%	7.9%			2.3%	97.6%		0.1%	76.4%	58.2%	2.5%			
All	All	2009	9316	1.000	28.2	18.9	26.0	22.4	3914		183	208	8.8	1.156	0.0523	55.9			62.9%	23.5%	13.6%	4.8%	0.2%	85.6%	9.4%			4.2%	95.2%		0.5%	83.8%	71.5%	2.3%			
All	All	2010	11116	1.000	28.4	19.1	26.2	22.6	4001		188	214	8.8	1.160	0.0527	58.3			59.6%	26.7%	13.7%	3.8%	1.2%	84.1%	11.0%			8.3%	91.0%		0.7%	85.5%	83.8%	3.8%			
All	All	2011	12018	1.000	28.1	18.8	25.9	22.3	4126		192	230	8.5	1.217	0.0549	59.1			53.8%	32.4%	13.8%	3.2%	0.3%	86.5%	10.0%			15.4%	83.8%		0.8%	86.4%	93.1%	2.2%			
All	All	2012	13449	1.000	29.9	19.9	27.3	23.6	3979		180	222	8.5	1.248	0.0548	61.0			61.4%	27.7%	10.9%	3.6%	1.1%	83.4%	11.9%			22.5%	76.5%		0.9%	91.8%	96.6%	3.4%			
All	All	2013	15198	1.000	30.7	20.5	28.0	24.2	4003		176	226	8.4	1.310	0.0554	63.7			59.7%	29.1%	11.1%	3.5%	1.4%	80.4%	14.7%			30.5%	68.3%		0.9%	92.8%	97.4%	3.9%			
All	All	2014	15512	1.000	30.7	20.4	27.9	24.1	4060		180	230	8.3	1.310	0.0557	64.1			55.3%	32.6%	12.1%	2.8%	1.6%	76.7%	19.0%			37.4%	61.3%		1.0%	89.2%	97.6%	3.0%			
All	All	2015	16739	1.000	31.4	20.9	28.5	24.6	4035		177	229	8.3	1.321	0.0557	65.7			52.9%	36.1%	10.9%	2.6%	1.4%	72.3%	23.7%			41.9%	56.7%		0.9%	91.2%	97.2%	2.7%			
All	All	2016	16267	1.000	31.6	21.0	28.5	24.7	4035		173	230	8.3	1.361	0.0560	66.1			51.2%	38.3%	10.5%	2.2%	2.6%	72.4%	22.8%			48.0%	51.0%		0.5%	92.3%	98.0%	2.2%			
All	All	2017	-	1.000	32.3	21.5	28.9	25.2	4044		171	232	8.2	1.396	0.0561	69.7			51.7%	37.6%	10.8%	2.7%	3.0%	70.2%	24.1%			50.9%	47.7%		0.3%	91.5%	97.7%	4.1%			

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	1750	1975																														
Car	1750	1976																														
Car	1750	1977																														
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Car	1750	1983																														
Car	1750	1984																														
Car	1750	1985	37	0.003	57.4	46.7	51.5	48.8	82.6	61	48	17.6	0.787	0.0274	42.8	4037	3533	100.0%			90.1%	9.9%				100.0%							
Car	1750	1986	81	0.005	55.9	45.4	49.4	47.1	84.6	61	46	17.8	0.759	0.0264	42.0	4053	3547	100.0%			64.7%	35.3%				100.0%							
Car	1750	1987	38	0.003	56.8	45.4	50.5	47.6	84.4	61	46	17.3	0.756	0.0264	42.0	4045	3539	100.0%			100.0%					100.0%							
Car	1750	1988	55	0.004	51.6	41.2	45.1	43.0	84.6	61	47	18.3	0.766	0.0267	38.3	3698	3236	100.0%			59.5%	40.5%				97.2%			2.8%				
Car	1750	1989	25	0.002	59.4	46.9	51.4	49.0	90.9	61	49	16.2	0.806	0.0281	42.9	4457	3900	100.0%			100.0%								100.0%				
Car	1750	1990	4	0.000	65.3	50.7	56.7	53.4	89.1	61	49	15.2	0.803	0.0280	46.7	4760	4165	100.0%			100.0%								100.0%				
Car	1750	1991	4	0.000	65.3	50.2	56.3	53.0	89.1	61	55	14.1	0.902	0.0314	46.4	4725	4134	100.0%			100.0%								100.0%				
Car	1750	1992	8	0.001	65.3	49.6	56.0	52.6	89.1	61	55	13.8	0.902	0.0314	46.1	4690	4104	100.0%			100.0%								100.0%				
Car	1750	1993	10	0.001	65.3	49.1	55.6	52.2	89.1	61	55	13.0	0.902	0.0314	45.7	4655	4074	100.0%			100.0%								100.0%				
Car	1750	1994	8	0.001	65.8	49.3	55.3	52.2	89.1	61	55	12.9	0.902	0.0314	45.7	4653	4071	100.0%			100.0%								100.0%				
Car	1750	1995																														
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Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	2000	1975	105	0.010	31.4	24.5	30.1	26.7		83	54		0.655	0.0272	26.9			100.0%			88.1%		11.9%			100.0%							
Car	2000	1976	154	0.012	32.6	25.5	31.0	27.8		84	56		0.670	0.0279	28.0			92.5%		7.5%	89.7%	10.3%				100.0%							
Car	2000	1977	157	0.011	36.0	28.2	34.3	30.7	73.7	84	61		0.739	0.0307	31.4	2307	2307	100.0%			87.0%	13.0%				100.0%							
Car	2000	1978	270	0.019	34.9	27.8	32.5	29.7	80.3	90	62	14.3	0.695	0.0312	30.0	2423	2423	100.0%			93.4%		6.6%			100.0%							
Car	2000	1979	234	0.017	32.0	25.4	29.9	27.2	80.1	88	62	16.4	0.712	0.0312	27.5	2208	2208	100.0%			78.8%		10.3%		10.8%	100.0%							
Car	2000	1980	280	0.025	33.0	26.1	30.9	28.0	85.7	90	63	16.7	0.696	0.0314	28.4	2434	2434	100.0%			68.5%	16.1%	8.0%		7.4%	100.0%							
Car	2000	1981	209	0.020	38.4	30.8	35.0	32.6	86.7	86	64	15.9	0.744	0.0321	33.0	2857	2857	82.7%		17.3%	90.6%	9.4%				100.0%							
Car	2000	1982	157	0.016	40.3	32.3	36.9	34.2	87.3	86	62	17.5	0.715	0.0308	34.6	3022	3022	85.1%		14.9%	88.3%	4.5%	2.5%		4.7%	100.0%							
Car	2000	1983	94	0.009	43.6	34.9	40.2	37.1	86.0	84	62	16.1	0.728	0.0308	37.4	3216	3216	91.9%		8.1%	93.4%				6.6%	91.9%		8.1%					
Car	2000	1984	92	0.007	44.3	35.4	40.8	37.7	73.5	86	67	14.9	0.776	0.0335	38.2	2802	2802	98.7%		1.3%	96.7%		3.1%		0.2%	98.7%		1.3%					
Car	2000	1985	62	0.004	44.4	35.5	40.9	37.7	60.2	89	70	14.4	0.782	0.0348	38.7	2343	2343	100.0%			94.7%		5.3%			88.1%		11.9%					
Car	2000	1986	58	0.004	36.6	28.4	34.9	31.0	72.3	76	56	16.0	0.750	0.0281	33.0	2253	2253	100.0%			100.0%					100.0%							
Car	2000	1987	106	0.007	40.0	31.7	36.2	33.6	79.9	70	55	17.1	0.799	0.0276	35.0	2737	2737	100.0%			80.5%	19.5%				93.7%		6.3%			26.4%		
Car	2000	1988	186	0.012	43.6	34.8	38.3	36.4	91.0	77	59	16.0	0.770	0.0293	37.0	3343	3343	93.9%	6.1%		99.0%	1.0%				86.0%		14.0%	0.0%		17.5%		
Car	2000	1989	135	0.009	43.5	34.7	37.6	36.1	92.4	76	59	16.1	0.782	0.0294	36.8	3360	3360	100.0%			65.0%	35.0%				42.8%		37.9%	19.3%		8.3%		
Car	2000	1990	71	0.006	47.5	36.8	42.2	39.2	92.7	72	58	14.7	0.813	0.0290	39.6	3670	3670	100.0%			89.8%	10.2%				2.6%		50.5%	46.9%		3.0%		
Car	2000	1991	142	0.011	47.1	36.2	41.4	38.6	88.8	67	58	15.3	0.866	0.0288	39.1	3478	3478	100.0%			68.4%	31.6%				1.7%		29.1%	69.2%		1.3%		
Car	2000	1992	120	0.010	47.3	36.2	41.2	38.5	88.8	64	56	15.5	0.886	0.0282	39.0	3465	3465	100.0%			53.4%	46.6%				0.4%		13.0%	86.6%		0.4%		
Car	2000	1993	111	0.008	48.6	36.7	42.3	39.4	91.1	67	58	13.8	0.870	0.0291	39.8	3629	3629	100.0%			76.2%	23.8%						28.7%	71.3%		1.8%		
Car	2000	1994	97	0.007	48.9	36.9	41.9	39.3	91.9	62	56	14.5	0.902	0.0281	39.8	3661	3661	100.0%			52.3%	47.7%						1.5%	98.5%		1.5%		
Car	2000	1995	33	0.002	53.7	39.7	46.0	42.8	99.9	63	57	13.9	0.900	0.0284	42.8	4278	4278	100.0%			100.0%								100.0%				
Car	2000	1996	37	0.003	52.3	38.6	44.4	41.4	100.0	72	60	14.0	0.846	0.0298	41.6	4157	4157	100.0%			100.0%								100.0%				
Car	2000	1997	13	0.001	54.4	39.5	46.1	42.8	90.5	61	55	14.8	0.902	0.0275	42.8	3871	3871	100.0%			100.0%								100.0%				
Car	2000	1998	12	0.001	53.6	38.1	46.1	42.0	89.7	60	55	15.3	0.917	0.0275	42.0	3765	3765	100.0%			100.0%								100.0%				
Car	2000	1999	8	0.001	50.3	35.4	43.5	39.3	88.0	61	55	15.2	0.902	0.0275	39.3	3461	3461	100.0%			100.0%								100.0%				
Car	2000	2000	11	0.001	61.6	42.7	51.6	47.1	68.1	61	61	12.7	1.005	0.0306	48.8	3153	3153	52.4%		47.6%	100.0%							52.4%	47.6%		52.4%	52.4%	52.4%
Car	2000	2001	2	0.000	75.6	50.8	61.8	56.3	50.0	61	67	11.0	1.098	0.0335	56.3	2817	2817	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2002	1	0.000	75.3	50.2	60.7	55.6	50.0	61	67	11.0	1.098	0.0335	55.6	2778	2778	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2003	0	0.000	75.1	49.4	60.3	55.0	50.0	61	67	11.0	1.098	0.0335	55.0	2749	2749	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2004	0	0.000	73.8	48.6	57.9	53.5	50.0	61	67	11.0	1.098	0.0335	53.5	2673	2673	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2005	0	0.000	74.3	48.3	57.7	53.3	50.0	61	73	11.2	1.197	0.0365	53.3	2663	2663	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2006	0	0.000	73.8	47.9	57.6	53.0	50.0	61	73	11.0	1.197	0.0365	53.0	2649	2649	100.0%			100.0%							100.0%			100.0%	100.0%	100.0%
Car	2000	2007																															
Car	2000	2008	22	0.002	49.5	33.4	40.5	37.1	50.0	61	70	13.2	1.148	0.0350	37.1	1857	1857			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2009	14	0.002	49.5	33.4	40.5	37.1	50.0	61	70	12.9	1.148	0.0350	37.1	1857	1857			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2010	3	0.000	49.1	33.3	40.0	36.8	50.0	61	70	13.0	1.148	0.0350	36.8	1841	1841			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2011	4	0.000	53.2	36.1	41.2	38.8	50.0	61	66	13.2	1.148	0.0329	42.6	2131	2131			100.0%		100.0%						85.8%			85.8%	85.8%	
Car	2000	2012	5	0.000	49.5	33.8	37.7	35.9	50.0	61	70	13.0	1.148	0.0350	35.9	1796	1796			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2013	13	0.001	49.8	34.1	37.9	36.2	50.0	61	70	13.0	1.148	0.0350	36.2	1808	1808			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2014	5	0.000	49.7	34.0	37.9	36.1	50.0	61	70	13.0	1.148	0.0350	36.1	1806	1806			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2015	8	0.000	49.7	34.0	37.8	36.1	50.0	61	70	13.0	1.148	0.0350	36.1	1804	1804			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	2000	2016																															
Car	2000	2017																															

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	2250	1975	375	0.037	28.3	21.6	28.4	24.2		89	66		0.749	0.0294	27.4			46.1%		53.9%	88.0%	9.7%	2.3%			77.4%		22.6%					
Car	2250	1976	570	0.046	29.6	23.2	28.2	25.2		91	67		0.736	0.0296	28.6			37.5%		62.5%	72.2%	27.8%				94.3%		5.7%					
Car	2250	1977	851	0.060	32.1	25.0	30.8	27.3	85.5	90	68		0.762	0.0303	31.3	2385	2683	43.0%		57.0%	78.9%	21.1%				83.7%		14.4%		1.9%			
Car	2250	1978	887	0.061	31.9	25.2	29.9	27.1	85.6	89	67	15.0	0.758	0.0298	31.3	2394	2694	41.6%		58.4%	77.5%	19.4%	3.1%			79.2%		16.7%		4.1%			
Car	2250	1979	699	0.050	31.4	24.7	29.6	26.7	88.0	88	66	16.8	0.745	0.0291	30.5	2394	2694	44.8%		55.2%	82.5%	13.0%	1.0%		3.5%	79.0%		15.6%		5.5%			
Car	2250	1980	1162	0.103	32.4	25.6	30.4	27.5	89.6	92	67	16.9	0.722	0.0296	31.6	2515	2830	57.9%		42.1%	76.5%	19.3%	0.7%		3.4%	75.7%		14.9%		9.3%			
Car	2250	1981	1191	0.113	34.4	27.2	32.4	29.3	91.3	96	68	16.6	0.710	0.0302	33.5	2713	3052	69.8%		30.2%	78.4%	12.3%	5.0%		4.3%	84.3%		6.5%		9.2%			
Car	2250	1982	884	0.091	35.6	28.2	33.3	30.3	92.5	94	66	18.0	0.703	0.0294	34.5	2833	3187	79.8%		20.2%	71.6%	18.3%	6.8%		3.3%	89.6%		5.7%		4.7%			
Car	2250	1983	985	0.096	36.2	28.6	34.1	30.8	96.4	95	67	16.4	0.709	0.0298	35.1	3003	3379	93.2%	1.6%	5.2%	70.6%	17.1%	10.2%		2.0%	78.5%		8.0%	12.1%	1.4%			
Car	2250	1984	899	0.064	37.1	29.3	34.8	31.5	97.2	94	68	16.1	0.721	0.0303	36.0	3113	3502	91.1%		8.9%	71.8%	14.7%	13.5%		0.0%	74.1%		6.8%	16.5%	2.6%			
Car	2250	1985	840	0.058	37.5	29.8	34.9	31.9	96.9	94	70	15.6	0.748	0.0312	36.3	3130	3521	97.1%	0.3%	2.5%	65.3%	13.0%	21.6%			89.7%		1.6%	8.6%	0.1%			
Car	2250	1986	745	0.048	38.5	30.6	35.2	32.5	93.1	93	68	15.2	0.737	0.0304	37.0	3068	3452	96.3%		3.7%	65.5%	14.5%	20.1%			85.9%		7.7%	6.3%	0.0%	5.6%		
Car	2250	1987	461	0.031	39.0	30.9	35.3	32.8	89.7	91	69	15.3	0.766	0.0308	37.2	2972	3344	96.3%		3.7%	70.5%	15.3%	14.1%			86.8%		9.9%	3.4%		49.5%		
Car	2250	1988	401	0.026	38.9	30.6	35.1	32.6	91.7	90	73	14.9	0.808	0.0325	37.0	3015	3392	100.0%			69.9%	12.1%	18.0%			62.5%		9.4%	28.1%		48.4%		
Car	2250	1989	280	0.019	38.7	30.2	34.8	32.3	93.4	89	78	13.8	0.876	0.0347	36.6	3043	3424	100.0%			63.5%	17.0%	15.0%	4.5%		66.9%		5.1%	28.0%		63.5%		
Car	2250	1990	97	0.008	39.6	30.9	35.0	32.8	87.6	86	77	13.1	0.891	0.0341	37.3	2858	3216	95.4%	4.6%		70.3%	23.6%	3.6%	2.5%		40.4%		39.4%	20.3%		66.3%		
Car	2250	1991	129	0.010	38.1	29.3	33.9	31.4	90.3	88	81	12.7	0.921	0.0360	36.0	2838	3193	95.7%	4.3%		69.6%	5.7%	22.3%	2.4%		0.9%		80.3%	18.8%		86.9%		
Car	2250	1992	146	0.012	39.7	30.1	35.4	32.5	93.2	89	82	12.2	0.924	0.0365	37.5	3110	3498	99.8%	0.2%		80.0%	7.3%	12.5%	0.2%		0.2%		97.8%	2.0%		77.9%		
Car	2250	1993	136	0.010	38.7	29.2	34.3	31.6	94.4	88	81	11.6	0.921	0.0362	36.1	3026	3404	98.6%	1.4%		76.0%	10.2%	13.3%	0.5%				98.2%	1.8%		87.8%		
Car	2250	1994	117	0.008	39.6	29.4	35.3	32.1	95.5	86	76	12.1	0.885	0.0340	36.6	3107	3495	100.0%			79.9%	3.5%	16.6%					96.5%	3.5%		62.3%		
Car	2250	1995	161	0.011	40.4	30.0	35.6	32.6	95.8	84	76	12.8	0.903	0.0339	37.0	3152	3546	100.0%			48.7%	23.6%	27.7%					69.9%	30.1%		37.9%		
Car	2250	1996	135	0.010	38.9	28.7	34.1	31.3	95.7	90	78	13.3	0.869	0.0349	35.3	3001	3376	100.0%			29.5%	37.6%	32.8%					63.1%	36.9%		43.2%		
Car	2250	1997	87	0.006	39.3	28.7	34.4	31.4	92.1	81	73	13.8	0.891	0.0322	35.6	2916	3281	100.0%			39.1%	56.5%	4.4%					38.2%	61.8%		17.3%		
Car	2250	1998	26	0.002	39.0	28.4	33.7	31.0	89.8	80	80	13.4	1.002	0.0356	35.1	2801	3152	100.0%			22.8%	77.2%						100.0%			100.0%		
Car	2250	1999	23	0.002	38.6	27.8	33.4	30.6	88.1	81	81	13.3	1.003	0.0359	34.6	2706	3044	100.0%			23.5%	76.5%						100.0%			100.0%		
Car	2250	2000	43	0.003	39.6	28.2	34.3	31.2	92.3	83	89	11.9	1.063	0.0395	35.3	2907	3270	40.6%		59.4%	39.3%	60.7%						100.0%			100.0%	33.9%	
Car	2250	2001	24	0.002	39.3	27.9	33.6	30.8	86.6	80	81	12.5	1.015	0.0361	35.2	2673	3007	100.0%			15.3%	78.4%		6.2%				100.0%			34.4%	16.5%	6.2%
Car	2250	2002	3	0.000	51.5	35.9	42.4	39.2	77.9	78	88	10.2	1.125	0.0393	45.7	2969	3341	100.0%			54.4%			45.6%				100.0%			100.0%	100.0%	45.6%
Car	2250	2003	2	0.000	50.8	35.0	41.8	38.5	82.9	81	93	10.0	1.136	0.0414	44.4	3114	3504	100.0%			65.3%			34.7%				100.0%			100.0%	100.0%	34.7%
Car	2250	2004	0	0.000	64.5	44.5	48.8	46.8	53.2	63	68	11.1	1.073	0.0301	53.0	2468	2777	100.0%			6.4%			93.6%				100.0%			100.0%	100.0%	93.6%
Car	2250	2005	5	0.000	34.1	23.6	29.0	26.4	65.4	101	157	7.5	1.520	0.0698	31.4	1924	2165	37.0%		63.0%	93.7%			6.3%				100.0%			100.0%	100.0%	6.3%
Car	2250	2006	2	0.000	34.3	23.4	29.6	26.6	50.0	100	166	7.2	1.615	0.0739	32.3	1434	1613	20.0%		80.0%	80.0%			20.0%				100.0%			100.0%	100.0%	20.0%
Car	2250	2007	1	0.000	29.9	20.3	26.6	23.5	50.0	110	232	5.5	2.110	0.1031	26.4	1175	1322			100.0%	100.0%							100.0%			100.0%	100.0%	
Car	2250	2008	0	0.000	29.9	20.4	26.7	23.5	50.0	110	229	5.6	2.082	0.1018	26.5	1177	1324			100.0%	100.0%							100.0%			100.0%	100.0%	
Car	2250	2009	1	0.000	30.0	20.4	26.7	23.6	50.0	110	225	5.5	2.045	0.1000	26.5	1179	1326			100.0%	100.0%							100.0%			100.0%	100.0%	
Car	2250	2010	0	0.000	29.8	20.3	26.6	23.4	50.0	110	237	5.4	2.157	0.1054	26.4	1173	1319			100.0%	100.0%							100.0%			100.0%	100.0%	
Car	2250	2011	0	0.000	29.9	20.3	26.4	23.4	50.0	110	231	5.5	2.103	0.1028	26.3	1169	1315			100.0%	100.0%							100.0%			100.0%	100.0%	
Car	2250	2012	10	0.001	52.3	36.0	37.4	36.8	77.4	81	94	10.6	1.159	0.0418	41.4	2847	3202	100.0%						100.0%				100.0%			100.0%	100.0%	
Car	2250	2013	4	0.000	60.7	42.2	42.8	42.6	71.6	81	90	10.8	1.159	0.0399	57.2	3338	3755	79.0%		21.0%		21.0%		79.0%				79.0%			79.0%	79.0%	
Car	2250	2014	26	0.002	56.7	37.8	43.4	40.8	96.5	74	76	12.3	1.032	0.0338	49.4	4005	4506	92.1%		7.9%	15.7%	7.9%		76.4%				92.1%			92.1%	92.1%	
Car	2250	2015	38	0.002	56.2	37.3	43.3	40.5	100.4	73	74	12.5	1.018	0.0330	47.8	4100	4613	95.0%		5.0%	8.8%	5.0%		86.2%				95.0%			95.0%	95.0%	
Car	2250	2016	1	0.000	152.8	121.7	93.2	103.7	50.0		47	11.5		0.0209	116.6	5183	5830			100.0%		100.0%											
Car	2250	2017	-	0.001	54.9	36.3	42.5	39.6	103.3	73	78	12.2	1.071	0.0347	44.6	4093	4604	100.0%			13.8%			86.2%				100.0%			100.0%	100.0%	

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	2500	1975	406	0.040	24.4	18.8	23.8	20.8		95	73		0.774	0.0292	26.1			36.0%		64.0%	75.2%	24.7%	0.1%			79.6%		20.4%					
Car	2500	1976	349	0.028	26.2	20.2	25.8	22.4		97	73		0.755	0.0294	28.3			18.3%		81.7%	67.5%	32.5%				87.1%		12.9%					
Car	2500	1977	465	0.033	29.3	23.0	27.9	24.9	90.3	98	75		0.764	0.0299	31.5	2278	2847	20.7%		79.3%	69.3%	30.7%				86.3%		12.5%		1.2%			
Car	2500	1978	782	0.054	27.9	22.1	26.2	23.8	91.6	101	74	15.1	0.734	0.0297	30.0	2197	2746	34.3%		65.7%	53.2%	46.8%				92.0%		8.0%					
Car	2500	1979	1078	0.078	27.9	22.2	25.8	23.7	90.6	101	72	17.0	0.710	0.0287	29.8	2163	2703	43.7%	3.5%	52.8%	52.1%	43.2%	4.7%			97.2%		2.3%		0.6%			
Car	2500	1980	1172	0.104	28.0	22.3	26.0	23.8	92.3	104	71	17.5	0.680	0.0283	30.0	2218	2772	47.9%	3.9%	48.3%	52.5%	47.5%				93.5%		3.8%		2.8%			
Car	2500	1981	1532	0.145	29.4	23.2	27.6	25.0	94.8	108	76	16.6	0.711	0.0305	31.5	2398	2997	53.6%	2.7%	43.8%	52.4%	46.7%	0.9%			93.4%		4.1%		2.5%			
Car	2500	1982	1443	0.148	31.2	24.4	29.7	26.6	91.5	106	72	18.2	0.683	0.0289	33.6	2469	3086	69.3%	0.6%	30.0%	57.3%	34.1%	8.6%			92.4%		4.6%		3.0%			
Car	2500	1983	1240	0.120	32.2	25.3	30.5	27.4	94.8	107	75	16.3	0.705	0.0300	34.6	2643	3303	68.9%	13.1%	18.0%	50.5%	28.0%	20.7%		0.8%	96.3%		3.2%	0.1%	0.4%			
Car	2500	1984	1529	0.109	32.7	25.6	31.2	27.8	96.3	107	78	15.9	0.726	0.0312	35.2	2721	3401	75.4%	2.4%	22.1%	47.3%	26.2%	26.4%		0.1%	84.4%		11.9%	1.6%	2.2%			
Car	2500	1985	1699	0.118	32.8	25.6	31.5	28.0	98.0	109	83	15.0	0.760	0.0330	35.4	2789	3486	77.1%	9.2%	13.7%	53.7%	26.5%	19.8%			78.4%		15.7%	4.2%	1.7%			
Car	2500	1986	1622	0.106	33.7	26.3	31.8	28.6	100.0	106	80	14.6	0.759	0.0321	36.0	2882	3602	94.3%	0.9%	4.9%	49.5%	28.4%	22.1%			76.8%		16.9%	5.3%	1.0%	2.7%		
Car	2500	1987	1975	0.133	33.4	26.0	31.3	28.2	98.9	104	78	15.2	0.749	0.0311	35.5	2810	3513	97.7%	0.8%	1.5%	47.7%	19.7%	32.6%			66.8%		13.6%	19.5%		20.7%		
Car	2500	1988	1802	0.118	34.1	26.5	31.5	28.7	99.5	100	79	15.3	0.785	0.0314	36.0	2869	3586	99.7%	0.3%	0.0%	48.3%	9.9%	41.8%			36.6%		11.9%	51.5%		31.8%		
Car	2500	1989	1335	0.092	34.4	26.4	31.8	28.7	98.0	99	85	13.9	0.865	0.0339	36.1	2830	3537	97.8%	2.2%		52.0%	10.4%	37.6%			28.0%		24.7%	47.3%		44.7%		
Car	2500	1990	942	0.075	35.1	26.9	32.1	29.2	94.0	97	89	12.5	0.920	0.0356	36.7	2768	3460	94.4%	0.1%	5.5%	56.7%	9.0%	34.2%	0.1%		4.5%		44.5%	51.0%		58.7%		
Car	2500	1991	748	0.059	35.8	27.2	32.7	29.6	94.2	96	91	12.3	0.957	0.0365	37.2	2820	3524	94.7%	0.1%	5.2%	62.7%	0.7%	36.6%	0.1%				64.0%	36.0%		66.1%	5.1%	
Car	2500	1992	525	0.043	35.9	26.8	33.1	29.6	94.1	97	94	11.9	0.980	0.0376	37.3	2818	3522	94.7%	0.0%	5.3%	53.6%	0.1%	46.3%	0.0%				82.6%	17.4%		64.3%	8.9%	
Car	2500	1993	517	0.039	36.5	26.9	33.9	30.0	93.9	99	94	11.0	0.956	0.0374	37.8	2846	3557	95.8%	0.0%	4.2%	61.9%	5.3%	32.8%	0.0%				76.7%	23.3%		55.1%	4.6%	
Car	2500	1994	424	0.030	36.0	26.3	33.5	29.5	94.4	100	92	11.3	0.930	0.0366	37.3	2828	3535	95.2%		4.8%	50.7%	7.7%	41.6%					75.4%	24.6%		68.4%	3.1%	
Car	2500	1995	484	0.032	37.5	27.0	35.1	30.6	94.1	100	99	11.1	0.991	0.0396	38.5	2909	3637	95.9%		4.1%	48.4%	6.0%	45.6%					100.0%			66.4%	1.4%	
Car	2500	1996	329	0.025	37.4	26.6	34.9	30.4	95.3	103	102	11.2	0.999	0.0407	38.2	2933	3666	94.2%		5.8%	50.1%	6.2%	43.7%					100.0%			65.1%	8.8%	
Car	2500	1997	329	0.023	37.0	26.2	34.2	29.9	94.8	101	98	11.5	0.976	0.0393	37.6	2873	3592	94.4%		5.6%	47.0%		53.0%					100.0%			60.4%	1.8%	
Car	2500	1998	207	0.014	37.3	26.0	34.9	30.1	99.6	104	97	11.8	0.948	0.0390	37.7	3003	3754	100.0%		0.0%	38.9%		61.1%					100.0%			54.0%	2.8%	
Car	2500	1999	253	0.017	35.9	24.9	33.3	28.8	93.1	105	103	11.4	0.983	0.0411	36.2	2722	3403	100.0%			41.9%		58.1%					100.0%			59.9%	0.2%	
Car	2500	2000	166	0.010	36.7	25.4	33.7	29.3	95.2	103	107	10.6	1.049	0.0428	36.9	2836	3544	88.4%		11.6%	45.3%		54.7%					100.0%			71.0%	29.3%	
Car	2500	2001	214	0.014	36.2	25.0	32.6	28.7	99.8	100	102	10.8	1.032	0.0408	36.1	2890	3612	96.8%		3.2%	36.1%		63.9%					100.0%			73.4%	26.6%	
Car	2500	2002	149	0.009	37.3	25.3	34.2	29.6	100.1	106	102	10.9	0.968	0.0406	37.1	2976	3719	96.4%		3.6%	38.0%		62.0%					100.0%			43.4%	24.2%	
Car	2500	2003	39	0.002	40.8	28.0	35.3	31.6	93.6	94	112	10.4	1.185	0.0448	39.8	3018	3772	86.7%		13.3%	23.9%		76.1%					100.0%			100.0%	100.0%	
Car	2500	2004	7	0.000	40.8	27.8	35.1	31.5	92.6	94	113	10.3	1.197	0.0450	39.6	2975	3719	84.7%		15.3%	32.3%		67.7%					100.0%			100.0%	100.0%	
Car	2500	2005	10	0.001	41.1	27.8	35.1	31.5	95.7	93	111	10.5	1.193	0.0443	39.5	3052	3815	90.7%		9.3%	15.0%		85.0%					100.0%			100.0%	100.0%	
Car	2500	2006	3	0.000	41.6	28.6	34.3	31.6	97.4	91	106	10.7	1.165	0.0424	39.5	3079	3849	100.0%			29.5%		70.5%					100.0%			100.0%	100.0%	
Car	2500	2007	159	0.010	42.4	28.9	35.3	32.2	99.1	91	106	10.9	1.165	0.0424	40.3	3193	3991	100.0%			18.2%		81.8%					100.0%			100.0%	100.0%	
Car	2500	2008	121	0.009	42.1	28.8	34.9	32.0	98.7	91	106	11.0	1.165	0.0424	40.0	3157	3946	100.0%			16.8%		83.2%					100.0%			100.0%	100.0%	
Car	2500	2009	73	0.008	42.0	28.8	34.7	31.9	97.6	91	106	10.8	1.165	0.0424	39.9	3114	3892	100.0%			12.9%		87.1%					100.0%			100.0%	100.0%	
Car	2500	2010	63	0.006	42.0	28.8	34.7	31.9	98.2	91	106	10.9	1.165	0.0424	39.9	3132	3915	100.0%			11.6%		88.4%					100.0%			100.0%	100.0%	
Car	2500	2011	43	0.004	41.1	28.0	33.3	30.8	98.9	91	103	11.1	1.132	0.0414	38.5	3048	3810	100.0%			14.5%		85.5%					100.0%			100.0%	100.0%	
Car	2500	2012	91	0.007	42.9	29.0	34.7	32.0	97.4	91	104	10.9	1.148	0.0416	40.0	3113	3892	100.0%			27.9%		72.1%					100.0%			100.0%	100.0%	
Car	2500	2013	89	0.006	43.2	28.8	35.7	32.4	97.5	83	95	11.8	1.143	0.0380	40.5	3156	3945	100.0%			25.8%		74.2%					100.0%			100.0%	100.0%	
Car	2500	2014	100	0.006	44.0	29.5	35.8	32.8	99.5	83	94	11.6	1.139	0.0378	41.1	3266	4082	100.0%			19.2%		38.0%	42.8%					100.0%			100.0%	100.0%	
Car	2500	2015	61	0.004	44.9	30.1	36.3	33.3	97.6	82	95	11.5	1.156	0.0381	41.7	3252	4065	100.0%			16.4%		42.7%	40.9%					100.0%			100.0%	100.0%	
Car	2500	2016	52	0.003	45.3	29.9	37.3	33.7	81.3	90	104	10.8	1.167	0.0416	42.3	2771	3464	65.1%		34.9%	29.9%	12.2%	17.8%	40.2%			35.9%	64.1%			100.0%	100.0%	
Car	2500	2017	-	0.004	48.7	32.3	39.1	35.8	91.1	81	88	11.9	1.114	0.0354	47.0	3338	4173	82.4%		17.6%	14.9%	13.1%	11.6%	60.3%			14.6%	82.0%			96.5%	96.5%	

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	2750	1975	281	0.027	21.7	16.6	21.6	18.5		127	100		0.799	0.0365	25.9			0.4%		99.6%	70.3%	29.3%	0.3%			96.1%		3.9%					
Car	2750	1976	203	0.016	24.5	19.0	23.7	20.9		122	96		0.794	0.0348	29.1			0.9%		99.1%	63.5%	36.5%				96.4%		3.6%					
Car	2750	1977	349	0.025	24.8	19.2	24.1	21.1	80.3	126	96		0.765	0.0350	29.4	1728	2375	2.0%		98.0%	67.5%	32.5%				90.6%		9.4%					
Car	2750	1978	498	0.034	24.8	19.3	24.1	21.2	88.6	129	95	13.4	0.740	0.0344	29.4	1892	2602	0.9%		99.1%	66.7%	33.3%				94.5%		5.5%					
Car	2750	1979	459	0.033	24.0	18.5	23.7	20.5	82.2	132	94	14.7	0.710	0.0341	28.4	1720	2365	5.4%		94.6%	59.6%	40.4%				93.9%		6.1%					
Car	2750	1980	973	0.086	26.1	19.9	26.0	22.2	96.0	142	93	14.9	0.665	0.0339	30.9	2176	2992	47.9%		52.1%	53.6%	46.4%				86.2%		13.8%					
Car	2750	1981	715	0.068	27.7	21.6	26.7	23.6	107.2	137	92	15.3	0.678	0.0333	32.7	2533	3482	70.0%		30.0%	36.0%	64.0%				81.1%		18.3%		0.6%			
Car	2750	1982	961	0.099	28.8	22.0	28.5	24.5	104.3	124	87	17.0	0.707	0.0316	33.8	2566	3528	77.9%	3.1%	19.0%	33.7%	36.1%	30.2%			87.4%		6.4%	5.8%	0.4%			
Car	2750	1983	863	0.084	30.2	23.6	28.9	25.7	106.3	124	88	15.4	0.712	0.0320	35.6	2756	3790	89.4%	4.0%	6.6%	31.2%	35.8%	33.0%			46.5%		12.3%	40.6%	0.6%			
Car	2750	1984	2051	0.146	30.1	23.3	29.3	25.7	102.7	127	89	15.2	0.705	0.0324	35.5	2653	3648	87.7%	2.2%	10.1%	30.5%	33.1%	36.3%		0.1%	44.3%		12.2%	42.4%	1.0%			
Car	2750	1985	1878	0.130	30.6	23.7	29.6	26.0	103.3	128	94	14.6	0.735	0.0340	36.0	2707	3722	93.3%	2.8%	3.8%	21.8%	33.1%	45.1%			25.6%		14.5%	59.5%	0.4%			
Car	2750	1986	1899	0.124	30.6	23.6	29.7	26.0	102.0	125	95	13.6	0.769	0.0347	36.0	2667	3667	92.7%	2.9%	4.4%	34.7%	17.7%	47.5%			15.0%		32.1%	52.6%	0.3%	17.5%		
Car	2750	1987	1896	0.128	30.8	23.6	29.7	26.1	101.7	124	96	13.8	0.790	0.0350	36.0	2658	3655	95.7%	1.9%	2.4%	31.5%	24.5%	44.0%			16.6%		24.7%	58.4%	0.2%	26.4%		
Car	2750	1988	1519	0.099	31.5	23.9	30.3	26.5	102.1	123	97	13.8	0.804	0.0354	36.6	2717	3736	97.4%	1.8%	0.8%	31.0%	10.8%	58.1%			21.4%		18.9%	59.8%		27.2%		
Car	2750	1989	1204	0.083	31.8	24.0	30.4	26.7	101.7	118	96	13.6	0.820	0.0349	36.8	2719	3738	97.5%	1.1%	1.4%	29.6%	11.2%	59.2%			14.1%		21.8%	63.8%	0.3%	22.6%		
Car	2750	1990	1081	0.086	31.9	24.1	30.1	26.7	98.7	111	100	12.5	0.919	0.0364	36.7	2637	3625	99.0%	0.9%	0.1%	25.7%	8.7%	65.5%			0.4%		56.5%	43.0%	0.2%	46.9%		
Car	2750	1991	1462	0.116	32.5	24.1	31.0	27.0	100.3	112	100	12.5	0.913	0.0364	37.3	2724	3746	99.3%	0.2%	0.6%	28.1%	4.0%	68.0%					63.5%	36.1%	0.3%	47.0%	6.6%	
Car	2750	1992	1280	0.105	32.6	24.0	31.1	27.0	98.5	110	106	11.7	0.972	0.0386	37.4	2681	3687	99.5%	0.5%		30.1%	5.5%	64.4%					85.9%	14.0%	0.1%	58.8%	11.0%	
Car	2750	1993	1651	0.125	33.0	24.0	31.4	27.2	101.9	112	106	11.0	0.955	0.0384	37.6	2789	3835	98.4%	1.6%	0.0%	27.3%	3.3%	69.4%					93.8%	6.2%		52.9%	12.1%	
Car	2750	1994	1522	0.108	33.6	24.3	32.1	27.7	101.2	109	108	10.7	1.001	0.0394	38.2	2816	3872	98.7%	0.1%	1.2%	32.1%	1.5%	66.4%					99.7%	0.3%		67.4%	20.1%	
Car	2750	1995	1747	0.115	33.9	24.4	32.1	27.8	102.6	110	111	11.0	1.017	0.0403	38.4	2865	3940	99.9%	0.0%	0.1%	27.6%		72.4%					100.0%			74.7%	13.3%	
Car	2750	1996	1241	0.094	33.9	24.2	31.7	27.6	101.5	108	117	11.0	1.086	0.0427	38.2	2816	3872	100.0%			25.1%		74.8%	0.1%				100.0%			88.0%	17.3%	
Car	2750	1997	1637	0.113	34.0	24.1	31.8	27.6	100.5	109	113	11.2	1.039	0.0409	38.2	2788	3833	100.0%		0.0%	22.1%		77.5%	0.4%				100.0%			75.7%	16.8%	
Car	2750	1998	1621	0.112	34.5	24.2	32.4	27.9	100.5	110	117	11.2	1.071	0.0427	38.6	2820	3877	100.0%		0.0%	22.3%	0.3%	77.1%	0.3%				100.0%			83.2%	22.1%	
Car	2750	1999	1347	0.089	34.6	24.2	32.0	27.9	100.5	110	118	11.1	1.078	0.0428	38.4	2807	3860	100.0%			19.1%	0.5%	80.3%	0.2%				100.0%			83.3%	20.8%	
Car	2750	2000	1318	0.080	34.3	23.8	31.5	27.4	100.5	108	120	10.5	1.118	0.0437	37.9	2768	3806	96.9%		3.1%	21.1%	1.6%	77.2%	0.1%				100.0%			92.2%	42.0%	
Car	2750	2001	1184	0.076	35.9	24.7	33.0	28.6	99.6	108	121	10.3	1.122	0.0440	39.6	2874	3952	94.2%		5.8%	20.1%	1.4%	78.4%	0.1%				100.0%			93.1%	65.9%	
Car	2750	2002	913	0.057	36.3	24.8	33.0	28.8	99.6	107	119	10.5	1.121	0.0434	39.8	2884	3966	98.5%		1.5%	22.1%	0.6%	77.0%	0.4%				100.0%			93.8%	63.4%	
Car	2750	2003	691	0.044	37.1	25.1	33.5	29.2	100.8	106	123	10.2	1.154	0.0447	40.3	2964	4075	98.2%		1.8%	21.3%		77.4%	1.3%				100.0%			100.0%	80.0%	
Car	2750	2004	729	0.046	36.9	24.8	33.2	28.9	101.6	105	120	10.4	1.144	0.0436	39.9	2955	4062	98.8%		1.2%	23.0%		75.7%	1.3%				100.0%			99.6%	78.4%	
Car	2750	2005	941	0.059	37.3	25.0	33.1	29.0	102.1	106	121	10.3	1.144	0.0439	40.1	2976	4092	99.6%		0.4%	16.8%		82.2%	1.0%				100.0%			93.2%	75.4%	
Car	2750	2006	628	0.042	37.8	25.3	33.4	29.3	101.0	104	119	10.6	1.142	0.0432	40.5	2982	4100	96.7%		3.3%	17.1%		81.5%	1.5%				100.0%			91.8%	86.1%	
Car	2750	2007	549	0.036	38.2	25.4	33.9	29.7	102.0	104	120	10.5	1.145	0.0435	40.9	3044	4186	97.6%		2.4%	14.9%		85.1%					100.0%			87.8%	79.7%	
Car	2750	2008	437	0.031	37.9	25.2	33.7	29.4	102.5	104	119	10.6	1.147	0.0434	40.6	3042	4182	96.3%		3.7%	19.3%		80.7%					100.0%			98.0%	60.7%	
Car	2750	2009	271	0.029	38.3	25.9	33.1	29.6	104.9	96	111	10.8	1.159	0.0404	40.8	3122	4293	98.4%		1.6%	21.1%		78.9%					100.0%			100.0%	84.8%	
Car	2750	2010	194	0.017	39.0	26.3	33.8	30.1	105.1	97	113	10.8	1.174	0.0413	41.5	3188	4383	96.3%		3.7%	16.7%		83.3%					100.0%			100.0%	100.0%	
Car	2750	2011	237	0.020	40.4	26.9	34.2	30.6	101.2	97	114	10.6	1.175	0.0416	42.3	3120	4290	97.7%		2.3%	13.4%		86.6%					100.0%			100.0%	100.0%	
Car	2750	2012	400	0.030	44.4	29.8	36.6	33.3	101.4	95	115	10.2	1.211	0.0420	47.1	3485	4792	98.0%		2.0%	9.8%		60.5%	29.7%			24.8%	74.8%			99.6%	99.6%	11.3%
Car	2750	2013	473	0.031	44.2	29.5	36.7	33.2	101.3	95	120	10.0	1.259	0.0437	46.5	3438	4727	98.8%		1.2%	10.2%		69.8%	20.0%			33.5%	66.4%			100.0%	100.0%	9.5%
Car	2750	2014	360	0.023	45.5	29.7	38.1	34.0	104.2	97	116	10.1	1.195	0.0421	47.7	3624	4983	99.0%		1.0%	7.0%		45.7%	47.2%			27.4%	72.5%			99.9%	99.9%	10.5%
Car	2750	2015	473	0.028	45.5	30.1	37.6	34.0	105.1	96	117	10.1	1.222	0.0425	47.4	3636	4999	98.9%		1.1%	9.0%		34.2%	56.8%			34.4%	65.6%			100.0%	100.0%	7.6%
Car	2750	2016	464	0.029	45.3	29.7	38.0	33.9	105.1	96	120	10.0	1.247	0.0436	47.1	3607	4960	98.5%		1.5%	4.9%	12.5%	36.1%	46.6%			50.5%	49.5%			100.0%	100.0%	4.7%
Car	2750	2017	-	0.023	45.7	30.0	37.8	34.0	104.1	95	119	10.0	1.253	0.0434	47.2	3586	4931	96.1%		3.9%	10.3%	7.0%	33.7%	49.0%			50.1%	49.8%			99.9%	99.9%	5.8%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	3000	1975	828	0.081	21.4	16.6	20.9	18.3		147	99		0.674	0.0329	27.8			3.5%		96.5%	48.5%	51.4%	0.1%			82.9%		17.1%					
Car	3000	1976	884	0.072	23.5	18.1	23.1	20.1		147	95		0.657	0.0317	30.4			2.5%		97.5%	50.4%	49.6%				90.2%		9.8%					
Car	3000	1977	584	0.041	23.2	18.1	22.3	19.8	87.6	146	104		0.715	0.0347	30.1	1771	2656	3.6%		96.4%	51.3%	48.7%				77.6%		22.4%					
Car	3000	1978	903	0.062	22.5	17.7	21.3	19.2	97.3	164	102	13.9	0.637	0.0339	29.1	1885	2828	4.4%		95.6%	35.2%	64.8%				82.0%		18.0%					
Car	3000	1979	1286	0.093	22.1	17.2	21.3	18.9	96.3	162	100	14.8	0.634	0.0333	28.6	1834	2751	2.6%		97.4%	39.7%	60.3%				85.8%		14.1%		0.1%			
Car	3000	1980	2026	0.179	23.6	18.3	23.0	20.1	100.9	164	100	15.1	0.624	0.0334	30.3	2040	3060	32.0%		68.0%	30.9%	68.1%	1.0%			92.0%		7.5%		0.5%			
Car	3000	1981	1626	0.154	24.4	19.0	23.4	20.8	103.8	165	101	15.2	0.619	0.0335	31.4	2168	3252	45.4%		54.6%	21.6%	77.7%	0.7%			87.8%		11.9%		0.4%			
Car	3000	1982	1554	0.160	25.7	19.7	25.4	21.9	104.2	163	103	16.0	0.640	0.0343	33.3	2319	3479	53.2%		46.8%	17.0%	17.9%	65.1%			53.8%		18.6%	26.9%	0.7%			
Car	3000	1983	1515	0.147	25.8	19.8	25.6	22.0	105.4	161	105	14.5	0.658	0.0349	33.4	2346	3520	63.0%		37.0%	17.2%	20.1%	62.7%			50.1%		22.7%	26.5%	0.7%			
Car	3000	1984	1994	0.142	26.4	20.2	26.2	22.5	104.9	157	107	14.2	0.689	0.0357	34.1	2381	3571	73.9%	0.2%	25.9%	16.2%	25.6%	58.2%			42.1%		27.6%	29.6%	0.8%			
Car	3000	1985	2037	0.141	27.1	20.7	26.9	23.1	106.7	154	110	13.8	0.727	0.0366	35.0	2489	3734	77.9%	0.5%	21.6%	14.4%	32.1%	53.5%			27.4%		37.5%	34.7%	0.4%			
Car	3000	1986	2830	0.184	27.5	21.0	27.1	23.4	106.6	151	108	13.4	0.723	0.0359	35.3	2513	3770	82.2%	1.0%	16.8%	15.1%	28.5%	56.4%			15.0%		35.7%	49.0%	0.2%	2.3%		
Car	3000	1987	2743	0.185	27.9	21.2	27.4	23.6	106.3	147	111	13.3	0.767	0.0371	35.8	2539	3809	84.1%	1.9%	14.0%	15.7%	20.8%	63.5%			0.9%		49.6%	49.5%	0.0%	10.6%		
Car	3000	1988	3146	0.206	28.4	21.4	27.8	24.0	105.3	145	114	13.2	0.797	0.0380	36.3	2547	3821	90.6%	1.2%	8.3%	17.2%	16.1%	66.8%					69.9%	30.1%	0.0%	22.6%		
Car	3000	1989	3402	0.235	28.4	21.2	27.7	23.9	105.2	146	118	12.5	0.815	0.0393	36.0	2525	3788	91.3%	1.4%	7.3%	16.4%	12.1%	71.5%			2.6%		73.4%	24.0%		33.6%		
Car	3000	1990	2857	0.226	28.6	21.3	27.7	23.9	103.9	142	122	11.4	0.867	0.0405	36.0	2497	3746	95.0%	0.7%	4.3%	20.8%	10.4%	68.8%			0.1%		74.9%	25.0%		46.7%		
Car	3000	1991	2714	0.216	28.1	20.8	27.3	23.5	104.0	145	124	11.4	0.868	0.0414	35.5	2458	3687	93.3%	1.5%	5.1%	18.4%	9.2%	72.4%					75.7%	24.3%		41.8%		
Car	3000	1992	1918	0.158	28.4	20.8	27.6	23.7	102.7	146	127	11.0	0.885	0.0423	35.6	2438	3657	94.2%	0.7%	5.1%	20.3%	13.3%	66.3%					87.2%	12.8%		36.5%	0.2%	
Car	3000	1993	2021	0.153	28.7	20.8	27.8	23.8	102.6	147	125	10.4	0.863	0.0417	35.9	2455	3683	94.6%	0.9%	4.5%	19.7%	11.3%	68.9%					86.8%	13.2%		38.2%	0.2%	
Car	3000	1994	2033	0.144	29.1	21.0	28.0	24.0	102.9	143	124	10.3	0.881	0.0413	36.2	2481	3721	99.1%	0.3%	0.6%	16.5%	7.9%	75.6%					89.5%	10.5%		37.2%	0.7%	
Car	3000	1995	1933	0.128	29.7	21.2	28.8	24.5	103.6	139	136	9.9	0.988	0.0452	36.9	2546	3819	95.4%	2.6%	2.0%	22.1%		77.9%					98.6%	1.4%		65.5%	9.9%	
Car	3000	1996	1796	0.137	29.9	21.1	29.2	24.6	103.1	137	133	10.4	0.980	0.0444	37.0	2544	3817	96.7%	1.8%	1.5%	20.7%		79.3%					100.0%			61.9%	12.4%	
Car	3000	1997	1765	0.122	30.0	21.0	29.0	24.5	102.5	136	134	10.3	0.993	0.0447	36.9	2521	3781	95.5%	2.3%	2.2%	19.8%	0.1%	80.1%					99.9%		0.1%	69.1%	7.6%	
Car	3000	1998	1153	0.080	30.1	21.0	28.8	24.5	101.1	132	131	10.8	0.997	0.0436	37.0	2494	3741	94.6%	2.7%	2.7%	24.2%	0.3%	75.5%					99.0%		1.0%	57.4%	21.0%	
Car	3000	1999	924	0.061	30.1	20.9	28.4	24.4	99.9	128	128	10.9	1.001	0.0426	36.8	2455	3682	94.4%	2.5%	3.1%	26.9%	1.2%	72.0%					99.0%		1.0%	49.9%	24.9%	
Car	3000	2000	1470	0.089	30.6	21.3	28.6	24.7	102.0	126	127	10.6	1.007	0.0423	37.3	2544	3816	95.7%	1.2%	3.1%	21.2%	1.7%	77.1%					98.6%		1.4%	48.2%	17.3%	
Car	3000	2001	1255	0.080	31.6	21.8	29.1	25.3	102.5	125	129	10.4	1.031	0.0429	38.3	2628	3942	95.9%	0.7%	3.4%	22.8%	1.1%	74.8%	1.3%				98.6%		1.4%	56.5%	26.4%	1.3%
Car	3000	2002	1587	0.099	31.4	21.6	28.9	25.1	104.2	124	132	10.3	1.064	0.0440	38.0	2642	3963	98.1%	0.2%	1.7%	19.2%	0.4%	79.0%	1.4%				98.9%		1.1%	64.4%	27.7%	1.4%
Car	3000	2003	1776	0.113	32.8	22.4	29.8	26.0	104.4	121	133	10.1	1.098	0.0443	39.5	2747	4121	97.0%	1.4%	1.7%	19.4%		77.9%	2.7%				99.0%		1.0%	85.6%	40.1%	2.6%
Car	3000	2004	1576	0.100	33.5	22.5	30.4	26.4	105.5	123	136	9.9	1.103	0.0452	40.3	2842	4263	97.6%	1.2%	1.2%	15.2%		79.8%	5.0%				99.4%		0.6%	92.7%	46.5%	4.5%
Car	3000	2005	1738	0.109	34.2	23.0	30.6	26.8	106.1	121	135	9.8	1.110	0.0449	41.3	2935	4402	98.0%	0.8%	1.2%	15.9%		75.7%	8.4%				99.7%		0.3%	91.9%	62.6%	8.5%
Car	3000	2006	1673	0.111	34.9	23.3	31.4	27.3	103.4	120	139	9.7	1.156	0.0462	42.1	2913	4369	97.2%	1.2%	1.6%	17.0%		75.8%	7.2%				99.9%		0.1%	94.7%	71.7%	7.1%
Car	3000	2007	1780	0.116	36.4	24.3	32.4	28.4	104.5	120	137	9.7	1.143	0.0457	43.9	3081	4622	97.3%	0.8%	1.9%	14.3%		68.2%	17.5%			1.2%	98.8%			96.3%	55.9%	10.7%
Car	3000	2008	1660	0.119	37.5	25.1	33.2	29.2	104.2	118	135	9.8	1.145	0.0450	45.2	3156	4733	98.0%	0.9%	1.1%	12.0%		66.9%	21.1%			1.3%	98.7%			98.1%	63.8%	12.3%
Car	3000	2009	1565	0.168	38.4	25.7	33.9	29.8	104.2	115	135	9.8	1.171	0.0450	45.4	3161	4742	99.0%	0.7%	0.3%	9.8%		77.4%	12.8%			0.9%	99.1%			98.8%	79.4%	6.5%
Car	3000	2010	1809	0.163	38.2	25.5	33.8	29.6	105.4	116	138	9.8	1.196	0.0462	44.7	3136	4704	100.0%	0.0%		6.3%		83.2%	10.5%			1.1%	98.9%			97.2%	90.3%	2.8%
Car	3000	2011	1085	0.090	38.6	25.6	33.3	29.5	106.8	114	139	9.7	1.227	0.0463	44.4	3152	4729	99.9%	0.1%	0.0%	7.5%		76.3%	16.1%			3.1%	96.9%			97.0%	89.0%	2.8%
Car	3000	2012	1875	0.139	40.2	26.5	35.0	30.8	106.6	114	145	9.3	1.275	0.0483	46.4	3295	4942	99.2%	0.8%	0.0%	8.0%	1.4%	79.8%	10.8%			27.4%	72.6%			97.6%	98.0%	1.3%
Car	3000	2013	2113	0.139	40.3	26.7	35.2	31.0	107.1	112	146	9.3	1.309	0.0487	46.9	3343	5014	97.2%	0.8%	2.1%	8.1%	4.5%	77.4%	10.1%			21.3%	78.6%			97.7%	98.6%	1.0%
Car	3000	2014	1833	0.118	41.3	27.1	35.6	31.4	108.7	113	145	9.2	1.288	0.0485	47.8	3450	5176	98.8%	0.2%	1.0%	6.3%	8.7%	42.6%	42.4%			35.0%	64.5%			96.8%	97.2%	0.6%
Car	3000	2015	1764	0.105	41.8	27.5	36.0	31.7	108.3	111	144	9.2	1.294	0.0479	48.6	3488	5233	98.6%	0.2%	1.2%	6.3%	6.2%	37.5%	50.0%			25.9%	73.3%			96.9%	97.2%	0.5%
Car	3000	2016	1920	0.118	42.6	27.8	36.6	32.2	111.3	110	148	9.0	1.356	0.0493	49.1	3632	5447	98.2%	1.1%	0.7%	4.5%	7.2%	41.5%	46.8%			40.4%	59.2%			99.6%	99.6%	0.5%
Car	3000	2017	-	0.120	43.9	28.8	37.2	33.0	110.7	109	147	9.0	1.374	0.0489	50.4	3707	5561	98.5%	0.7%	0.8%	6.5%	1.6%	45.2%	46.7%			37.6%	62.0%			99.6%	99.6%	1.4%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	3500	1975	1029	0.101	18.2	14.3	17.1	15.5		227	102		0.463	0.0292	27.6					100.0%	19.3%	80.7%				91.6%		6.5%		1.9%			
Car	3500	1976	934	0.076	19.4	15.5	18.0	16.5		231	100		0.447	0.0286	29.2					100.0%	17.2%	82.8%				92.9%		5.7%		1.4%			
Car	3500	1977	724	0.051	20.2	16.1	18.8	17.2	102.4	232	104		0.458	0.0297	30.5	1789	3132			100.0%	16.2%	83.8%				91.1%		6.1%		2.7%			
Car	3500	1978	2992	0.207	20.2	15.8	19.2	17.2	111.1	257	120	13.8	0.468	0.0342	30.2	1919	3358			100.0%	4.7%	88.9%	6.4%			98.1%		1.4%		0.5%			
Car	3500	1979	2684	0.193	20.2	16.0	18.8	17.2	112.3	252	120	14.4	0.477	0.0342	30.1	1934	3385			100.0%	4.0%	79.1%	16.9%			97.9%		1.3%		0.8%			
Car	3500	1980	2148	0.190	20.7	16.3	19.8	17.7	111.3	244	115	15.1	0.477	0.0329	31.1	1980	3465	0.2%	0.4%	99.4%	3.1%	59.0%	37.9%			96.2%		2.2%		1.7%			
Car	3500	1981	1829	0.173	22.2	17.3	21.4	18.9	113.3	234	113	15.2	0.487	0.0322	33.3	2160	3780		0.5%	99.5%	3.4%	12.2%	84.4%			94.5%		3.0%		2.5%			
Car	3500	1982	1421	0.146	22.4	17.3	21.8	19.1	112.0	237	118	15.8	0.505	0.0338	33.8	2170	3798	0.5%	0.6%	98.9%	6.9%	4.7%	88.4%			85.6%		5.1%	4.4%	4.9%			
Car	3500	1983	1669	0.162	22.8	17.5	22.6	19.5	111.8	238	122	14.1	0.524	0.0348	34.3	2199	3848	0.9%	0.8%	98.2%	8.7%	7.9%	83.4%			83.0%		9.1%	5.3%	2.6%			
Car	3500	1984	2220	0.158	22.9	17.5	22.8	19.5	109.6	236	127	13.6	0.556	0.0363	34.5	2167	3792	8.2%	0.2%	91.6%	7.7%	3.5%	88.9%			63.0%		23.5%	12.1%	1.4%			
Car	3500	1985	2461	0.170	23.4	17.7	23.7	20.0	111.9	228	133	12.9	0.603	0.0379	35.1	2246	3930	35.2%	0.0%	64.8%	8.3%	2.9%	88.8%			29.5%		37.6%	32.3%	0.7%			
Car	3500	1986	2760	0.180	24.4	18.2	25.1	20.8	113.5	225	141	11.8	0.654	0.0404	36.5	2377	4160	49.2%	0.5%	50.4%	8.6%	2.9%	88.5%			19.9%		59.4%	20.7%	0.1%	1.1%		
Car	3500	1987	2521	0.170	24.6	18.0	25.7	20.9	114.0	217	147	11.6	0.703	0.0421	36.7	2399	4199	64.1%	0.4%	35.5%	8.8%	3.4%	87.8%			7.4%		77.1%	15.0%	0.4%	3.1%		
Car	3500	1988	2693	0.176	25.4	18.5	26.5	21.5	113.5	212	151	11.5	0.732	0.0431	37.9	2464	4312	72.8%	0.2%	27.0%	7.9%	2.4%	89.7%			0.3%		88.2%	11.4%		6.1%		
Car	3500	1989	2688	0.186	25.1	18.2	26.2	21.3	114.2	207	151	11.1	0.751	0.0431	37.4	2444	4278	80.6%	0.2%	19.2%	6.8%	5.0%	88.2%					87.8%	12.2%	0.0%	7.7%		
Car	3500	1990	2704	0.214	25.5	18.3	26.4	21.5	113.0	194	150	10.5	0.795	0.0430	37.7	2443	4275	84.5%	1.9%	13.6%	6.3%	4.1%	89.6%					97.2%	2.8%	0.0%	12.6%		
Car	3500	1991	2137	0.170	25.4	18.2	26.0	21.3	111.2	195	156	10.4	0.822	0.0446	37.4	2386	4176	79.7%	2.7%	17.6%	7.4%	4.4%	88.3%					96.0%	3.9%	0.1%	16.4%	0.1%	
Car	3500	1992	2822	0.232	25.6	18.2	26.2	21.5	113.6	192	155	10.3	0.829	0.0442	37.6	2447	4283	78.6%	1.7%	19.7%	5.2%	2.5%	92.2%					98.0%	1.9%	0.1%	24.0%	2.4%	
Car	3500	1993	2848	0.216	26.0	18.5	26.5	21.7	114.2	194	156	9.6	0.825	0.0447	38.2	2495	4365	87.5%	1.6%	10.8%	4.6%	1.7%	93.7%					99.6%	0.4%		24.4%	2.6%	
Car	3500	1994	2770	0.196	26.1	18.4	26.5	21.7	111.7	191	156	9.5	0.837	0.0445	38.2	2438	4266	84.8%	0.9%	14.2%	7.4%	1.0%	91.5%					100.0%			26.2%	9.0%	
Car	3500	1995	3628	0.240	26.4	18.5	26.9	22.0	111.9	188	166	9.4	0.906	0.0473	38.5	2466	4315	79.4%	1.4%	19.2%	7.1%	1.0%	91.8%					100.0%			37.4%	10.5%	
Car	3500	1996	3154	0.240	26.5	18.5	26.6	22.0	111.5	181	164	9.8	0.925	0.0470	38.5	2455	4297	89.0%	2.5%	8.6%	7.5%	0.8%	91.8%					99.8%		0.2%	47.0%	12.3%	
Car	3500	1997	3196	0.221	26.7	18.5	26.8	22.1	112.4	181	170	9.6	0.957	0.0486	38.7	2488	4353	88.8%	2.9%	8.3%	6.2%	0.0%	93.8%					99.9%		0.1%	48.7%	12.5%	
Car	3500	1998	3995	0.276	27.1	18.6	27.0	22.3	111.5	178	170	9.9	0.969	0.0485	39.2	2494	4365	88.0%	2.7%	9.3%	5.7%	0.0%	94.2%					100.0%			55.1%	17.8%	
Car	3500	1999	4610	0.303	27.2	18.6	26.8	22.3	110.8	174	170	9.9	0.993	0.0486	39.1	2476	4333	90.0%	2.6%	7.4%	5.9%	0.4%	93.7%					100.0%			63.4%	16.5%	
Car	3500	2000	4665	0.282	27.1	18.5	26.7	22.2	111.5	175	174	9.3	1.013	0.0498	38.9	2479	4339	88.4%	2.5%	9.1%	6.4%	0.6%	93.0%					100.0%			65.7%	22.5%	
Car	3500	2001	4313	0.276	27.2	18.5	26.5	22.1	110.6	174	177	9.1	1.029	0.0505	38.9	2461	4307	88.8%	1.9%	9.3%	7.1%	0.5%	92.4%					99.9%		0.1%	64.8%	21.4%	
Car	3500	2002	4294	0.266	27.7	18.7	26.6	22.4	112.5	176	183	9.0	1.063	0.0524	39.4	2533	4433	88.3%	2.6%	9.1%	7.7%	0.2%	92.0%	0.1%				99.7%		0.3%	67.8%	33.6%	
Car	3500	2003	4119	0.261	28.0	18.7	26.9	22.6	111.1	175	185	8.8	1.076	0.0528	39.7	2529	4426	87.1%	1.7%	11.2%	8.5%		91.3%	0.2%				99.7%		0.3%	66.6%	40.7%	
Car	3500	2004	3561	0.227	28.1	18.7	26.9	22.6	110.4	176	188	8.7	1.097	0.0538	39.8	2516	4404	84.1%	2.6%	13.3%	8.6%	0.5%	90.7%	0.2%				99.6%		0.4%	66.6%	37.6%	
Car	3500	2005	3265	0.205	28.9	19.2	27.3	23.1	111.8	170	185	8.8	1.111	0.0528	40.7	2608	4563	85.9%	4.4%	9.7%	7.2%	0.3%	92.4%	0.1%				99.4%		0.6%	70.6%	47.3%	0.6%
Car	3500	2006	3024	0.200	29.2	19.3	27.4	23.2	111.4	167	188	8.7	1.144	0.0537	41.0	2618	4581	85.4%	4.1%	10.5%	8.8%	0.2%	91.0%					98.6%		1.4%	78.5%	57.4%	
Car	3500	2007	3016	0.197	29.9	19.9	28.0	23.8	110.3	160	184	8.9	1.163	0.0525	42.0	2657	4651	86.7%	3.7%	9.5%	8.1%		79.7%	12.2%			0.2%	99.8%			87.1%	67.8%	0.2%
Car	3500	2008	2458	0.177	30.6	20.3	28.4	24.3	110.8	155	184	8.9	1.195	0.0525	42.8	2720	4760	86.7%	6.1%	7.2%	7.8%		75.7%	16.5%			2.5%	97.5%			93.9%	63.3%	0.3%
Car	3500	2009	2191	0.235	31.7	21.0	29.5	25.1	113.2	149	177	8.9	1.193	0.0507	44.2	2865	5013	89.4%	5.6%	5.0%	5.6%	0.2%	80.7%	13.6%			3.0%	95.3%		1.7%	98.1%	78.4%	0.5%
Car	3500	2010	2345	0.211	34.6	22.9	31.6	27.2	113.6	147	173	8.9	1.172	0.0495	49.8	3248	5685	92.1%	3.6%	4.3%	4.7%	4.2%	66.9%	24.2%			3.2%	94.3%		2.6%	98.1%	94.9%	10.9%
Car	3500	2011	2546	0.212	34.9	22.8	32.0	27.3	113.2	144	179	8.7	1.248	0.0510	49.1	3185	5575	89.4%	5.2%	5.4%	4.9%	0.7%	77.0%	17.5%			16.8%	80.7%		2.2%	99.2%	96.5%	6.4%
Car	3500	2012	3348	0.249	36.0	23.7	32.7	28.1	113.9	142	175	8.8	1.249	0.0500	50.6	3301	5777	92.6%	4.2%	3.1%	3.9%	2.5%	73.4%	20.1%			16.9%	80.2%		2.6%	99.3%	96.4%	7.5%
Car	3500	2013	3446	0.227	37.5	24.6	33.8	29.1	112.8	139	182	8.5	1.327	0.0520	53.0	3427	5998	89.8%	4.7%	5.5%	4.3%	1.5%	63.6%	30.6%			38.8%	57.3%		3.1%	98.8%	95.6%	7.1%
Car	3500	2014	3174	0.205	37.9	24.8	33.9	29.3	112.6	137	180	8.6	1.343	0.0514	52.7	3405	5959	89.2%	4.7%	6.1%	3.9%	1.0%	67.4%	27.8%			41.2%	55.3%		3.1%	98.5%	96.3%	6.0%
Car	3500	2015	3459	0.207	39.2	25.4	35.1	30.2	113.8	139	181	8.5	1.330	0.0517	54.9			89.5%	6.2%	4.3%	3.4%	1.1%	64.4%	31.1%			47.1%	50.4%		1.5%	98.2%	97.2%	6.5%
Car	3500	2016	2856	0.176	38.9	25.2	35.0	30.0	113.1	137	184	8.4	1.380	0.0526	54.4			87.5%	6.6%	5.9%	3.8%	2.9%	65.7%	27.6%			53.8%	45.3%		0.0%	98.3%	99.1%	4.7%
Car	3500	2017	-	0.194	40.4	26.4	35.4	30.9	114.3	134	177	8.5	1.354	0.0506	57.3	3753	6568	87.4%	8.1%	4.5%	3.9%	6.9%	51.3%	37.9%			60.3%	38.2%		0.3%	98.3%	98.2%	10.1%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	4000	1975	1089	0.106	15.6	12.4	14.5	13.3		292	130		0.443	0.0325	27.0					100.0%	7.6%	92.4%				99.4%		0.6%					
Car	4000	1976	1977	0.160	17.7	14.0	16.5	15.0		280	122		0.433	0.0305	30.4					100.0%	6.9%	93.1%				99.0%		0.4%		0.6%			
Car	4000	1977	3323	0.235	17.9	14.2	16.7	15.2	113.5	293	133		0.453	0.0333	30.6	1739	3477			100.0%	3.3%	96.7%				99.1%		0.5%		0.4%			
Car	4000	1978	2235	0.155	18.0	14.1	17.1	15.3	114.9	306	145	13.1	0.474	0.0362	30.9	1782	3563	0.0%		100.0%	3.0%	86.5%	10.4%			98.4%		0.9%		0.7%			
Car	4000	1979	2643	0.190	17.8	14.0	16.7	15.1	119.6	311	147	13.4	0.472	0.0367	30.5	1830	3660	5.3%		94.7%	2.2%	87.4%	10.4%			94.8%		2.8%		2.3%			
Car	4000	1980	1316	0.116	18.8	14.6	18.3	16.1	122.4	302	136	14.4	0.453	0.0339	32.6	2003	4007	10.9%	2.3%	86.7%	0.9%	59.1%	40.1%			83.0%		2.5%	4.9%	9.6%			
Car	4000	1981	1313	0.124	20.3	15.5	20.3	17.3	123.2	296	134	14.4	0.458	0.0334	35.2	2171	4343	11.1%	0.9%	88.0%	0.9%	16.3%	82.8%			75.3%		1.2%	10.3%	13.2%			
Car	4000	1982	1215	0.125	20.6	15.6	20.9	17.6	126.4	287	135	15.0	0.479	0.0339	35.6	2244	4487	11.1%	1.3%	87.6%		10.4%	89.6%			70.0%		1.8%	18.7%	9.4%			
Car	4000	1983	1446	0.140	20.3	15.4	20.6	17.4	126.7	287	139	13.5	0.490	0.0348	35.0	2211	4422	12.5%	1.3%	86.2%		5.4%	94.6%			55.7%		2.0%	38.0%	4.4%			
Car	4000	1984	1702	0.121	20.6	15.5	20.9	17.6	126.3	289	139	13.4	0.485	0.0347	35.3	2225	4449	12.8%	1.1%	86.2%		4.2%	95.8%			53.9%		2.1%	41.1%	2.8%			
Car	4000	1985	1671	0.116	21.7	16.4	22.3	18.6	125.3	294	148	12.6	0.508	0.0371	37.3	2337	4674	13.0%	0.0%	86.9%	0.1%	5.2%	94.8%			52.7%		3.8%	41.4%	2.0%			
Car	4000	1986	918	0.060	22.1	16.5	22.6	18.8	124.9	299	154	11.8	0.520	0.0384	37.8	2366	4733	0.2%	0.7%	99.1%	0.2%	7.3%	92.5%			46.8%		48.3%	4.4%	0.5%	1.1%		
Car	4000	1987	912	0.061	21.7	16.3	22.0	18.5	122.2	294	157	11.8	0.551	0.0392	37.1	2275	4550	1.1%	0.4%	98.5%	3.6%	8.5%	87.9%			44.7%		50.9%	3.2%	1.2%	4.5%		
Car	4000	1988	829	0.054	22.2	16.4	22.7	18.8	125.8	289	160	11.8	0.569	0.0400	37.9	2392	4783	6.3%	0.3%	93.4%	1.6%	5.8%	92.7%			22.8%		75.0%	2.2%		5.5%		
Car	4000	1989	860	0.060	23.0	16.8	23.5	19.4	125.1	275	155	11.7	0.576	0.0386	39.1	2447	4894	8.9%	0.0%	91.1%	2.5%	5.0%	92.5%			2.0%		84.4%	13.6%		4.0%		
Car	4000	1990	986	0.078	23.0	16.7	23.7	19.4	123.1	263	165	10.6	0.643	0.0412	39.0	2400	4800	33.2%	0.1%	66.7%	1.8%	2.6%	95.5%					95.3%	4.6%	0.1%	10.5%	5.5%	
Car	4000	1991	1114	0.089	23.3	16.7	24.1	19.6	124.9	265	187	9.8	0.718	0.0466	39.4	2459	4918	38.6%	0.9%	60.5%	1.9%	2.6%	95.4%					86.8%	12.9%	0.4%	10.4%	6.1%	
Car	4000	1992	1166	0.096	23.4	16.7	24.1	19.7	123.4	258	198	9.3	0.788	0.0495	39.5	2440	4881	41.3%	1.9%	56.8%	1.6%	1.2%	97.3%					94.8%	5.2%		20.5%	8.5%	
Car	4000	1993	1059	0.080	23.6	16.7	24.1	19.7	121.9	253	198	8.7	0.806	0.0494	39.6	2415	4829	39.2%	0.7%	60.1%	0.9%	2.0%	97.1%					95.7%	4.3%		31.4%	8.1%	
Car	4000	1994	1342	0.095	23.5	16.6	24.0	19.6	121.5	248	204	8.5	0.842	0.0510	39.3	2390	4780	45.6%	0.2%	54.2%	0.8%	1.8%	97.3%					100.0%			41.7%	6.0%	
Car	4000	1995	1281	0.085	23.5	16.4	24.2	19.6	121.3	253	219	8.3	0.885	0.0547	39.3	2386	4773	44.7%	0.6%	54.7%	1.2%	2.5%	96.4%					99.6%		0.4%	41.9%	6.8%	
Car	4000	1996	1093	0.083	23.9	16.6	24.6	19.9	124.1	249	218	8.7	0.885	0.0546	39.9	2476	4953	51.6%	0.7%	47.7%	1.1%	1.8%	97.1%					99.8%		0.2%	48.3%	4.2%	
Car	4000	1997	1259	0.087	23.8	16.4	24.3	19.8	123.1	249	225	8.6	0.913	0.0562	39.6	2440	4879	50.7%	0.9%	48.4%	1.0%		99.0%					99.8%		0.2%	48.2%	7.0%	
Car	4000	1998	918	0.064	23.8	16.4	24.0	19.7	123.0	247	234	8.5	0.963	0.0585	39.5	2427	4854	50.5%	4.4%	45.2%	1.2%		98.8%					99.6%		0.4%	54.9%	12.2%	
Car	4000	1999	1179	0.077	24.2	16.4	24.5	19.9	123.5	238	233	8.5	1.003	0.0582	40.0	2469	4938	55.1%	3.8%	41.1%	1.5%		98.5%					99.6%		0.4%	59.5%	11.4%	
Car	4000	2000	1382	0.083	24.4	16.5	24.5	20.0	122.3	235	240	8.0	1.036	0.0600	40.2	2459	4918	55.7%	4.0%	40.3%	2.1%		97.9%					100.0%			52.2%	13.4%	
Car	4000	2001	1331	0.085	24.6	16.6	24.5	20.2	121.2	227	226	8.2	1.021	0.0565	40.5	2455	4910	51.4%	12.9%	35.7%	3.3%		96.7%					100.0%			60.3%	19.4%	
Car	4000	2002	1256	0.078	24.8	16.7	24.3	20.2	116.6	223	230	8.2	1.052	0.0574	40.5	2369	4738	51.9%	15.7%	32.4%	2.5%		97.3%	0.2%				100.0%			70.5%	23.1%	
Car	4000	2003	1013	0.064	25.1	16.8	24.5	20.4	114.0	215	233	8.1	1.106	0.0584	40.9	2343	4686	46.2%	16.8%	37.0%	3.1%		96.0%	0.9%				100.0%			77.5%	26.4%	
Car	4000	2004	1287	0.082	25.4	16.8	24.9	20.6	113.7	211	239	7.9	1.147	0.0596	41.4	2359	4719	61.0%	17.1%	22.0%	3.7%		95.8%	0.5%				99.9%		0.1%	82.2%	47.9%	
Car	4000	2005	1637	0.103	25.7	16.9	25.0	20.7	115.1	214	240	7.8	1.138	0.0600	41.7	2406	4812	53.4%	13.3%	33.3%	4.1%		93.0%	2.9%				99.4%		0.6%	78.7%	44.2%	
Car	4000	2006	2241	0.148	26.0	17.2	25.1	21.0	116.3	215	245	7.7	1.159	0.0613	42.2	2459	4917	52.5%	10.4%	37.1%	3.9%	0.0%	93.3%	2.8%				99.8%		0.2%	76.5%	56.6%	0.2%
Car	4000	2007	2197	0.144	27.0	17.8	25.9	21.7	114.4	208	241	7.8	1.177	0.0603	43.9	2513	5026	64.5%	12.1%	23.3%	3.4%		89.3%	7.3%				99.9%		0.1%	75.1%	70.4%	3.3%
Car	4000	2008	2284	0.164	26.9	17.7	26.1	21.7	113.6	209	247	7.7	1.202	0.0619	43.7	2487	4974	60.2%	12.4%	27.3%	3.8%	0.0%	92.4%	3.8%			5.8%	94.1%		0.2%	75.6%	65.9%	1.5%
Car	4000	2009	1315	0.141	27.5	18.1	26.4	22.1	113.0	208	251	7.4	1.219	0.0628	44.8	2534	5067	60.2%	13.6%	26.3%	2.2%	0.1%	89.1%	8.6%			11.1%	88.7%		0.2%	76.1%	81.6%	4.1%
Car	4000	2010	1399	0.126	27.7	18.3	26.6	22.2	112.1	213	262	7.4	1.239	0.0654	45.2	2532	5063	51.4%	11.8%	36.8%	4.8%	0.7%	84.3%	10.1%			17.4%	82.4%		0.1%	81.7%	84.0%	4.7%
Car	4000	2011	1478	0.123	28.3	18.6	27.0	22.6	111.5	207	262	7.3	1.282	0.0656	45.9	2558	5116	56.5%	13.7%	29.8%	3.9%	0.8%	87.5%	7.7%			21.9%	77.5%		0.5%	84.5%	94.1%	2.5%
Car	4000	2012	1387	0.103	29.4	19.3	28.2	23.5	111.4	203	273	6.9	1.359	0.0683	48.6	2707	5414	54.9%	13.0%	32.0%	4.1%	2.0%	82.9%	11.0%			38.2%	61.7%			98.8%	99.6%	7.8%
Car	4000	2013	1744	0.115	31.5	20.7	29.7	25.0	111.5	191	268	7.0	1.430	0.0669	53.7	3001	6001	57.3%	15.8%	26.9%	3.3%	1.6%	81.1%	13.9%			43.9%	56.0%			99.0%	99.3%	14.7%
Car	4000	2014	1735	0.112	31.5	20.6	29.5	24.9	111.7	190	271	6.9	1.463	0.0677	52.1	2917	5834	53.3%	16.4%	30.3%	3.6%	1.1%	80.2%	15.1%			47.5%	51.9%		0.3%	98.7%	97.9%	11.4%
Car	4000	2015	1746	0.104	32.0	20.9	29.9	25.2	111.9	186	271	6.9	1.511	0.0679	52.3			44.6%	23.9%	31.5%	3.8%	1.7%	80.6%	13.9%			49.9%	48.6%		1.4%	98.3%	97.2%	8.6%
Car	4000	2016	1487	0.091	32.3	21.1	30.2	25.4	111.8	183	270	6.9	1.532	0.0676	53.8			47.8%	22.6%	29.6%	3.2%	1.5%	79.2%	16.1%			52.5%	47.2%		0.1%	97.5%	99.6%	7.8%
Car	4000	2017	-	0.108	34.3	22.5	31.3	26.8	110.5	175	264	6.9	1.578	0.0661	61.2			42.8%	27.2%	30.0%	3.5%	4.3%	72.0%	20.2%			54.8%	41.8%		0.4%	94.3%	96.4%	11.1%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine								Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	4500	1975	1791	0.175	14.3	11.1	13.7	12.2		347	158		0.455	0.0351	27.7			0.9%		99.1%	0.6%	99.4%				98.4%		1.6%					
Car	4500	1976	2223	0.180	15.7	12.3	15.1	13.4		346	157		0.454	0.0349	30.4			2.0%		98.0%	0.1%	99.9%				97.7%		2.3%					
Car	4500	1977	3496	0.248	16.5	13.0	15.6	14.1	118.7	346	157		0.454	0.0349	31.9	1680	3780	1.3%		98.7%	0.1%	99.9%				98.4%		1.6%					
Car	4500	1978	1997	0.138	16.3	12.6	16.1	13.9	123.8	356	161	13.1	0.453	0.0358	31.6	1739	3912	2.7%		97.3%		87.1%	12.9%			95.3%		3.1%		1.5%			
Car	4500	1979	1528	0.110	16.5	12.8	15.9	14.0	127.6	353	157	13.5	0.445	0.0349	31.9	1808	4068	4.4%		95.6%	0.0%	90.7%	9.3%			91.1%		3.4%		5.5%			
Car	4500	1980	363	0.032	19.0	14.4	19.0	16.2	137.3	350	137	15.1	0.394	0.0305	37.3	2273	5115	7.5%		92.5%	0.0%	45.8%	54.2%			71.3%		0.0%		28.7%			
Car	4500	1981	318	0.030	20.4	15.4	20.9	17.5	137.1	343	127	15.8	0.374	0.0282	40.4	2459	5532	8.6%		91.4%		38.3%	61.7%			26.1%			29.7%	44.2%			
Car	4500	1982	183	0.019	21.0	15.8	21.6	17.9	148.3	323	127	16.7	0.401	0.0283	41.5	2696	6067	6.3%		93.7%	0.0%	0.1%	99.8%			54.7%				45.3%			
Car	4500	1983	188	0.018	19.9	14.8	20.8	17.0	146.6	311	143	13.9	0.463	0.0318	38.7	2512	5651	1.4%		98.6%	0.0%		100.0%			87.7%				12.3%			
Car	4500	1984	185	0.013	20.2	15.1	21.0	17.3	152.0	308	148	13.5	0.482	0.0329	39.0	2630	5918	0.6%		99.4%	0.0%		100.0%			95.8%				4.2%			
Car	4500	1985	104	0.007	21.0	15.6	22.1	18.0	160.2	306	150	13.2	0.490	0.0333	40.5	2884	6490	0.1%		99.9%	0.0%		100.0%			98.9%			0.0%	1.1%			
Car	4500	1986	101	0.007	21.5	15.9	22.5	18.3	156.5	308	150	12.8	0.485	0.0333	41.5	2903	6532			100.0%	0.0%	8.7%	91.2%			91.3%		8.7%					
Car	4500	1987	78	0.005	22.3	16.3	23.5	19.0	160.2	306	140	13.4	0.458	0.0311	42.7	3043	6846			100.0%	0.0%		100.0%			99.9%		0.1%					
Car	4500	1988	105	0.007	22.6	16.6	23.3	19.2	144.8	305	144	13.4	0.474	0.0321	43.4	2797	6293			100.0%	0.0%		100.0%			97.1%		2.9%					
Car	4500	1989	87	0.006	21.8	16.0	22.2	18.4	141.1	306	151	12.7	0.494	0.0336	41.7	2638	5936			100.0%	0.0%	3.8%	96.2%			92.0%		8.0%					
Car	4500	1990	67	0.005	20.3	14.8	20.9	17.2	130.1	322	179	10.8	0.555	0.0397	39.2	2306	5189			100.0%		15.6%	84.4%			48.9%		20.5%	30.5%		4.2%		
Car	4500	1991	73	0.006	20.9	15.0	21.7	17.7	133.6	312	201	10.1	0.648	0.0448	40.2	2445	5500			100.0%	0.7%	17.2%	82.1%					26.2%	73.8%		11.6%	3.2%	
Car	4500	1992	113	0.009	22.1	15.5	23.3	18.6	137.2	334	191	10.0	0.587	0.0424	42.1	2590	5828			100.0%	0.2%	10.2%	89.6%					12.2%	87.8%		5.0%	5.5%	
Car	4500	1993	85	0.006	22.1	15.4	23.8	18.7	141.4	339	187	9.5	0.567	0.0416	42.1	2658	5981			100.0%	0.2%	3.8%	96.0%					10.6%	89.4%		9.3%	3.1%	
Car	4500	1994	88	0.006	22.4	15.6	23.4	18.8	136.8	344	255	7.6	0.747	0.0567	42.5	2602	5854			100.0%	0.2%	6.3%	93.6%					100.0%			8.9%	7.0%	
Car	4500	1995	111	0.007	22.4	15.6	23.2	18.7	127.7	310	257	7.8	0.867	0.0572	42.3	2413	5429		0.5%	99.5%	0.5%	17.1%	82.4%					100.0%			35.3%	6.0%	
Car	4500	1996	96	0.007	22.9	15.8	23.8	19.1	131.5	324	260	8.1	0.826	0.0579	43.1	2525	5681		0.4%	99.6%	0.4%	9.0%	90.6%					100.0%			23.6%	15.0%	
Car	4500	1997	37	0.003	22.2	15.5	22.1	18.4	109.0	257	272	7.9	1.061	0.0604	41.5	2025	4557			100.0%	0.1%		99.9%					100.0%			97.7%	79.9%	
Car	4500	1998	30	0.002	22.0	15.3	22.0	18.2	100.0	272	288	7.7	1.065	0.0641	41.1	1842	4144		0.0%	100.0%	0.2%		99.8%					100.0%			95.7%	99.2%	
Car	4500	1999	24	0.002	22.2	15.3	21.9	18.3	93.1	264	278	7.9	1.066	0.0619	41.2	1722	3873			100.0%	0.1%		99.9%					100.0%			100.0%	61.9%	
Car	4500	2000	67	0.004	21.9	15.1	21.5	18.0	114.8	281	288	7.3	1.026	0.0640	40.6	2080	4679		1.0%	99.0%	0.3%		99.7%					100.0%			96.6%	26.1%	
Car	4500	2001	78	0.005	22.0	15.0	21.6	18.0	117.3	270	284	7.3	1.070	0.0631	40.7	2122	4774		11.4%	88.6%	1.1%		98.9%					100.0%			94.6%	34.8%	
Car	4500	2002	95	0.006	22.3	15.2	21.6	18.2	123.6	274	267	7.8	0.990	0.0594	41.0	2254	5072		6.9%	93.1%	0.7%		99.3%					100.0%			61.6%	20.8%	
Car	4500	2003	278	0.018	23.2	15.5	22.9	18.9	128.6	279	255	8.1	0.919	0.0567	42.6	2443	5496		3.6%	96.4%	0.2%		99.8%					100.0%			22.6%	8.3%	
Car	4500	2004	317	0.020	22.9	15.2	22.7	18.7	132.6	267	252	8.1	0.956	0.0560	42.1	2477	5574	14.3%	7.2%	78.5%	0.4%		99.6%					100.0%			44.2%	18.9%	
Car	4500	2005	355	0.022	23.1	15.4	22.4	18.7	132.1	283	272	7.7	0.967	0.0605	42.2	2481	5582	13.9%	9.6%	76.5%	0.4%	0.4%	99.3%					100.0%			33.2%	16.6%	
Car	4500	2006	371	0.025	22.6	14.9	22.3	18.4	132.0	289	296	7.3	1.030	0.0658	41.5	2436	5482	15.8%	9.9%	74.2%	0.1%	0.4%	99.4%					100.0%			41.9%	19.9%	
Car	4500	2007	328	0.022	22.5	14.8	22.3	18.3	124.9	295	312	7.1	1.060	0.0694	41.5	2301	5178	13.3%	8.0%	78.7%	0.1%	0.2%	99.6%					100.0%			52.3%	21.8%	1.0%
Car	4500	2008	297	0.021	22.4	14.7	22.2	18.2	122.0	284	303	7.3	1.079	0.0674	41.2	2236	5030	3.8%	19.3%	76.9%	0.8%	0.9%	98.3%				6.0%	94.0%			51.6%	34.3%	0.3%
Car	4500	2009	183	0.020	23.3	15.4	22.9	18.9	115.1	280	316	6.9	1.149	0.0702	42.8	2201	4953	8.9%	27.8%	63.3%	5.6%	1.1%	93.3%				12.2%	87.8%			59.3%	68.7%	0.3%
Car	4500	2010	221	0.020	24.1	15.9	23.7	19.6	117.5	267	315	7.0	1.214	0.0700	44.3	2315	5210	3.6%	41.3%	55.1%	5.4%	0.6%	93.9%	0.1%			24.3%	75.7%			62.9%	75.2%	0.1%
Car	4500	2011	326	0.027	24.8	16.4	24.4	20.1	116.4	259	323	6.8	1.288	0.0719	45.7	2368	5328	7.6%	39.5%	52.9%	2.8%	0.6%	96.6%	0.1%			42.6%	56.4%		1.0%	70.7%	81.6%	0.1%
Car	4500	2012	246	0.018	25.7	16.9	25.2	20.8	114.1	262	356	6.2	1.397	0.0791	48.9	2488	5597	1.5%	43.2%	55.3%	4.6%	2.7%	92.7%				58.2%	39.7%		0.9%	74.3%	90.2%	0.6%
Car	4500	2013	308	0.020	26.9	17.6	26.4	21.8	115.5	256	357	6.2	1.436	0.0793	56.5	2918	6565	3.0%	50.0%	47.0%	4.1%	7.5%	88.0%	0.4%			53.1%	40.7%		0.4%	71.0%	89.0%	0.9%
Car	4500	2014	360	0.023	27.7	18.2	26.9	22.3	114.0	245	342	6.3	1.438	0.0760	56.1	2859	6433	1.5%	45.6%	52.8%	2.8%	6.7%	90.6%	0.0%			58.0%	34.0%		3.7%	77.0%	90.8%	1.0%
Car	4500	2015	275	0.016	26.4	17.2	26.0	21.3	115.4	251	360	6.1	1.484	0.0800	50.7	2603	5858	1.4%	43.6%	55.0%	5.2%	4.6%	90.2%	0.0%			58.4%	38.5%		1.4%	75.6%	95.1%	0.3%
Car	4500	2016	287	0.018	26.8	17.5	26.2	21.6	115.1	250	367	6.0	1.518	0.0816	50.4	2579	5803	0.7%	51.8%	47.5%	4.4%	3.5%	91.9%	0.2%			56.6%	41.1%		1.4%	73.4%	97.7%	0.6%
Car	4500	2017	-	0.016	26.4	17.2	25.8	21.3	115.5	239	374	5.9	1.648	0.0831	48.7	2499	5624	7.6%	50.5%	41.9%	3.1%	2.1%	94.6%	0.2%			63.4%	36.6%			78.2%	93.6%	1.8%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	5000	1975	1505	0.147	12.9	10.0	12.5	11.0		388	166		0.429	0.0333	27.8					100.0%		100.0%				100.0%							
Car	5000	1976	1495	0.121	14.6	11.5	13.9	12.5		378	166		0.440	0.0333	31.2			0.3%		99.7%		100.0%				100.0%							
Car	5000	1977	1051	0.074	14.1	10.9	13.8	12.1	129.7	387	175		0.453	0.0351	30.3	1571	3927	3.3%		96.7%		100.0%				99.3%		0.7%					
Car	5000	1978	477	0.033	14.6	11.1	14.5	12.4	132.3	403	179	13.1	0.445	0.0358	31.3	1663	4157	4.9%		95.1%		85.9%	14.1%			98.7%		0.4%		0.9%			
Car	5000	1979	182	0.013	14.4	11.1	14.2	12.3	126.5	396	169	13.5	0.426	0.0339	31.3	1587	3968			100.0%		100.0%				90.0%		0.9%		9.1%			
Car	5000	1980	2	0.000	12.5	9.9	11.9	10.7	121.9	382	156	14.5	0.409	0.0313	26.8	1320	3299			100.0%		100.0%				93.3%		6.7%					
Car	5000	1981	2	0.000	11.7	9.3	11.1	10.0	122.2	387	156	14.5	0.402	0.0311	25.1	1231	3078			100.0%		100.0%						42.6%	57.4%				
Car	5000	1982	2	0.000	11.2	8.8	10.6	9.5	121.4	378	176	14.6	0.482	0.0353	23.8	1160	2900			100.0%		85.8%	14.2%			14.2%		44.2%	41.5%				
Car	5000	1983	1	0.000	11.5	9.1	10.9	9.8	126.4	373	157	14.2	0.426	0.0314	24.6	1246	3115			100.0%		93.5%	6.5%			6.5%		19.3%	74.2%				
Car	5000	1984	2	0.000	11.2	8.8	10.6	9.5	122.1	374	176	13.4	0.485	0.0351	23.9	1171	2928			100.0%		84.2%	15.8%			15.8%		37.4%	46.8%				
Car	5000	1985	1	0.000	10.9	8.5	10.3	9.2	113.5	394	187	12.5	0.494	0.0375	23.1	1050	2626			100.0%		83.7%	16.3%			16.3%		83.7%					
Car	5000	1986	1	0.000	10.7	8.3	10.2	9.1	114.2	378	205	11.4	0.574	0.0409	22.8	1039	2598			100.0%		69.4%	30.6%			30.6%		69.4%					
Car	5000	1987	1	0.000	11.4	9.0	10.6	9.7	113.0	410	191	11.8	0.466	0.0382	24.2	1095	2738			100.0%		98.2%	1.8%					100.0%					
Car	5000	1988	1	0.000	12.3	9.5	11.7	10.4	112.0	408	207	11.3	0.509	0.0413	26.1	1170	2925			100.0%		95.1%	4.9%					100.0%					
Car	5000	1989	1	0.000	12.4	9.5	11.7	10.4	112.9	410	206	10.9	0.502	0.0411	26.1	1180	2950			100.0%		100.0%						100.0%					
Car	5000	1990	0	0.000	10.9	8.2	10.7	9.2	95.9	326	240	9.4	0.736	0.0480	23.1	885	2212			100.0%			100.0%					100.0%					
Car	5000	1991																															
Car	5000	1992	10	0.001	17.3	12.8	16.7	14.5	126.0	283	297	8.3	1.041	0.0594	36.8	1851	4628			100.0%		100.0%						89.1%		10.9%	89.1%	89.1%	
Car	5000	1993	16	0.001	18.9	13.9	18.3	15.8	125.8	247	263	8.3	1.072	0.0526	39.7	1996	4989			100.0%		100.0%						100.0%			93.5%	59.7%	
Car	5000	1994	11	0.001	20.4	14.6	20.2	17.0	124.5	254	266	8.2	1.051	0.0532	43.0	2142	5354			100.0%		100.0%						94.0%		6.0%	94.0%	65.1%	
Car	5000	1995	16	0.001	19.6	14.1	19.0	16.3	119.6	284	298	7.9	1.048	0.0595	40.9	1962	4904			100.0%		100.0%						97.3%		2.7%	97.3%	97.3%	
Car	5000	1996	7	0.001	19.9	13.9	20.3	16.6	125.5	286	303	7.7	1.058	0.0605	41.7	2093	5232			100.0%			100.0%					100.0%			100.0%	100.0%	
Car	5000	1997	10	0.001	20.2	14.0	20.5	16.8	125.1	288	304	7.7	1.057	0.0608	42.1	2108	5269			100.0%			100.0%					100.0%			100.0%	100.0%	
Car	5000	1998	6	0.000	20.2	14.0	20.2	16.7	126.1	283	299	8.0	1.059	0.0598	41.9	2114	5286			100.0%			100.0%					100.0%			100.0%	100.0%	
Car	5000	1999	8	0.001	19.7	13.6	19.5	16.3	124.0	290	307	7.8	1.060	0.0613	40.8	2030	5075			100.0%			100.0%					100.0%			92.0%	93.0%	
Car	5000	2000	1	0.000	18.3	12.4	18.8	15.2	120.1	325	324	7.1	0.996	0.0648	38.0	1827	4567			100.0%			100.0%					100.0%			100.0%	100.0%	
Car	5000	2001	1	0.000	18.2	12.3	18.7	15.1	120.1	327	325	7.0	0.995	0.0650	37.7	1814	4534			100.0%			100.0%					100.0%			2.3%	98.8%	
Car	5000	2002	0	0.000	19.1	13.5	17.7	15.5	121.2	303	302	7.5	0.997	0.0604	38.8	1880	4700			100.0%			100.0%					100.0%			100.0%		
Car	5000	2003	1	0.000	20.3	13.3	21.0	16.8	122.5	364	429	5.8	1.179	0.0858	41.9	2053	5133			100.0%			100.0%					100.0%			100.0%	100.0%	
Car	5000	2004	54	0.003	21.7	14.9	20.3	17.5	164.2	218	253	8.9	1.161	0.0506	43.8	2880	7200		98.1%	1.9%			100.0%					100.0%			100.0%	1.0%	
Car	5000	2005	70	0.004	21.7	14.7	20.6	17.5	164.1	218	254	8.8	1.163	0.0508	43.9	2883	7207	30.8%	67.6%	1.5%			100.0%					100.0%			100.0%	1.9%	
Car	5000	2006	25	0.002	21.5	14.6	20.3	17.4	162.4	224	264	8.8	1.172	0.0528	43.5	2828	7069		94.6%	5.4%			100.0%					100.0%			100.0%	6.0%	
Car	5000	2007	30	0.002	20.9	13.7	21.0	17.1	143.8	281	319	7.4	1.119	0.0638	42.9	2478	6196	1.2%	90.7%	8.1%			100.0%					100.0%			100.0%	1.0%	
Car	5000	2008	24	0.002	20.2	13.4	20.0	16.5	134.6	308	370	6.7	1.189	0.0740	41.6	2253	5633	1.1%	68.8%	30.1%			100.0%				2.0%	98.0%			100.0%	18.2%	
Car	5000	2009	17	0.002	21.2	14.1	21.0	17.3	121.9	304	402	5.9	1.333	0.0804	43.6	2123	5308		58.1%	41.9%			100.0%				33.0%	67.0%			100.0%	63.8%	
Car	5000	2010	22	0.002	21.6	14.4	21.1	17.5	121.3	296	390	6.0	1.327	0.0780	44.3	2148	5370		73.4%	26.6%			100.0%				30.5%	69.5%			100.0%	100.0%	6.6%
Car	5000	2011	22	0.002	22.1	14.7	21.7	18.0	123.5	283	391	6.0	1.393	0.0782	45.4	2239	5598	4.3%	68.0%	27.7%			100.0%				73.6%	26.4%			100.0%	95.4%	3.6%
Car	5000	2012	27	0.002	22.7	14.9	22.4	18.4	123.5	275	446	5.5	1.626	0.0893	46.4	2293	5731		60.1%	39.9%			100.0%				83.2%	12.9%		3.8%	100.0%	96.0%	0.7%
Car	5000	2013	31	0.002	24.1	15.7	24.2	19.6	122.5	270	449	5.4	1.673	0.0898	49.2	2413	6033		64.7%	35.3%			100.0%				84.4%	13.9%		1.7%	100.0%	98.3%	0.3%
Car	5000	2014	39	0.003	26.3	17.1	26.1	21.3	123.1	264	460	5.3	1.752	0.0919	61.3	3007	7517		66.5%	33.5%		6.4%	93.6%				82.2%	9.1%		3.0%	94.4%	91.3%	2.0%
Car	5000	2015	70	0.004	32.2	20.9	31.7	26.0	121.4	274	435	5.1	1.636	0.0869	105.8	5110	12775		74.7%	25.3%		28.0%	72.0%				66.9%	3.9%		1.2%	72.1%	70.9%	0.8%
Car	5000	2016	58	0.004	39.2	25.9	37.4	31.4	120.7	273	409	5.0	1.607	0.0819	141.1	6790	16974		76.9%	23.1%		44.6%	55.4%				51.7%	3.6%		0.2%	55.5%	55.3%	0.7%
Car	5000	2017	-	0.004	34.4	22.8	33.0	27.6	120.4	252	387	4.8	1.761	0.0774	116.6	5608	14021		75.1%	24.9%		34.1%	65.9%				63.9%	3.9%			67.8%	67.8%	1.0%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	5500	1975	828	0.081	12.2	9.4	11.8	10.4		458	208		0.454	0.0378	28.6			8.2%		91.8%		100.0%				100.0%							
Car	5500	1976	934	0.076	13.3	10.4	12.7	11.3		460	204		0.443	0.0370	31.2			7.4%		92.6%		100.0%				97.1%		2.9%					
Car	5500	1977	298	0.021	12.6	9.6	12.6	10.8	131.8	447	194		0.435	0.0353	29.7	1421	3908	15.9%		84.1%		100.0%				96.9%		3.1%					
Car	5500	1978	134	0.009	12.8	9.7	12.9	10.9	130.7	445	191	13.3	0.429	0.0348	30.1	1437	3951	33.7%		66.3%		100.0%				70.0%		30.0%					
Car	5500	1979	2	0.000	11.0	8.8	10.1	9.4	112.7	417	174	13.8	0.417	0.0317	25.8	1060	2916			100.0%		100.0%				100.0%							
Car	5500	1980	0	0.000	10.7	8.6	9.8	9.1	100.7	412	170	14.3	0.413	0.0309	25.2	922	2534			100.0%		100.0%				95.0%		5.0%					
Car	5500	1981	0	0.000	10.5	8.3	9.9	8.9	98.8	412	170	14.3	0.413	0.0309	24.6	888	2442			100.0%		100.0%						100.0%					
Car	5500	1982	0	0.000	10.1	8.0	9.5	8.6	92.5	412	170	15.3	0.413	0.0309	23.7	798	2194			100.0%		100.0%						100.0%					
Car	5500	1983	0	0.000	10.9	8.5	10.7	9.3	92.3	412	170	14.0	0.413	0.0309	25.7	862	2370			100.0%		100.0%						100.0%					
Car	5500	1984	0	0.000	11.0	8.5	10.7	9.3	92.6	412	170	13.9	0.413	0.0309	25.7	866	2382			100.0%		100.0%						100.0%					
Car	5500	1985	0	0.000	11.0	8.5	10.8	9.4	92.5	412	170	13.7	0.413	0.0309	25.7	866	2382			100.0%		100.0%						100.0%					
Car	5500	1986	0	0.000	11.0	8.4	10.7	9.3	92.4	412	170	13.1	0.413	0.0309	25.7	861	2369			100.0%		100.0%						100.0%					
Car	5500	1987	0	0.000	10.9	8.5	10.3	9.2	92.0	412	187	12.6	0.454	0.0340	25.5	854	2348			100.0%		100.0%						100.0%					
Car	5500	1988	0	0.000	12.2	9.4	11.4	10.3	91.3	412	205	11.9	0.498	0.0373	28.2	937	2578			100.0%		100.0%						100.0%					
Car	5500	1989	1	0.000	12.5	9.6	11.9	10.5	103.8	412	259	10.2	0.630	0.0472	29.0	1098	3018			100.0%		100.0%						100.0%					
Car	5500	1990	1	0.000	13.1	10.0	12.5	11.0	107.2	412	250	9.7	0.607	0.0455	30.3	1182	3251			100.0%		100.0%						100.0%					
Car	5500	1991	1	0.000	13.2	10.0	12.4	11.0	107.5	412	238	10.1	0.577	0.0432	30.4	1187	3264			100.0%		100.0%						100.0%					
Car	5500	1992	0	0.000	14.1	10.2	14.4	11.9	107.2	412	258	9.1	0.625	0.0468	32.8	1280	3519			100.0%			100.0%					100.0%					
Car	5500	1993	1	0.000	15.6	11.5	15.1	13.0	126.5	374	290	8.4	0.777	0.0527	36.1	1678	4614			100.0%		43.1%	56.9%					71.8%	28.2%		43.1%	43.1%	
Car	5500	1994	3	0.000	17.7	12.8	17.3	14.7	141.3	356	262	8.4	0.735	0.0476	40.8	2106	5792			100.0%		7.6%	92.4%					100.0%			7.6%	7.6%	
Car	5500	1995	3	0.000	18.2	13.2	17.6	15.1	143.1	355	252	8.8	0.712	0.0459	41.8	2186	6011			100.0%			100.0%					100.0%					
Car	5500	1996	3	0.000	17.8	13.1	16.7	14.7	155.8	357	261	9.0	0.734	0.0475	40.6	2311	6357			100.0%			100.0%					100.0%					
Car	5500	1997	1	0.000	18.1	12.6	18.4	15.1	149.9	315	312	8.0	1.011	0.0567	42.0	2328	6403	73.2%		26.8%			100.0%					100.0%			73.2%		
Car	5500	1998	2	0.000	17.0	11.4	18.9	14.4	142.7	287	303	8.5	1.062	0.0551	39.6	2060	5666	94.1%		5.9%			100.0%					100.0%			94.1%		
Car	5500	1999	0	0.000	14.9	10.4	14.9	12.4	98.1	412	349	7.2	0.847	0.0635	34.1	1216	3345			100.0%			100.0%					100.0%					
Car	5500	2000	2	0.000	18.1	12.6	17.5	14.9	160.0	284	279	8.5	0.984	0.0507	41.0	2390	6573	92.1%		7.9%			100.0%					100.0%			92.2%		
Car	5500	2001	0	0.000	16.1	11.3	15.3	13.2	123.3	328	322	7.4	0.982	0.0585	36.4	1630	4482			100.0%			100.0%					100.0%					
Car	5500	2002	0	0.000	16.1	11.3	15.3	13.2	120.5	328	322	7.5	0.982	0.0585	36.3	1589	4371			100.0%			100.0%					100.0%					
Car	5500	2003																															
Car	5500	2004	4	0.000	18.8	12.5	18.9	15.4	123.8	309	391	6.8	1.268	0.0711	43.0	1952	5368	11.6%	76.2%	12.2%			100.0%					100.0%			100.0%	88.4%	
Car	5500	2005	5	0.000	16.7	11.0	17.3	13.9	107.8	347	491	5.7	1.409	0.0894	38.6	1529	4205	5.9%	85.4%	8.6%			100.0%					100.0%			100.0%	94.1%	
Car	5500	2006	21	0.001	19.9	13.6	18.7	16.1	157.1	245	295	7.9	1.213	0.0536	44.6	2559	7037		98.4%	1.6%			100.0%					100.0%			100.0%	78.2%	
Car	5500	2007	15	0.001	20.5	13.9	19.4	16.6	154.1	243	314	8.0	1.275	0.0571	46.3	2619	7203		91.6%	8.4%			100.0%					89.8%		10.2%	100.0%	75.6%	
Car	5500	2008	12	0.001	21.6	14.9	19.6	17.3	146.8	246	320	7.8	1.284	0.0582	48.3	2576	7083		94.3%	5.7%			100.0%				3.3%	87.2%		9.5%	100.0%	88.0%	18.3%
Car	5500	2009	4	0.000	20.6	14.1	19.2	16.6	149.9	249	318	7.7	1.269	0.0578	46.2	2537	6976		87.9%	12.1%			100.0%				15.3%	76.0%		8.7%	100.0%	89.2%	5.4%
Car	5500	2010	1	0.000	18.7	12.4	18.8	15.4	118.0	381	550	4.9	1.444	0.1000	43.0	1852	5092		33.0%	67.0%			91.5%	8.5%			55.3%	44.7%			100.0%	100.0%	8.5%
Car	5500	2011	0	0.000	20.2	13.5	20.3	16.7	110.9	344	543	5.2	1.559	0.0987	46.9	1897	5217		63.8%	36.2%			66.2%	33.8%			33.8%	66.2%			100.0%	63.8%	33.8%
Car	5500	2012	4	0.000	31.7	22.9	25.8	24.5	98.0	363	451	5.6	1.511	0.0820	79.1	2794	7685		30.9%	69.1%		66.6%	31.7%	1.7%				100.0%			100.0%	97.5%	68.3%
Car	5500	2013	1	0.000	21.4	13.9	22.3	17.7	105.9	303	515	5.2	1.738	0.0937	49.1	1891	5200	4.7%	91.0%	4.3%			91.4%	8.6%			46.2%	53.8%			100.0%	100.0%	8.6%
Car	5500	2014	1	0.000	21.0	13.6	22.1	17.4	107.4	333	519	5.2	1.605	0.0944	48.3	1886	5185	9.1%	52.7%	38.2%			94.0%	6.0%			72.2%	27.8%			100.0%	100.0%	6.0%
Car	5500	2015	2	0.000	21.1	13.9	21.7	17.5	109.8	332	538	5.0	1.683	0.0978	48.8	1942	5339	3.4%	30.2%	66.4%			97.5%	2.5%			55.6%	44.4%			100.0%	100.0%	10.0%
Car	5500	2016	3	0.000	22.4	14.7	23.1	18.5	119.8	325	498	5.1	1.572	0.0906	58.2	2535	6971	2.5%	23.1%	74.4%			98.5%	1.5%			44.7%	55.3%			100.0%	100.0%	16.3%
Car	5500	2017	-	0.000	22.1	14.5	22.4	18.2	121.6	325	500	5.0	1.579	0.0910	53.0	2345	6448	2.0%	24.2%	73.8%			100.0%				55.0%	45.0%			100.0%	100.0%	16.0%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	6000	1975																															
Car	6000	1976																															
Car	6000	1977																															
Car	6000	1978																															
Car	6000	1979																															
Car	6000	1980																															
Car	6000	1981																															
Car	6000	1982																															
Car	6000	1983																															
Car	6000	1984																															
Car	6000	1985	0	0.000	10.1	8.0	9.5	8.6	157.5	412	170	14.4	0.413	0.0283	25.9	1358	4075			100.0%		100.0%						100.0%						
Car	6000	1986	0	0.000	10.1	8.0	9.5	8.6	157.5	412	170	13.8	0.413	0.0283	25.8	1355	4065			100.0%		100.0%						100.0%						
Car	6000	1987	0	0.000	10.4	8.3	9.5	8.8	157.5	412	173	13.8	0.420	0.0288	26.5	1391	4174			100.0%		100.0%						100.0%						
Car	6000	1988	0	0.000	11.8	9.3	10.8	10.0	157.5	412	205	12.5	0.498	0.0342	29.9	1571	4713			100.0%		100.0%						100.0%						
Car	6000	1989																															
Car	6000	1990																															
Car	6000	1991																															
Car	6000	1992																															
Car	6000	1993	1	0.000	17.6	13.0	16.8	14.7	145.5	350	175	11.4	0.500	0.0292	44.0	2135	6404			100.0%			100.0%					0.5%	99.5%					
Car	6000	1994	0	0.000	13.9	9.9	14.2	11.7	90.6	412	241	9.2	0.585	0.0402	35.1	1060	3180			100.0%			100.0%					100.0%						
Car	6000	1995	0	0.000	13.9	9.9	14.2	11.7	90.6	412	280	8.7	0.679	0.0466	35.1	1059	3176			100.0%			100.0%					100.0%						
Car	6000	1996	0	0.000	14.9	10.5	15.0	12.5	88.9	412	350	7.8	0.850	0.0583	37.4	1106	3319			100.0%			100.0%					100.0%						
Car	6000	1997	0	0.000	14.9	10.5	15.0	12.4	88.9	412	350	7.8	0.850	0.0583	37.3	1104	3312			100.0%			100.0%					100.0%						
Car	6000	1998	0	0.000	14.9	10.4	14.9	12.4	88.9	412	350	8.0	0.850	0.0583	37.2	1102	3305			100.0%			100.0%					100.0%						
Car	6000	1999	2	0.000	19.3	13.3	19.2	15.9	145.8	279	300	8.9	1.075	0.0500	47.8	2325	6976	100.0%					100.0%					100.0%			100.0%			
Car	6000	2000	1	0.000	15.0	10.4	14.8	12.4	112.8	412	350	7.6	0.850	0.0583	37.2	1399	4198			100.0%			100.0%					100.0%						
Car	6000	2001	3	0.000	17.6	12.2	17.1	14.4	168.6	303	289	8.6	0.961	0.0481	43.6	2474	7422	81.6%		18.4%			100.0%					100.0%			81.6%			
Car	6000	2002	2	0.000	17.6	12.1	17.1	14.4	155.7	297	294	8.7	0.990	0.0490	43.6	2278	6833	86.8%		13.2%			100.0%					100.0%			86.8%			
Car	6000	2003	2	0.000	18.2	12.3	18.1	15.0	157.3	287	286	8.8	0.992	0.0476	45.2	2379	7138	93.9%		6.1%			100.0%					100.0%			93.9%			
Car	6000	2004	1	0.000	18.5	12.3	18.5	15.2	149.9	294	295	8.6	0.998	0.0492	46.1	2318	6955	88.6%		11.4%			100.0%					100.0%			88.6%			
Car	6000	2005	1	0.000	17.3	11.7	16.9	14.2	138.4	313	320	8.2	1.013	0.0533	43.3	2019	6058	74.5%		25.5%			100.0%					100.0%			74.5%			
Car	6000	2006	3	0.000	15.4	10.0	16.3	12.8	114.9	369	545	5.4	1.478	0.0908	38.6	1477	4431		92.9%	7.1%			100.0%					100.0%			100.0%	92.9%		
Car	6000	2007	5	0.000	16.2	10.7	16.9	13.5	111.2	348	514	6.1	1.451	0.0857	40.6	1520	4561	24.3%	68.9%	6.8%			100.0%					100.0%			100.0%	68.9%		
Car	6000	2008	3	0.000	16.4	10.8	17.0	13.6	112.5	342	505	6.3	1.445	0.0842	41.0	1553	4660	28.6%	69.8%	1.6%			100.0%					100.0%			98.4%	69.8%		
Car	6000	2009	2	0.000	16.4	11.0	16.4	13.5	124.1	331	438	6.9	1.287	0.0729	40.7	1696	5087	46.4%	42.1%	11.5%			100.0%					100.0%			94.6%	42.1%		
Car	6000	2010	2	0.000	17.1	11.4	17.2	14.1	116.7	335	412	7.1	1.207	0.0687	42.3	1656	4968	44.9%	39.3%	15.8%			100.0%				15.8%	84.2%			100.0%	84.7%		
Car	6000	2011	3	0.000	18.1	12.2	18.2	15.0	120.8	354	472	6.3	1.310	0.0786	45.2	1829	5486	34.6%	22.2%	43.2%			100.0%				35.0%	65.0%			91.8%	65.4%		
Car	6000	2012	2	0.000	17.9	11.8	18.9	15.1	112.9	387	548	5.2	1.423	0.0914	45.3	1715	5146		48.4%	51.6%			100.0%				40.2%	59.8%			88.5%	100.0%		
Car	6000	2013	3	0.000	19.6	13.0	20.9	16.5	122.6	309	488	5.9	1.606	0.0813	50.0	2056	6169	24.1%	52.4%	23.5%			100.0%				72.8%	27.2%			100.0%	100.0%		
Car	6000	2014	4	0.000	19.6	13.0	20.8	16.5	122.2	311	482	5.9	1.561	0.0803	49.9	2041	6122	28.8%	60.1%	11.1%			100.0%				54.1%	45.9%			100.0%	100.0%		
Car	6000	2015	4	0.000	20.3	13.3	21.4	17.0	110.0	276	453	6.3	1.667	0.0755	51.1	1872	5616	36.6%	49.3%	14.1%			100.0%				85.2%	14.8%			100.0%	100.0%		
Car	6000	2016	3	0.000	20.3	13.4	21.3	17.0	107.6	291	466	6.1	1.621	0.0777	51.2			31.6%	48.7%	19.7%			100.0%				80.5%	19.5%			100.0%	100.0%		
Car	6000	2017	-	0.000	19.8	12.9	20.9	16.5	107.7	301	493	5.8	1.671	0.0822	50.0			22.6%	53.2%	24.2%			100.0%				80.5%	19.5%			100.0%	100.0%		

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car	6500	1975																														
Car	6500	1976																														
Car	6500	1977																														
Car	6500	1978																														
Car	6500	1979																														
Car	6500	1980																														
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Car	6500	1990																														
Car	6500	1991																														
Car	6500	1992																														
Car	6500	1993																														
Car	6500	1994	0	0.000	13.6	9.8	13.7	11.4	140.2	412	241	9.6	0.585	0.0371	37.1	1602	5206			100.0%			100.0%					100.0%						
Car	6500	1995	0	0.000	13.6	9.7	13.7	11.4	140.2	412	241	9.8	0.585	0.0371	37.1	1599	5196			100.0%			100.0%					100.0%						
Car	6500	1996																														
Car	6500	1997	0	0.000	14.9	10.7	14.5	12.4	140.1	412	241	10.2	0.585	0.0371	40.3	1737	5646			100.0%			100.0%					100.0%						
Car	6500	1998	0	0.000	13.8	9.7	13.9	11.5	140.1	412	300	9.2	0.728	0.0462	37.5	1615	5248			100.0%			100.0%					100.0%						
Car	6500	1999																														
Car	6500	2000	0	0.000	15.2	10.6	15.1	12.6	88.9	412	325	8.3	0.789	0.0500	41.0	1121	3644			100.0%			100.0%					100.0%						
Car	6500	2001	0	0.000	15.2	10.5	15.1	12.6	88.9	412	377	7.6	0.914	0.0580	40.9	1119	3636			100.0%			100.0%					100.0%						
Car	6500	2002	0	0.000	15.2	10.5	15.0	12.6	88.9	412	325	8.3	0.789	0.0500	40.8	1116	3629			100.0%			100.0%					100.0%						
Car	6500	2003	0	0.000	15.2	10.4	14.9	12.5	88.9	412	325	8.3	0.789	0.0500	40.8	1114	3621			100.0%			100.0%					100.0%						
Car	6500	2004	0	0.000	18.9	12.7	18.9	15.6	133.2	281	234	10.4	0.833	0.0360	50.5	2072	6734			100.0%			100.0%					100.0%						
Car	6500	2005																														
Car	6500	2006	2	0.000	17.9	12.0	17.5	14.6	144.4	279	275	9.4	0.986	0.0423	47.6	2113	6869	100.0%					100.0%					100.0%				100.0%		
Car	6500	2007	3	0.000	19.1	12.7	19.0	15.6	129.7	281	234	10.5	0.833	0.0360	50.8	2027	6587			100.0%			100.0%					100.0%				0.1%		
Car	6500	2008	1	0.000	16.6	11.0	16.7	13.7	131.8	323	375	8.0	1.136	0.0578	44.8	1834	5959	59.4%		40.6%			100.0%					100.0%				80.3%		
Car	6500	2009	0	0.000	16.6	11.1	16.5	13.7	135.0	308	345	8.3	1.094	0.0530	44.6	1865	6060	73.5%		26.5%			100.0%					100.0%				84.6%		
Car	6500	2010	0	0.000	14.5	9.5	15.3	12.1	102.0	411	503	5.8	1.224	0.0773	39.3	1233	4008			100.0%			100.0%					100.0%				2.4%	2.4%	
Car	6500	2011	1	0.000	18.9	12.6	18.9	15.6	129.9	284	253	10.2	0.882	0.0389	50.7	2027	6588			100.0%			100.0%					100.0%				3.7%	3.7%	
Car	6500	2012	0	0.000	15.5	10.4	15.9	12.9	128.0	359	603	5.4	1.681	0.0928	42.0	1654	5374			100.0%			100.0%					100.0%				100.0%	100.0%	
Car	6500	2013	0	0.000	16.3	10.9	18.0	14.0	112.0	413	487	5.6	1.178	0.0749	45.6	1574	5115			100.0%			100.0%				35.4%	64.6%				35.4%	100.0%	
Car	6500	2014	0	0.000	16.4	10.9	18.0	14.0	113.3	413	486	5.6	1.178	0.0748	45.7	1592	5175			100.0%			100.0%				35.7%	64.3%				35.7%	100.0%	
Car	6500	2015	0	0.000	16.7	11.1	18.2	14.3	112.1	411	474	5.8	1.152	0.0729	46.4	1601	5203			100.0%			100.0%				59.9%	40.1%				59.9%	100.0%	
Car	6500	2016	0	0.000	17.2	11.3	18.1	14.4	112.2	414	516	5.4	1.247	0.0794	46.8	1616	5253			100.0%			100.0%				17.8%	82.2%				17.8%	100.0%	
Car	6500	2017	-	0.000	17.2	11.3	18.1	14.4	112.1	414	519	5.4	1.252	0.0798	46.7	1610	5233			100.0%			100.0%				14.9%	85.1%				14.9%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	2500	1975																														
Car SUV	2500	1976																														
Car SUV	2500	1977																														
Car SUV	2500	1978																														
Car SUV	2500	1979																														
Car SUV	2500	1980																														
Car SUV	2500	1981																														
Car SUV	2500	1982	11	0.001	23.6	20.7	19.1	19.9		151	84	17.5	0.556	0.0336	24.9					100.0%		100.0%				100.0%							
Car SUV	2500	1983	13	0.001	23.2	20.4	18.7	19.6		151	87	15.6	0.580	0.0350	24.5					100.0%		100.0%				100.0%							
Car SUV	2500	1984	3	0.000	22.6	19.7	18.3	19.1		150	93	14.8	0.620	0.0372	23.8					100.0%		100.0%				100.0%							
Car SUV	2500	1985																														
Car SUV	2500	1986																														
Car SUV	2500	1987																														
Car SUV	2500	1988																														
Car SUV	2500	1989																														
Car SUV	2500	1990	2	0.000	32.2	25.6	27.8	26.7		97	80	13.3	0.825	0.0320	33.3					100.0%	100.0%								100.0%				
Car SUV	2500	1991	12	0.001	30.7	24.3	26.4	25.3		94	77	13.8	0.827	0.0310	31.7					100.0%	100.0%								100.0%				
Car SUV	2500	1992	17	0.001	29.6	23.3	25.3	24.3		96	79	13.7	0.826	0.0316	30.4					100.0%	72.6%		27.4%						100.0%				
Car SUV	2500	1993	19	0.001	29.3	23.0	24.9	23.9		96	79	12.9	0.825	0.0318	30.0					100.0%	66.4%		33.6%					6.7%	93.3%				
Car SUV	2500	1994	27	0.002	29.0	22.6	24.6	23.6		97	80	12.8	0.829	0.0322	29.5					100.0%	55.6%		44.4%					8.3%	91.7%		2.6%		
Car SUV	2500	1995	19	0.001	29.7	22.7	25.4	24.0		97	81	13.1	0.835	0.0324	30.1					100.0%	58.4%		41.6%					6.6%	93.4%				
Car SUV	2500	1996	3	0.000	29.3	22.3	25.1	23.7		97	95	12.1	0.979	0.0380	29.6					100.0%	66.6%		33.4%					100.0%			100.0%		
Car SUV	2500	1997	4	0.000	28.4	21.6	23.9	22.8		97	95	12.6	0.979	0.0380	28.5					100.0%	27.2%		72.8%					100.0%			100.0%		
Car SUV	2500	1998	7	0.000	28.5	21.5	23.9	22.7		97	95	12.6	0.979	0.0380	28.4					100.0%	52.5%		47.5%					100.0%			100.0%		
Car SUV	2500	1999																														
Car SUV	2500	2000																														
Car SUV	2500	2001																														
Car SUV	2500	2002																														
Car SUV	2500	2003																														
Car SUV	2500	2004																														
Car SUV	2500	2005																														
Car SUV	2500	2006																														
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Car SUV	2500	2012																														
Car SUV	2500	2013																														
Car SUV	2500	2014																														
Car SUV	2500	2015																														
Car SUV	2500	2016																														
Car SUV	2500	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	2750	1975																														
Car SUV	2750	1976																														
Car SUV	2750	1977																														
Car SUV	2750	1978																														
Car SUV	2750	1979	9	0.001	20.8	17.5	17.7	17.6		121	80	17.8	0.661	0.0291	24.2					100.0%		100.0%				100.0%							
Car SUV	2750	1980																														
Car SUV	2750	1981																														
Car SUV	2750	1982																														
Car SUV	2750	1983																														
Car SUV	2750	1984																														
Car SUV	2750	1985																														
Car SUV	2750	1986																														
Car SUV	2750	1987																														
Car SUV	2750	1988																														
Car SUV	2750	1989																														
Car SUV	2750	1990																														
Car SUV	2750	1991																														
Car SUV	2750	1992	4	0.000	29.2	22.8	25.3	24.0		97	95	12.3	0.979	0.0345	33.0					100.0%	100.0%						100.0%						
Car SUV	2750	1993	2	0.000	29.1	22.5	25.2	23.8		97	95	11.5	0.979	0.0345	32.8					100.0%	100.0%						100.0%						
Car SUV	2750	1994	3	0.000	28.0	21.8	23.8	22.8		97	95	12.5	0.979	0.0345	31.3					100.0%	40.1%		59.9%				100.0%				100.0%		
Car SUV	2750	1995	1	0.000	27.7	21.6	23.1	22.4		97	95	13.4	0.979	0.0345	30.8					100.0%			100.0%				100.0%						
Car SUV	2750	1996	18	0.001	28.8	21.7	25.0	23.3		102	100	12.4	0.980	0.0365	32.1			21.1%		78.9%	54.4%		45.6%				100.0%				100.0%		
Car SUV	2750	1997	2	0.000	29.6	21.7	26.4	24.0		115	113	11.3	0.982	0.0411	32.9			71.7%		28.3%	48.5%		51.5%				100.0%				100.0%		
Car SUV	2750	1998	0	0.000	29.3	21.4	25.8	23.5		97	95	13.7	0.979	0.0345	32.4					100.0%			100.0%				100.0%				100.0%		
Car SUV	2750	1999	2	0.000	31.0	22.9	26.3	24.6		97	97	12.3	1.001	0.0354	33.8			1.4%		98.6%	100.0%						100.0%				4.1%		
Car SUV	2750	2000	1	0.000	31.1	22.8	26.3	24.6		97	97	11.8	1.000	0.0353	33.8					100.0%	100.0%						100.0%						
Car SUV	2750	2001	0	0.000	31.0	22.7	26.0	24.4		122	97	11.4	0.795	0.0353	33.6					100.0%	100.0%						100.0%						
Car SUV	2750	2002																														
Car SUV	2750	2003																														
Car SUV	2750	2004																														
Car SUV	2750	2005																														
Car SUV	2750	2006																														
Car SUV	2750	2007																														
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Car SUV	2750	2011																														
Car SUV	2750	2012																														
Car SUV	2750	2013																														
Car SUV	2750	2014																														
Car SUV	2750	2015																														
Car SUV	2750	2016																														
Car SUV	2750	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	3000	1975																														
Car SUV	3000	1976																														
Car SUV	3000	1977																														
Car SUV	3000	1978																														
Car SUV	3000	1979																														
Car SUV	3000	1980																														
Car SUV	3000	1981																														
Car SUV	3000	1982	1	0.000	25.8	20.0	25.0	22.0		173	110	15.1	0.636	0.0367	33.1				100.0%	65.4%		34.6%			100.0%								
Car SUV	3000	1983																														
Car SUV	3000	1984	1	0.000	28.3	21.9	27.6	24.1		121	83	16.5	0.686	0.0276	36.2				100.0%	100.0%					100.0%								
Car SUV	3000	1985	5	0.000	23.4	18.6	21.9	19.9		158	107	14.1	0.678	0.0356	30.2				100.0%	39.2%		60.8%			100.0%								
Car SUV	3000	1986	2	0.000	25.7	20.2	24.0	21.8		151	117	12.5	0.774	0.0390	32.8				100.0%	63.1%		36.9%			5.4%			94.6%					
Car SUV	3000	1987	2	0.000	26.4	20.6	24.7	22.3		150	117	12.2	0.780	0.0390	33.5				100.0%	87.0%		13.0%						100.0%					
Car SUV	3000	1988	1	0.000	26.3	20.5	24.2	22.1		150	117	12.4	0.780	0.0390	33.3				100.0%	88.5%		11.5%						100.0%					
Car SUV	3000	1989	1	0.000	24.9	19.0	23.5	20.9		150	117	11.9	0.780	0.0390	31.4				100.0%	86.3%		13.7%						100.0%					
Car SUV	3000	1990	1	0.000	25.0	19.0	23.4	20.9		150	117	11.1	0.780	0.0390	31.4				100.0%	88.1%		11.9%						100.0%					
Car SUV	3000	1991	0	0.000	23.3	17.8	21.2	19.3		150	130	10.4	0.867	0.0433	29.0				100.0%	100.0%							100.0%						
Car SUV	3000	1992	1	0.000	24.8	18.6	23.2	20.6		150	130	10.4	0.867	0.0433	30.9				100.0%	100.0%							100.0%						
Car SUV	3000	1993	3	0.000	25.2	19.2	22.5	20.7		150	130	9.5	0.867	0.0433	31.1				100.0%	100.0%							100.0%						
Car SUV	3000	1994	7	0.000	25.6	19.2	23.0	21.0		135	120	10.2	0.899	0.0400	31.5				100.0%	100.0%							100.0%				28.8%		
Car SUV	3000	1995	5	0.000	27.9	20.9	24.8	22.7		89	82	14.0	0.913	0.0272	34.1				100.0%	100.0%							53.8%	46.2%					
Car SUV	3000	1996	25	0.002	28.7	21.1	25.8	23.3		121	115	11.8	0.961	0.0385	35.2		56.4%		43.6%	37.3%		62.7%					100.0%			82.0%		
Car SUV	3000	1997	137	0.009	28.0	20.5	25.0	22.7		130	127	10.9	0.979	0.0424	34.1		50.1%		49.9%	41.4%	16.0%	42.6%					100.0%			100.0%		
Car SUV	3000	1998	35	0.002	29.7	21.6	26.5	23.9		118	121	11.8	1.024	0.0404	36.0		80.4%		19.6%	23.7%		76.3%					100.0%			100.0%		
Car SUV	3000	1999	38	0.002	29.9	21.7	26.3	23.9		123	127	11.4	1.033	0.0423	36.0		72.8%		27.2%	17.9%		82.1%					100.0%			79.5%		
Car SUV	3000	2000	35	0.002	29.7	21.4	26.0	23.7		122	127	10.9	1.044	0.0423	35.6		60.7%		39.3%	13.4%		86.6%					100.0%			60.7%		
Car SUV	3000	2001	67	0.004	29.7	21.3	25.7	23.5		122	140	10.1	1.146	0.0466	35.4		61.0%		39.0%	20.1%		79.9%					100.0%			61.0%	61.0%	
Car SUV	3000	2002	63	0.004	30.6	21.5	27.0	24.2		121	146	10.0	1.206	0.0488	36.4		100.0%			9.6%		90.4%					100.0%			83.0%	83.0%	
Car SUV	3000	2003	54	0.003	29.9	20.9	26.1	23.5		122	143	10.0	1.171	0.0476	35.4		100.0%			9.0%		91.0%					100.0%			75.8%	75.8%	
Car SUV	3000	2004	40	0.003	30.9	21.5	26.8	24.2		144	161	9.2	1.118	0.0537	36.3		100.0%			5.5%		94.5%					100.0%			100.0%	100.0%	
Car SUV	3000	2005	41	0.003	30.9	21.3	26.7	24.1		144	161	9.2	1.118	0.0537	36.1		100.0%			5.3%		94.7%					100.0%			100.0%	100.0%	
Car SUV	3000	2006																														
Car SUV	3000	2007																														
Car SUV	3000	2008																														
Car SUV	3000	2009																														
Car SUV	3000	2010																														
Car SUV	3000	2011																														
Car SUV	3000	2012																														
Car SUV	3000	2013																														
Car SUV	3000	2014																														
Car SUV	3000	2015																														
Car SUV	3000	2016	54	0.003	41.4	28.0	34.0	31.1		110	140	9.7	1.281	0.0467	46.7		100.0%			6.4%			93.6%				100.0%			100.0%	100.0%	
Car SUV	3000	2017	-	0.000	37.5	24.7	33.1	28.9		85	160	8.2	1.873	0.0533	43.3		100.0%			100.0%							100.0%			100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	3500	1975																														
Car SUV	3500	1976	0	0.000	14.3	11.4	13.3	12.2		350	161		0.459	0.0459	21.3					100.0%	15.6%	84.4%				100.0%							
Car SUV	3500	1977																														
Car SUV	3500	1978																														
Car SUV	3500	1979																														
Car SUV	3500	1980																														
Car SUV	3500	1981																														
Car SUV	3500	1982	0	0.000	16.6	14.6	13.4	14.0		173	110	17.4	0.636	0.0314	24.5					100.0%			100.0%			100.0%							
Car SUV	3500	1983	21	0.002	25.1	19.0	25.4	21.4		170	109	15.3	0.640	0.0311	37.6					100.0%	30.8%		69.2%			100.0%							
Car SUV	3500	1984	46	0.003	23.5	17.8	24.0	20.1		173	110	15.1	0.636	0.0314	35.2					100.0%	21.4%		78.6%			100.0%							
Car SUV	3500	1985	82	0.006	23.5	17.6	24.4	20.1		172	109	15.1	0.634	0.0311	35.2					100.0%	14.4%		85.6%			94.3%			5.7%				
Car SUV	3500	1986	57	0.004	22.1	17.0	21.6	18.8		171	121	13.5	0.711	0.0346	33.0					100.0%	16.1%		83.9%			13.5%		0.0%	86.5%	0.0%			
Car SUV	3500	1987	93	0.006	22.8	17.1	23.0	19.4		179	131	13.1	0.729	0.0374	34.0					100.0%	13.1%		86.9%					33.3%	66.7%				
Car SUV	3500	1988	108	0.007	22.7	17.0	22.5	19.2		200	142	12.3	0.718	0.0405	33.7					100.0%	23.9%		76.1%					48.7%	51.3%				
Car SUV	3500	1989	107	0.007	22.7	17.0	22.0	19.1		226	148	11.4	0.667	0.0422	33.5					100.0%	27.1%		72.9%			1.4%		45.0%	53.6%				
Car SUV	3500	1990	57	0.005	22.4	16.8	21.7	18.8		216	148	10.7	0.698	0.0423	33.0					100.0%	36.5%		63.5%			5.9%		61.8%	32.3%				
Car SUV	3500	1991	82	0.007	21.8	16.8	19.8	18.1		207	130	12.6	0.632	0.0372	31.9					100.0%	15.0%		85.0%			2.2%		24.2%	73.6%				
Car SUV	3500	1992	76	0.006	20.9	15.9	19.1	17.3		205	151	11.1	0.732	0.0431	30.5					100.0%	23.5%		76.5%			3.9%		60.0%	36.1%				
Car SUV	3500	1993	78	0.006	20.3	15.3	18.7	16.8		211	160	10.1	0.751	0.0457	29.5					100.0%	11.4%		88.6%			4.2%		66.1%	29.7%				
Car SUV	3500	1994	75	0.005	21.4	15.9	19.9	17.7		201	161	9.9	0.812	0.0461	31.0					100.0%	14.6%	33.8%	51.7%					98.4%	1.6%				
Car SUV	3500	1995	34	0.002	20.1	14.4	19.7	16.7		241	189	8.6	0.785	0.0540	29.3		0.9%			99.1%	10.4%		89.6%					100.0%					
Car SUV	3500	1996	63	0.005	21.6	15.6	20.6	17.8		224	183	9.3	0.826	0.0522	31.3					100.0%	12.2%		87.8%					100.0%			31.6%		
Car SUV	3500	1997	33	0.002	22.2	16.1	20.6	18.2		194	166	10.1	0.891	0.0476	31.9		8.9%			91.1%	15.8%		84.2%					100.0%			44.4%		
Car SUV	3500	1998	71	0.005	24.0	17.3	22.0	19.5		169	151	11.1	0.929	0.0430	34.6		27.0%			73.0%	29.7%		70.3%					100.0%			60.9%		
Car SUV	3500	1999	84	0.006	24.3	17.5	22.0	19.7		163	156	10.8	1.005	0.0445	34.7		30.0%			70.0%	20.6%		79.4%					100.0%			68.1%		
Car SUV	3500	2000	88	0.005	24.0	17.4	21.3	19.3		151	150	10.7	1.043	0.0429	34.0		29.9%			70.1%	9.3%		90.7%					100.0%			77.4%		
Car SUV	3500	2001	215	0.014	24.6	17.4	22.3	19.8		160	166	9.9	1.061	0.0475	34.9		56.6%			43.4%	7.6%		92.4%					100.0%			69.3%		
Car SUV	3500	2002	179	0.011	25.5	17.9	23.0	20.4		159	173	9.7	1.085	0.0495	36.0		80.6%			19.4%	12.1%		87.5%	0.4%				100.0%			95.2%	16.2%	
Car SUV	3500	2003	218	0.014	26.5	18.2	24.4	21.2		161	172	9.5	1.064	0.0490	37.3		98.4%			1.6%	10.4%		78.0%	11.6%				100.0%			98.4%	13.1%	
Car SUV	3500	2004	147	0.009	27.0	18.4	24.7	21.5		159	172	9.5	1.083	0.0492	37.9		96.7%			3.3%	14.9%		77.0%	8.1%				100.0%			100.0%	32.0%	
Car SUV	3500	2005	239	0.015	27.2	18.8	24.0	21.5		155	170	9.6	1.099	0.0485	37.7		100.0%				10.0%		90.0%					100.0%			100.0%	12.8%	
Car SUV	3500	2006	262	0.017	28.3	19.5	25.0	22.3		148	163	10.0	1.104	0.0466	39.1		99.5%			0.5%	7.2%		92.8%					100.0%			100.0%	38.4%	
Car SUV	3500	2007	288	0.019	29.0	19.8	25.8	22.9		144	159	10.3	1.104	0.0453	40.2		100.0%				3.6%		96.4%					100.0%			100.0%	70.7%	2.6%
Car SUV	3500	2008	370	0.027	28.9	19.7	25.7	22.8		150	169	9.8	1.126	0.0483	39.9		100.0%				1.6%		90.0%	8.4%				100.0%			100.0%	60.7%	
Car SUV	3500	2009	260	0.028	29.9	20.2	26.9	23.6		152	179	9.1	1.175	0.0512	41.3		100.0%				1.1%		86.9%	12.0%				100.0%			100.0%	80.9%	
Car SUV	3500	2010	357	0.032	30.8	20.9	27.5	24.2		155	184	9.0	1.188	0.0526	42.4		100.0%				0.5%		87.8%	11.8%				100.0%			100.0%	100.0%	
Car SUV	3500	2011	491	0.041	31.3	21.1	27.8	24.5		150	177	9.2	1.179	0.0507	42.9		100.0%				0.8%		85.0%	14.2%			0.3%	99.7%			100.0%	100.0%	
Car SUV	3500	2012	443	0.033	31.7	21.4	27.9	24.7		151	182	8.9	1.207	0.0521	43.3		99.3%			0.7%	1.1%		73.1%	25.7%			0.2%	99.8%			100.0%	100.0%	
Car SUV	3500	2013	446	0.029	34.0	22.8	29.7	26.3		140	172	9.2	1.252	0.0491	46.1		99.6%			0.4%	1.1%		70.1%	28.8%			12.7%	87.3%			100.0%	100.0%	
Car SUV	3500	2014	668	0.043	33.7	22.6	29.7	26.2		132	172	9.2	1.335	0.0492	46.0		100.0%				1.6%		80.2%	18.2%			31.2%	68.8%			100.0%	100.0%	
Car SUV	3500	2015	727	0.043	35.5	23.9	30.7	27.3		136	170	9.2	1.287	0.0487	48.1		100.0%				1.3%		53.9%	44.8%			34.8%	65.2%			100.0%	100.0%	
Car SUV	3500	2016	935	0.057	36.0	24.3	30.9	27.7		132	171	9.2	1.321	0.0487	48.7		90.6%	9.4%			1.0%	0.9%	51.4%	46.7%			37.6%	62.4%			100.0%	100.0%	
Car SUV	3500	2017	-	0.038	36.3	24.4	31.1	27.8		128	169	9.2	1.383	0.0483	49.0		97.8%	2.2%			1.4%	1.6%	52.5%	44.4%			33.2%	66.8%			100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	4000	1975	10	0.001	13.1	10.1	12.6	11.1		262	113		0.430	0.0282	22.6				100.0%	68.3%	31.7%				100.0%							
Car SUV	4000	1976	11	0.001	12.3	9.3	12.5	10.5		261	122		0.467	0.0305	22.1				100.0%	70.6%	29.4%				100.0%							
Car SUV	4000	1977	19	0.001	14.3	11.2	13.6	12.2		261	124		0.477	0.0311	25.1				100.0%	82.5%	17.5%				100.0%							
Car SUV	4000	1978	16	0.001	13.6	10.4	13.5	11.6		262	126	14.2	0.481	0.0315	23.8				100.0%	84.2%	15.8%				100.0%							
Car SUV	4000	1979	7	0.000	13.3	10.8	12.0	11.3		275	125	14.4	0.457	0.0312	22.8				100.0%	90.6%		9.4%			100.0%							
Car SUV	4000	1980	0	0.000	17.2	13.9	15.5	14.6		280	122	16.1	0.436	0.0305	29.4				100.0%	3.9%	9.4%	86.8%			100.0%							
Car SUV	4000	1981	0	0.000	17.3	13.7	16.1	14.7		318	140	14.3	0.440	0.0350	29.4				100.0%			100.0%			100.0%							
Car SUV	4000	1982	1	0.000	19.3	15.2	18.3	16.4		250	115	17.7	0.460	0.0288	32.9				100.0%			100.0%			100.0%							
Car SUV	4000	1983																														
Car SUV	4000	1984	6	0.000	16.7	14.2	14.1	14.1		258	112	16.4	0.434	0.0280	28.3				100.0%		100.0%				100.0%							
Car SUV	4000	1985																														
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Car SUV	4000	1990	6	0.000	20.9	16.1	19.1	17.4		173	143	12.3	0.828	0.0359	34.9				100.0%		19.4%	80.6%					100.0%					
Car SUV	4000	1991	129	0.010	21.2	15.7	20.6	17.8		232	160	11.1	0.695	0.0401	35.7				100.0%	19.1%	0.3%	80.6%					69.8%	30.2%				
Car SUV	4000	1992	144	0.012	20.9	15.4	20.1	17.4		229	164	10.8	0.716	0.0411	35.0				100.0%	16.9%		83.1%					80.0%	20.0%				
Car SUV	4000	1993	372	0.028	20.1	14.7	19.6	16.8		253	188	9.2	0.753	0.0471	33.8				100.0%	6.8%		93.2%					99.7%	0.3%				
Car SUV	4000	1994	221	0.016	21.1	15.5	20.2	17.5		229	176	9.6	0.773	0.0440	35.1		3.9%		96.1%	17.1%		82.9%					99.8%	0.2%		14.7%		
Car SUV	4000	1995	161	0.011	21.0	15.2	20.1	17.4		227	173	10.1	0.770	0.0433	34.9				100.0%	11.5%		88.5%					100.0%			26.2%		
Car SUV	4000	1996	178	0.014	21.4	15.5	20.4	17.7		239	176	10.2	0.750	0.0441	35.5				100.0%	8.7%		91.3%					100.0%			17.8%		
Car SUV	4000	1997	184	0.013	21.1	15.2	19.9	17.4		236	184	9.9	0.791	0.0460	34.9				100.0%	10.5%		89.5%					100.0%			21.0%		
Car SUV	4000	1998	342	0.024	21.4	15.3	20.1	17.5		241	178	10.3	0.749	0.0446	35.1				100.0%	5.2%		94.8%					100.0%			14.1%		
Car SUV	4000	1999	364	0.024	21.9	15.6	20.3	17.8		231	178	10.4	0.789	0.0444	35.7		6.1%		93.9%	4.1%		95.9%					100.0%			27.5%	6.1%	
Car SUV	4000	2000	493	0.030	21.3	15.1	19.8	17.4		229	181	9.8	0.810	0.0453	34.8		6.3%		93.7%	4.4%		95.6%					100.0%			24.5%	6.3%	
Car SUV	4000	2001	461	0.030	22.1	15.5	20.5	17.9		220	191	9.4	0.888	0.0479	36.0		24.6%		75.4%	3.4%		96.6%					100.0%			28.3%	7.3%	
Car SUV	4000	2002	361	0.022	22.5	15.7	20.9	18.2		206	188	9.7	0.927	0.0469	36.7		35.3%		64.7%	4.8%		95.2%					100.0%			55.7%	8.1%	
Car SUV	4000	2003	303	0.019	23.1	16.1	21.2	18.6		206	194	9.5	0.950	0.0485	37.4		36.4%		63.6%	4.5%		87.7%	7.8%				100.0%			45.0%	14.3%	
Car SUV	4000	2004	413	0.026	24.2	16.5	22.6	19.5		202	202	9.2	1.002	0.0505	39.1		68.8%		31.2%	3.1%		90.0%	6.8%				100.0%			62.1%	28.1%	
Car SUV	4000	2005	473	0.030	24.8	16.8	23.0	19.8		199	196	9.3	0.988	0.0491	39.8		68.0%	22.1%	9.9%	0.5%		91.9%	7.7%				100.0%			44.2%	19.3%	0.9%
Car SUV	4000	2006	429	0.028	25.0	16.9	23.2	20.0		198	199	9.2	1.005	0.0497	40.2		75.5%	11.9%	12.6%	0.5%		90.4%	9.1%				100.0%			76.8%	20.9%	1.9%
Car SUV	4000	2007	473	0.031	25.3	17.2	23.2	20.1		199	219	8.7	1.120	0.0548	40.5		84.3%	7.0%	8.6%	0.7%		91.7%	7.6%				100.0%			66.3%	37.2%	1.5%
Car SUV	4000	2008	378	0.027	26.3	17.8	24.1	20.9		188	210	9.0	1.126	0.0526	42.4		86.9%	9.5%	3.6%	0.1%		94.2%	5.7%			5.3%	94.7%			74.6%	60.9%	5.7%
Car SUV	4000	2009	279	0.030	27.2	18.5	24.7	21.6		187	217	8.6	1.162	0.0542	43.7		94.9%	4.6%	0.5%	0.2%		81.6%	18.3%			2.8%	97.2%			87.3%	73.9%	5.9%
Car SUV	4000	2010	301	0.027	30.4	20.3	28.1	24.1		162	204	9.0	1.255	0.0510	48.8		87.0%	13.0%		0.1%		91.7%	8.2%			55.9%	44.1%			100.0%	99.8%	2.2%
Car SUV	4000	2011	494	0.041	30.2	20.1	27.5	23.8		164	206	8.9	1.253	0.0516	48.0		85.0%	13.1%	1.9%	0.5%		94.6%	5.0%			49.9%	50.1%			100.0%	99.6%	0.9%
Car SUV	4000	2012	596	0.044	29.9	19.9	27.3	23.5		163	207	8.9	1.279	0.0517	47.6		76.9%	17.6%	5.5%	0.1%		95.6%	4.3%			66.0%	33.9%			95.7%	95.7%	0.5%
Car SUV	4000	2013	731	0.048	31.8	20.9	28.7	24.8		148	204	8.9	1.418	0.0511	49.8		93.5%	6.5%		0.0%		97.8%	2.1%			79.0%	20.9%			99.9%	99.9%	
Car SUV	4000	2014	671	0.043	31.2	20.5	28.0	24.2		153	205	8.8	1.355	0.0514	48.8		92.1%	7.9%		0.0%		96.5%	3.5%			74.6%	25.2%			99.8%	99.8%	
Car SUV	4000	2015	700	0.042	31.9	21.1	28.8	24.9		151	203	8.9	1.367	0.0508	50.0		92.7%	7.0%	0.3%			98.4%	1.6%			70.1%	29.9%			100.0%	100.0%	0.1%
Car SUV	4000	2016	694	0.043	32.2	21.4	28.9	25.1		143	199	8.9	1.424	0.0498	50.5		83.6%	13.5%	2.9%		6.7%	91.2%	2.1%			66.6%	33.4%			100.0%	100.0%	0.0%
Car SUV	4000	2017	-	0.058	32.4	21.5	28.7	25.1		137	199	8.9	1.500	0.0497	50.4		83.0%	15.7%	1.4%		4.4%	95.1%	0.4%			70.3%	29.7%			100.0%	100.0%	0.4%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
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Car SUV	4500	2004	39	0.002	21.0	14.1	20.3	17.1		238	281	7.8	1.187	0.0625	38.5				55.1%	44.9%			100.0%					100.0%			100.0%	100.0%	
Car SUV	4500	2005	46	0.003	21.7	14.6	20.7	17.6		232	268	7.9	1.161	0.0597	39.5					100.0%	3.3%		96.7%					100.0%			100.0%	100.0%	
Car SUV	4500	2006	46	0.003	21.5	14.6	20.3	17.4		232	265	8.0	1.145	0.0589	39.2					100.0%	4.8%		95.2%					100.0%			100.0%	100.0%	
Car SUV	4500	2007	148	0.010	23.4	15.6	22.3	18.9		221	263	8.0	1.193	0.0585	42.5			66.1%		33.9%	0.6%		99.4%					100.0%			100.0%	27.7%	
Car SUV	4500	2008	162	0.012	23.7	15.9	22.6	19.1		216	261	8.1	1.209	0.0580	43.1			65.1%		34.9%	0.2%		99.8%					100.0%			100.0%	32.5%	
Car SUV	4500	2009	65	0.007	24.0	16.1	22.6	19.3		218	266	7.8	1.226	0.0592	43.4			55.2%		44.8%	0.1%		99.9%					100.0%			100.0%	42.8%	
Car SUV	4500	2010	248	0.022	25.6	17.3	23.7	20.4		206	266	7.9	1.296	0.0590	46.1			73.8%	16.1%	10.1%	0.0%		98.6%	1.4%			28.6%	71.4%			100.0%	100.0%	
Car SUV	4500	2011	218	0.018	26.5	17.8	24.6	21.1		204	276	7.7	1.363	0.0613	47.7			72.4%	23.4%	4.2%			100.0%				39.1%	60.9%			100.0%	100.0%	
Car SUV	4500	2012	224	0.017	25.7	17.1	24.0	20.5		212	277	7.7	1.311	0.0616	46.2			59.2%	35.1%	5.8%			100.0%				47.1%	52.9%			100.0%	100.0%	
Car SUV	4500	2013	332	0.022	26.8	17.8	25.1	21.4		216	290	7.4	1.340	0.0644	48.3			72.0%	21.2%	6.8%			100.0%				26.9%	73.1%			100.0%	100.0%	
Car SUV	4500	2014	207	0.013	26.6	17.7	24.9	21.2		215	295	7.4	1.369	0.0655	47.8			66.2%	24.0%	9.9%			100.0%				40.6%	59.4%			100.0%	100.0%	
Car SUV	4500	2015	270	0.016	26.5	17.7	24.6	21.1		207	287	7.5	1.408	0.0637	47.6			59.1%	32.9%	8.0%		0.0%	100.0%				57.3%	42.7%			100.0%	100.0%	
Car SUV	4500	2016	164	0.010	26.5	17.5	25.2	21.2		204	293	7.3	1.472	0.0652	48.1			70.4%	28.1%	1.4%		0.0%	100.0%				59.7%	40.3%			100.0%	100.0%	
Car SUV	4500	2017	-	0.011	28.0	18.5	26.3	22.3		206	297	7.1	1.468	0.0660	50.4			68.2%	30.7%	1.1%		0.1%	99.9%				70.3%	29.7%			99.9%	99.9%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	5000	1975																														
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Car SUV	5000	1999																														
Car SUV	5000	2000																														
Car SUV	5000	2001																														
Car SUV	5000	2002																														
Car SUV	5000	2003																														
Car SUV	5000	2004																														
Car SUV	5000	2005	13	0.001	19.1	12.6	19.4	15.7		236	273	8.5	1.158	0.0546	39.4				100.0%				100.0%					100.0%			100.0%	100.0%	
Car SUV	5000	2006	15	0.001	20.7	13.7	20.5	16.9		235	272	8.6	1.160	0.0544	42.3				90.0%	10.0%			100.0%					100.0%			100.0%	100.0%	
Car SUV	5000	2007	10	0.001	20.6	13.7	20.4	16.8		232	269	8.7	1.160	0.0537	42.2				94.4%	5.6%			100.0%					100.0%			100.0%	100.0%	
Car SUV	5000	2008	14	0.001	20.9	13.9	20.3	17.0		228	265	8.8	1.165	0.0531	42.4				96.8%	3.2%			100.0%					100.0%			100.0%	100.0%	
Car SUV	5000	2009	4	0.000	19.2	12.6	19.4	15.8		226	263	8.7	1.166	0.0526	39.5				97.0%	3.0%			100.0%					100.0%			100.0%	100.0%	
Car SUV	5000	2010	8	0.001	33.6	24.7	26.0	25.4		200	260	7.4	1.319	0.0519	66.2			73.4%	26.6%				26.6%	73.4%				100.0%			100.0%	100.0%	73.4%
Car SUV	5000	2011	4	0.000	32.3	23.3	25.3	24.4		198	263	7.6	1.358	0.0527	63.8			66.8%	33.2%				33.2%	66.8%				100.0%			100.0%	100.0%	66.8%
Car SUV	5000	2012	2	0.000	40.3	31.1	27.5	28.9		211	245	7.6	1.164	0.0490	72.4			99.7%	0.3%				0.3%	99.7%				100.0%			100.0%	100.0%	99.7%
Car SUV	5000	2013	5	0.000	40.4	31.2	27.5	29.0		211	245	7.5	1.162	0.0490	72.5			100.0%						100.0%				100.0%			100.0%	100.0%	100.0%
Car SUV	5000	2014	19	0.001	23.5	15.8	22.2	18.9		219	264	8.4	1.204	0.0528	47.9			5.9%	94.1%				94.1%	5.9%			94.1%	5.9%			100.0%	100.0%	5.9%
Car SUV	5000	2015	4	0.000	40.3	31.2	27.5	29.0		211	245	7.6	1.162	0.0490	72.5			99.3%	0.7%					100.0%				100.0%			100.0%	100.0%	100.0%
Car SUV	5000	2016	6	0.000	25.3	17.0	23.6	20.2		219	302	7.7	1.382	0.0605	51.6			11.4%	88.6%				88.6%	11.4%			88.6%	11.4%			100.0%	100.0%	11.4%
Car SUV	5000	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	5500	1975																														
Car SUV	5500	1976																														
Car SUV	5500	1977																														
Car SUV	5500	1978																														
Car SUV	5500	1979																														
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Car SUV	5500	2009																														
Car SUV	5500	2010																														
Car SUV	5500	2011																														
Car SUV	5500	2012	0	0.000	88.5	60.2	64.2	62.4			101	7.7		0.0184	171.7			100.0%					100.0%										
Car SUV	5500	2013	0	0.000	89.9	61.0	65.0	63.2			101	7.7		0.0184	173.8			100.0%					100.0%										
Car SUV	5500	2014	0	0.000	89.9	61.3	65.0	63.4			101	7.7		0.0184	174.3			100.0%					100.0%										
Car SUV	5500	2015																														
Car SUV	5500	2016	17	0.001	124.7	90.1	93.4	91.9			403	4.9		0.0733	252.9				100.0%			100.0%											
Car SUV	5500	2017	-	0.002	125.3	90.5	93.7	92.3			759	3.5		0.1380	253.9			0.3%	99.7%			99.7%	0.3%										

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Car SUV	6000	1975																														
Car SUV	6000	1976																														
Car SUV	6000	1977																														
Car SUV	6000	1978																														
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Car SUV	6000	1980																														
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Car SUV	6000	2013																														
Car SUV	6000	2014																														
Car SUV	6000	2015																														
Car SUV	6000	2016	1	0.000	116.8	81.5	91.5	86.9			463	2.9		0.0772	260.8				100.0%			100.0%											
Car SUV	6000	2017	-	0.000	54.3	37.2	50.7	43.9		366	726	3.8	1.639	0.1211	214.8				100.0%			78.5%	21.5%					21.5%			21.5%	21.5%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	2250	1975																														
Van	2250	1976																														
Van	2250	1977																														
Van	2250	1978																														
Van	2250	1979																														
Van	2250	1980																														
Van	2250	1981																														
Van	2250	1982																														
Van	2250	1983	1	0.000	39.0	33.5	32.3	32.9		97	52	21.7	0.536	0.0231	37.2			100.0%			33.3%	66.7%								100.0%			
Van	2250	1984	2	0.000	38.6	33.5	31.7	32.6		97	52	21.3	0.536	0.0231	36.9			100.0%			40.0%	60.0%								100.0%			
Van	2250	1985																														
Van	2250	1986																														
Van	2250	1987																														
Van	2250	1988																														
Van	2250	1989																														
Van	2250	1990																														
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Van	2250	2016																														
Van	2250	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	2750	1975																														
Van	2750	1976																														
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Van	2750	1980																														
Van	2750	1981																														
Van	2750	1982																														
Van	2750	1983																														
Van	2750	1984	15	0.001	29.8	24.0	26.9	25.3		122	88	16.2	0.721	0.0320	34.8			100.0%			42.3%		57.7%		0.0%	100.0%							
Van	2750	1985	8	0.001	29.8	23.5	28.2	25.4		122	88	15.3	0.721	0.0320	35.0			100.0%			77.4%		22.6%			100.0%							
Van	2750	1986	5	0.000	29.4	23.6	26.7	24.9		122	88	15.1	0.721	0.0320	34.3			100.0%			52.5%		47.5%			100.0%							
Van	2750	1987	4	0.000	29.3	23.3	26.4	24.7		122	88	15.4	0.721	0.0320	34.0			100.0%			47.8%		52.2%			100.0%							
Van	2750	1988																														
Van	2750	1989																														
Van	2750	1990																														
Van	2750	1991																														
Van	2750	1992																														
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Van	2750	2016																														
Van	2750	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	3000	1975	0	0.000	21.2	16.1	21.6	18.2		109	67		0.615	0.0223	27.2					100.0%	71.4%	28.6%							100.0%				
Van	3000	1976																															
Van	3000	1977																															
Van	3000	1978																															
Van	3000	1979																															
Van	3000	1980																															
Van	3000	1981																															
Van	3000	1982																															
Van	3000	1983																															
Van	3000	1984	31	0.002	25.7	20.4	23.8	21.8		134	92	16.5	0.691	0.0307	33.0			69.4%		30.6%	32.4%	44.0%	23.6%			69.4%		30.6%						
Van	3000	1985	56	0.004	26.1	21.1	23.7	22.2		128	94	16.3	0.733	0.0313	33.4			51.2%	5.3%	43.5%	22.2%	27.5%	50.3%			56.5%		43.5%						
Van	3000	1986	50	0.003	26.9	21.3	24.9	22.8		128	92	15.3	0.717	0.0306	34.3			43.5%	26.9%	29.6%	62.2%	5.6%	32.2%			70.4%		29.6%						
Van	3000	1987	59	0.004	26.6	21.2	23.9	22.4		130	96	15.4	0.742	0.0320	33.7			38.2%	14.4%	47.4%	31.7%		68.3%			30.7%		69.3%						
Van	3000	1988	17	0.001	27.4	21.5	24.9	23.0		124	97	15.4	0.782	0.0323	34.6			68.9%	19.5%	11.7%	41.5%		58.5%					100.0%						
Van	3000	1989	13	0.001	26.3	20.6	23.8	22.0		124	97	15.0	0.783	0.0323	33.1			73.5%	18.0%	8.4%	35.0%		65.0%					99.3%	0.7%					
Van	3000	1990	5	0.000	26.4	20.3	24.3	22.0		137	116	12.2	0.842	0.0387	33.1			71.5%	8.5%	20.0%	57.2%		42.8%					97.2%	2.8%					
Van	3000	1991	8	0.001	26.2	20.3	23.5	21.7		122	96	14.4	0.789	0.0321	32.6			78.8%	21.2%		32.2%		67.8%					100.0%						
Van	3000	1992	23	0.002	28.3	21.2	26.4	23.5		119	114	12.2	0.963	0.0379	35.3			99.5%	0.5%		35.3%		64.7%					100.0%						
Van	3000	1993	11	0.001	28.5	21.1	26.6	23.5		120	119	11.4	0.994	0.0397	35.4			100.0%			13.3%		86.7%					100.0%						
Van	3000	1994	5	0.000	28.4	20.8	26.7	23.4		127	124	11.0	0.981	0.0414	35.3			51.0%	49.0%		21.4%		78.6%					100.0%			95.2%			
Van	3000	1995	4	0.000	27.7	20.1	26.1	22.8		130	127	11.2	0.974	0.0422	34.4			40.5%	59.5%		16.4%		83.6%					100.0%			100.0%			
Van	3000	1996	0	0.000	27.7	19.9	26.0	22.7		134	127	11.5	0.954	0.0424	34.1			100.0%			13.2%		86.8%					100.0%			100.0%			
Van	3000	1997																															
Van	3000	1998																															
Van	3000	1999																															
Van	3000	2000																															
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Van	3000	2017																															

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	3500	1975	17	0.002	19.0	14.5	18.9	16.2		214	98		0.466	0.0280	28.4					100.0%	18.7%	81.3%				93.9%			6.1%				
Van	3500	1976	12	0.001	19.5	15.4	18.3	16.6		211	96		0.460	0.0273	29.1					100.0%	24.4%	75.6%				86.7%			13.3%				
Van	3500	1977	10	0.001	20.2	16.4	18.2	17.1		201	92		0.471	0.0264	30.1					100.0%	28.8%	71.2%				76.8%			23.2%				
Van	3500	1978	12	0.001	19.4	15.6	17.7	16.5		200	101	15.8	0.509	0.0288	28.9					100.0%	28.4%	71.6%				76.6%			23.4%				
Van	3500	1979	8	0.001	18.7	14.8	17.6	16.0		120	67	22.3	0.558	0.0191	28.0					100.0%	81.2%	18.8%							100.0%				
Van	3500	1980	17	0.002	19.0	14.9	17.9	16.1		151	77	21.2	0.524	0.0219	28.3					100.0%	62.8%	12.2%	25.0%			29.9%			70.1%				
Van	3500	1981	16	0.001	19.3	15.5	17.7	16.4		172	81	20.3	0.490	0.0230	28.8					100.0%	55.9%	9.8%	34.3%			49.4%			50.6%				
Van	3500	1982	25	0.003	20.9	16.9	18.9	17.8		179	82	21.6	0.473	0.0233	31.9					100.0%	62.9%	4.6%	32.5%			59.9%			25.1%	15.0%			
Van	3500	1983	10	0.001	19.5	15.5	18.2	16.6		119	69	21.9	0.582	0.0198	29.4					100.0%	79.6%	20.4%							96.9%	3.1%			
Van	3500	1984	164	0.012	24.2	19.3	22.4	20.6		139	96	17.6	0.694	0.0275	36.3			68.8%		31.2%	27.1%	57.2%	15.7%			68.8%		21.6%	9.6%				
Van	3500	1985	292	0.020	23.5	18.7	21.9	20.0		154	102	16.8	0.673	0.0293	35.2			76.3%		23.7%	15.2%	70.2%	14.6%			83.3%		10.1%	6.6%				
Van	3500	1986	320	0.021	24.3	19.1	22.7	20.6		152	102	16.1	0.674	0.0292	36.2			71.0%		29.0%	9.6%	66.9%	23.5%			75.3%		22.0%	2.7%				
Van	3500	1987	329	0.022	24.1	18.7	22.7	20.4		162	120	14.8	0.735	0.0343	35.8			75.9%	1.8%	22.2%	9.6%	37.7%	52.8%			41.1%		50.5%	8.5%				
Van	3500	1988	262	0.017	24.5	18.8	23.2	20.6		166	123	14.8	0.736	0.0353	36.2			80.7%	1.7%	17.6%	7.3%	28.8%	63.9%					63.5%	36.5%				
Van	3500	1989	264	0.018	24.3	18.7	22.5	20.4		159	120	14.6	0.753	0.0343	35.7			84.5%	1.3%	14.2%	5.6%	63.9%	30.6%					53.6%	46.4%				
Van	3500	1990	213	0.017	25.2	19.0	23.9	21.1		170	129	12.9	0.758	0.0368	37.0			92.4%	1.3%	6.3%	5.0%	4.1%	90.9%					72.1%	27.9%				
Van	3500	1991	63	0.005	25.3	19.2	23.5	21.0		161	109	14.8	0.674	0.0312	36.9			81.4%	3.6%	15.0%	4.1%		95.9%					28.9%	71.1%				
Van	3500	1992	84	0.007	25.7	19.4	23.7	21.3		156	110	14.1	0.707	0.0314	37.3			85.5%	7.3%	7.1%	8.6%		91.4%					35.5%	64.5%				
Van	3500	1993	220	0.017	25.3	18.6	24.0	21.0		176	133	11.7	0.755	0.0380	36.7			96.5%	0.1%	3.4%	2.9%		97.1%					80.2%	19.8%				
Van	3500	1994	144	0.010	24.7	18.3	22.9	20.4		173	131	11.8	0.755	0.0374	35.7			96.5%	0.7%	2.8%	2.8%		97.2%					73.4%	26.6%		0.7%		
Van	3500	1995	237	0.016	25.1	18.4	23.4	20.6		171	137	11.6	0.807	0.0391	36.2			95.4%	0.8%	3.7%	0.2%		99.8%					87.5%	12.5%		14.3%		
Van	3500	1996	33	0.002	27.0	19.4	25.6	22.1		145	144	11.6	1.013	0.0411	39.0			76.3%	0.4%	23.4%	0.1%		99.9%					100.0%			75.5%		
Van	3500	1997	33	0.002	24.2	17.6	22.2	19.7		145	133	12.2	0.927	0.0379	34.6			73.1%		26.9%			100.0%					100.0%			73.1%		
Van	3500	1998	16	0.001	27.0	19.3	24.9	21.9		138	150	11.6	1.087	0.0429	38.4			100.0%					100.0%					100.0%			100.0%		
Van	3500	1999	1	0.000	26.9	19.3	24.3	21.7		138	150	11.5	1.087	0.0429	37.9			100.0%					100.0%					100.0%			100.0%		
Van	3500	2000																															
Van	3500	2001																															
Van	3500	2002																															
Van	3500	2003																															
Van	3500	2004																															
Van	3500	2005																															
Van	3500	2006																															
Van	3500	2007																															
Van	3500	2008	16	0.001	30.7	20.9	27.3	24.1		140	153	10.6	1.093	0.0437	42.2			100.0%			4.9%		95.1%					100.0%			100.0%	100.0%	
Van	3500	2009	22	0.002	30.3	20.7	26.8	23.8		140	153	10.4	1.093	0.0437	41.6			100.0%			4.8%		95.2%					100.0%			100.0%	100.0%	
Van	3500	2010	57	0.005	30.5	21.4	25.7	23.6		128	145	11.2	1.128	0.0413	41.4			100.0%			2.4%		97.6%					100.0%			100.0%	35.3%	
Van	3500	2011	28	0.002	30.1	20.9	25.6	23.4		122	140	11.6	1.148	0.0400	40.9			100.0%					100.0%					100.0%			100.0%		
Van	3500	2012	69	0.005	31.3	21.2	27.1	24.2		136	146	11.1	1.074	0.0417	42.3			100.0%			1.7%		98.3%					100.0%			100.0%	47.1%	
Van	3500	2013	63	0.004	31.1	21.2	26.7	24.0		129	140	11.4	1.091	0.0401	42.0			100.0%			0.9%		90.1%	9.0%				100.0%			100.0%	31.7%	
Van	3500	2014	27	0.002	32.6	22.2	26.8	24.6		140	149	10.5	1.068	0.0426	43.1			100.0%			1.2%		60.2%	38.6%			1.1%	98.9%			100.0%	100.0%	
Van	3500	2015	67	0.004	33.6	22.9	27.0	25.0		133	146	10.6	1.100	0.0418	43.8			100.0%					39.7%	60.3%			0.8%	99.2%			100.0%	100.0%	
Van	3500	2016	30	0.002	32.3	21.8	27.5	24.7		139	161	9.6	1.159	0.0461	43.3			100.0%					65.9%	34.1%			1.0%	99.0%			100.0%	100.0%	
Van	3500	2017	-	0.004	33.1	22.5	27.1	24.9		134	150	10.2	1.115	0.0428	43.6			100.0%					45.9%	54.1%				100.0%			100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	4000	1975	262	0.026	14.0	11.2	12.9	11.9		311	136		0.434	0.0340	24.5					100.0%	34.8%	65.2%				100.0%							
Van	4000	1976	293	0.024	14.1	11.2	13.1	12.0		323	142		0.437	0.0356	24.7					100.0%	30.9%	69.1%				100.0%							
Van	4000	1977	262	0.019	16.1	13.0	14.6	13.7		323	148		0.457	0.0371	27.7					100.0%	23.4%	76.6%				100.0%							
Van	4000	1978	310	0.021	15.6	12.7	14.1	13.3		321	142	13.2	0.444	0.0356	27.0					100.0%	22.6%	77.4%				100.0%							
Van	4000	1979	83	0.006	16.5	13.5	14.8	14.0		275	128	15.4	0.468	0.0320	28.4					100.0%	34.8%	36.2%	29.1%			100.0%							
Van	4000	1980	90	0.008	18.4	14.6	17.0	15.6		263	121	16.4	0.466	0.0304	31.4					100.0%	41.3%	15.0%	43.7%			95.9%			4.1%				
Van	4000	1981	82	0.008	18.7	14.9	17.4	15.9		262	120	16.6	0.463	0.0300	32.1			0.8%		99.2%	33.7%	15.5%	50.9%			96.0%			4.0%				
Van	4000	1982	85	0.009	18.8	15.0	17.4	16.0		264	117	18.3	0.445	0.0292	32.4					100.0%	23.9%	20.8%	55.3%			94.1%			3.5%	2.3%			
Van	4000	1983	102	0.010	18.8	15.0	17.5	16.0		261	112	16.9	0.433	0.0281	32.4					100.0%	28.5%	31.5%	40.0%			96.7%			3.3%				
Van	4000	1984	160	0.011	18.0	14.3	16.8	15.3		276	116	16.3	0.427	0.0290	31.0					100.0%	21.2%	49.0%	29.8%			96.6%			3.4%				
Van	4000	1985	184	0.013	19.8	15.6	18.6	16.8		272	137	14.5	0.510	0.0342	34.1			0.2%		99.8%	10.2%	31.8%	58.0%			96.6%		0.2%	3.2%				
Van	4000	1986	316	0.021	21.1	16.3	20.5	18.0		232	134	14.1	0.590	0.0335	36.0			0.1%		99.9%	6.5%	7.2%	86.3%			27.8%		21.1%	51.1%				
Van	4000	1987	401	0.027	21.7	16.6	21.0	18.4		222	149	13.4	0.689	0.0371	36.9			7.6%	1.7%	90.7%	4.2%	4.9%	90.3%		0.6%	5.0%		48.9%	46.1%				
Van	4000	1988	559	0.037	22.2	16.8	21.7	18.8		214	150	13.5	0.717	0.0374	37.6			33.5%	0.2%	66.3%	2.6%	3.6%	93.8%					60.7%	39.3%				
Van	4000	1989	674	0.047	22.5	16.9	21.9	18.9		207	145	13.1	0.722	0.0364	38.0			30.6%	0.4%	68.9%	2.4%	1.1%	96.5%					67.7%	32.3%				
Van	4000	1990	684	0.054	22.2	16.6	21.5	18.7		199	143	12.7	0.722	0.0357	37.5			57.0%	10.0%	33.0%	1.4%	1.5%	97.1%					69.4%	30.6%				
Van	4000	1991	686	0.055	22.5	16.8	21.5	18.8		194	144	12.7	0.756	0.0361	37.8			49.2%	12.6%	38.3%	1.3%	0.4%	98.4%					79.7%	20.3%				
Van	4000	1992	758	0.062	22.6	16.7	21.7	18.9		198	146	12.3	0.745	0.0365	37.8			60.7%	1.8%	37.5%	0.6%		99.4%					85.2%	14.8%				
Van	4000	1993	826	0.063	22.6	16.5	22.0	18.9		196	149	11.3	0.768	0.0373	37.8			59.4%	1.1%	39.5%	1.1%		98.9%					90.4%	9.6%				
Van	4000	1994	849	0.060	22.7	16.5	21.9	18.9		203	151	11.1	0.752	0.0378	37.8			70.6%	3.1%	26.3%	0.2%		99.8%					90.2%	9.8%		4.6%		
Van	4000	1995	990	0.065	22.9	16.4	22.4	19.0		217	152	11.3	0.713	0.0380	38.0			79.7%	10.1%	10.2%		0.0%	100.0%					96.0%	4.0%		3.0%		
Van	4000	1996	956	0.073	23.5	16.8	22.6	19.4		201	166	11.2	0.828	0.0415	38.8			90.3%		9.7%			100.0%					100.0%			5.3%		
Van	4000	1997	792	0.055	23.4	16.6	22.5	19.3		197	164	11.3	0.835	0.0409	38.6			87.9%		12.1%			100.0%					100.0%			6.3%		
Van	4000	1998	1116	0.077	23.8	16.7	23.0	19.5		202	174	11.1	0.863	0.0435	39.1			96.2%		3.8%			100.0%					100.0%			11.6%		
Van	4000	1999	822	0.054	23.9	16.6	23.2	19.6		198	168	11.3	0.857	0.0420	39.2			95.7%		4.3%			100.0%					100.0%			15.9%	8.5%	
Van	4000	2000	948	0.057	24.2	16.7	23.3	19.7		194	171	10.7	0.892	0.0427	39.5			95.9%		4.1%			100.0%					100.0%			25.7%	13.9%	
Van	4000	2001	463	0.030	24.6	16.9	23.4	20.0		194	183	10.1	0.953	0.0457	40.0			95.8%		4.2%			100.0%					100.0%			32.6%	18.6%	
Van	4000	2002	451	0.028	24.9	17.0	23.8	20.2		196	186	10.2	0.956	0.0464	40.5			95.7%		4.3%			100.0%					100.0%			33.0%	24.5%	
Van	4000	2003	493	0.031	25.4	17.2	24.2	20.5		199	185	10.0	0.934	0.0462	41.1			96.9%		3.1%			100.0%					100.0%			19.6%	15.5%	
Van	4000	2004	186	0.012	25.1	16.8	24.2	20.3		203	185	10.0	0.917	0.0463	40.6			92.6%		7.4%			100.0%					100.0%			15.3%	12.0%	
Van	4000	2005	380	0.024	25.5	17.0	24.0	20.4		198	182	10.0	0.926	0.0456	40.9			95.4%		4.6%			89.6%	10.4%				100.0%			20.7%		
Van	4000	2006	160	0.011	25.7	17.2	24.2	20.6		190	183	10.1	0.969	0.0457	41.2			100.0%					78.1%	21.9%				100.0%			39.3%	6.3%	
Van	4000	2007	81	0.005	25.9	17.4	24.4	20.8		190	184	10.1	0.976	0.0460	41.6			100.0%					68.9%	31.1%				100.0%			41.3%		
Van	4000	2008																															
Van	4000	2009																															
Van	4000	2010																															
Van	4000	2011																															
Van	4000	2012																															
Van	4000	2013																															
Van	4000	2014	29	0.002	30.3	20.2	27.6	23.8		150	168	10.3	1.132	0.0421	47.7			100.0%					100.0%				4.7%	95.3%			100.0%	100.0%	
Van	4000	2015	39	0.002	30.6	20.4	27.9	24.1		149	169	10.2	1.151	0.0423	48.2			100.0%					100.0%				6.5%	93.5%			100.0%	100.0%	
Van	4000	2016	42	0.003	29.5	19.7	27.0	23.3		150	169	10.3	1.143	0.0423	46.6			100.0%					100.0%				5.3%	94.7%			100.0%	100.0%	
Van	4000	2017	-	0.002	29.7	19.8	27.1	23.4		153	169	10.3	1.108	0.0423	46.8			100.0%					100.0%					100.0%			100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	4500	1975	165	0.016	11.6	9.5	10.3	9.8		333	155		0.464	0.0345	22.2					100.0%	6.2%	93.8%				100.0%								
Van	4500	1976	188	0.015	13.3	10.7	12.3	11.3		330	153		0.463	0.0340	25.7					100.0%	5.0%	95.0%				100.0%								
Van	4500	1977	222	0.016	13.5	11.0	12.0	11.4		342	157		0.458	0.0348	25.9					100.0%	3.8%	96.2%				100.0%								
Van	4500	1978	289	0.020	13.0	10.7	11.4	11.0		341	157	13.4	0.460	0.0348	24.9					100.0%	2.6%	97.4%				100.0%								
Van	4500	1979	273	0.020	13.6	11.1	12.0	11.5		329	145	15.2	0.443	0.0322	26.3					100.0%	11.3%	87.8%	0.9%			100.0%								
Van	4500	1980	91	0.008	16.3	13.1	15.1	13.9		313	141	15.8	0.449	0.0313	31.5					100.0%	14.5%	37.7%	47.9%			100.0%								
Van	4500	1981	121	0.011	17.1	13.7	15.7	14.6		305	138	16.0	0.453	0.0306	33.0			0.2%		99.8%	13.3%	37.9%	48.8%			100.0%								
Van	4500	1982	164	0.017	16.8	13.5	15.3	14.2		307	145	16.6	0.474	0.0323	32.3					100.0%	6.8%	46.7%	46.6%			100.0%								
Van	4500	1983	215	0.021	17.3	13.7	16.1	14.7		308	149	14.7	0.485	0.0332	33.3					100.0%	3.4%	27.9%	68.7%			100.0%								
Van	4500	1984	245	0.017	17.0	13.4	16.0	14.4		309	153	14.4	0.493	0.0339	32.8					100.0%	2.9%	20.4%	76.7%			100.0%								
Van	4500	1985	258	0.018	16.1	12.8	14.9	13.7		309	156	14.1	0.503	0.0346	30.9					100.0%	1.0%	25.7%	73.3%			100.0%								
Van	4500	1986	284	0.019	17.5	13.8	16.2	14.8		304	148	14.0	0.485	0.0328	33.4					100.0%	0.6%	21.4%	78.0%			78.4%		21.6%		0.0%				
Van	4500	1987	252	0.017	17.3	13.5	16.2	14.7		313	163	13.3	0.521	0.0363	33.1					100.0%	1.0%	42.7%	56.3%			22.7%		32.2%	45.0%	0.0%				
Van	4500	1988	184	0.012	17.9	13.9	16.8	15.1		321	169	13.1	0.528	0.0376	34.0					100.0%	0.9%	38.6%	60.4%			0.7%		16.5%	82.8%	0.0%				
Van	4500	1989	223	0.015	17.5	13.5	16.5	14.8		323	175	12.4	0.541	0.0389	33.3				0.1%	99.9%	0.7%	27.3%	71.9%		0.1%			20.8%	79.1%	0.0%				
Van	4500	1990	268	0.021	18.7	14.1	17.9	15.7		306	174	11.6	0.569	0.0387	35.6				4.2%	95.8%	0.0%	10.7%	89.1%		0.1%			9.2%	90.8%	0.0%				
Van	4500	1991	211	0.017	19.1	14.3	18.4	16.0		294	170	11.9	0.580	0.0377	36.4				10.8%	89.2%	0.1%	5.6%	94.3%					12.7%	87.2%	0.0%				
Van	4500	1992	242	0.020	19.2	14.3	18.3	16.1		288	179	11.3	0.626	0.0398	36.5				13.6%	86.4%	0.0%	2.6%	97.4%					31.2%	68.8%					
Van	4500	1993	251	0.019	19.8	14.6	19.0	16.5		282	180	10.6	0.646	0.0400	37.3			1.3%	14.9%	83.8%		1.3%	98.7%					32.3%	67.7%					
Van	4500	1994	278	0.020	19.3	14.2	18.3	16.1		283	187	10.3	0.664	0.0414	36.5			0.0%	14.8%	85.1%		3.4%	96.6%					49.7%	50.3%		1.6%			
Van	4500	1995	291	0.019	19.1	14.0	18.1	15.8		292	190	10.3	0.662	0.0421	35.9				7.5%	92.5%		2.2%	97.8%					56.0%	44.0%		2.5%			
Van	4500	1996	291	0.022	20.6	14.8	20.0	17.1		248	177	11.4	0.716	0.0393	38.8			52.1%	6.1%	41.8%		2.2%	97.8%					100.0%			1.7%			
Van	4500	1997	275	0.019	20.7	14.8	19.9	17.1		252	182	11.1	0.727	0.0405	38.8			35.5%	13.3%	51.2%		2.0%	98.0%					100.0%			2.2%			
Van	4500	1998	188	0.013	21.5	15.3	20.6	17.7		242	186	11.3	0.770	0.0413	39.9			40.3%	14.7%	45.0%			100.0%					100.0%			4.6%			
Van	4500	1999	426	0.028	22.1	15.5	21.2	18.1		234	193	10.9	0.826	0.0428	40.8			76.0%	4.8%	19.3%			100.0%					100.0%			11.8%	11.8%		
Van	4500	2000	578	0.035	22.3	15.5	21.4	18.2		232	192	10.5	0.832	0.0426	41.2			78.4%	3.7%	17.9%			100.0%					100.0%			21.1%	21.1%		
Van	4500	2001	462	0.030	23.5	16.2	22.5	19.1		217	196	10.2	0.908	0.0436	43.2			88.5%	1.9%	9.6%			100.0%					100.0%			27.2%	26.7%		
Van	4500	2002	623	0.039	23.3	16.0	22.2	18.9		220	206	10.0	0.941	0.0458	42.8			90.9%	2.8%	6.3%			100.0%					100.0%			24.7%	23.9%		
Van	4500	2003	564	0.036	23.6	16.1	22.4	19.1		222	211	9.8	0.955	0.0468	43.1			88.6%	6.0%	5.4%			100.0%					100.0%			30.1%	29.3%		
Van	4500	2004	644	0.041	24.2	16.2	23.1	19.5		216	221	9.4	1.033	0.0492	44.1			93.2%	5.0%	1.8%			100.0%					100.0%			64.8%	64.8%		
Van	4500	2005	955	0.060	24.1	16.1	22.9	19.4		218	219	9.5	1.012	0.0487	43.7			92.3%	6.6%	1.1%			96.2%	3.8%				100.0%			42.6%	38.8%		
Van	4500	2006	928	0.061	24.5	16.3	23.5	19.8		216	215	9.6	1.000	0.0477	44.5			95.6%	4.4%				97.9%	2.1%				100.0%			52.0%	44.7%		
Van	4500	2007	734	0.048	24.2	16.1	23.3	19.6		219	230	9.3	1.051	0.0510	44.1			97.2%	2.8%				98.3%	1.7%				100.0%			56.6%	56.2%		
Van	4500	2008	713	0.051	24.7	16.4	23.6	19.9		218	221	9.6	1.014	0.0490	44.8			96.1%	3.9%				100.0%					100.0%			51.7%	51.0%		
Van	4500	2009	256	0.028	24.7	16.5	23.5	19.9		216	219	9.4	1.019	0.0486	44.7			97.4%	2.6%				100.0%					100.0%			46.9%	39.6%		
Van	4500	2010	361	0.033	24.4	16.3	23.3	19.7		221	210	9.6	0.955	0.0467	44.3			98.4%	1.6%				100.0%					100.0%			29.6%	29.6%		
Van	4500	2011	455	0.038	26.6	17.7	25.0	21.2		214	266	8.1	1.243	0.0592	47.8			98.5%	1.5%				96.5%	3.5%				100.0%			100.0%	100.0%		
Van	4500	2012	555	0.041	26.7	17.7	25.3	21.4		215	268	8.1	1.245	0.0596	48.1			99.1%	0.9%				96.2%	3.8%				100.0%			100.0%	100.0%		
Van	4500	2013	353	0.023	26.6	17.6	25.3	21.3		215	269	8.1	1.251	0.0598	48.0			100.0%					96.7%	3.3%				100.0%			100.0%	100.0%		
Van	4500	2014	569	0.037	26.8	17.8	25.4	21.4		216	271	8.0	1.251	0.0601	48.3			100.0%					98.5%	1.5%			0.0%	100.0%			100.0%	100.0%		
Van	4500	2015	508	0.030	27.0	17.9	25.4	21.6		215	268	8.0	1.250	0.0596	48.6			100.0%					97.5%	2.5%			5.0%	95.0%			100.0%	100.0%		
Van	4500	2016	528	0.032	27.0	17.9	25.6	21.6		214	268	8.0	1.254	0.0596	48.7			99.1%		0.9%			98.5%	1.5%			9.9%	90.1%			100.0%	100.0%		
Van	4500	2017	-	0.021	28.3	18.5	26.9	22.5		215	283	7.4	1.317	0.0630	50.7			99.6%		0.4%			98.6%	1.4%			10.0%	90.0%			100.0%	100.0%		

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	5000	1975	12	0.001	12.0	9.7	10.7	10.2		398	200		0.497	0.0401	25.5					100.0%	13.1%	86.9%				100.0%							
Van	5000	1976	8	0.001	12.4	10.1	10.9	10.5		370	169		0.455	0.0338	26.3					100.0%	1.9%	98.1%				100.0%							
Van	5000	1977	18	0.001	12.4	10.0	11.2	10.5		404	187		0.464	0.0375	26.3					100.0%	2.7%	97.3%				100.0%							
Van	5000	1978	12	0.001	12.5	10.3	11.0	10.6		389	183	12.9	0.470	0.0365	26.5					100.0%	1.0%	99.0%				100.0%							
Van	5000	1979	96	0.007	11.8	9.6	10.6	10.0		347	155	15.6	0.446	0.0309	25.4					100.0%	4.3%	89.2%	6.5%			100.0%							
Van	5000	1980	35	0.003	14.2	11.4	13.1	12.1		334	148	16.3	0.441	0.0295	30.3					100.0%	5.0%	75.1%	19.9%			100.0%							
Van	5000	1981	26	0.002	14.8	11.9	13.6	12.6		325	145	16.4	0.448	0.0290	31.8					100.0%	4.8%	63.4%	31.7%			100.0%							
Van	5000	1982	36	0.004	15.1	12.1	13.8	12.8		320	144	17.7	0.450	0.0288	32.3					100.0%	4.7%	65.8%	29.4%			100.0%							
Van	5000	1983	49	0.005	17.1	13.5	16.0	14.5		336	143	15.9	0.431	0.0286	38.0					100.0%	2.6%	28.0%	69.4%			73.1%				26.9%			
Van	5000	1984	54	0.004	15.6	12.3	14.7	13.3		329	155	15.1	0.472	0.0310	34.1					100.0%	3.5%	44.6%	51.9%			91.6%				8.4%			
Van	5000	1985	52	0.004	15.4	12.2	14.4	13.1		323	158	14.8	0.486	0.0315	33.3					100.0%	1.5%	33.3%	65.2%			97.2%				2.8%			
Van	5000	1986	62	0.004	16.0	12.5	15.0	13.5		326	162	14.0	0.495	0.0324	34.2					100.0%	0.7%	40.6%	58.7%			75.1%		23.5%		1.4%			
Van	5000	1987	64	0.004	15.9	12.3	15.0	13.4		323	167	13.9	0.516	0.0334	33.9					100.0%	0.4%	51.5%	48.1%			45.8%		40.0%	13.6%	0.6%			
Van	5000	1988	100	0.007	16.7	12.8	16.1	14.2		312	156	14.5	0.500	0.0313	35.6					100.0%	0.0%	25.8%	74.2%			1.0%		84.0%	14.3%	0.7%			
Van	5000	1989	99	0.007	16.5	12.5	15.8	13.9		315	159	13.9	0.503	0.0318	35.0					100.0%	0.0%	23.3%	76.6%					83.0%	16.5%	0.5%			
Van	5000	1990	84	0.007	16.5	12.5	15.7	13.9		317	165	12.7	0.519	0.0331	34.8			0.3%	99.7%			13.1%	86.9%					81.8%	17.5%	0.7%			
Van	5000	1991	56	0.004	16.6	12.5	15.8	13.9		315	165	12.8	0.522	0.0330	34.9				100.0%			13.6%	86.4%					82.8%	16.3%	0.8%			
Van	5000	1992	92	0.008	17.5	13.1	16.7	14.7		305	169	12.4	0.557	0.0339	36.9			15.4%	84.6%			18.6%	81.4%					90.0%	9.5%	0.5%			
Van	5000	1993	101	0.008	17.7	13.1	16.9	14.8		306	184	11.0	0.607	0.0369	37.1			18.3%	81.7%			13.6%	86.4%					94.3%	5.7%				
Van	5000	1994	108	0.008	17.6	12.9	17.0	14.7		308	190	10.7	0.623	0.0381	36.8			18.3%	81.7%			12.0%	88.0%					98.0%	2.0%				
Van	5000	1995	106	0.007	17.8	13.0	16.9	14.7		302	184	11.2	0.613	0.0367	36.9		1.7%	22.7%	75.6%	0.7%	12.3%	87.0%						90.2%	9.8%				
Van	5000	1996	100	0.008	17.8	12.9	17.0	14.8		317	203	11.0	0.644	0.0407	37.0			15.2%	84.8%		6.9%	93.1%						100.0%					
Van	5000	1997	136	0.009	19.0	13.7	18.1	15.7		296	219	10.4	0.743	0.0438	39.3			16.9%	83.1%			100.0%						100.0%					
Van	5000	1998	135	0.009	18.6	13.3	17.8	15.4		295	217	10.8	0.738	0.0433	38.5			15.3%	84.7%			100.0%						100.0%					
Van	5000	1999	176	0.012	18.2	13.0	17.3	15.0		296	219	10.6	0.741	0.0437	37.4		0.1%	11.3%	88.6%			100.0%						100.0%			0.1%		
Van	5000	2000	145	0.009	18.4	13.1	17.1	15.0		292	219	10.2	0.751	0.0437	37.6			16.7%	83.3%			100.0%						100.0%					
Van	5000	2001	174	0.011	19.1	13.4	17.9	15.5		284	226	9.8	0.800	0.0452	39.0			12.7%	87.3%			100.0%						100.0%					
Van	5000	2002	155	0.010	18.7	13.2	17.3	15.2		262	210	10.4	0.813	0.0420	38.1		32.1%	13.3%	54.6%			100.0%						100.0%			32.1%		
Van	5000	2003	137	0.009	19.3	13.5	17.7	15.6		252	205	10.5	0.820	0.0409	39.1		37.7%	15.3%	47.0%			100.0%						100.0%			37.7%		
Van	5000	2004	101	0.006	20.4	13.9	19.4	16.5		241	205	10.5	0.857	0.0410	41.5		52.5%	10.0%	37.5%			100.0%						100.0%			52.5%		
Van	5000	2005	130	0.008	20.7	14.0	19.6	16.7		235	202	10.5	0.869	0.0404	41.9		58.9%	10.5%	30.6%			100.0%						100.0%			58.9%		
Van	5000	2006	63	0.004	19.9	13.7	18.1	15.9		267	216	10.3	0.810	0.0432	39.9			13.0%	87.0%			100.0%						100.0%					
Van	5000	2007	23	0.002	20.4	14.1	18.7	16.4		269	205	10.7	0.761	0.0411	41.0				100.0%			100.0%						100.0%					
Van	5000	2008	51	0.004	23.9	16.1	22.5	19.2		249	232	9.6	0.939	0.0464	48.6		63.9%		36.1%			100.0%						100.0%			63.9%		
Van	5000	2009	84	0.009	25.3	16.7	24.5	20.4		226	239	9.3	1.066	0.0479	51.3		88.5%		11.5%			100.0%						100.0%			88.5%	58.9%	
Van	5000	2010	134	0.012	25.3	16.7	24.7	20.5		228	243	9.2	1.075	0.0487	51.3		93.7%		6.3%			100.0%						100.0%			93.7%	57.5%	
Van	5000	2011	27	0.002	22.9	15.6	21.1	18.4		225	247	9.4	1.120	0.0493	45.9			72.8%	27.2%			100.0%						100.0%			72.8%	72.8%	
Van	5000	2012	27	0.002	22.6	15.4	21.0	18.2		240	229	9.9	0.982	0.0459	45.6			44.9%	55.1%			100.0%						100.0%			44.9%	44.9%	
Van	5000	2013	145	0.010	25.0	16.6	24.0	20.1		221	275	8.5	1.252	0.0551	50.4		79.6%	13.9%	6.5%			100.0%						100.0%			93.5%	93.5%	
Van	5000	2014	35	0.002	22.7	15.4	21.3	18.3		230	244	9.5	1.084	0.0487	46.0		3.6%	61.0%	35.4%			100.0%						100.0%			64.6%	64.6%	
Van	5000	2015	33	0.002	24.3	16.4	22.9	19.5		211	269	8.7	1.277	0.0538	48.9		10.0%	90.0%									10.0%	90.0%			100.0%	100.0%	
Van	5000	2016	22	0.001	25.1	17.0	22.9	19.9		194	258	8.8	1.362	0.0516	49.9		13.7%	67.8%	18.5%			100.0%					32.2%	67.8%			100.0%	100.0%	
Van	5000	2017	-	0.005	30.3	20.4	26.9	23.7		210	281	7.7	1.342	0.0563	64.5		76.7%	21.7%	1.7%			84.8%	15.2%			6.8%	93.2%			100.0%	100.0%	15.2%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	5500	1975																														
Van	5500	1976	0	0.000	11.1	9.0	10.0	9.4		350	160		0.457	0.0291	25.9					100.0%		100.0%				100.0%							
Van	5500	1977																														
Van	5500	1978																														
Van	5500	1979	17	0.001	11.4	9.5	9.9	9.7		377	168	15.9	0.438	0.0305	26.9					100.0%	3.1%	96.9%				100.0%							
Van	5500	1980	8	0.001	12.4	10.0	11.2	10.5		356	154	16.6	0.431	0.0279	28.9					100.0%		99.2%	0.8%			100.0%							
Van	5500	1981	1	0.000	12.3	9.9	11.2	10.5		346	154	16.5	0.447	0.0281	29.0					100.0%	4.4%	95.6%				100.0%							
Van	5500	1982	0	0.000	13.4	10.9	12.1	11.4		337	143	18.5	0.427	0.0260	31.4					100.0%	2.3%	95.2%	2.5%			100.0%							
Van	5500	1983	5	0.000	18.2	14.2	17.5	15.5		369	140	16.8	0.383	0.0255	46.3					100.0%	0.6%	16.2%	83.2%			38.8%				61.2%			
Van	5500	1984	6	0.000	14.5	11.4	13.9	12.4		362	158	15.6	0.438	0.0287	37.1					100.0%	1.0%	39.6%	59.3%			67.2%				32.8%			
Van	5500	1985	5	0.000	12.9	10.3	12.0	11.0		351	180	14.2	0.512	0.0327	30.4					100.0%		55.1%	44.9%			100.0%							
Van	5500	1986	6	0.000	15.0	12.0	13.7	12.7		286	158	14.8	0.594	0.0288	36.6					100.0%	32.4%	32.6%	35.0%			67.6%				32.4%			
Van	5500	1987	5	0.000	14.6	11.3	13.8	12.4		346	196	13.1	0.564	0.0356	34.6					100.0%		49.3%	50.7%			49.3%		11.6%	39.1%				
Van	5500	1988	10	0.001	14.2	11.0	13.3	12.0		347	195	13.4	0.562	0.0355	33.4					100.0%		71.0%	29.0%			3.2%		71.4%	24.3%	1.1%			
Van	5500	1989	5	0.000	14.4	11.2	13.4	12.1		343	192	13.0	0.559	0.0349	34.0					100.0%		55.0%	45.0%					66.2%	33.5%	0.3%			
Van	5500	1990	9	0.001	14.4	10.7	14.3	12.2		347	199	11.7	0.574	0.0363	33.7					100.0%		4.9%	95.1%					82.5%	17.5%	0.0%			
Van	5500	1991	10	0.001	15.2	11.3	14.9	12.8		334	187	12.4	0.556	0.0340	35.3					100.0%			100.0%					89.0%	10.9%	0.0%			
Van	5500	1992	18	0.002	15.9	11.8	15.3	13.3		323	178	12.6	0.548	0.0323	36.8					100.0%		6.3%	93.7%					92.9%	7.1%				
Van	5500	1993	31	0.002	16.1	12.1	15.2	13.4		321	178	11.8	0.553	0.0324	37.1				0.6%	99.4%		22.0%	78.0%					89.5%	10.5%				
Van	5500	1994	27	0.002	16.2	12.1	15.1	13.5		316	174	12.0	0.550	0.0316	37.2					100.0%		25.9%	74.1%					90.9%	9.1%				
Van	5500	1995	27	0.002	16.2	12.0	15.1	13.5		314	172	12.4	0.545	0.0312	37.2					100.0%		29.2%	70.8%					94.9%	5.1%				
Van	5500	1996	25	0.002	15.8	11.6	14.8	13.1		314	169	13.1	0.536	0.0308	36.0					100.0%		38.5%	61.5%					100.0%					
Van	5500	1997	27	0.002	17.3	12.4	16.7	14.3		288	212	11.2	0.743	0.0385	39.6			5.9%		94.1%			100.0%					100.0%					
Van	5500	1998	31	0.002	17.4	12.4	16.9	14.4		296	217	11.3	0.738	0.0395	39.7					100.0%			100.0%					100.0%					
Van	5500	1999	36	0.002	17.5	12.3	16.9	14.4		294	226	11.0	0.772	0.0410	39.7			2.8%		97.2%			100.0%					100.0%					
Van	5500	2000	17	0.001	17.2	12.2	16.3	14.1		296	221	10.7	0.753	0.0402	39.0			10.0%		90.0%			100.0%					100.0%					
Van	5500	2001	66	0.004	17.4	12.1	16.9	14.3		314	249	9.7	0.798	0.0452	39.3			1.9%	17.8%	80.3%			100.0%					100.0%			1.9%		
Van	5500	2002	11	0.001	17.5	12.3	16.4	14.3		298	228	10.4	0.782	0.0415	39.4			7.2%		92.8%			100.0%					100.0%			7.2%		
Van	5500	2003	21	0.001	18.2	12.9	16.6	14.7		312	264	9.4	0.845	0.0479	40.6			1.4%	1.9%	96.7%			100.0%					100.0%			1.4%		
Van	5500	2004	6	0.000	19.1	13.3	17.5	15.4		298	251	9.8	0.842	0.0457	42.4				24.9%	75.1%			100.0%					100.0%					
Van	5500	2005	5	0.000	19.3	13.3	17.8	15.5		301	260	9.6	0.859	0.0472	42.8				39.2%	60.8%			100.0%					100.0%					
Van	5500	2006	7	0.000	19.2	13.2	17.6	15.4		293	250	9.9	0.847	0.0454	42.4				33.6%	66.4%			100.0%					100.0%					
Van	5500	2007	2	0.000	19.2	13.2	18.0	15.6		325	295	9.0	0.908	0.0536	42.8				100.0%				100.0%					100.0%					
Van	5500	2008	5	0.000	19.3	13.6	17.3	15.5		325	301	8.8	0.926	0.0547	42.5				48.5%	51.5%			100.0%					100.0%					
Van	5500	2009	3	0.000	17.8	12.5	15.9	14.2		325	301	8.7	0.926	0.0547	39.2				55.0%	45.0%			100.0%					100.0%					
Van	5500	2010	3	0.000	18.6	12.9	16.9	14.9		323	301	8.8	0.932	0.0547	41.0				64.7%	35.3%			100.0%					100.0%				100.0%	
Van	5500	2011	3	0.000	18.3	12.8	16.9	14.8		317	290	9.0	0.914	0.0527	40.9				50.4%	49.6%			100.0%					100.0%			14.9%	78.6%	
Van	5500	2012	4	0.000	18.1	12.7	16.7	14.7		318	297	10.4	0.931	0.0540	40.5				61.1%	38.9%			100.0%					100.0%				85.7%	
Van	5500	2013	4	0.000	18.5	12.9	17.0	15.0		323	308	8.7	0.953	0.0560	41.2				65.6%	34.4%			100.0%					100.0%				97.0%	
Van	5500	2014	3	0.000	18.5	12.9	16.9	14.9		324	309	8.7	0.955	0.0562	41.1				73.4%	26.6%			100.0%					100.0%				98.0%	
Van	5500	2015																														
Van	5500	2016	1	0.000	20.1	13.9	18.5	16.2		226	270	9.0	1.196	0.0491	44.6					100.0%			100.0%					100.0%			100.0%	100.0%	
Van	5500	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb		CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	6000	1975	1	0.000	11.1	9.1	9.7	9.4		317	149		0.470	0.0248	28.5					100.0%	85.3%	14.7%				100.0%							
Van	6000	1976	1	0.000	11.9	9.7	10.6	10.1		325	144		0.445	0.0240	30.5					100.0%	85.7%	14.3%				100.0%							
Van	6000	1977	1	0.000	13.0	10.9	11.2	11.0		318	148		0.468	0.0247	33.2					100.0%	65.6%	34.4%				100.0%							
Van	6000	1978	1	0.000	12.5	10.4	10.9	10.6		324	154	16.8	0.475	0.0256	31.9					100.0%	64.3%	35.7%				100.0%							
Van	6000	1979	3	0.000	10.6	8.4	10.1	9.1		460	270	11.7	0.587	0.0450	27.2					100.0%		100.0%				100.0%							
Van	6000	1980	1	0.000	10.9	9.1	9.4	9.2		400	187	15.2	0.468	0.0312	27.7					100.0%		100.0%				100.0%							
Van	6000	1981																														
Van	6000	1982	0	0.000	11.9	9.5	10.8	10.1		350	165	17.7	0.471	0.0275	30.3					100.0%			100.0%			100.0%							
Van	6000	1983	0	0.000	12.6	10.1	11.6	10.7		366	150	17.2	0.410	0.0250	32.2					100.0%		100.0%				100.0%							
Van	6000	1984	0	0.000	12.9	10.4	11.8	10.9		366	150	17.1	0.410	0.0250	32.8					100.0%		100.0%				100.0%							
Van	6000	1985	1	0.000	21.3	16.2	21.5	18.2		376	133	17.7	0.354	0.0222	55.7					100.0%	2.1%		97.9%			8.8%				91.2%			
Van	6000	1986	1	0.000	23.1	17.5	22.9	19.6		379	130	17.1	0.343	0.0217	58.9					100.0%	2.2%		97.8%							100.0%			
Van	6000	1987	0	0.000	22.9	17.4	22.4	19.4		379	130	17.4	0.343	0.0217	58.1					100.0%	0.6%		99.4%							100.0%			
Van	6000	1988	0	0.000	21.7	16.1	21.9	18.4		379	126	18.0	0.332	0.0210	55.2					100.0%	0.9%		99.1%							100.0%			
Van	6000	1989	0	0.000	21.3	16.0	20.8	18.0		379	130	17.0	0.343	0.0217	54.0					100.0%	1.4%		98.6%							100.0%			
Van	6000	1990	0	0.000	21.5	15.8	21.7	18.2		379	135	15.6	0.356	0.0225	54.5					100.0%			100.0%							100.0%			
Van	6000	1991	0	0.000	20.4	15.2	19.8	17.1		379	140	15.3	0.369	0.0233	51.4					100.0%			100.0%							100.0%			
Van	6000	1992	4	0.000	15.0	10.8	15.2	12.6		352	202	11.9	0.574	0.0337	38.0					100.0%			100.0%					95.4%		4.6%			
Van	6000	1993	0	0.000	21.3	15.7	20.2	17.7		379	145	13.7	0.383	0.0242	53.0					100.0%			100.0%					100.0%					
Van	6000	1994	6	0.000	15.5	11.2	15.4	13.0		352	204	11.0	0.582	0.0341	39.0					100.0%			100.0%					100.0%					
Van	6000	1995	6	0.000	16.1	11.5	15.9	13.4		344	197	11.7	0.570	0.0328	40.3					100.0%			100.0%					100.0%					
Van	6000	1996	5	0.000	16.1	11.5	15.9	13.4		350	205	11.7	0.587	0.0342	40.2					100.0%			100.0%					100.0%					
Van	6000	1997	3	0.000	16.5	11.7	16.4	13.8		331	225	11.1	0.680	0.0375	41.3					100.0%			100.0%					100.0%					
Van	6000	1998	2	0.000	16.6	11.7	16.5	13.8		330	225	11.4	0.682	0.0375	41.4					100.0%			100.0%					100.0%					
Van	6000	1999	3	0.000	16.2	11.4	15.9	13.4		330	235	11.1	0.712	0.0392	40.2					100.0%			100.0%					100.0%					
Van	6000	2000	3	0.000	16.3	11.6	15.3	13.4		330	255	10.1	0.773	0.0425	40.1					100.0%			100.0%					100.0%					
Van	6000	2001	67	0.004	16.0	11.2	15.4	13.1		330	260	10.0	0.787	0.0433	39.4				95.4%	4.6%			100.0%					100.0%					
Van	6000	2002	4	0.000	17.1	12.0	16.0	13.9		330	255	10.1	0.773	0.0425	41.8					100.0%			100.0%					100.0%					
Van	6000	2003	17	0.001	18.5	12.8	17.4	15.0		322	281	9.5	0.871	0.0468	45.3				39.1%	60.9%			100.0%					100.0%					
Van	6000	2004	16	0.001	18.7	13.1	17.2	15.1		324	278	9.6	0.857	0.0463	45.5				17.8%	82.2%			100.0%					100.0%					
Van	6000	2005	11	0.001	18.2	12.7	16.5	14.7		325	278	9.5	0.856	0.0463	44.0				18.6%	81.4%			100.0%					100.0%					
Van	6000	2006	9	0.001	18.2	12.6	16.6	14.6		326	283	9.5	0.868	0.0471	44.0				19.0%	81.0%			100.0%					100.0%					
Van	6000	2007	6	0.000	18.1	12.6	16.5	14.6		325	295	9.3	0.908	0.0492	43.8				28.6%	71.4%			100.0%					100.0%					
Van	6000	2008	5	0.000	17.6	12.4	15.8	14.1		325	310	9.1	0.955	0.0517	42.3				32.9%	67.1%			100.0%					100.0%					
Van	6000	2009	3	0.000	17.7	12.5	15.9	14.2		325	301	9.1	0.926	0.0502	42.7				37.3%	62.7%			100.0%					100.0%					
Van	6000	2010	4	0.000	18.4	12.8	16.6	14.7		323	301	9.2	0.932	0.0502	44.2				33.3%	66.7%			100.0%					100.0%				100.0%	
Van	6000	2011	6	0.001	17.8	12.5	16.2	14.4		312	272	9.8	0.871	0.0454	43.2				21.7%	78.3%			100.0%					100.0%				56.5%	
Van	6000	2012	6	0.000	17.9	12.6	16.3	14.5		311	276	9.9	0.885	0.0461	43.5				15.8%	84.2%			100.0%					100.0%				55.7%	
Van	6000	2013	5	0.000	17.8	12.5	16.3	14.4		310	276	9.8	0.884	0.0459	43.3				20.3%	79.7%			100.0%					100.0%				55.1%	
Van	6000	2014	6	0.000	18.0	12.6	16.5	14.6		317	292	9.4	0.917	0.0486	43.8				28.5%	71.5%			100.0%					100.0%				75.2%	
Van	6000	2015	6	0.000	20.8	14.3	19.1	16.7		224	275	9.3	1.226	0.0458	50.2					100.0%			100.0%					100.0%			100.0%	100.0%	
Van	6000	2016	7	0.000	20.0	14.0	18.1	16.1		224	281	9.1	1.254	0.0468	48.2				1.2%	98.8%			100.0%				13.4%	86.6%			100.0%	100.0%	
Van	6000	2017	-	0.001	20.1	14.2	18.0	16.1		224	281	9.1	1.256	0.0468	48.3					100.0%			100.0%				14.8%	85.2%			100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission						Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	6500	1975	1	0.000	10.6	8.9	9.0	9.0		321	150		0.468	0.0231	29.2					100.0%		100.0%				100.0%							
Van	6500	1976	1	0.000	11.5	9.4	10.4	9.8		324	144		0.447	0.0222	31.9					100.0%	0.2%	99.8%				100.0%							
Van	6500	1977	2	0.000	12.3	10.3	10.6	10.4		316	142		0.453	0.0219	34.0					100.0%		100.0%				100.0%							
Van	6500	1978	1	0.000	11.7	9.7	10.3	9.9		328	155	18.1	0.474	0.0239	32.3					100.0%		100.0%				100.0%							
Van	6500	1979																															
Van	6500	1980																															
Van	6500	1981																															
Van	6500	1982																															
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Van	6500	2010																															
Van	6500	2011	1	0.000	14.4	10.3	13.1	11.7		333	271	10.2	0.813	0.0417	40.2					100.0%			100.0%					100.0%				29.6%	
Van	6500	2012	1	0.000	15.7	11.0	14.6	12.8		321	270	11.2	0.846	0.0416	42.2					100.0%			100.0%					100.0%				43.4%	
Van	6500	2013	1	0.000	14.5	10.6	12.8	11.7		325	267	10.2	0.826	0.0411	38.6					100.0%			100.0%					100.0%				32.6%	
Van	6500	2014	1	0.000	15.5	11.0	14.1	12.6		328	265	10.4	0.810	0.0407	41.8					100.0%			100.0%					100.0%				23.3%	
Van	6500	2015	2	0.000	16.5	11.2	16.5	13.7		309	290	9.2	0.941	0.0445	44.5					100.0%			100.0%					100.0%				100.0%	
Van	6500	2016	1	0.000	16.0	10.8	16.0	13.2		366	324	8.5	0.885	0.0498	43.0					100.0%			100.0%					100.0%				100.0%	
Van	6500	2017	-	0.000	15.9	10.8	15.9	13.2		366	324	8.5	0.885	0.0498	43.0					100.0%			100.0%					100.0%				100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	7000	1975																														
Van	7000	1976																														
Van	7000	1977																														
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Van	7000	2009																														
Van	7000	2010																														
Van	7000	2011	1	0.000	15.4	10.5	15.2	12.7		368	322	8.9	0.876	0.0460	44.6					100.0%			100.0%					100.0%				95.3%	
Van	7000	2012	1	0.000	15.0	10.2	15.1	12.5		367	322	8.9	0.878	0.0460	43.8					100.0%			100.0%					100.0%				94.8%	
Van	7000	2013	1	0.000	15.1	10.2	15.2	12.6		362	320	9.0	0.885	0.0457	44.0					100.0%			100.0%					100.0%				96.2%	
Van	7000	2014	1	0.000	15.2	10.4	15.1	12.6		364	321	8.9	0.884	0.0459	44.2					100.0%			100.0%					100.0%				96.8%	
Van	7000	2015	1	0.000	15.4	10.5	15.5	12.8		346	312	9.1	0.904	0.0446	44.9					100.0%			100.0%					100.0%				100.0%	
Van	7000	2016	0	0.000	17.4	11.6	17.1	14.2		297	314	9.3	1.112	0.0448	50.2			49.6%	50.4%				100.0%					100.0%			49.6%	100.0%	
Van	7000	2017	-	0.000	15.5	10.4	15.7	12.9		366	324	8.9	0.885	0.0463	45.1					100.0%			100.0%					100.0%				100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Van	8000	1975																														
Van	8000	1976																														
Van	8000	1977																														
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Van	8000	2009																														
Van	8000	2010																														
Van	8000	2011																														
Van	8000	2012	0	0.000	14.5	9.9	14.4	12.1		366	324	9.6	0.885	0.0405	48.3					100.0%			100.0%					100.0%				100.0%	
Van	8000	2013																														
Van	8000	2014																														
Van	8000	2015																														
Van	8000	2016																														
Van	8000	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	2000	1975																														
Truck SUV	2000	1976																														
Truck SUV	2000	1977																														
Truck SUV	2000	1978																														
Truck SUV	2000	1979	1	0.000	25.7	20.9	23.0	21.8		49	41	24.0	0.837	0.0205	21.8				100.0%		100.0%					100.0%							
Truck SUV	2000	1980	3	0.000	25.2	20.3	22.9	21.4		49	41	24.5	0.837	0.0205	21.4				100.0%		100.0%					100.0%							
Truck SUV	2000	1981	1	0.000	25.2	20.3	22.9	21.4		49	41	24.4	0.837	0.0205	21.4				100.0%		100.0%					100.0%							
Truck SUV	2000	1982	1	0.000	25.2	21.3	21.3	21.3		59	45	24.0	0.763	0.0225	21.3				100.0%		100.0%					100.0%							
Truck SUV	2000	1983	1	0.000	25.2	21.3	21.3	21.3		59	45	22.0	0.763	0.0225	21.3				100.0%		100.0%					100.0%							
Truck SUV	2000	1984																														
Truck SUV	2000	1985																														
Truck SUV	2000	1986																														
Truck SUV	2000	1987																														
Truck SUV	2000	1988																														
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Truck SUV	2000	2016																														
Truck SUV	2000	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	2250	1975																														
Truck SUV	2250	1976																														
Truck SUV	2250	1977																														
Truck SUV	2250	1978																														
Truck SUV	2250	1979																														
Truck SUV	2250	1980																														
Truck SUV	2250	1981																														
Truck SUV	2250	1982	2	0.000	24.8	20.9	21.1	21.0		59	45	25.6	0.763	0.0200	23.6				100.0%		100.0%					100.0%							
Truck SUV	2250	1983	3	0.000	24.8	20.9	21.1	21.0		59	45	23.5	0.763	0.0200	23.6				100.0%		100.0%					100.0%							
Truck SUV	2250	1984	5	0.000	28.8	25.3	23.1	24.2		59	45	23.3	0.763	0.0200	27.3				100.0%		100.0%					100.0%							
Truck SUV	2250	1985	6	0.000	28.8	25.3	23.1	24.2		61	45	23.0	0.738	0.0200	27.3				100.0%		100.0%					100.0%							
Truck SUV	2250	1986	37	0.002	33.1	27.0	29.1	27.9		81	64	16.2	0.790	0.0284	31.4				100.0%		100.0%					100.0%							
Truck SUV	2250	1987	63	0.004	33.1	26.8	29.0	27.8		81	64	16.5	0.790	0.0284	31.3				100.0%		100.0%					100.0%							
Truck SUV	2250	1988	83	0.005	33.3	27.0	28.7	27.8		81	64	16.7	0.790	0.0284	31.2				100.0%		100.0%					100.0%							
Truck SUV	2250	1989	6	0.000	33.4	27.0	28.4	27.7		80	64	16.1	0.797	0.0284	31.2				100.0%		100.0%					100.0%							
Truck SUV	2250	1990																														
Truck SUV	2250	1991																														
Truck SUV	2250	1992																														
Truck SUV	2250	1993																														
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Truck SUV	2250	2012																														
Truck SUV	2250	2013																														
Truck SUV	2250	2014																														
Truck SUV	2250	2015																														
Truck SUV	2250	2016																														
Truck SUV	2250	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	2500	1975																														
Truck SUV	2500	1976																														
Truck SUV	2500	1977																														
Truck SUV	2500	1978																														
Truck SUV	2500	1979																														
Truck SUV	2500	1980																														
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Truck SUV	2500	1984																														
Truck SUV	2500	1985																														
Truck SUV	2500	1986																														
Truck SUV	2500	1987																														
Truck SUV	2500	1988																														
Truck SUV	2500	1989	40	0.003	31.3	25.3	26.8	26.0		97	80	15.2	0.825	0.0320	32.6				100.0%		56.2%		43.8%						100.0%				
Truck SUV	2500	1990	32	0.003	31.8	25.4	27.4	26.3		94	77	13.9	0.827	0.0310	32.9				100.0%		100.0%								100.0%				
Truck SUV	2500	1991	3	0.000	33.5	27.0	27.9	27.5		79	66	15.8	0.835	0.0264	34.4				100.0%		100.0%								100.0%				
Truck SUV	2500	1992	2	0.000	33.5	26.8	27.8	27.3		79	66	15.5	0.835	0.0264	34.2				100.0%		100.0%								100.0%				
Truck SUV	2500	1993	0	0.000	33.5	26.6	27.7	27.2		79	66	14.5	0.835	0.0264	34.0				100.0%		100.0%								100.0%				
Truck SUV	2500	1994	3	0.000	33.5	26.4	27.6	27.0		79	66	14.4	0.835	0.0264	33.8				100.0%		100.0%								100.0%				
Truck SUV	2500	1995	1	0.000	30.5	23.4	26.1	24.7		90	84	12.6	0.926	0.0337	31.0				100.0%		100.0%							63.1%	36.9%					
Truck SUV	2500	1996																														
Truck SUV	2500	1997																														
Truck SUV	2500	1998																														
Truck SUV	2500	1999																														
Truck SUV	2500	2000																														
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Truck SUV	2500	2011																														
Truck SUV	2500	2012																														
Truck SUV	2500	2013																														
Truck SUV	2500	2014																														
Truck SUV	2500	2015																														
Truck SUV	2500	2016																														
Truck SUV	2500	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	2750	1975	47	0.005	16.8	13.5	15.5	14.3		276	120		0.429	0.0435	19.8				100.0%		100.0%					100.0%							
Truck SUV	2750	1976	41	0.003	17.8	14.7	15.5	15.1		268	102		0.379	0.0371	20.8				100.0%		89.1%	10.9%				100.0%							
Truck SUV	2750	1977	44	0.003	18.6	15.2	16.6	15.8		271	104		0.381	0.0377	21.8				100.0%		92.5%	7.5%				100.0%							
Truck SUV	2750	1978	58	0.004	18.1	14.8	16.2	15.4		270	103	12.5	0.379	0.0373	21.2				100.0%		89.7%	10.3%				100.0%							
Truck SUV	2750	1979																														
Truck SUV	2750	1980																														
Truck SUV	2750	1981																														
Truck SUV	2750	1982																														
Truck SUV	2750	1983																														
Truck SUV	2750	1984																														
Truck SUV	2750	1985																														
Truck SUV	2750	1986	0	0.000	25.6	20.0	24.2	21.7		96	86	15.0	0.896	0.0313	29.8				100.0%		100.0%					100.0%							
Truck SUV	2750	1987																														
Truck SUV	2750	1988																														
Truck SUV	2750	1989	0	0.000	29.3	23.9	24.9	24.4		97	80	17.0	0.825	0.0291	33.5				100.0%				100.0%						100.0%				
Truck SUV	2750	1990	14	0.001	28.7	23.2	24.4	23.8		97	80	16.0	0.825	0.0291	32.7				100.0%				100.0%						100.0%				
Truck SUV	2750	1991	28	0.002	28.9	23.0	24.8	23.9		97	80	15.2	0.825	0.0291	32.9				100.0%		56.7%		43.3%						100.0%				
Truck SUV	2750	1992	23	0.002	28.9	22.9	24.7	23.8		97	80	14.8	0.825	0.0291	32.7				100.0%		56.8%		43.2%						100.0%				
Truck SUV	2750	1993	22	0.002	29.0	22.7	24.6	23.7		97	80	13.9	0.825	0.0291	32.6				100.0%		57.6%		42.4%					15.9%	84.1%				
Truck SUV	2750	1994	38	0.003	28.7	22.3	24.3	23.3		97	82	13.7	0.847	0.0299	32.1				100.0%		50.6%		49.4%					14.3%	85.7%		14.3%		
Truck SUV	2750	1995	38	0.002	28.4	21.8	24.3	23.0		97	95	12.8	0.979	0.0345	31.7				100.0%		47.4%		52.6%					100.0%					
Truck SUV	2750	1996	26	0.002	28.4	21.6	24.2	22.9		97	95	13.2	0.979	0.0345	31.5				100.0%		49.6%		50.4%					100.0%			100.0%		
Truck SUV	2750	1997	10	0.001	28.3	21.5	23.9	22.7		97	95	13.2	0.979	0.0345	31.3				100.0%		48.4%		51.6%					100.0%			100.0%		
Truck SUV	2750	1998	9	0.001	28.4	21.5	23.9	22.7		97	95	13.6	0.979	0.0345	31.2				100.0%		46.0%		54.0%					100.0%			100.0%		
Truck SUV	2750	1999																														
Truck SUV	2750	2000																														
Truck SUV	2750	2001																														
Truck SUV	2750	2002																														
Truck SUV	2750	2003																														
Truck SUV	2750	2004																														
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Truck SUV	2750	2015																														
Truck SUV	2750	2016																														
Truck SUV	2750	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	3000	1975																														
Truck SUV	3000	1976	10	0.001	15.4	12.3	14.2	13.1		304	120		0.395	0.0400	19.7				100.0%		54.6%	45.4%				100.0%							
Truck SUV	3000	1977	13	0.001	16.8	13.7	15.1	14.3		304	120		0.395	0.0400	21.5				100.0%		70.2%	29.8%				100.0%							
Truck SUV	3000	1978	20	0.001	16.8	13.5	15.3	14.2		304	120	11.8	0.395	0.0400	21.4				100.0%		70.0%	30.0%				100.0%							
Truck SUV	3000	1979	52	0.004	17.2	14.3	14.9	14.6		258	120	13.1	0.465	0.0400	21.9				100.0%		88.6%	11.4%				100.0%							
Truck SUV	3000	1980	43	0.004	19.7	16.0	17.6	16.7		222	92	15.6	0.440	0.0307	25.3				100.0%		100.0%					100.0%							
Truck SUV	3000	1981	38	0.004	20.9	16.8	19.0	17.7		223	101	14.8	0.469	0.0338	26.9				100.0%		90.6%	0.7%	8.7%			100.0%							
Truck SUV	3000	1982	25	0.003	20.2	15.9	19.0	17.2		241	104	15.2	0.440	0.0347	25.9				100.0%		88.6%		11.4%			100.0%							
Truck SUV	3000	1983	37	0.004	20.5	16.3	19.0	17.4		251	110	13.3	0.444	0.0367	26.2				100.0%		90.1%		9.9%			100.0%							
Truck SUV	3000	1984	69	0.005	22.6	18.3	20.6	19.2		203	102	14.4	0.526	0.0340	29.0				100.0%		76.3%		23.7%			100.0%							
Truck SUV	3000	1985	15	0.001	24.5	19.2	23.2	20.8		150	94	15.3	0.624	0.0312	31.3				100.0%		71.6%		28.4%			100.0%							
Truck SUV	3000	1986	3	0.000	22.8	18.5	20.1	19.2		150	105	13.2	0.703	0.0351	28.9				100.0%		100.0%					96.5%			3.5%				
Truck SUV	3000	1987	11	0.001	22.4	17.9	20.1	18.9		150	117	12.2	0.780	0.0390	28.3				100.0%		100.0%								100.0%				
Truck SUV	3000	1988	7	0.000	22.3	17.8	19.9	18.7		150	117	12.4	0.780	0.0390	28.1				100.0%		100.0%								100.0%				
Truck SUV	3000	1989	20	0.001	22.1	17.4	19.9	18.5		150	117	11.9	0.780	0.0390	27.8				100.0%		100.0%								100.0%				
Truck SUV	3000	1990	28	0.002	23.3	18.4	20.5	19.4		136	111	11.8	0.831	0.0369	29.3				100.0%		100.0%							26.9%	73.1%				
Truck SUV	3000	1991	11	0.001	27.1	21.8	22.9	22.3		97	85	15.1	0.877	0.0284	33.5				100.0%		70.4%		29.6%					36.1%	63.9%				
Truck SUV	3000	1992	29	0.002	23.7	18.5	20.7	19.5		139	123	10.9	0.891	0.0408	29.6				100.0%		97.8%		2.2%					100.0%					
Truck SUV	3000	1993	39	0.003	24.0	18.7	20.8	19.7		133	119	10.7	0.902	0.0397	30.0				100.0%		85.6%		14.4%					100.0%					
Truck SUV	3000	1994	51	0.004	23.5	18.3	20.2	19.2		135	115	11.0	0.860	0.0385	29.2				100.0%		77.1%		22.9%					84.2%	15.8%		12.8%		
Truck SUV	3000	1995	105	0.007	23.3	18.0	19.9	18.9		140	118	11.0	0.843	0.0395	28.7				100.0%		79.7%		20.3%					81.4%	18.6%				
Truck SUV	3000	1996	53	0.004	28.0	20.8	24.9	22.8		111	111	12.4	0.998	0.0371	34.2				100.0%		34.6%		65.4%					100.0%			100.0%		
Truck SUV	3000	1997	16	0.001	27.8	20.6	24.5	22.5		98	97	13.7	0.988	0.0324	33.7				100.0%		27.3%		72.7%					100.0%			100.0%		
Truck SUV	3000	1998	19	0.001	27.4	20.3	23.9	22.1		105	108	13.1	1.024	0.0360	33.1				100.0%		32.6%		67.4%					100.0%			100.0%		
Truck SUV	3000	1999	17	0.001	28.3	21.1	24.0	22.6		120	121	11.6	1.007	0.0403	33.9				100.0%		64.5%		35.5%					100.0%			17.6%		
Truck SUV	3000	2000	11	0.001	28.0	20.7	23.7	22.2		118	124	11.0	1.044	0.0412	33.4				100.0%		59.3%		40.7%					100.0%			0.0%		
Truck SUV	3000	2001	8	0.001	27.7	20.4	23.2	21.9		122	127	10.8	1.041	0.0423	32.8				100.0%		33.0%		67.0%					100.0%					
Truck SUV	3000	2002	7	0.000	27.8	20.2	23.5	21.9		118	125	10.9	1.056	0.0415	32.8				100.0%		60.1%		39.9%					100.0%					
Truck SUV	3000	2003	6	0.000	27.8	20.0	23.5	21.8		122	127	10.8	1.041	0.0423	32.7				100.0%		42.6%		57.4%					100.0%					
Truck SUV	3000	2004	1	0.000	23.7	16.8	20.6	18.8		165	165	8.3	1.000	0.0550	28.1					100.0%	100.0%					100.0%						100.0%		
Truck SUV	3000	2005	0	0.000	23.5	16.5	20.6	18.6		152	165	8.3	1.086	0.0550	27.9					100.0%	100.0%					100.0%						100.0%		
Truck SUV	3000	2006																														
Truck SUV	3000	2007																														
Truck SUV	3000	2008																														
Truck SUV	3000	2009																														
Truck SUV	3000	2010																														
Truck SUV	3000	2011																														
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Truck SUV	3000	2013																														
Truck SUV	3000	2014																														
Truck SUV	3000	2015																														
Truck SUV	3000	2016																														
Truck SUV	3000	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	3500	1975																														
Truck SUV	3500	1976																														
Truck SUV	3500	1977																														
Truck SUV	3500	1978																														
Truck SUV	3500	1979	38	0.003	15.6	13.0	13.4	13.2		304	122	14.0	0.402	0.0349	23.2			100.0%		78.6%	21.4%				100.0%								
Truck SUV	3500	1980	12	0.001	16.3	13.1	14.8	13.8		285	115	15.3	0.401	0.0329	24.3			100.0%		44.2%	55.8%				100.0%								
Truck SUV	3500	1981	2	0.000	17.2	13.3	16.8	14.7		304	130	13.4	0.428	0.0371	25.7			100.0%		76.8%		23.2%			100.0%								
Truck SUV	3500	1982																														
Truck SUV	3500	1983	13	0.001	23.4	18.0	22.9	19.9		166	107	15.0	0.649	0.0307	35.0			100.0%		100.0%					100.0%								
Truck SUV	3500	1984	173	0.012	21.3	16.9	19.8	18.1		167	102	16.4	0.615	0.0292	31.8			100.0%		36.3%	44.1%	19.6%			100.0%								
Truck SUV	3500	1985	237	0.016	21.8	17.1	20.7	18.6		165	103	15.7	0.629	0.0294	32.7			100.0%		52.2%	0.6%	47.3%			88.5%		8.1%	2.8%	0.5%				
Truck SUV	3500	1986	316	0.021	21.8	17.1	20.4	18.5		171	119	13.6	0.705	0.0341	32.5			100.0%		55.6%	1.3%	43.1%			54.4%		34.8%	10.7%	0.1%				
Truck SUV	3500	1987	336	0.023	22.2	17.2	21.1	18.8		195	135	12.7	0.705	0.0385	33.0			100.0%		55.1%	7.2%	37.7%			29.7%		63.6%	6.7%	0.0%				
Truck SUV	3500	1988	305	0.020	20.9	15.9	20.2	17.7		213	149	12.0	0.709	0.0427	31.1			100.0%		37.4%	5.1%	57.5%			16.2%		83.2%	0.6%					
Truck SUV	3500	1989	189	0.013	20.3	15.4	19.3	17.0		242	162	11.0	0.676	0.0464	29.9			100.0%		26.8%	5.5%	67.7%			20.5%		78.9%	0.7%					
Truck SUV	3500	1990	159	0.013	20.5	15.3	19.8	17.2		241	164	10.3	0.683	0.0468	30.2			100.0%		24.4%	4.6%	71.1%			16.7%		82.7%	0.6%					
Truck SUV	3500	1991	138	0.011	19.8	14.9	18.8	16.6		227	172	9.9	0.763	0.0490	29.1			100.0%		37.2%	5.0%	57.8%					100.0%						
Truck SUV	3500	1992	119	0.010	19.4	14.4	18.6	16.2		242	190	9.2	0.785	0.0542	28.5			100.0%		25.0%	5.2%	69.8%					100.0%						
Truck SUV	3500	1993	108	0.008	19.6	14.6	18.7	16.4		240	189	8.5	0.787	0.0539	28.7			100.0%		35.3%	7.3%	57.3%					100.0%						
Truck SUV	3500	1994	106	0.007	19.4	14.4	18.3	16.1		240	189	8.4	0.786	0.0540	28.3			100.0%		35.7%		64.3%					100.0%						
Truck SUV	3500	1995	119	0.008	19.8	14.5	18.7	16.4		231	182	9.0	0.796	0.0521	28.8			100.0%		30.2%		69.8%					100.0%			4.4%			
Truck SUV	3500	1996	147	0.011	19.9	14.5	18.9	16.5		235	186	9.3	0.799	0.0533	28.9			100.0%		12.8%		87.2%					100.0%			4.6%			
Truck SUV	3500	1997	297	0.021	22.7	16.8	20.2	18.4		174	148	10.9	0.880	0.0424	32.7			95.7%	4.3%	47.0%		53.0%					100.0%			46.1%			
Truck SUV	3500	1998	293	0.020	24.0	17.6	21.3	19.4		159	147	11.4	0.957	0.0420	34.6			94.4%	5.6%	39.4%		60.6%					100.0%			65.1%			
Truck SUV	3500	1999	258	0.017	25.7	18.8	22.5	20.6		136	144	11.6	1.076	0.0412	36.4			100.0%	0.0%	26.3%		73.7%					100.0%			83.2%			
Truck SUV	3500	2000	333	0.020	24.0	17.4	21.2	19.3		158	153	10.7	1.013	0.0438	34.3			100.0%	0.0%	15.9%		84.1%					100.0%			60.4%			
Truck SUV	3500	2001	437	0.028	24.8	17.7	22.1	19.9		153	164	10.1	1.089	0.0468	35.1			98.6%	1.4%	11.8%		88.2%					100.0%			84.1%	10.6%		
Truck SUV	3500	2002	398	0.025	25.9	18.3	23.2	20.7		152	167	10.2	1.098	0.0476	36.6			98.6%	1.4%	10.0%		89.5%	0.4%				100.0%			90.7%	38.5%		
Truck SUV	3500	2003	415	0.026	26.0	18.2	23.3	20.7		153	167	10.0	1.092	0.0476	36.5		5.3%	94.0%	0.7%	7.8%		88.5%	3.7%				100.0%			94.0%	41.1%		
Truck SUV	3500	2004	351	0.022	26.3	18.2	23.4	20.8		155	170	9.9	1.104	0.0487	36.6		4.7%	94.1%	1.2%	8.8%		89.5%	1.6%				100.0%			100.0%	52.5%		
Truck SUV	3500	2005	281	0.018	26.9	18.6	23.5	21.1		152	164	9.9	1.088	0.0467	37.4		6.4%	92.0%	1.6%	16.1%		83.2%	0.6%				100.0%			92.4%	62.0%		
Truck SUV	3500	2006	202	0.013	28.0	19.4	24.6	22.0		145	161	10.1	1.107	0.0460	38.6		8.3%	91.7%		10.1%		89.9%					100.0%			100.0%	65.0%		
Truck SUV	3500	2007	144	0.009	28.8	20.2	24.4	22.4		147	170	9.6	1.152	0.0484	39.3		30.3%	69.4%	0.4%	10.1%		33.0%	56.9%				100.0%			100.0%	69.5%		
Truck SUV	3500	2008	161	0.012	29.8	20.9	25.2	23.1		143	166	9.8	1.162	0.0474	40.6		37.0%	62.9%	0.1%	7.4%		33.6%	59.0%				100.0%			100.0%	67.2%		
Truck SUV	3500	2009	160	0.017	29.2	20.3	25.2	22.8		147	171	9.6	1.163	0.0487	40.0		19.9%	77.9%	2.2%	7.8%		55.1%	37.1%			0.1%	99.9%			100.0%	45.3%		
Truck SUV	3500	2010	225	0.020	29.4	20.4	25.5	23.0		149	172	9.6	1.151	0.0490	40.3		16.3%	81.8%	1.9%	8.0%		53.5%	38.4%				100.0%			100.0%	100.0%		
Truck SUV	3500	2011	262	0.022	30.7	21.1	26.4	23.9		146	171	9.5	1.168	0.0487	41.8		17.7%	81.2%	1.1%	5.6%		43.5%	50.9%				100.0%			100.0%	100.0%		
Truck SUV	3500	2012	299	0.022	30.8	21.1	26.8	24.0		149	175	9.4	1.178	0.0500	42.1			100.0%		3.2%		66.9%	29.9%				100.0%			100.0%	100.0%		
Truck SUV	3500	2013	349	0.023	32.6	22.2	28.2	25.3		141	170	9.6	1.212	0.0485	44.4			100.0%		3.6%		58.5%	37.9%			7.2%	92.8%			100.0%	100.0%		
Truck SUV	3500	2014	567	0.037	33.6	22.8	29.1	26.0		142	170	9.5	1.209	0.0486	45.7		1.7%	98.3%		2.9%		50.3%	46.7%			5.9%	94.1%			100.0%	100.0%	1.6%	
Truck SUV	3500	2015	616	0.037	34.4	23.2	29.5	26.4		140	167	9.5	1.215	0.0478	46.6		1.1%	98.9%		2.6%		33.5%	63.8%			15.6%	84.4%			100.0%	100.0%	0.7%	
Truck SUV	3500	2016	624	0.038	34.4	23.2	29.7	26.5		138	170	9.4	1.253	0.0486	46.7		3.3%	96.7%		2.6%		43.1%	54.4%			33.9%	66.1%			100.0%	100.0%	0.4%	
Truck SUV	3500	2017	-	0.038	35.5	23.9	30.5	27.3		130	173	9.1	1.393	0.0495	48.1		1.8%	98.2%		3.6%		36.2%	60.2%			28.7%	71.3%			100.0%	100.0%		

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	4000	1975	16	0.002	13.2	10.6	12.2	11.2		350	144		0.412	0.0360	22.5				100.0%		27.7%	72.3%				100.0%							
Truck SUV	4000	1976	24	0.002	13.8	11.0	12.7	11.7		353	145		0.408	0.0362	23.5				100.0%		28.1%	71.9%				100.0%							
Truck SUV	4000	1977	30	0.002	14.7	11.7	13.6	12.5		359	148		0.409	0.0369	25.1				100.0%		26.2%	73.8%				100.0%							
Truck SUV	4000	1978	40	0.003	14.5	11.6	13.4	12.3		361	145	13.0	0.400	0.0361	24.7				100.0%		29.2%	70.8%				100.0%							
Truck SUV	4000	1979	7	0.000	15.7	12.6	14.3	13.3		222	95	18.4	0.422	0.0237	26.7				100.0%		97.5%	2.5%				100.0%							
Truck SUV	4000	1980	7	0.001	15.9	12.9	14.3	13.5		248	99	18.0	0.400	0.0249	27.2				100.0%		69.7%	30.3%				100.0%							
Truck SUV	4000	1981	7	0.001	16.9	13.4	15.7	14.4		258	112	16.8	0.434	0.0280	28.8				100.0%		33.7%		66.3%			100.0%							
Truck SUV	4000	1982	8	0.001	19.4	15.3	18.2	16.5		258	110	18.0	0.428	0.0276	33.5				100.0%		33.8%		66.2%			100.0%							
Truck SUV	4000	1983	68	0.007	21.9	16.7	21.8	18.7		175	110	16.6	0.631	0.0275	37.4				100.0%		28.9%		71.1%			100.0%							
Truck SUV	4000	1984	116	0.008	22.1	16.7	22.7	18.9		173	110	16.6	0.636	0.0275	37.9				100.0%		22.9%		77.1%			100.0%							
Truck SUV	4000	1985	173	0.012	22.0	16.6	22.6	18.8		173	110	16.4	0.636	0.0275	37.7				100.0%		17.9%		82.1%			100.0%							
Truck SUV	4000	1986	154	0.010	21.1	16.2	20.6	17.9		165	121	14.6	0.738	0.0304	36.4				100.0%		31.9%		68.1%			0.0%		23.4%	73.4%	3.2%			
Truck SUV	4000	1987	184	0.012	20.4	15.5	20.0	17.3		172	127	14.5	0.737	0.0317	34.7				100.0%		19.9%		80.1%					5.4%	94.6%	0.0%			
Truck SUV	4000	1988	259	0.017	20.8	15.9	19.8	17.6		190	135	13.9	0.723	0.0337	35.3				100.0%		32.8%		67.2%					33.2%	66.8%				
Truck SUV	4000	1989	348	0.024	21.2	16.2	20.0	17.8		213	146	12.6	0.703	0.0366	35.8				99.0%	1.0%	30.4%	2.6%	66.9%					43.8%	56.2%				
Truck SUV	4000	1990	196	0.016	20.5	15.7	19.2	17.2		197	141	12.1	0.735	0.0353	34.5				98.7%	1.3%	42.2%		57.8%					64.5%	35.5%				
Truck SUV	4000	1991	335	0.027	20.8	15.6	19.8	17.4		231	153	11.6	0.676	0.0383	35.0				98.3%	1.7%	21.5%		78.5%					31.9%	68.1%				
Truck SUV	4000	1992	226	0.019	20.2	14.9	19.5	16.9		234	165	10.9	0.711	0.0412	33.8				95.7%	4.3%	22.5%		77.5%					55.0%	45.0%				
Truck SUV	4000	1993	204	0.015	21.3	15.6	20.5	17.7		246	190	9.3	0.776	0.0474	35.5				94.5%	5.5%	16.9%		83.1%					98.3%	1.7%				
Truck SUV	4000	1994	344	0.024	18.9	13.9	17.9	15.7		249	189	9.3	0.774	0.0472	31.5				100.0%		15.0%		85.0%					99.3%	0.7%		23.2%		
Truck SUV	4000	1995	414	0.027	19.0	13.9	17.9	15.7		242	187	9.7	0.789	0.0467	31.5				92.6%	7.4%	15.1%		84.9%					100.0%			21.5%		
Truck SUV	4000	1996	359	0.027	19.3	14.0	18.2	15.9		254	193	9.8	0.772	0.0483	31.9				95.8%	4.2%	5.9%		94.1%					100.0%			12.1%		
Truck SUV	4000	1997	433	0.030	19.9	14.5	18.5	16.3		240	189	9.9	0.803	0.0474	32.8				86.9%	13.1%	7.6%		92.4%					100.0%			34.4%		
Truck SUV	4000	1998	499	0.034	20.2	14.5	19.0	16.6		236	190	10.2	0.818	0.0474	33.3				89.3%	10.7%	4.5%		95.5%					100.0%			32.6%		
Truck SUV	4000	1999	599	0.039	20.8	15.0	19.2	17.0		222	194	10.0	0.887	0.0486	34.1				85.8%	14.2%	8.8%		91.2%					100.0%			36.2%	11.5%	
Truck SUV	4000	2000	451	0.027	20.9	15.0	19.0	16.9		223	192	9.7	0.874	0.0479	34.0				82.6%	17.4%	10.9%		89.1%					100.0%			37.0%	13.0%	
Truck SUV	4000	2001	475	0.030	21.3	15.1	19.4	17.2		214	197	9.4	0.945	0.0493	34.6			7.4%	77.3%	15.3%	6.5%		93.5%					100.0%			49.6%	33.3%	
Truck SUV	4000	2002	523	0.032	21.6	15.3	19.5	17.4		203	197	9.6	0.991	0.0493	35.1			11.5%	68.4%	20.1%	7.6%		92.4%					100.0%			59.6%	32.6%	
Truck SUV	4000	2003	573	0.036	22.8	16.0	20.5	18.3		199	199	9.4	1.021	0.0499	36.9			12.5%	80.6%	6.9%	7.0%		87.6%	5.4%				100.0%			65.8%	47.6%	
Truck SUV	4000	2004	764	0.049	22.3	15.3	20.7	18.0		218	204	9.2	0.952	0.0509	36.2			8.8%	76.1%	15.2%	6.7%		88.6%	4.7%				100.0%			42.0%	29.7%	
Truck SUV	4000	2005	586	0.037	23.2	16.0	21.0	18.5		195	202	9.3	1.044	0.0504	37.4			12.0%	88.0%		3.4%		88.6%	8.0%				100.0%			69.7%	32.7%	1.1%
Truck SUV	4000	2006	557	0.037	23.5	16.2	21.1	18.7		194	198	9.5	1.034	0.0494	38.1			9.8%	90.2%		7.3%		87.4%	5.3%				100.0%			63.5%	40.2%	2.3%
Truck SUV	4000	2007	700	0.046	25.5	17.5	22.9	20.2		177	199	9.6	1.144	0.0497	40.9			7.6%	86.4%	6.1%	3.5%		91.6%	4.8%				100.0%			78.4%	65.0%	1.0%
Truck SUV	4000	2008	638	0.046	26.4	18.2	23.4	20.9		171	192	9.8	1.139	0.0481	42.2			2.7%	89.5%	7.8%	3.3%		88.7%	8.0%			2.1%	97.9%			85.3%	63.1%	2.3%
Truck SUV	4000	2009	415	0.045	27.5	18.9	24.6	21.8		166	197	9.4	1.201	0.0493	43.8			6.0%	91.5%	2.5%	0.3%		85.4%	14.3%			5.8%	94.2%			92.2%	75.9%	1.9%
Truck SUV	4000	2010	628	0.057	28.3	19.3	25.3	22.3		169	201	9.3	1.202	0.0503	45.1			7.0%	90.4%	2.7%	2.3%	2.7%	79.4%	15.6%			3.8%	96.2%			91.1%	90.2%	1.0%
Truck SUV	4000	2011	782	0.065	28.8	19.7	25.4	22.6		166	195	9.5	1.192	0.0488	45.6			4.9%	91.2%	3.9%	1.6%		76.2%	22.2%			3.9%	96.1%			91.5%	91.0%	0.5%
Truck SUV	4000	2012	568	0.042	29.1	19.8	25.6	22.7		167	207	9.2	1.242	0.0518	45.9			6.1%	93.9%		3.6%		71.2%	25.2%			3.9%	96.1%			100.0%	100.0%	0.4%
Truck SUV	4000	2013	841	0.055	31.0	20.9	27.3	24.1		150	199	9.3	1.355	0.0497	48.6			6.8%	93.2%		1.8%		78.6%	19.6%			35.4%	64.6%			100.0%	100.0%	
Truck SUV	4000	2014	966	0.062	31.4	21.2	27.8	24.5		152	202	9.1	1.360	0.0505	49.4			6.5%	93.5%		1.0%		79.3%	19.7%			37.6%	62.4%			100.0%	100.0%	
Truck SUV	4000	2015	1333	0.080	32.7	22.0	28.6	25.3		153	199	9.2	1.321	0.0497	51.2			4.5%	95.5%		1.0%		62.1%	36.9%			42.1%	57.9%			100.0%	100.0%	
Truck SUV	4000	2016	1448	0.089	33.2	22.4	28.8	25.6		152	198	9.1	1.325	0.0494	51.8			6.2%	93.8%		0.6%		58.1%	41.3%			46.3%	53.7%			100.0%	100.0%	2.5%
Truck SUV	4000	2017	-	0.075	32.4	21.9	28.2	25.1		148	201	8.9	1.406	0.0504	50.8			4.4%	95.6%		0.7%		68.2%	31.1%			44.4%	55.6%			100.0%	100.0%	3.9%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	4500	1975	41	0.004	13.5	10.7	12.6	11.5		351	157		0.446	0.0348	26.0				56.9%	43.1%	12.0%	88.0%				100.0%							
Truck SUV	4500	1976	47	0.004	13.9	11.0	13.0	11.8		349	150		0.430	0.0333	26.8				57.7%	42.3%	12.5%	87.5%				100.0%							
Truck SUV	4500	1977	101	0.007	15.4	12.3	14.2	13.1		345	150		0.436	0.0334	29.6				74.2%	25.8%	13.7%	86.3%				100.0%							
Truck SUV	4500	1978	119	0.008	14.7	11.7	13.6	12.5		343	157	13.3	0.459	0.0350	28.2				81.5%	18.5%	13.3%	86.7%				100.0%							
Truck SUV	4500	1979	56	0.004	12.9	10.4	11.7	10.9		334	140	15.2	0.420	0.0311	24.8				84.3%	15.7%	11.2%	88.8%				98.7%				1.3%			
Truck SUV	4500	1980	50	0.004	14.5	11.7	13.1	12.3		313	139	15.6	0.446	0.0308	28.4				92.3%	7.7%	25.0%	62.2%	12.8%			91.4%				8.6%			
Truck SUV	4500	1981	42	0.004	15.8	12.5	14.7	13.4		317	137	15.5	0.435	0.0304	30.5				94.4%	5.6%	31.1%	27.6%	41.3%			100.0%							
Truck SUV	4500	1982	50	0.005	15.7	12.4	14.6	13.3		316	139	16.4	0.443	0.0309	30.3				89.6%	10.4%	28.2%	40.1%	31.6%			100.0%							
Truck SUV	4500	1983	55	0.005	15.7	12.5	14.6	13.3		317	135	15.4	0.430	0.0301	30.4				98.0%	2.0%	22.8%	37.6%	39.5%			100.0%							
Truck SUV	4500	1984	61	0.004	14.8	11.8	13.7	12.6		320	134	15.2	0.420	0.0298	28.7				93.0%	7.0%	29.0%	69.1%	1.9%			100.0%							
Truck SUV	4500	1985	60	0.004	15.0	12.0	13.9	12.8		321	145	14.3	0.456	0.0323	29.2				72.2%	27.8%	23.2%	76.8%				100.0%							
Truck SUV	4500	1986	46	0.003	15.6	12.3	14.6	13.2		325	142	13.9	0.438	0.0315	30.3				80.7%	19.3%	14.0%	53.6%	32.4%			77.5%		22.5%					
Truck SUV	4500	1987	32	0.002	14.6	11.4	13.7	12.4		326	144	14.0	0.450	0.0320	28.2				70.4%	29.6%	16.4%	60.9%	22.7%			93.0%		7.0%					
Truck SUV	4500	1988	34	0.002	15.0	11.8	13.8	12.7		312	148	14.0	0.494	0.0328	28.8				76.8%	23.2%	1.6%	53.3%	45.1%			47.1%		31.5%	21.5%				
Truck SUV	4500	1989	31	0.002	14.9	11.6	13.8	12.5		311	151	13.3	0.505	0.0335	28.4				74.0%	26.0%	1.9%	50.8%	47.3%			39.8%		34.2%	26.0%				
Truck SUV	4500	1990	58	0.005	17.5	13.4	16.5	14.7		221	153	12.5	0.740	0.0341	33.6				91.6%	8.4%	2.2%	20.1%	77.7%			11.8%		79.9%	8.4%				
Truck SUV	4500	1991	262	0.021	19.8	14.7	19.1	16.6		227	167	11.8	0.742	0.0371	37.4				99.3%	0.7%	14.6%	2.1%	83.3%			1.4%		97.9%	0.7%				
Truck SUV	4500	1992	260	0.021	19.4	14.6	18.4	16.2		221	167	11.5	0.764	0.0372	36.6				99.7%	0.3%	15.3%		84.7%					100.0%					
Truck SUV	4500	1993	298	0.023	19.7	14.6	18.6	16.4		217	167	10.8	0.778	0.0372	36.9				99.7%	0.3%	13.1%		86.9%					100.0%					
Truck SUV	4500	1994	546	0.039	19.9	14.7	19.0	16.6		229	177	10.4	0.776	0.0393	37.4				100.0%		8.1%		91.9%					100.0%			11.9%		
Truck SUV	4500	1995	645	0.043	19.9	14.5	18.9	16.5		233	174	10.8	0.754	0.0386	37.4				90.4%	9.6%	5.7%		94.3%					100.0%			21.5%		
Truck SUV	4500	1996	736	0.056	20.2	14.5	19.5	16.7		251	176	11.1	0.708	0.0391	37.8				74.7%	25.3%	3.2%		96.8%					100.0%			9.4%		
Truck SUV	4500	1997	832	0.058	19.8	14.3	18.8	16.3		252	181	10.8	0.724	0.0402	36.9				79.0%	21.0%	2.5%		97.5%					100.0%			7.5%		
Truck SUV	4500	1998	719	0.050	20.1	14.4	19.1	16.5		251	184	11.0	0.745	0.0410	37.3				89.8%	10.2%	1.6%		98.4%					100.0%			9.8%		
Truck SUV	4500	1999	747	0.049	19.7	14.1	18.4	16.1		259	199	10.5	0.777	0.0442	36.3				91.2%	8.8%	0.9%		99.1%					100.0%			9.9%		
Truck SUV	4500	2000	904	0.055	19.9	14.1	18.6	16.2		254	197	10.1	0.783	0.0437	36.6				91.6%	8.4%	1.7%		98.3%					100.0%			12.6%		
Truck SUV	4500	2001	1006	0.064	20.4	14.4	19.0	16.6		237	207	9.6	0.886	0.0460	37.5			16.4%	71.8%	11.8%	1.6%		98.4%					100.0%			28.8%	15.1%	
Truck SUV	4500	2002	1525	0.095	19.9	14.0	18.6	16.2		243	225	9.2	0.931	0.0501	36.5				73.4%	26.6%	0.9%		99.1%					100.0%			35.9%	25.7%	
Truck SUV	4500	2003	968	0.061	20.7	14.4	19.3	16.8		238	229	9.0	0.968	0.0509	37.8			0.0%	68.6%	31.4%	0.4%		99.6%					100.0%			50.6%	39.0%	
Truck SUV	4500	2004	1158	0.074	21.3	14.7	19.8	17.2		234	229	9.0	0.991	0.0508	38.8			2.6%	74.9%	22.4%	0.6%		99.4%					100.0%			58.7%	48.4%	
Truck SUV	4500	2005	929	0.058	21.6	14.7	20.0	17.3		227	236	8.8	1.046	0.0524	39.2			0.9%	70.7%	28.4%	0.8%		99.2%					99.1%		0.9%	70.0%	61.9%	
Truck SUV	4500	2006	878	0.058	22.7	15.6	20.7	18.2		222	232	8.7	1.050	0.0516	41.5			8.5%	63.6%	27.9%	0.9%		86.6%	12.5%				99.2%		0.8%	81.3%	72.7%	9.1%
Truck SUV	4500	2007	1041	0.068	22.5	15.5	20.5	18.0		225	241	8.7	1.076	0.0535	40.8			6.8%	76.3%	16.9%	2.7%		90.0%	7.4%				100.0%		0.0%	78.3%	63.3%	3.8%
Truck SUV	4500	2008	1014	0.073	23.0	15.7	21.1	18.4		222	245	8.7	1.107	0.0544	41.6			11.2%	77.8%	11.0%	1.9%		95.5%	2.6%				100.0%		0.0%	75.7%	61.6%	2.6%
Truck SUV	4500	2009	599	0.064	23.5	16.0	21.8	18.8		216	249	8.4	1.155	0.0553	42.6			22.0%	75.0%	3.1%	1.0%		91.1%	7.9%			1.3%	98.7%			82.4%	66.8%	0.0%
Truck SUV	4500	2010	700	0.063	23.9	16.3	22.0	19.1		218	251	8.4	1.157	0.0557	43.2			18.8%	76.9%	4.3%	1.4%		94.1%	4.5%			2.7%	97.3%			79.7%	71.3%	
Truck SUV	4500	2011	795	0.066	24.4	16.6	22.5	19.5		216	256	8.3	1.199	0.0569	44.2			22.1%	75.0%	2.8%	1.2%		95.0%	3.8%			3.9%	96.1%			84.8%	82.9%	
Truck SUV	4500	2012	789	0.059	24.7	16.8	22.7	19.7		213	264	8.1	1.249	0.0586	44.7			22.8%	71.7%	5.5%	1.9%		94.3%	3.8%			5.7%	94.3%			90.0%	90.0%	
Truck SUV	4500	2013	999	0.066	25.7	17.4	23.5	20.4		211	272	7.9	1.302	0.0605	46.2			28.3%	68.3%	3.4%	1.2%		84.6%	14.2%			7.5%	92.3%		0.2%	100.0%	99.8%	0.1%
Truck SUV	4500	2014	948	0.061	26.0	17.6	23.8	20.7		211	274	7.8	1.308	0.0608	46.8			23.7%	69.1%	7.2%	1.9%		81.7%	16.4%			13.6%	85.3%		1.2%	94.8%	98.8%	0.1%
Truck SUV	4500	2015	1203	0.072	26.3	17.7	24.0	20.8		207	273	7.8	1.341	0.0606	47.2			24.9%	68.2%	6.8%	1.6%	1.2%	86.6%	10.7%			14.8%	84.3%		1.0%	100.0%	99.0%	0.2%
Truck SUV	4500	2016	1243	0.076	26.7	18.0	24.3	21.1		201	275	7.6	1.407	0.0612	47.9			24.4%	72.5%	3.0%	1.4%	0.9%	92.3%	5.3%			42.2%	57.5%		0.3%	100.0%	99.7%	0.2%
Truck SUV	4500	2017	-	0.069	27.0	18.2	24.6	21.3		198	281	7.5	1.463	0.0626	48.4			28.7%	69.2%	2.0%	1.2%	1.0%	88.3%	9.6%			55.7%	43.9%		0.4%	100.0%	100.0%	0.7%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	5000	1975	67	0.007	11.1	9.4	9.4	9.4		347	157		0.453	0.0315	23.6				98.7%	1.3%	19.5%	80.5%				100.0%							
Truck SUV	5000	1976	101	0.008	12.8	10.5	11.5	10.9		357	151		0.421	0.0301	27.3				97.9%	2.1%	18.9%	81.1%				100.0%							
Truck SUV	5000	1977	66	0.005	13.6	11.2	12.0	11.5		351	160		0.457	0.0320	29.0				96.4%	3.6%	21.0%	79.0%				100.0%							
Truck SUV	5000	1978	114	0.008	13.0	10.5	11.7	11.0		370	168	13.7	0.454	0.0336	27.6				97.3%	2.7%	19.7%	80.3%				100.0%							
Truck SUV	5000	1979	173	0.012	11.4	9.5	9.9	9.6		351	152	15.3	0.433	0.0303	24.2				68.1%	31.9%	14.7%	84.4%	0.9%			100.0%							
Truck SUV	5000	1980	60	0.005	14.0	11.2	12.9	11.9		343	159	15.0	0.463	0.0317	30.0				78.4%	21.6%	18.9%	25.8%	55.3%			100.0%							
Truck SUV	5000	1981	43	0.004	15.3	12.2	14.1	13.0		328	154	15.4	0.473	0.0309	32.9				75.3%	24.7%	7.8%	29.5%	62.7%			100.0%							
Truck SUV	5000	1982	37	0.004	15.1	12.0	14.1	12.9		330	156	16.1	0.476	0.0311	32.8				79.2%	20.8%	8.9%	39.6%	51.5%			100.0%							
Truck SUV	5000	1983	54	0.005	15.7	12.3	15.0	13.4		328	157	14.6	0.482	0.0315	34.1				72.6%	27.4%	5.7%	25.9%	66.6%		1.7%	100.0%							
Truck SUV	5000	1984	121	0.009	15.3	12.0	14.6	13.0		330	164	14.2	0.497	0.0327	33.2				76.2%	23.8%	6.5%	38.0%	55.5%			100.0%							
Truck SUV	5000	1985	133	0.009	15.7	12.3	15.0	13.4		330	169	13.7	0.510	0.0337	33.9				73.0%	27.0%	4.6%	30.8%	64.6%			93.3%		6.7%					
Truck SUV	5000	1986	135	0.009	16.4	12.7	15.8	14.0		324	163	13.3	0.503	0.0326	35.1				72.8%	27.2%	4.9%	18.3%	76.8%			78.9%		21.1%					
Truck SUV	5000	1987	97	0.007	15.7	12.2	14.9	13.3		326	175	13.2	0.535	0.0350	33.7				97.3%	2.7%	7.1%	30.9%	62.0%			24.5%		32.4%	43.2%				
Truck SUV	5000	1988	101	0.007	16.1	12.4	15.3	13.6		330	181	13.1	0.545	0.0362	34.2				99.1%	0.9%	6.3%	34.3%	59.4%			2.1%		54.9%	42.9%				
Truck SUV	5000	1989	112	0.008	15.9	12.2	15.2	13.4		328	179	12.7	0.540	0.0357	33.9				99.4%	0.6%	6.6%	30.4%	63.0%					59.4%	40.6%				
Truck SUV	5000	1990	83	0.007	16.0	11.9	15.7	13.5		332	184	11.5	0.553	0.0369	33.9				100.0%		4.8%	8.8%	86.4%					63.3%	36.7%				
Truck SUV	5000	1991	51	0.004	15.8	11.8	15.3	13.3		312	188	11.5	0.604	0.0375	33.3				100.0%		3.1%	5.3%	91.6%					70.6%	29.4%				
Truck SUV	5000	1992	36	0.003	15.7	11.6	15.2	13.2		292	174	12.0	0.622	0.0348	33.0				99.9%	0.1%	4.7%	1.2%	94.1%					97.4%	2.6%				
Truck SUV	5000	1993	46	0.003	16.1	11.9	15.5	13.5		313	200	10.1	0.646	0.0400	33.9				100.0%		4.4%		95.6%					98.6%	1.4%				
Truck SUV	5000	1994	51	0.004	16.5	12.2	15.7	13.7		310	202	9.9	0.659	0.0404	34.4				100.0%		3.4%		96.6%					98.5%	1.5%		31.5%		
Truck SUV	5000	1995	70	0.005	17.0	12.4	16.3	14.1		322	199	10.2	0.625	0.0398	35.4				75.9%	24.1%	2.3%		97.7%					75.2%	24.8%		12.7%		
Truck SUV	5000	1996	82	0.006	17.0	12.4	16.1	14.1		318	216	10.2	0.685	0.0431	35.3				72.0%	28.0%	2.6%		97.4%					100.0%			22.5%		
Truck SUV	5000	1997	120	0.008	18.0	13.0	17.1	14.9		308	226	9.8	0.738	0.0453	37.3				26.2%	73.8%			100.0%					100.0%			20.6%		
Truck SUV	5000	1998	265	0.018	17.3	12.4	16.7	14.3		317	223	10.2	0.705	0.0446	36.0				58.8%	41.2%			100.0%					100.0%					
Truck SUV	5000	1999	356	0.023	17.4	12.4	16.6	14.3		307	234	9.9	0.779	0.0468	36.1				54.4%	45.6%			100.0%					100.0%			14.6%		
Truck SUV	5000	2000	254	0.015	17.6	12.4	16.8	14.5		295	229	9.6	0.784	0.0459	36.4				68.0%	32.0%			100.0%					100.0%			2.2%	2.2%	
Truck SUV	5000	2001	160	0.010	17.1	12.0	16.4	14.0		282	233	9.4	0.847	0.0467	35.2				97.1%	2.9%	0.3%		99.7%					100.0%			20.3%	20.3%	
Truck SUV	5000	2002	404	0.025	18.9	13.2	17.8	15.4		255	244	9.3	0.976	0.0489	38.7				88.4%	11.6%	4.5%		95.5%					100.0%			62.5%	45.2%	
Truck SUV	5000	2003	638	0.040	19.3	13.4	18.2	15.7		259	256	8.9	1.002	0.0513	39.3				86.9%	13.1%	0.1%		99.9%					100.0%			71.5%	56.1%	
Truck SUV	5000	2004	683	0.044	19.6	13.4	18.5	15.9		263	265	8.7	1.025	0.0529	39.8				79.3%	20.7%	0.2%		99.8%					100.0%			73.5%	58.7%	
Truck SUV	5000	2005	621	0.039	19.5	13.3	18.4	15.8		260	261	8.7	1.025	0.0522	39.6				82.4%	17.6%	0.1%		99.9%					100.0%			70.1%	61.6%	
Truck SUV	5000	2006	811	0.054	20.0	13.7	18.8	16.2		252	255	9.0	1.024	0.0510	40.5			1.0%	83.6%	15.4%	0.4%		99.6%					100.0%			64.5%	62.9%	
Truck SUV	5000	2007	584	0.038	20.4	13.9	19.2	16.5		249	259	8.9	1.051	0.0517	41.5			8.0%	81.1%	10.8%	0.3%		99.7%					98.9%		1.1%	58.0%	56.5%	
Truck SUV	5000	2008	685	0.049	21.4	14.5	20.1	17.2		240	260	8.8	1.095	0.0519	43.7			17.4%	71.0%	11.6%	0.1%		96.3%	3.5%			0.5%	98.4%		1.1%	69.0%	65.2%	3.5%
Truck SUV	5000	2009	328	0.035	22.6	15.3	21.1	18.2		227	272	8.2	1.211	0.0545	45.9			33.9%	60.2%	5.9%	0.1%		96.7%	3.2%			23.5%	75.5%		1.0%	84.8%	85.5%	3.2%
Truck SUV	5000	2010	444	0.040	23.2	15.8	21.5	18.6		228	268	8.4	1.185	0.0535	47.2			25.8%	64.9%	9.3%	0.0%		94.2%	5.8%			40.6%	58.8%		0.6%	80.0%	81.5%	5.8%
Truck SUV	5000	2011	667	0.056	24.0	16.2	22.3	19.2		222	294	7.9	1.329	0.0588	48.3			24.3%	63.5%	12.2%	0.0%		98.4%	1.6%			45.2%	53.9%		0.9%	99.0%	99.5%	1.6%
Truck SUV	5000	2012	693	0.052	24.3	16.4	22.6	19.5		220	288	8.0	1.312	0.0576	48.8			24.1%	71.6%	4.3%	0.0%		98.3%	1.7%			54.3%	44.9%		0.8%	99.2%	99.2%	1.7%
Truck SUV	5000	2013	620	0.041	24.7	16.7	22.9	19.7		216	289	7.9	1.344	0.0578	49.6			18.5%	75.7%	5.9%	0.0%		96.9%	3.1%			41.0%	57.6%		1.5%	99.4%	94.1%	3.1%
Truck SUV	5000	2014	790	0.051	25.1	16.9	23.4	20.1		218	290	7.8	1.339	0.0581	50.4			22.5%	71.0%	6.5%	0.0%		98.6%	1.4%			41.5%	56.8%		1.7%	69.1%	93.5%	1.4%
Truck SUV	5000	2015	894	0.053	25.2	17.0	23.5	20.2		217	293	7.7	1.355	0.0586	50.6			17.6%	77.0%	5.5%			97.1%	2.9%			44.4%	54.0%		1.6%	100.0%	96.7%	1.6%
Truck SUV	5000	2016	842	0.052	24.7	16.7	22.8	19.7		213	294	7.8	1.411	0.0589	49.6			16.2%	76.2%	7.5%			97.8%	2.2%			53.3%	46.4%		0.2%	100.0%	99.8%	1.5%
Truck SUV	5000	2017	-	0.059	25.2	17.1	23.0	20.0		214	295	7.7	1.404	0.0590	50.5			11.3%	80.3%	8.4%			96.6%	3.4%			42.0%	57.8%		0.2%	100.0%	98.8%	2.3%

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	5500	1975	6	0.001	10.5	8.5	9.6	8.9		429	210		0.488	0.0381	24.7				84.6%	15.4%	15.4%	84.6%				100.0%							
Truck SUV	5500	1976	7	0.001	11.2	9.1	10.2	9.6		412	197		0.475	0.0359	26.4				72.3%	27.7%	9.9%	90.1%				100.0%							
Truck SUV	5500	1977	10	0.001	11.7	9.4	10.7	10.0		419	193		0.459	0.0351	27.6				77.0%	23.0%	8.8%	91.2%				100.0%							
Truck SUV	5500	1978	12	0.001	11.8	9.6	10.6	10.1		410	188	13.5	0.461	0.0343	27.7				79.0%	21.0%	8.2%	91.8%				100.0%							
Truck SUV	5500	1979	59	0.004	10.6	8.9	9.1	9.0		405	176	14.3	0.432	0.0320	24.9				26.5%	73.5%	21.0%	79.0%				100.0%							
Truck SUV	5500	1980	6	0.000	13.8	11.0	12.9	11.7		350	165	15.6	0.471	0.0300	32.3				84.1%	15.9%			100.0%			100.0%							
Truck SUV	5500	1981	4	0.000	14.1	11.4	12.9	12.0		350	175	15.0	0.500	0.0318	33.0				100.0%		6.8%		93.2%			100.0%							
Truck SUV	5500	1982	24	0.002	21.2	16.5	20.4	18.0		350	134	18.3	0.382	0.0243	50.5				66.8%	33.2%	10.8%		89.2%			10.7%				89.3%			
Truck SUV	5500	1983	20	0.002	20.2	15.6	19.8	17.3		372	139	16.5	0.375	0.0252	48.9				68.3%	31.7%	1.3%		98.7%			24.9%				75.1%			
Truck SUV	5500	1984	21	0.001	17.9	13.9	17.4	15.3		364	148	15.8	0.408	0.0269	43.6				74.8%	25.2%	2.3%		97.7%			50.7%				49.3%			
Truck SUV	5500	1985	18	0.001	16.1	12.3	16.0	13.7		355	159	14.9	0.450	0.0289	38.3				100.0%		2.8%		97.2%			83.1%				16.9%			
Truck SUV	5500	1986	19	0.001	15.7	11.9	15.6	13.4		353	162	14.1	0.459	0.0294	37.1				100.0%		1.9%		98.1%			90.4%				9.6%			
Truck SUV	5500	1987	52	0.004	16.8	12.8	16.4	14.3		350	209	12.0	0.596	0.0379	39.3				37.9%	62.1%	0.2%		99.8%						98.4%	1.6%			
Truck SUV	5500	1988	66	0.004	16.5	12.5	16.1	14.0		350	200	12.5	0.572	0.0364	38.6				40.7%	59.3%	0.2%		99.8%						98.8%	1.2%			
Truck SUV	5500	1989	41	0.003	17.5	12.9	17.8	14.9		350	209	11.6	0.596	0.0380	40.9				2.2%	97.8%			100.0%						98.6%	1.4%			
Truck SUV	5500	1990	41	0.003	17.3	12.7	17.6	14.7		350	209	10.9	0.597	0.0380	40.3				1.0%	99.0%			100.0%						98.9%	1.1%			
Truck SUV	5500	1991	25	0.002	17.2	12.6	17.2	14.5		350	209	11.0	0.597	0.0380	39.9				1.3%	98.7%			100.0%						98.6%	1.4%			
Truck SUV	5500	1992	45	0.004	16.3	12.1	15.8	13.7		350	210	10.8	0.600	0.0382	37.6				46.2%	53.8%			100.0%						100.0%				
Truck SUV	5500	1993	71	0.005	16.8	12.4	16.3	14.1		350	210	10.1	0.600	0.0382	38.7				35.6%	64.4%			100.0%						100.0%				
Truck SUV	5500	1994	92	0.007	16.8	12.4	16.1	14.0		351	210	10.1	0.598	0.0381	38.5				39.3%	60.7%			100.0%					1.5%	98.5%				
Truck SUV	5500	1995	143	0.009	16.9	12.4	16.0	14.0		350	205	10.5	0.586	0.0373	38.5				66.5%	33.5%			100.0%						100.0%				
Truck SUV	5500	1996	141	0.011	17.4	12.7	16.6	14.4		350	250	9.7	0.714	0.0455	39.7				74.9%	25.1%			100.0%					100.0%		0.0%			
Truck SUV	5500	1997	307	0.021	17.4	12.5	16.7	14.4		334	238	10.1	0.713	0.0432	39.6				85.1%	14.9%			100.0%					100.0%					
Truck SUV	5500	1998	273	0.019	17.0	12.1	16.3	14.0		327	234	10.5	0.720	0.0426	38.7				85.1%	14.9%			100.0%					100.0%			3.4%		
Truck SUV	5500	1999	199	0.013	17.5	12.3	17.0	14.4		333	252	9.8	0.759	0.0459	39.7				14.8%	85.2%			100.0%					100.0%			4.3%		
Truck SUV	5500	2000	303	0.018	18.2	13.0	17.1	14.9		306	253	9.4	0.841	0.0460	41.1				40.6%	59.4%			100.0%					100.0%			15.8%		
Truck SUV	5500	2001	402	0.026	18.5	13.3	16.7	15.0		306	260	9.2	0.857	0.0472	41.3				45.7%	54.3%			100.0%					100.0%			23.7%		
Truck SUV	5500	2002	278	0.017	18.4	12.9	17.3	15.0		310	267	9.1	0.862	0.0486	41.2				19.9%	80.1%			100.0%					100.0%			28.8%		
Truck SUV	5500	2003	317	0.020	18.3	12.8	16.9	14.8		297	258	9.3	0.867	0.0469	40.8				20.0%	80.0%			100.0%					100.0%			24.7%	0.4%	
Truck SUV	5500	2004	483	0.031	18.4	12.8	17.0	14.9		302	280	8.8	0.933	0.0509	41.0				47.7%	52.3%			100.0%					100.0%			47.2%	30.3%	
Truck SUV	5500	2005	365	0.023	18.6	12.8	17.2	15.0		296	287	8.6	0.978	0.0522	41.3				56.9%	43.1%			100.0%					100.0%			46.4%	39.0%	
Truck SUV	5500	2006	231	0.015	18.7	12.9	17.4	15.1		303	289	8.6	0.959	0.0526	41.6				62.1%	37.9%			100.0%					100.0%			43.5%	43.5%	
Truck SUV	5500	2007	165	0.011	19.0	13.1	17.5	15.3		291	305	8.3	1.058	0.0554	42.2				84.3%	15.7%			100.0%					100.0%			61.1%	38.1%	
Truck SUV	5500	2008	92	0.007	19.4	13.3	18.3	15.7		283	327	8.0	1.175	0.0595	43.4				94.1%	5.9%	0.1%		99.9%				43.7%	56.3%			60.4%	55.8%	
Truck SUV	5500	2009	69	0.007	21.1	14.3	20.0	17.1		266	310	8.1	1.189	0.0563	47.3				73.7%	26.3%	0.3%		99.7%				27.6%	67.2%		5.1%	65.2%	70.0%	
Truck SUV	5500	2010	70	0.006	22.2	15.0	20.9	17.9		254	304	8.2	1.218	0.0552	49.6				86.1%	13.9%	0.0%		98.9%	1.1%			44.5%	45.5%		10.0%	82.3%	92.9%	1.1%
Truck SUV	5500	2011	118	0.010	21.6	14.7	20.5	17.5		278	345	7.6	1.273	0.0627	48.7				95.8%	4.2%			99.9%	0.1%			35.9%	54.8%		9.3%	59.1%	90.7%	1.5%
Truck SUV	5500	2012	84	0.006	21.6	14.7	20.3	17.4		286	351	7.5	1.270	0.0639	49.1				96.0%	4.0%			100.0%				15.6%	62.1%		22.3%	50.9%	73.8%	2.1%
Truck SUV	5500	2013	101	0.007	21.7	14.7	20.6	17.6		274	342	7.6	1.278	0.0621	48.9				95.3%	4.7%			100.0%				44.9%	47.2%		7.9%	65.3%	90.9%	0.8%
Truck SUV	5500	2014	185	0.012	22.8	15.3	21.7	18.4		256	330	7.5	1.337	0.0599	51.3				97.5%	2.5%			100.0%				53.5%	43.9%		2.6%	73.6%	87.9%	0.5%
Truck SUV	5500	2015	121	0.007	22.6	15.2	21.4	18.2		259	336	7.4	1.360	0.0610	50.7				96.7%	3.3%			100.0%				44.3%	47.3%		8.4%	72.9%	90.0%	0.0%
Truck SUV	5500	2016	166	0.010	24.7	16.7	23.0	19.8		258	344	7.2	1.415	0.0626	56.9				73.1%	26.9%			100.0%				63.8%	24.6%		11.6%	64.8%	88.4%	5.9%
Truck SUV	5500	2017	-	0.006	23.3	15.8	21.5	18.6		255	361	7.0	1.522	0.0657	52.3				96.8%	3.2%			100.0%				50.6%	42.3%		7.1%	74.6%	89.2%	5.1%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb		CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	6000	1975	0	0.000	10.3	8.3	9.3	8.7		400	170		0.425	0.0283	26.2				100.0%		12.7%	87.3%				100.0%							
Truck SUV	6000	1976	1	0.000	11.9	9.5	11.0	10.1		400	170		0.426	0.0284	30.4				100.0%		12.8%	87.2%				100.0%							
Truck SUV	6000	1977	1	0.000	11.9	9.5	11.0	10.1		400	180		0.450	0.0300	30.4				100.0%		11.6%	88.4%				100.0%							
Truck SUV	6000	1978	1	0.000	11.4	9.2	10.2	9.7		400	180	15.0	0.449	0.0300	29.0				100.0%		15.5%	84.5%				100.0%							
Truck SUV	6000	1979																														
Truck SUV	6000	1980	3	0.000	13.4	10.3	13.2	11.4		350	165	16.1	0.470	0.0274	34.2				3.4%	96.6%			100.0%			100.0%							
Truck SUV	6000	1981																														
Truck SUV	6000	1982	4	0.000	21.2	16.5	20.5	18.1		350	130	19.8	0.371	0.0217	54.2				100.0%				100.0%							100.0%			
Truck SUV	6000	1983	4	0.000	20.8	16.0	20.4	17.7		379	130	18.0	0.343	0.0217	53.2				100.0%				100.0%							100.0%			
Truck SUV	6000	1984	4	0.000	21.0	16.1	20.8	17.9		379	130	17.9	0.343	0.0217	53.8				100.0%				100.0%							100.0%			
Truck SUV	6000	1985	7	0.000	21.4	16.2	21.7	18.3		378	131	17.4	0.348	0.0219	55.3				47.3%	52.7%			100.0%			4.1%				95.9%			
Truck SUV	6000	1986	5	0.000	22.1	16.7	22.1	18.8		379	130	16.7	0.343	0.0217	56.5				49.0%	51.0%			100.0%							100.0%			
Truck SUV	6000	1987	3	0.000	20.9	15.9	20.5	17.8		376	137	16.6	0.366	0.0229	54.1				56.8%	43.2%	9.1%		90.9%						9.1%	90.9%			
Truck SUV	6000	1988	3	0.000	18.3	13.9	17.8	15.5		368	162	15.4	0.445	0.0270	47.9				70.0%	30.0%	7.3%		92.7%						37.7%	62.3%			
Truck SUV	6000	1989	33	0.002	15.8	11.9	15.4	13.3		352	206	12.6	0.586	0.0343	40.2				97.2%	2.8%	1.0%		99.0%						94.6%	5.4%			
Truck SUV	6000	1990	32	0.003	16.0	12.0	15.6	13.5		351	206	11.8	0.588	0.0344	40.6				97.5%	2.5%	0.7%		99.3%						95.2%	4.8%			
Truck SUV	6000	1991	18	0.001	15.7	11.7	15.2	13.2		351	207	11.8	0.591	0.0345	39.7				96.2%	3.8%			100.0%						96.1%	3.9%			
Truck SUV	6000	1992	21	0.002	14.9	10.9	14.7	12.5		350	210	11.5	0.600	0.0350	37.5				100.0%				100.0%						100.0%				
Truck SUV	6000	1993	49	0.004	15.8	11.6	15.3	13.2		350	210	10.7	0.600	0.0350	39.7				100.0%				100.0%						100.0%				
Truck SUV	6000	1994	60	0.004	16.1	12.0	15.0	13.3		350	210	10.7	0.600	0.0350	40.0				100.0%				100.0%						100.0%				
Truck SUV	6000	1995	61	0.004	15.7	11.6	14.9	13.1		350	210	10.9	0.599	0.0350	39.2				100.0%				100.0%					1.0%	99.0%				
Truck SUV	6000	1996	58	0.004	16.8	12.1	16.3	13.9		350	250	10.2	0.713	0.0416	41.8				100.0%				100.0%					99.5%		0.5%			
Truck SUV	6000	1997	74	0.005	16.7	12.0	15.9	13.8		350	250	10.2	0.713	0.0416	41.4				100.0%				100.0%					99.6%		0.4%			
Truck SUV	6000	1998	50	0.003	16.1	11.5	15.7	13.4		323	230	11.1	0.715	0.0383	40.1				100.0%				100.0%					99.7%		0.3%	13.0%		
Truck SUV	6000	1999	166	0.011	16.5	11.7	16.1	13.7		319	237	10.9	0.747	0.0395	41.0				100.0%				100.0%					100.0%			29.8%		
Truck SUV	6000	2000	269	0.016	16.6	11.9	15.5	13.6		325	257	9.9	0.795	0.0429	40.8				100.0%				100.0%					100.0%			13.6%		
Truck SUV	6000	2001	219	0.014	16.8	12.0	15.4	13.6		326	274	9.4	0.842	0.0457	41.0				93.4%	6.6%			100.0%					100.0%			23.0%		
Truck SUV	6000	2002	453	0.028	17.7	12.4	16.6	14.4		332	295	9.1	0.885	0.0491	43.5				84.5%	15.5%			100.0%					100.0%			7.3%		
Truck SUV	6000	2003	654	0.041	17.4	12.1	16.4	14.2		329	279	9.3	0.851	0.0465	42.7				75.1%	24.9%			100.0%					100.0%			7.8%	2.1%	
Truck SUV	6000	2004	635	0.040	17.4	12.1	16.2	14.1		331	287	9.1	0.869	0.0479	42.4				78.2%	21.8%			100.0%					99.9%		0.1%	13.4%	7.3%	
Truck SUV	6000	2005	490	0.031	18.2	12.5	16.9	14.7		330	302	8.8	0.917	0.0504	44.2				76.6%	23.4%			100.0%					100.0%			36.6%	34.9%	
Truck SUV	6000	2006	327	0.022	18.1	12.4	16.9	14.6		318	306	8.7	0.973	0.0510	43.9				77.2%	22.8%			100.0%					99.8%		0.2%	63.1%	63.0%	
Truck SUV	6000	2007	681	0.045	19.8	13.3	19.0	16.0		329	322	8.5	0.979	0.0537	48.3				56.7%	43.3%			100.0%					99.7%		0.3%	14.8%	28.6%	
Truck SUV	6000	2008	442	0.032	19.5	13.2	18.7	15.8		324	333	8.3	1.031	0.0554	47.7				57.2%	42.8%			98.2%	1.8%			0.8%	97.9%		1.2%	37.3%	41.8%	1.8%
Truck SUV	6000	2009	138	0.015	19.8	13.3	19.1	16.1		327	338	7.8	1.040	0.0564	48.6				57.1%	42.9%			95.5%	4.5%			1.4%	96.1%		2.5%	34.6%	44.6%	5.0%
Truck SUV	6000	2010	202	0.018	20.2	13.6	19.3	16.4		326	335	8.0	1.033	0.0558	49.4				60.7%	39.3%		0.2%	99.3%	0.6%			12.9%	84.5%		2.6%	51.2%	89.8%	0.7%
Truck SUV	6000	2011	364	0.030	20.7	14.0	19.7	16.8		324	339	7.9	1.050	0.0564	50.6				65.9%	34.1%		0.0%	99.7%	0.3%			15.4%	82.1%		2.5%	36.1%	98.4%	0.3%
Truck SUV	6000	2012	276	0.020	20.7	13.9	19.6	16.7		321	339	7.9	1.063	0.0565	50.4				66.2%	33.8%			99.7%	0.3%			18.1%	78.2%		3.7%	42.8%	96.3%	0.3%
Truck SUV	6000	2013	327	0.022	21.0	14.1	19.8	16.9		321	341	7.8	1.073	0.0569	51.1				66.0%	34.0%			99.8%	0.2%			19.3%	77.8%		2.9%	34.0%	97.1%	0.2%
Truck SUV	6000	2014	191	0.012	21.1	14.2	19.9	16.9		318	351	7.7	1.119	0.0585	51.3				63.6%	36.4%			100.0%				27.4%	67.4%		5.2%	50.0%	94.8%	
Truck SUV	6000	2015	374	0.022	22.6	15.2	21.5	18.3		317	365	7.4	1.184	0.0608	55.2				57.5%	42.5%			100.0%				91.4%	5.8%		2.8%	27.3%	97.2%	0.2%
Truck SUV	6000	2016	271	0.017	22.4	15.2	21.1	18.0		319	383	7.1	1.249	0.0639	54.4				67.5%	32.5%			100.0%				96.2%	3.2%		0.6%	27.2%	99.4%	0.1%
Truck SUV	6000	2017	-	0.013	22.7	15.3	21.3	18.2		310	374	7.1	1.256	0.0623	55.0				51.9%	48.1%			100.0%				97.5%	2.5%			32.8%	100.0%	0.2%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	6500	1975																														
Truck SUV	6500	1976																														
Truck SUV	6500	1977																														
Truck SUV	6500	1978																														
Truck SUV	6500	1979																														
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Truck SUV	6500	1989																														
Truck SUV	6500	1990																														
Truck SUV	6500	1991	1	0.000	20.2	14.7	20.4	17.0		379	140	15.8	0.369	0.0215	55.2				100.0%				100.0%							100.0%			
Truck SUV	6500	1992																														
Truck SUV	6500	1993																														
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Truck SUV	6500	2004																														
Truck SUV	6500	2005																														
Truck SUV	6500	2006																														
Truck SUV	6500	2007																														
Truck SUV	6500	2008	40	0.003	18.4	12.5	17.5	14.9		344	375	7.9	1.090	0.0577	48.6				100.0%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	6500	2009	4	0.000	18.3	12.4	17.5	14.9		346	383	7.5	1.107	0.0589	48.4				100.0%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	6500	2010	36	0.003	18.4	12.6	17.3	14.9		337	341	8.2	1.011	0.0525	48.5				85.6%	14.4%			100.0%					100.0%			100.0%	44.5%	
Truck SUV	6500	2011	77	0.006	18.6	12.8	17.6	15.1		348	353	8.0	1.011	0.0544	49.3				91.5%	8.5%			98.7%	1.3%				100.0%			68.4%	100.0%	1.3%
Truck SUV	6500	2012	61	0.005	18.6	12.8	17.6	15.1		344	344	8.2	0.998	0.0529	49.3				88.7%	11.3%			98.8%	1.2%				100.0%			74.8%	100.0%	1.2%
Truck SUV	6500	2013	69	0.005	18.5	12.7	17.5	15.1		347	353	8.0	1.014	0.0543	49.1				90.7%	9.3%			99.0%	1.0%				100.0%			71.1%	100.0%	1.0%
Truck SUV	6500	2014	59	0.004	18.5	12.7	17.5	15.1		341	341	8.2	0.999	0.0525	49.0				89.5%	10.5%			100.0%					100.0%			84.1%	100.0%	
Truck SUV	6500	2015	154	0.009	21.6	14.7	20.4	17.5		307	371	7.7	1.260	0.0570	57.0				94.9%	5.1%			100.0%				92.5%	7.5%			35.2%	100.0%	
Truck SUV	6500	2016	136	0.008	21.4	14.5	20.2	17.3		302	369	7.7	1.270	0.0567	56.6				95.1%	4.9%			100.0%				87.3%	12.7%			47.7%	100.0%	
Truck SUV	6500	2017	-	0.009	21.2	14.5	19.9	17.1		283	374	7.6	1.390	0.0575	55.8				88.6%	11.4%			100.0%				92.5%	7.5%			61.6%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	7000	1975																														
Truck SUV	7000	1976																														
Truck SUV	7000	1977																														
Truck SUV	7000	1978																														
Truck SUV	7000	1979																														
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Truck SUV	7000	2007																														
Truck SUV	7000	2008																														
Truck SUV	7000	2009																														
Truck SUV	7000	2010																														
Truck SUV	7000	2011	4	0.000	15.4	10.4	15.6	12.8		366	352	8.3	0.962	0.0503	44.9				100.0%				100.0%					100.0%					100.0%	
Truck SUV	7000	2012	2	0.000	15.4	10.4	15.6	12.8		366	352	8.3	0.961	0.0503	44.9				100.0%				100.0%					100.0%					100.0%	
Truck SUV	7000	2013	3	0.000	16.2	10.8	16.1	13.3		338	341	8.6	1.036	0.0488	47.0				100.0%				100.0%					100.0%				20.2%	100.0%	
Truck SUV	7000	2014	1	0.000	19.9	13.1	18.8	15.8		226	303	9.4	1.342	0.0433	55.4				100.0%				100.0%					100.0%				100.0%	100.0%	
Truck SUV	7000	2015	0	0.000	19.9	13.1	18.8	15.8		226	303	9.4	1.342	0.0433	55.4				100.0%				100.0%					100.0%				100.0%	100.0%	
Truck SUV	7000	2016																														
Truck SUV	7000	2017	-	0.000	14.2	10.6	10.9	10.8		243	416	7.1	1.712	0.0594	37.8				100.0%				100.0%				100.0%					100.0%	100.0%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Truck SUV	8500	1975																														
Truck SUV	8500	1976																														
Truck SUV	8500	1977																														
Truck SUV	8500	1978																														
Truck SUV	8500	1979																														
Truck SUV	8500	1980																														
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Truck SUV	8500	2006																														
Truck SUV	8500	2007																														
Truck SUV	8500	2008																														
Truck SUV	8500	2009																														
Truck SUV	8500	2010																														
Truck SUV	8500	2011	0	0.000	16.4	11.3	15.7	13.4		330	310	9.9	0.939	0.0365	57.1					100.0%			100.0%					100.0%			100.0%	100.0%	
Truck SUV	8500	2012	0	0.000	16.4	11.3	15.7	13.4		330	310	9.9	0.941	0.0365	57.1					100.0%			100.0%					100.0%			100.0%	100.0%	
Truck SUV	8500	2013	0	0.000	16.4	11.3	15.7	13.4		330	310	9.9	0.941	0.0365	57.1					100.0%			100.0%					100.0%			100.0%	100.0%	
Truck SUV	8500	2014	0	0.000	16.4	11.3	15.7	13.4		330	310	9.9	0.941	0.0365	57.1					100.0%			100.0%					100.0%			100.0%	100.0%	
Truck SUV	8500	2015																														
Truck SUV	8500	2016																														
Truck SUV	8500	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	2000	1975																														
Pickup	2000	1976																														
Pickup	2000	1977																														
Pickup	2000	1978																														
Pickup	2000	1979																														
Pickup	2000	1980	0	0.000	25.2	20.3	22.9	21.4		49	41	24.6	0.837	0.0205	21.4				100.0%		100.0%					100.0%							
Pickup	2000	1981	0	0.000	25.2	20.3	22.9	21.4		49	41	24.6	0.837	0.0205	21.4				100.0%		100.0%					100.0%							
Pickup	2000	1982																														
Pickup	2000	1983																														
Pickup	2000	1984																														
Pickup	2000	1985																														
Pickup	2000	1986																														
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Pickup	2000	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	2250	1975																														
Pickup	2250	1976																														
Pickup	2250	1977																														
Pickup	2250	1978																														
Pickup	2250	1979	0	0.000	25.0	20.1	22.9	21.2		49	41	25.8	0.837	0.0182	23.9				100.0%		100.0%					100.0%							
Pickup	2250	1980	25	0.002	32.0	25.3	30.0	27.2		94	64	18.3	0.677	0.0284	32.4			100.0%			100.0%								54.6%	45.4%			
Pickup	2250	1981	24	0.002	41.5	33.2	38.1	35.2		97	52	20.2	0.536	0.0231	39.7			100.0%			100.0%									100.0%			
Pickup	2250	1982	11	0.001	43.1	35.7	37.6	36.5		97	52	21.5	0.539	0.0231	41.2			98.8%	1.2%		100.0%					1.2%				98.8%			
Pickup	2250	1983	1	0.000	39.2	32.6	34.0	33.2		91	51	20.3	0.571	0.0226	39.1			84.5%	15.5%		100.0%					15.5%				84.5%			
Pickup	2250	1984	0	0.000	28.8	25.3	23.1	24.2		59	45	23.5	0.763	0.0200	27.3				100.0%		100.0%					100.0%							
Pickup	2250	1985																														
Pickup	2250	1986																														
Pickup	2250	1987																														
Pickup	2250	1988																														
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Pickup	2250	2015																														
Pickup	2250	2016																														
Pickup	2250	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	2500	1975																														
Pickup	2500	1976																														
Pickup	2500	1977																														
Pickup	2500	1978	23	0.002	27.2	21.2	26.3	23.2		97	67	16.0	0.691	0.0268	29.1				100.0%		100.0%					100.0%							
Pickup	2500	1979	39	0.003	27.5	21.7	26.1	23.5		97	67	18.3	0.691	0.0268	29.4				100.0%		100.0%					100.0%							
Pickup	2500	1980	17	0.001	25.8	19.9	25.2	22.0		97	68	18.6	0.701	0.0272	27.5			9.5%	90.5%		90.5%	9.5%				90.5%			9.5%				
Pickup	2500	1981	27	0.003	28.4	22.4	26.7	24.2		108	73	17.1	0.683	0.0294	30.2			34.2%	65.8%		100.0%					65.8%			34.2%				
Pickup	2500	1982	25	0.003	29.7	23.1	28.8	25.3		123	80	17.1	0.655	0.0321	31.7			71.2%	28.8%		83.6%	16.4%				86.5%			13.5%				
Pickup	2500	1983	21	0.002	32.6	24.6	33.1	27.8		128	86	14.6	0.670	0.0343	34.9			78.8%	21.2%		95.7%		4.3%			95.8%			4.2%				
Pickup	2500	1984	15	0.001	28.1	22.2	26.3	23.9		102	70	18.5	0.700	0.0279	30.1			36.0%	64.0%		96.0%		4.0%			100.0%							
Pickup	2500	1985	4	0.000	29.6	23.5	27.4	25.2		109	73	16.7	0.670	0.0292	31.5				100.0%		95.6%		4.4%			100.0%							
Pickup	2500	1986	5	0.000	30.0	23.6	27.9	25.4		109	73	15.9	0.670	0.0292	31.8				100.0%		100.0%					100.0%							
Pickup	2500	1987	1	0.000	29.8	23.4	27.5	25.1		109	73	16.1	0.670	0.0292	31.4				100.0%		100.0%					100.0%							
Pickup	2500	1988																														
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Pickup	2500	2017																														

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	2750	1975	156	0.015	22.7	17.4	22.4	19.4		119	95		0.799	0.0347	26.7					100.0%	88.7%	11.3%				100.0%							
Pickup	2750	1976	162	0.013	24.1	18.6	23.8	20.6		120	98		0.815	0.0355	28.4					100.0%	80.2%	19.8%				100.0%							
Pickup	2750	1977	226	0.016	25.7	20.0	24.7	21.9		121	97		0.801	0.0352	30.2					100.0%	79.9%	20.1%				100.0%							
Pickup	2750	1978	183	0.013	25.8	20.7	23.7	22.0		121	97	13.1	0.801	0.0353	30.3					100.0%	86.1%	13.9%				100.0%							
Pickup	2750	1979	240	0.017	22.7	17.8	21.6	19.3		126	91	15.1	0.722	0.0330	27.0					100.0%	85.8%	14.2%				100.0%							
Pickup	2750	1980	324	0.029	25.2	20.0	23.4	21.4		126	91	15.3	0.728	0.0333	29.7					100.0%	86.9%	13.1%				100.0%							
Pickup	2750	1981	222	0.021	27.9	22.2	26.0	23.8		130	90	15.4	0.695	0.0329	32.9					100.0%	90.3%	9.7%				98.6%				1.4%			
Pickup	2750	1982	227	0.023	28.3	22.4	26.3	24.0		130	91	16.4	0.699	0.0331	33.3			1.4%		98.6%	87.1%	8.1%	4.9%			98.3%				1.7%			
Pickup	2750	1983	340	0.033	28.8	22.9	26.7	24.5		132	87	15.5	0.658	0.0315	33.9			4.0%	0.1%	95.9%	89.4%	10.5%	0.2%			99.1%			0.1%	0.9%			
Pickup	2750	1984	314	0.022	28.2	22.5	26.1	24.0		130	87	15.3	0.670	0.0317	33.3			2.2%	0.1%	97.7%	88.1%	11.6%	0.3%			98.1%		1.2%		0.7%			
Pickup	2750	1985	238	0.016	29.9	23.7	27.8	25.4		130	90	14.8	0.692	0.0328	35.1					100.0%	92.5%	7.5%				98.1%		1.5%		0.4%			
Pickup	2750	1986	311	0.020	29.5	23.3	27.4	25.0		132	92	13.9	0.694	0.0334	34.6					100.0%	89.0%	11.0%				99.6%				0.4%			
Pickup	2750	1987	240	0.016	29.7	23.2	27.7	25.1		134	93	14.0	0.694	0.0338	34.6					100.0%	90.6%	9.4%				100.0%							
Pickup	2750	1988	121	0.008	27.8	21.7	25.5	23.4		136	98	13.5	0.721	0.0356	32.2					100.0%	99.4%	0.6%				99.4%		0.6%					
Pickup	2750	1989	76	0.005	27.6	21.6	25.1	23.1		135	97	13.0	0.721	0.0354	31.9					100.0%	100.0%					100.0%							
Pickup	2750	1990	31	0.002	26.0	20.4	23.0	21.6		144	102	11.9	0.708	0.0371	29.7					100.0%	100.0%					100.0%							
Pickup	2750	1991																															
Pickup	2750	1992	19	0.002	28.2	21.3	25.7	23.3		144	112	10.8	0.778	0.0407	32.0					100.0%	100.0%							100.0%					
Pickup	2750	1993																															
Pickup	2750	1994																															
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Pickup	2750	2015																															
Pickup	2750	2016																															
Pickup	2750	2017																															

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	3000	1975	60	0.006	20.7	16.4	19.4	17.6		107	70		0.667	0.0234	26.6					100.0%	69.3%	30.7%				100.0%							
Pickup	3000	1976	63	0.005	22.3	17.5	21.2	19.0		108	70		0.667	0.0234	29.0					100.0%	84.5%	15.5%				100.0%							
Pickup	3000	1977	78	0.006	28.6	22.4	27.2	24.3		122	75		0.629	0.0249	37.0					100.0%	88.8%	11.2%				100.0%							
Pickup	3000	1978	124	0.009	27.5	21.9	25.5	23.4		123	77	16.7	0.631	0.0258	35.5					100.0%	88.1%	11.9%				100.0%							
Pickup	3000	1979	174	0.013	23.9	18.9	22.4	20.3		124	80	17.5	0.649	0.0266	31.2				31.7%	68.3%	88.1%	11.9%				100.0%							
Pickup	3000	1980	169	0.015	23.6	18.8	21.9	20.1		127	84	17.2	0.666	0.0281	30.7				56.9%	43.1%	93.2%	6.8%				100.0%							
Pickup	3000	1981	211	0.020	27.1	21.6	25.2	23.1		136	83	17.3	0.613	0.0278	35.6				44.0%	56.0%	93.7%	6.2%	0.1%			74.5%				25.5%			
Pickup	3000	1982	353	0.036	26.4	20.8	25.0	22.5		157	96	16.9	0.616	0.0322	34.4				21.0%	79.0%	74.1%	3.2%	22.7%			83.0%				17.0%			
Pickup	3000	1983	378	0.037	26.4	20.7	25.0	22.5		149	93	15.7	0.626	0.0310	34.3				16.4%	83.6%	73.6%	16.8%	9.6%			91.2%				8.8%			
Pickup	3000	1984	475	0.034	26.6	20.8	25.4	22.6		147	93	15.5	0.636	0.0310	34.5				9.4%	90.6%	74.8%	13.7%	11.5%			92.0%		3.4%		4.7%			
Pickup	3000	1985	583	0.040	26.3	20.6	25.0	22.4		153	100	14.3	0.656	0.0334	33.9				9.9%	90.1%	68.8%	5.1%	26.0%			67.4%		16.8%	14.0%	1.8%			
Pickup	3000	1986	785	0.051	26.8	20.9	25.3	22.7		144	100	13.8	0.689	0.0333	34.3				4.1%	95.9%	78.9%	4.4%	16.7%			46.2%		19.3%	33.6%	0.9%			
Pickup	3000	1987	728	0.049	27.0	20.8	25.7	22.8		146	100	14.0	0.684	0.0334	34.4				4.6%	95.4%	77.4%	6.7%	15.9%			39.4%		20.3%	39.9%	0.4%			
Pickup	3000	1988	715	0.047	27.4	21.1	25.9	23.1		146	98	14.3	0.672	0.0328	34.9				1.0%	99.0%	77.9%	6.2%	15.9%			34.7%		28.3%	37.0%				
Pickup	3000	1989	575	0.040	27.6	21.2	25.8	23.2		146	102	13.3	0.699	0.0340	34.9					100.0%	82.7%	5.7%	11.6%			23.8%		31.0%	45.2%				
Pickup	3000	1990	413	0.033	28.2	21.6	25.9	23.5		143	110	11.9	0.765	0.0365	35.4					100.0%	86.3%	2.9%	10.7%			19.1%		70.8%	10.1%				
Pickup	3000	1991	577	0.046	27.5	20.8	25.6	22.9		149	109	12.0	0.735	0.0364	34.5					100.0%	88.1%	2.9%	9.0%			10.6%		51.5%	37.9%				
Pickup	3000	1992	318	0.026	27.1	20.4	25.2	22.5		148	112	11.5	0.760	0.0375	33.9					100.0%	85.9%	4.7%	9.4%			18.7%		53.1%	28.2%				
Pickup	3000	1993	364	0.028	27.4	20.4	25.5	22.6		150	115	10.6	0.771	0.0385	34.1					100.0%	87.3%	4.4%	8.3%			11.6%		63.2%	25.2%				
Pickup	3000	1994	275	0.019	28.0	20.9	25.5	23.0		143	117	10.4	0.818	0.0390	34.6					100.0%	85.5%	9.2%	5.3%			7.5%		92.5%					
Pickup	3000	1995	172	0.011	27.3	20.4	24.6	22.3		145	129	10.1	0.883	0.0429	33.5					100.0%	79.0%	11.8%	9.2%					100.0%			18.1%		
Pickup	3000	1996	103	0.008	27.2	20.1	24.5	22.1		148	139	10.0	0.938	0.0462	33.3					100.0%	72.2%	25.7%	2.1%					100.0%			99.9%		
Pickup	3000	1997	66	0.005	26.6	19.6	23.9	21.6		146	134	10.1	0.917	0.0446	32.5					100.0%	82.0%		18.0%					100.0%			99.1%		
Pickup	3000	1998	81	0.006	27.3	20.0	24.2	22.0		149	142	10.2	0.954	0.0473	33.1					100.0%	54.3%	45.7%						100.0%			100.0%		
Pickup	3000	1999	50	0.003	27.2	19.8	24.0	21.9		149	142	10.2	0.953	0.0473	32.8					100.0%	52.2%	47.8%						100.0%			100.0%		
Pickup	3000	2000	40	0.002	26.7	19.5	23.2	21.3		149	142	9.8	0.953	0.0473	32.0					100.0%	47.6%	52.4%						100.0%			100.0%		
Pickup	3000	2001	23	0.001	27.1	19.7	23.2	21.5		149	142	9.7	0.953	0.0473	32.3					100.0%	47.6%	52.4%						100.0%			100.0%		
Pickup	3000	2002	21	0.001	27.7	19.6	24.3	22.0		149	142	9.8	0.953	0.0473	33.0					100.0%	47.2%	52.8%						100.0%			100.0%		
Pickup	3000	2003	21	0.001	27.7	19.6	24.1	21.9		149	142	9.7	0.953	0.0473	32.8					100.0%	45.1%	54.9%						100.0%			100.0%		
Pickup	3000	2004	23	0.001	27.6	19.4	23.9	21.7		149	142	9.8	0.953	0.0473	32.6					100.0%	42.9%	57.1%						100.0%			100.0%		
Pickup	3000	2005																															
Pickup	3000	2006																															
Pickup	3000	2007																															
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Pickup	3000	2015																															
Pickup	3000	2016																															
Pickup	3000	2017																															

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	3500	1975	39	0.004	15.1	11.9	14.4	12.9		348	156		0.447	0.0445	22.7					100.0%	5.9%	94.1%				100.0%							
Pickup	3500	1976	71	0.006	16.5	13.1	15.5	14.1		319	138		0.440	0.0394	25.0					100.0%	11.9%	88.1%				100.0%							
Pickup	3500	1977	65	0.005	17.1	13.6	15.9	14.6		328	143		0.442	0.0408	25.8					100.0%	9.3%	90.7%				100.0%							
Pickup	3500	1978	89	0.006	18.5	14.6	17.4	15.8		275	132	12.9	0.497	0.0377	27.8					100.0%	20.5%	79.5%				100.0%							
Pickup	3500	1979	22	0.002	18.9	15.1	17.5	16.1		209	106	16.2	0.531	0.0304	28.6					100.0%	35.1%	64.9%				100.0%							
Pickup	3500	1980	53	0.005	18.7	15.2	16.8	15.9		213	113	15.8	0.557	0.0323	28.1					100.0%	42.1%	8.6%	49.3%			100.0%							
Pickup	3500	1981	105	0.010	21.3	16.9	19.8	18.1		247	112	15.3	0.472	0.0319	31.9				6.1%	93.9%	62.3%	6.7%	31.0%			100.0%							
Pickup	3500	1982	120	0.012	22.3	17.7	21.0	19.0		210	108	16.5	0.545	0.0310	33.4				31.5%	68.5%	80.0%	3.8%	16.2%			100.0%							
Pickup	3500	1983	231	0.022	23.4	18.2	22.5	19.9		178	107	15.4	0.618	0.0305	35.1				59.4%	40.6%	66.6%	5.4%	28.0%			98.3%			0.1%	1.6%			
Pickup	3500	1984	356	0.025	22.7	17.8	21.7	19.4		174	104	15.6	0.615	0.0297	34.2				62.0%	38.0%	67.5%	7.1%	25.4%			97.5%				2.5%			
Pickup	3500	1985	342	0.024	23.3	18.3	22.3	19.9		180	110	14.7	0.641	0.0313	35.0				60.9%	39.1%	71.5%	3.5%	25.0%			81.6%		14.2%	3.5%	0.7%			
Pickup	3500	1986	432	0.028	23.2	18.1	22.0	19.7		167	119	13.4	0.726	0.0341	34.7				67.4%	32.6%	69.0%	0.8%	30.2%			34.0%		35.6%	30.1%	0.3%			
Pickup	3500	1987	478	0.032	22.9	17.6	21.9	19.4		178	121	13.6	0.696	0.0347	34.1				56.2%	43.8%	55.2%	0.8%	44.0%			41.3%		28.5%	30.0%	0.2%			
Pickup	3500	1988	491	0.032	22.8	17.5	21.8	19.3		184	130	13.1	0.719	0.0370	33.9				55.6%	44.4%	54.0%	0.8%	45.2%			4.8%		54.5%	40.6%				
Pickup	3500	1989	439	0.030	22.6	17.3	21.5	19.0		195	132	12.5	0.696	0.0376	33.5				37.3%	62.7%	51.7%	0.4%	47.9%			2.1%		53.8%	44.0%				
Pickup	3500	1990	317	0.025	23.1	17.5	21.9	19.4		186	135	11.5	0.741	0.0386	34.0				30.7%	69.3%	52.7%		47.3%					77.5%	22.5%				
Pickup	3500	1991	413	0.033	23.9	17.9	22.8	20.0		199	137	11.4	0.712	0.0393	35.2				21.3%	78.7%	52.4%		47.6%					59.0%	41.0%				
Pickup	3500	1992	413	0.034	24.7	18.3	23.4	20.5		187	131	11.5	0.719	0.0374	36.2				18.4%	81.6%	65.1%		34.9%					70.5%	29.5%				
Pickup	3500	1993	444	0.034	24.5	18.2	23.2	20.4		186	134	10.6	0.738	0.0384	35.9				19.1%	80.9%	64.4%		35.6%					76.2%	23.8%				
Pickup	3500	1994	736	0.052	25.3	18.6	23.7	20.9		178	132	10.7	0.752	0.0377	36.8				9.0%	91.0%	63.2%		36.8%					86.6%	13.4%		1.9%		
Pickup	3500	1995	578	0.038	26.3	19.1	24.6	21.6		167	131	10.9	0.804	0.0375	38.2				7.7%	92.3%	69.5%		30.5%					83.1%	16.9%		6.9%		
Pickup	3500	1996	568	0.043	26.3	19.1	24.6	21.6		158	129	11.6	0.828	0.0368	38.1				7.5%	92.5%	66.2%		33.8%					100.0%			14.8%		
Pickup	3500	1997	457	0.032	27.0	19.5	24.9	22.0		154	123	11.9	0.815	0.0353	38.9				1.0%	99.0%	67.9%		32.1%					100.0%			9.2%		
Pickup	3500	1998	630	0.044	26.1	18.7	24.1	21.2		157	131	11.8	0.840	0.0373	37.5				8.5%	91.5%	57.8%		42.2%					100.0%			18.9%		
Pickup	3500	1999	493	0.032	24.9	17.7	23.0	20.2		162	133	11.7	0.827	0.0380	35.8				7.5%	92.5%	46.9%		53.1%					100.0%			16.1%		
Pickup	3500	2000	545	0.033	24.9	17.6	22.9	20.1		163	135	11.2	0.842	0.0386	35.5				5.4%	94.6%	41.0%		59.0%					100.0%			19.7%		
Pickup	3500	2001	348	0.022	24.5	17.4	22.3	19.7		161	138	10.8	0.867	0.0395	34.9				2.8%	97.2%	40.2%	2.6%	57.1%					100.0%			34.4%		
Pickup	3500	2002	213	0.013	24.9	17.6	22.3	19.9		168	146	10.5	0.884	0.0417	35.3					100.0%	34.7%	4.6%	60.6%					100.0%			54.8%		
Pickup	3500	2003	293	0.019	25.7	17.8	23.5	20.6		154	135	11.1	0.889	0.0385	36.3				1.4%	98.6%	36.1%	3.5%	60.4%					100.0%			33.2%		
Pickup	3500	2004	131	0.008	25.9	18.0	23.1	20.6		158	149	10.3	0.944	0.0425	36.3					100.0%	38.5%	7.8%	53.7%					100.0%			77.4%	12.7%	
Pickup	3500	2005	92	0.006	25.9	17.7	23.5	20.6		167	159	9.8	0.960	0.0455	36.3					100.0%	37.7%		62.3%					100.0%			77.9%	51.5%	
Pickup	3500	2006	100	0.007	26.1	17.7	23.9	20.8		164	161	9.9	0.984	0.0459	36.6				1.2%	98.8%	35.8%		64.2%					100.0%			86.7%	59.5%	
Pickup	3500	2007	89	0.006	26.0	17.8	23.5	20.6		161	159	10.0	0.995	0.0455	36.5					100.0%	32.3%		67.7%					100.0%			89.2%	89.2%	
Pickup	3500	2008	89	0.006	26.7	18.3	23.8	21.1		159	157	10.2	0.991	0.0448	37.2					100.0%	25.7%		74.3%					100.0%			87.4%	92.4%	
Pickup	3500	2009	54	0.006	27.9	19.3	24.5	21.9		154	155	10.1	1.011	0.0443	38.6					100.0%	23.9%		76.1%					100.0%			98.3%	98.3%	
Pickup	3500	2010	52	0.005	27.7	19.1	24.5	21.8		150	152	10.4	1.016	0.0435	38.3					100.0%	16.5%		83.5%					100.0%			100.0%	31.9%	
Pickup	3500	2011	62	0.005	27.7	19.1	24.3	21.7		149	151	10.4	1.015	0.0432	38.2					100.0%	16.0%		84.0%					100.0%			98.4%	22.3%	
Pickup	3500	2012	22	0.002	27.5	18.7	24.4	21.5		177	180	9.4	1.016	0.0516	37.7					100.0%	14.8%		85.2%					100.0%			100.0%	100.0%	
Pickup	3500	2013	14	0.001	29.3	20.0	24.4	22.3		164	159	10.1	0.967	0.0454	39.0					100.0%	16.6%		83.4%					100.0%			100.0%	100.0%	
Pickup	3500	2014	12	0.001	29.3	20.0	24.3	22.3		164	159	10.1	0.967	0.0454	39.0					100.0%	14.4%		85.6%					100.0%			100.0%	100.0%	
Pickup	3500	2015																															
Pickup	3500	2016																															
Pickup	3500	2017																															

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	4000	1975	733	0.072	14.1	11.0	13.6	12.0		330	143		0.433	0.0358	24.6				0.7%	99.3%	33.1%	66.9%				100.0%							
Pickup	4000	1976	907	0.073	15.3	12.2	14.3	13.1		327	135		0.412	0.0338	26.8				1.0%	99.0%	33.8%	66.2%				100.0%							
Pickup	4000	1977	855	0.061	16.7	13.4	15.3	14.2		322	144		0.445	0.0359	28.9				1.2%	98.8%	30.6%	69.4%				100.0%							
Pickup	4000	1978	951	0.066	16.1	13.0	14.4	13.6		318	144	13.1	0.453	0.0361	28.0				1.1%	98.9%	30.5%	69.5%				99.3%				0.7%			
Pickup	4000	1979	606	0.044	15.9	12.9	14.4	13.5		306	142	14.0	0.465	0.0356	27.4				6.3%	93.7%	33.8%	61.5%	4.8%			100.0%							
Pickup	4000	1980	439	0.039	18.7	14.9	17.4	15.9		283	127	15.2	0.451	0.0317	32.1				5.6%	94.4%	51.5%	31.1%	17.4%			100.0%							
Pickup	4000	1981	587	0.056	19.2	15.2	17.9	16.3		286	128	15.0	0.451	0.0320	33.0				7.3%	92.7%	44.3%	20.5%	35.1%			100.0%							
Pickup	4000	1982	397	0.041	18.7	14.9	17.4	15.9		292	130	16.1	0.446	0.0325	32.2				9.4%	90.6%	32.9%	38.7%	28.4%			100.0%							
Pickup	4000	1983	332	0.032	18.5	14.7	17.4	15.8		291	130	14.7	0.446	0.0324	32.0				4.8%	95.2%	27.0%	23.6%	49.0%		0.4%	99.8%				0.2%			
Pickup	4000	1984	406	0.029	18.5	14.6	17.4	15.7		287	127	14.8	0.442	0.0317	32.0				6.3%	93.7%	34.2%	25.9%	39.9%			100.0%				0.0%			
Pickup	4000	1985	385	0.027	18.5	14.8	17.2	15.8		292	140	13.8	0.479	0.0349	31.9				7.8%	92.2%	26.7%	41.3%	32.0%			86.2%		13.8%	0.0%				
Pickup	4000	1986	465	0.030	19.2	15.2	17.7	16.3		276	134	13.4	0.505	0.0336	32.8				13.5%	86.5%	36.8%	29.7%	33.5%			61.0%		28.0%	11.0%				
Pickup	4000	1987	271	0.018	19.1	15.1	17.6	16.2		273	141	13.2	0.530	0.0353	32.5			0.1%	17.6%	82.3%	40.2%	24.2%	35.5%			33.5%		48.8%	17.6%				
Pickup	4000	1988	370	0.024	19.7	15.2	18.7	16.6		282	154	12.4	0.555	0.0385	33.4			0.0%	18.0%	81.9%	43.2%	16.7%	40.1%			0.0%		39.6%	60.4%				
Pickup	4000	1989	369	0.026	20.1	15.3	19.3	17.0		269	159	11.8	0.607	0.0397	34.2				37.0%	63.0%	39.8%	5.4%	54.8%					28.4%	71.6%				
Pickup	4000	1990	342	0.027	20.2	15.1	19.4	16.9		271	162	10.9	0.612	0.0405	34.1				27.6%	72.4%	36.9%	5.3%	57.8%					31.6%	68.4%				
Pickup	4000	1991	353	0.028	20.4	15.2	19.6	17.1		262	159	11.1	0.623	0.0397	34.3				40.0%	60.0%	42.4%	0.0%	57.6%					36.0%	64.0%				
Pickup	4000	1992	332	0.027	20.4	15.1	19.7	17.1		250	154	11.1	0.628	0.0386	34.3				32.0%	68.0%	37.3%		62.7%					54.4%	45.6%				
Pickup	4000	1993	313	0.024	20.5	15.2	19.5	17.1		236	155	10.4	0.669	0.0388	34.3				42.3%	57.7%	38.0%		62.0%					68.8%	31.2%				
Pickup	4000	1994	536	0.038	20.9	15.4	19.8	17.3		241	169	9.9	0.715	0.0423	34.9				43.7%	56.3%	38.4%		61.6%					66.0%	34.0%		8.4%		
Pickup	4000	1995	292	0.019	20.9	15.4	19.5	17.3		230	164	10.3	0.727	0.0411	34.7				53.8%	46.2%	38.4%		61.6%					77.2%	22.8%		17.0%		
Pickup	4000	1996	286	0.022	21.6	15.7	20.3	17.8		239	173	10.3	0.734	0.0432	35.7				44.0%	56.0%	31.7%		68.3%					100.0%			22.4%		
Pickup	4000	1997	425	0.029	21.5	15.5	20.2	17.6		246	185	9.8	0.756	0.0461	35.3				26.0%	74.0%	31.3%		68.7%					100.0%			10.9%		
Pickup	4000	1998	437	0.030	21.3	15.3	19.9	17.4		236	178	10.4	0.766	0.0446	34.9				42.1%	57.9%	35.5%		64.5%					100.0%			15.5%		
Pickup	4000	1999	420	0.028	20.7	14.9	19.1	16.9		231	173	10.7	0.755	0.0431	33.8				52.4%	47.6%	26.1%		73.9%					100.0%			16.0%		
Pickup	4000	2000	481	0.029	20.8	14.9	19.1	16.9		222	171	10.3	0.779	0.0429	33.9				45.0%	55.0%	21.0%		79.0%					100.0%			13.6%		
Pickup	4000	2001	437	0.028	20.7	14.8	18.8	16.7		226	184	9.6	0.819	0.0460	33.6				43.1%	56.9%	16.7%		83.3%					100.0%			21.5%		
Pickup	4000	2002	386	0.024	20.9	15.0	18.6	16.8		220	183	9.8	0.836	0.0457	33.7				38.1%	61.9%	19.7%		80.3%					100.0%			40.0%		
Pickup	4000	2003	396	0.025	21.4	15.2	19.2	17.2		213	178	10.0	0.844	0.0445	34.5				36.3%	63.7%	15.4%		84.6%					100.0%			34.5%		
Pickup	4000	2004	380	0.024	21.8	15.2	19.6	17.4		208	189	9.6	0.910	0.0473	35.0				41.3%	58.7%	16.3%		83.7%					100.0%			53.4%	20.3%	
Pickup	4000	2005	293	0.018	23.1	15.9	20.9	18.4		211	206	9.0	0.978	0.0516	37.1				35.2%	64.8%	17.1%		82.9%					100.0%			77.9%	72.5%	
Pickup	4000	2006	282	0.019	23.4	16.1	21.1	18.7		209	202	9.2	0.970	0.0505	37.5				29.8%	70.2%	17.1%		82.9%					100.0%			82.7%	80.5%	
Pickup	4000	2007	209	0.014	22.8	15.7	20.6	18.2		212	199	9.4	0.941	0.0498	36.6				27.6%	72.4%	14.2%		85.8%					100.0%			65.9%	53.6%	
Pickup	4000	2008	186	0.013	23.2	16.0	20.8	18.5		213	199	9.5	0.938	0.0498	37.1				31.3%	68.7%	13.9%		86.1%					100.0%			63.5%	44.0%	
Pickup	4000	2009	97	0.010	24.2	16.7	21.6	19.2		209	202	9.1	0.974	0.0506	38.7				25.5%	74.5%	22.1%		77.9%					100.0%			81.3%	52.7%	
Pickup	4000	2010	97	0.009	23.9	16.6	21.3	19.0		213	205	9.2	0.965	0.0512	38.3				24.1%	75.9%	16.2%		83.8%					100.0%			75.7%	76.3%	
Pickup	4000	2011	128	0.011	23.5	16.4	20.9	18.7		218	202	9.2	0.933	0.0505	37.7				35.7%	64.3%	11.2%		88.8%					100.0%			59.8%	60.2%	
Pickup	4000	2012	92	0.007	25.8	17.8	22.5	20.2		198	198	9.6	1.000	0.0495	40.5				18.7%	81.3%	10.2%		89.8%					100.0%			99.6%	100.0%	
Pickup	4000	2013	89	0.006	25.9	18.0	22.2	20.2		194	190	9.8	0.976	0.0474	40.4				14.5%	85.5%	10.1%		89.9%					100.0%			100.0%	100.0%	
Pickup	4000	2014	72	0.005	25.9	18.0	22.2	20.2		192	187	9.9	0.977	0.0468	40.4				14.5%	85.5%	9.3%		90.7%					100.0%			100.0%	100.0%	
Pickup	4000	2015	123	0.007	26.4	18.2	22.8	20.6		190	193	9.6	1.026	0.0483	41.3				7.6%	92.4%	7.1%		92.9%				14.4%	85.6%			100.0%	100.0%	
Pickup	4000	2016	76	0.005	27.5	18.9	24.4	21.7		163	190	9.6	1.157	0.0475	43.5					100.0%	6.0%		94.0%				44.1%	55.9%			100.0%	100.0%	
Pickup	4000	2017	-	0.003	27.5	19.0	24.0	21.6		161	182	9.7	1.126	0.0455	43.2					100.0%	12.1%		87.9%				40.3%	59.7%			100.0%	100.0%	

Vehicle	Weight		Prod		Fuel Economy (MPG)				Vol	Engine							Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
Type	Class	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	4500	1975	180	0.018	11.8	9.6	10.6	10.0		366	166		0.451	0.0369	22.6				55.4%	44.6%	51.3%	48.7%				100.0%							
Pickup	4500	1976	375	0.030	12.6	10.3	11.3	10.7		365	161		0.439	0.0358	24.3				64.5%	35.5%	45.2%	54.8%				100.0%							
Pickup	4500	1977	539	0.038	13.7	11.2	12.2	11.6		369	169		0.459	0.0377	26.3				58.2%	41.8%	31.0%	69.0%				100.0%							
Pickup	4500	1978	578	0.040	13.6	11.2	12.1	11.5		361	163	12.9	0.453	0.0363	26.3				68.5%	31.5%	31.7%	68.3%				96.5%				3.5%			
Pickup	4500	1979	631	0.045	14.2	11.8	12.7	12.2		320	146	14.7	0.459	0.0323	27.9				16.4%	83.6%	25.6%	74.4%				99.7%				0.3%			
Pickup	4500	1980	247	0.022	15.7	12.6	14.3	13.3		323	147	14.9	0.456	0.0326	30.3				30.9%	69.1%	32.0%	23.5%	44.4%			97.4%				2.6%			
Pickup	4500	1981	210	0.020	16.8	13.4	15.5	14.3		314	147	14.9	0.472	0.0327	32.6				25.2%	74.8%	18.6%	21.1%	60.3%			98.2%				1.8%			
Pickup	4500	1982	193	0.020	17.1	13.7	15.7	14.5		311	156	15.2	0.504	0.0347	33.2				20.0%	80.0%	15.7%	20.1%	64.1%			99.2%				0.8%			
Pickup	4500	1983	247	0.024	17.0	13.5	15.8	14.5		310	151	14.2	0.488	0.0335	33.0				34.0%	66.0%	21.4%	21.6%	55.4%		1.7%	99.1%				0.9%			
Pickup	4500	1984	385	0.027	16.8	13.4	15.6	14.3		310	150	14.2	0.483	0.0333	32.6				34.6%	65.4%	18.6%	23.0%	58.4%			99.6%				0.4%			
Pickup	4500	1985	428	0.030	16.8	13.4	15.5	14.3		310	159	13.5	0.513	0.0354	32.4				33.6%	66.4%	16.9%	18.2%	64.9%			92.0%		8.0%		0.0%			
Pickup	4500	1986	439	0.029	17.4	13.8	16.1	14.8		307	155	13.1	0.503	0.0344	33.5				36.8%	63.2%	19.9%	13.9%	66.3%			77.7%		22.3%		0.0%			
Pickup	4500	1987	353	0.024	17.2	13.5	16.0	14.6		316	168	12.6	0.531	0.0374	33.0				35.5%	64.5%	21.6%	32.7%	45.7%			12.7%		41.5%	45.8%	0.1%			
Pickup	4500	1988	596	0.039	17.8	13.7	16.9	15.0		322	174	12.3	0.539	0.0387	33.9				38.3%	61.7%	20.3%	18.0%	61.7%			0.5%		35.5%	63.9%	0.1%			
Pickup	4500	1989	641	0.044	17.8	13.6	16.9	15.0		320	174	11.8	0.542	0.0388	33.9				37.7%	62.3%	32.4%	9.4%	58.1%					45.1%	54.7%	0.1%			
Pickup	4500	1990	507	0.040	18.0	13.6	17.2	15.1		318	172	11.2	0.536	0.0381	34.3				34.2%	65.8%	25.5%	8.0%	66.5%					51.7%	48.2%	0.1%			
Pickup	4500	1991	435	0.035	18.1	13.5	17.5	15.2		315	176	11.1	0.555	0.0390	34.5				28.6%	71.4%	23.7%	1.0%	75.3%					48.0%	51.9%	0.1%			
Pickup	4500	1992	513	0.042	18.4	13.6	17.8	15.4		310	171	11.0	0.550	0.0380	34.8				21.1%	78.9%	27.9%	0.1%	72.0%					59.3%	40.6%	0.1%			
Pickup	4500	1993	614	0.046	19.0	13.9	18.4	15.8		306	177	10.1	0.579	0.0394	35.8			0.0%	16.9%	83.1%	19.5%		80.5%					55.4%	44.6%					
Pickup	4500	1994	684	0.048	18.7	13.7	18.0	15.6		311	186	9.8	0.600	0.0414	35.2				14.5%	85.5%	17.3%		82.7%					59.9%	40.1%					
Pickup	4500	1995	744	0.049	18.6	13.5	17.8	15.4		308	182	10.1	0.593	0.0404	34.8				18.4%	81.6%	26.6%		73.4%					58.9%	41.1%		0.7%			
Pickup	4500	1996	543	0.041	18.9	13.7	17.9	15.6		305	201	10.0	0.660	0.0447	35.3				11.9%	88.1%	19.0%		81.0%					100.0%			1.4%			
Pickup	4500	1997	611	0.042	19.8	14.2	18.8	16.3		283	212	9.6	0.753	0.0472	36.8				16.3%	83.7%	12.5%		87.5%					100.0%			1.2%			
Pickup	4500	1998	585	0.040	19.8	14.2	18.8	16.3		289	217	9.8	0.752	0.0481	36.8				9.6%	90.4%	11.4%		88.6%					100.0%			0.6%			
Pickup	4500	1999	624	0.041	19.9	14.2	18.6	16.2		287	224	9.6	0.780	0.0497	36.7				18.1%	81.9%	9.4%		90.6%					100.0%						
Pickup	4500	2000	766	0.046	20.0	14.3	18.6	16.3		281	224	9.2	0.798	0.0498	36.8				17.7%	82.3%	10.3%		89.7%					100.0%			7.3%			
Pickup	4500	2001	518	0.033	20.0	14.1	18.4	16.2		264	210	9.4	0.796	0.0468	36.6				16.0%	84.0%	11.0%		89.0%					100.0%			9.1%			
Pickup	4500	2002	556	0.034	19.8	14.0	18.2	16.0		262	213	9.5	0.811	0.0473	36.1				27.1%	72.9%	8.7%		91.3%					100.0%			15.4%			
Pickup	4500	2003	511	0.032	20.2	14.2	18.5	16.3		261	212	9.4	0.814	0.0472	36.8				27.6%	72.4%	12.5%		87.5%					100.0%			12.2%			
Pickup	4500	2004	350	0.022	20.5	14.3	18.8	16.5		257	215	9.4	0.841	0.0478	37.2				31.9%	68.1%	10.9%		89.1%					100.0%			9.1%	6.0%		
Pickup	4500	2005	374	0.024	20.8	14.3	19.2	16.7		247	227	9.0	0.924	0.0505	37.7				35.7%	64.3%	7.6%		92.4%					100.0%			38.1%	38.1%		
Pickup	4500	2006	368	0.024	21.3	14.6	19.5	17.1		240	233	8.9	0.980	0.0518	38.4				48.2%	51.8%	7.0%		93.0%					100.0%			61.1%	61.1%		
Pickup	4500	2007	252	0.017	21.4	14.7	19.5	17.1		237	233	9.0	0.993	0.0517	38.5				52.3%	47.7%	7.3%		92.7%					100.0%			56.2%	47.4%		
Pickup	4500	2008	201	0.014	21.5	14.8	19.7	17.3		234	230	9.1	0.990	0.0511	38.9				57.6%	42.4%	9.1%		90.9%					100.0%			59.4%	50.9%		
Pickup	4500	2009	105	0.011	22.1	15.2	20.1	17.7		238	239	8.7	1.008	0.0531	39.8				77.2%	22.8%	5.8%		94.2%					100.0%			84.1%	39.3%		
Pickup	4500	2010	121	0.011	22.0	15.1	20.1	17.6		239	242	8.7	1.016	0.0538	39.6				76.0%	24.0%	4.4%		95.6%					100.0%			85.5%	86.8%		
Pickup	4500	2011	151	0.013	21.9	15.1	20.0	17.6		240	240	8.8	1.003	0.0532	39.6				72.3%	27.7%	4.3%		95.7%					100.0%			79.3%	80.5%		
Pickup	4500	2012	157	0.012	22.3	15.4	20.3	17.8		243	247	8.6	1.020	0.0549	40.2				71.2%	28.8%	4.7%		95.3%					100.0%			92.2%	93.5%		
Pickup	4500	2013	130	0.009	22.9	15.8	20.8	18.3		244	240	8.7	0.987	0.0533	41.3				70.3%	29.7%	5.3%		94.7%					100.0%			90.9%	90.9%		
Pickup	4500	2014	130	0.008	23.5	16.1	21.4	18.7		244	252	8.4	1.031	0.0559	42.3				63.8%	36.2%	3.7%		96.3%				11.7%	88.3%			88.3%	100.0%		
Pickup	4500	2015	264	0.016	24.5	16.7	22.3	19.5		229	267	8.1	1.188	0.0594	44.1				62.0%	38.0%	2.9%		97.1%				35.0%	65.0%			97.3%	100.0%		
Pickup	4500	2016	456	0.028	25.7	17.6	23.3	20.4		216	281	7.8	1.308	0.0624	46.1				53.1%	46.9%	1.9%		98.1%				36.9%	62.7%		0.3%	98.6%	98.6%		
Pickup	4500	2017	-	0.025	26.1	17.8	23.5	20.6		212	280	7.7	1.328	0.0621	46.6			4.6%	59.9%	35.5%	2.0%		98.0%				42.0%	57.2%		0.8%	99.0%	98.9%		

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	5000	1975	122	0.012	11.0	9.0	9.7	9.3		371	165		0.443	0.0331	23.4				26.4%	73.6%	27.9%	72.1%				100.0%							
Pickup	5000	1976	188	0.015	11.7	9.6	10.3	9.9		367	159		0.430	0.0318	24.9				26.9%	73.1%	28.8%	71.2%				100.0%							
Pickup	5000	1977	172	0.012	12.9	10.6	11.4	11.0		378	167		0.440	0.0334	27.5				23.5%	76.5%	24.6%	75.4%				100.0%							
Pickup	5000	1978	198	0.014	12.8	10.5	11.3	10.8		370	171	13.5	0.462	0.0341	27.2				36.6%	63.4%	32.8%	67.2%				100.0%				0.0%			
Pickup	5000	1979	404	0.029	12.9	10.8	11.2	11.0		372	158	15.1	0.419	0.0315	28.5				8.3%	91.7%	18.5%	81.5%				87.0%				13.0%			
Pickup	5000	1980	147	0.013	15.9	12.7	14.6	13.5		351	153	15.5	0.436	0.0306	35.2				53.2%	46.8%	21.5%	13.2%	65.3%			71.2%				28.8%			
Pickup	5000	1981	53	0.005	16.9	13.5	15.6	14.4		333	141	16.2	0.425	0.0282	37.2				55.4%	44.6%	31.1%	11.7%	57.2%			67.1%				32.9%			
Pickup	5000	1982	97	0.010	18.9	15.0	17.5	16.0		336	140	17.0	0.420	0.0280	41.8				43.4%	56.6%	26.2%	8.7%	65.1%			44.0%				56.0%			
Pickup	5000	1983	69	0.007	18.0	14.1	17.1	15.3		334	150	14.9	0.458	0.0301	39.7				65.2%	34.8%	23.9%	8.3%	66.1%		1.7%	73.6%				26.4%			
Pickup	5000	1984	85	0.006	17.4	13.6	16.6	14.8		322	155	14.5	0.487	0.0311	37.9				74.8%	25.2%	26.8%	4.8%	68.4%			85.3%				14.7%			
Pickup	5000	1985	92	0.006	16.3	12.7	15.7	13.9		322	162	14.0	0.505	0.0324	35.5				85.9%	14.1%	28.0%	10.8%	61.2%			93.2%				6.8%			
Pickup	5000	1986	93	0.006	16.3	12.7	15.6	13.8		321	162	13.5	0.507	0.0324	35.1				89.6%	10.4%	22.2%	13.8%	64.0%			92.0%		4.2%		3.8%			
Pickup	5000	1987	74	0.005	16.0	12.5	15.0	13.6		332	183	12.7	0.550	0.0366	34.2				95.4%	4.6%	31.5%	21.5%	47.0%			18.9%		20.5%	58.7%	2.0%			
Pickup	5000	1988	165	0.011	16.4	12.6	15.7	13.9		342	193	12.3	0.565	0.0387	35.0				74.8%	25.2%	17.8%	20.8%	61.4%			1.3%		25.5%	71.2%	2.1%			
Pickup	5000	1989	129	0.009	16.0	12.4	15.0	13.5		323	187	12.1	0.588	0.0373	34.0				78.9%	21.1%	27.4%	15.7%	56.9%					43.5%	55.1%	1.4%			
Pickup	5000	1990	223	0.018	16.4	12.4	15.9	13.8		337	198	10.9	0.591	0.0397	34.9				65.5%	34.5%	13.4%	3.9%	82.7%					23.9%	75.3%	0.8%			
Pickup	5000	1991	138	0.011	16.2	12.2	15.4	13.5		333	198	11.0	0.598	0.0396	34.1				86.9%	13.1%	17.5%	4.3%	78.2%					31.2%	67.9%	0.9%			
Pickup	5000	1992	235	0.019	16.7	12.4	16.2	14.0		330	189	11.2	0.571	0.0377	35.2				78.2%	21.8%	14.7%	0.2%	85.1%					43.8%	55.8%	0.4%			
Pickup	5000	1993	258	0.020	16.9	12.5	16.3	14.1		333	199	10.0	0.599	0.0399	35.4				86.6%	13.4%	13.7%		86.3%					38.8%	61.2%				
Pickup	5000	1994	414	0.029	17.0	12.5	16.2	14.1		336	202	9.9	0.601	0.0404	35.4				87.0%	13.0%	10.0%		90.0%					45.0%	55.0%				
Pickup	5000	1995	453	0.030	16.8	12.3	16.1	14.0		337	202	10.1	0.601	0.0405	35.1				83.9%	16.1%	11.0%		89.0%					52.3%	47.7%				
Pickup	5000	1996	390	0.030	17.3	12.5	16.7	14.4		334	225	9.9	0.675	0.0451	36.1				70.7%	29.3%	7.8%		92.1%		0.0%			99.8%		0.2%			
Pickup	5000	1997	573	0.040	18.2	13.1	17.4	15.0		319	229	9.8	0.722	0.0459	37.7				60.1%	39.9%	5.7%		94.3%					100.0%		0.0%			
Pickup	5000	1998	524	0.036	17.6	12.6	17.0	14.6		327	236	9.9	0.724	0.0473	36.5				75.5%	24.5%	5.1%		94.9%					100.0%		0.0%			
Pickup	5000	1999	628	0.041	18.1	13.0	17.0	14.9		322	245	9.7	0.763	0.0491	37.2				73.5%	26.5%	2.6%		97.4%					100.0%					
Pickup	5000	2000	707	0.043	18.4	13.2	17.0	15.0		317	252	9.1	0.797	0.0504	37.6				78.9%	21.1%	1.6%		98.4%					100.0%			8.9%		
Pickup	5000	2001	929	0.060	18.6	13.2	17.3	15.1		314	255	8.8	0.813	0.0509	38.0				46.9%	53.1%	1.7%		98.3%					100.0%			4.1%		
Pickup	5000	2002	780	0.048	18.7	13.2	17.1	15.1		305	261	8.9	0.854	0.0521	37.9				51.3%	48.7%	2.0%		98.0%					100.0%			5.5%		
Pickup	5000	2003	870	0.055	18.9	13.3	17.2	15.3		305	259	8.8	0.852	0.0518	38.2				49.6%	50.4%	1.5%		98.5%					100.0%			4.7%		
Pickup	5000	2004	707	0.045	19.2	13.4	17.4	15.4		311	269	8.7	0.862	0.0537	38.6				46.5%	53.5%	1.4%		98.6%					100.0%			9.1%	0.3%	0.0%
Pickup	5000	2005	679	0.043	19.4	13.4	17.8	15.6		304	272	8.5	0.892	0.0545	39.1				33.5%	66.5%	2.3%		97.7%					100.0%			15.0%	15.0%	0.1%
Pickup	5000	2006	608	0.040	19.9	13.8	18.1	16.0		297	265	8.7	0.891	0.0530	40.0				28.9%	71.1%	3.8%		96.2%					100.0%			20.2%	20.2%	0.1%
Pickup	5000	2007	444	0.029	20.0	13.7	18.5	16.1		282	245	9.3	0.866	0.0489	40.3				17.1%	82.9%	3.2%		96.8%					100.0%			10.3%	20.8%	0.1%
Pickup	5000	2008	257	0.019	20.3	14.0	18.7	16.3		270	233	9.7	0.862	0.0466	40.9				16.1%	83.9%	1.8%		98.2%					100.0%			8.3%	1.7%	
Pickup	5000	2009	98	0.011	20.8	14.3	19.1	16.7		275	244	9.2	0.885	0.0488	41.7				18.3%	81.7%	0.1%		99.9%					100.0%			10.7%	5.3%	
Pickup	5000	2010	110	0.010	20.9	14.3	19.4	16.8		271	247	9.2	0.912	0.0495	42.1				26.1%	73.9%	1.1%		98.9%					100.0%			17.5%	28.6%	
Pickup	5000	2011	106	0.009	21.4	14.7	19.9	17.2		271	271	8.7	1.002	0.0541	43.3				27.2%	72.8%			100.0%				0.2%	99.8%			36.2%	62.9%	
Pickup	5000	2012	126	0.009	21.5	14.7	20.0	17.3		274	288	8.3	1.053	0.0575	43.4				30.8%	69.2%			100.0%				0.6%	99.4%			39.3%	66.0%	
Pickup	5000	2013	156	0.010	22.3	15.2	20.7	17.9		262	289	8.2	1.108	0.0577	45.1				30.6%	69.4%			100.0%				0.6%	99.4%			57.7%	78.3%	
Pickup	5000	2014	204	0.013	23.9	16.3	22.2	19.2		264	300	7.8	1.143	0.0599	48.2				24.8%	75.2%			100.0%				45.2%	54.8%			45.3%	100.0%	
Pickup	5000	2015	488	0.029	23.7	16.1	21.8	19.0		242	349	7.0	1.507	0.0697	47.7				67.0%	33.0%	0.0%		100.0%				62.2%	37.8%			85.1%	71.4%	
Pickup	5000	2016	521	0.032	23.8	16.2	21.9	19.0		237	344	7.1	1.520	0.0688	47.9				69.3%	30.7%	0.1%		99.9%				58.7%	39.1%		2.2%	88.1%	69.3%	
Pickup	5000	2017	-	0.027	24.3	16.5	22.4	19.4		238	347	6.8	1.529	0.0694	48.9				65.0%	35.0%	0.0%		100.0%				62.2%	36.2%		1.6%	85.9%	73.7%	

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine							Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	5500	1975	53	0.005	10.0	8.3	8.7	8.5		374	171		0.452	0.0310	23.4				84.9%	15.1%	1.1%	98.9%				100.0%							
Pickup	5500	1976	102	0.008	11.4	9.3	10.2	9.7		383	171		0.443	0.0311	26.8				87.1%	12.9%	2.9%	97.1%				100.0%							
Pickup	5500	1977	91	0.006	11.8	9.7	10.4	10.0		396	183		0.458	0.0333	27.8				76.0%	24.0%	1.0%	99.0%				100.0%							
Pickup	5500	1978	120	0.008	12.1	10.0	10.8	10.3		377	172	14.6	0.457	0.0312	28.4				91.0%	9.0%	0.4%	99.6%				100.0%				0.0%			
Pickup	5500	1979	83	0.006	11.3	9.5	9.8	9.6		401	192	13.7	0.473	0.0348	26.8				3.9%	96.1%	40.8%	59.2%				99.9%				0.1%			
Pickup	5500	1980	14	0.001	13.3	10.7	12.2	11.3		353	165	15.3	0.467	0.0299	31.3				84.0%	16.0%	44.1%	15.1%	40.9%			100.0%							
Pickup	5500	1981	2	0.000	13.3	10.5	12.4	11.3		351	143	16.5	0.407	0.0260	31.1				44.3%	55.7%	62.0%	38.0%				100.0%							
Pickup	5500	1982	17	0.002	22.4	17.5	21.3	19.1		350	130	18.8	0.371	0.0236	52.4				100.0%		16.7%		83.3%							100.0%			
Pickup	5500	1983	10	0.001	22.1	17.3	21.2	18.9		379	130	17.2	0.343	0.0236	51.9				100.0%		10.0%		90.0%							100.0%			
Pickup	5500	1984	8	0.001	21.9	17.3	20.5	18.6		379	130	17.1	0.343	0.0236	51.2				97.0%	3.0%	13.1%		86.9%							100.0%			
Pickup	5500	1985	5	0.000	21.1	16.5	20.2	18.0		379	130	16.8	0.343	0.0236	49.5				83.2%	16.8%	11.9%		88.1%							100.0%			
Pickup	5500	1986	3	0.000	21.1	16.4	20.1	17.9		379	130	16.1	0.343	0.0236	49.3				84.4%	15.6%	14.5%		85.5%							100.0%			
Pickup	5500	1987	1	0.000	21.1	16.3	20.1	17.9		379	130	16.3	0.343	0.0236	49.1				80.0%	20.0%	7.7%		92.3%							100.0%			
Pickup	5500	1988	1	0.000	16.9	13.4	15.2	14.2		363	178	13.7	0.495	0.0324	40.7				97.8%	2.2%	62.7%		37.3%						54.9%	45.1%			
Pickup	5500	1989	1	0.000	19.2	14.8	17.9	16.1		370	153	14.8	0.417	0.0278	45.4				100.0%		36.0%		64.0%						31.7%	68.3%			
Pickup	5500	1990	1	0.000	18.6	14.3	17.2	15.6		370	159	13.4	0.434	0.0289	44.1				94.8%	5.2%	41.0%		59.0%						32.0%	68.0%			
Pickup	5500	1991	3	0.000	17.5	13.2	16.7	14.7		364	176	12.8	0.489	0.0321	41.7				97.5%	2.5%	8.7%		91.3%						52.2%	47.8%			
Pickup	5500	1992	9	0.001	16.3	12.2	15.6	13.7		353	200	11.2	0.570	0.0364	38.1				99.6%	0.4%	30.4%	0.4%	69.2%						0.7%	86.5%	12.8%			
Pickup	5500	1993	9	0.001	17.0	12.6	16.3	14.2		352	199	10.7	0.569	0.0363	39.4				99.9%	0.1%	13.3%		86.7%						16.0%	84.0%			
Pickup	5500	1994	21	0.001	16.9	12.5	15.9	14.1		364	205	10.3	0.568	0.0373	39.0				95.5%	4.5%	14.9%		85.1%						47.8%	52.2%			
Pickup	5500	1995	29	0.002	15.9	11.6	15.2	13.2		358	215	10.3	0.605	0.0392	36.5				96.8%	3.2%	9.4%		90.6%						79.9%	20.1%			
Pickup	5500	1996	65	0.005	15.3	11.0	15.0	12.8		345	225	10.5	0.655	0.0410	35.3				99.1%	0.9%	3.9%		95.3%		0.8%				96.2%		3.8%			
Pickup	5500	1997	275	0.019	17.0	12.1	16.6	14.1		347	240	10.0	0.693	0.0437	38.9				99.8%	0.2%	0.7%		99.3%						99.8%		0.2%			
Pickup	5500	1998	112	0.008	16.4	11.7	16.0	13.6		330	226	10.7	0.684	0.0410	37.5				94.7%	5.3%	3.9%		96.1%						99.7%		0.3%			
Pickup	5500	1999	130	0.009	16.3	11.5	15.9	13.5		344	242	10.2	0.705	0.0441	37.1				93.1%	6.9%	3.5%		96.5%						100.0%					
Pickup	5500	2000	71	0.004	16.3	11.3	15.9	13.4		347	245	9.7	0.706	0.0445	37.0				86.5%	13.5%	2.3%		97.7%						100.0%					
Pickup	5500	2001	258	0.017	16.3	11.5	15.5	13.4		340	251	9.4	0.740	0.0456	36.9				97.9%	2.1%	1.8%		98.2%						100.0%					
Pickup	5500	2002	279	0.017	17.0	11.9	16.0	13.9		322	255	9.5	0.795	0.0464	38.4				73.7%	26.3%	1.1%		98.9%						100.0%					
Pickup	5500	2003	270	0.017	17.2	12.1	15.9	13.9		319	264	9.1	0.827	0.0479	38.4				65.7%	34.3%	0.9%		99.1%						100.0%					
Pickup	5500	2004	538	0.034	17.9	12.5	16.5	14.5		316	287	8.8	0.901	0.0521	40.0				43.4%	56.6%	0.8%		99.2%						100.0%			27.5%	21.5%	0.0%
Pickup	5500	2005	549	0.035	18.3	12.6	16.8	14.7		319	292	8.6	0.913	0.0531	40.6				60.5%	39.5%	0.5%		99.5%						100.0%			33.0%	33.0%	0.1%
Pickup	5500	2006	570	0.038	18.7	13.0	17.3	15.1		313	283	8.8	0.902	0.0515	41.6				56.6%	43.4%	0.3%		99.7%						100.0%			33.4%	33.4%	0.3%
Pickup	5500	2007	688	0.045	19.5	13.5	18.0	15.7		317	297	8.6	0.934	0.0541	43.3				48.5%	51.5%	0.2%		99.8%						100.0%			23.7%	23.7%	0.0%
Pickup	5500	2008	707	0.051	20.1	13.7	18.6	16.2		319	311	8.5	0.974	0.0566	44.9				46.9%	53.1%	0.2%		99.8%						100.0%			18.5%	18.6%	
Pickup	5500	2009	461	0.050	20.4	13.9	19.2	16.5		317	309	8.1	0.974	0.0561	45.4				46.1%	53.9%			100.0%						100.0%			15.5%	17.4%	
Pickup	5500	2010	532	0.048	20.8	14.1	19.7	16.8		315	313	8.0	0.994	0.0569	46.4				44.3%	55.7%			100.0%						100.0%			32.6%	77.5%	
Pickup	5500	2011	697	0.058	21.1	14.4	20.1	17.1		311	328	7.8	1.064	0.0596	47.3				55.4%	44.6%			100.0%				3.9%	96.1%				21.6%	94.6%	
Pickup	5500	2012	623	0.046	21.0	14.3	20.0	17.0		316	338	7.6	1.081	0.0615	47.1				57.1%	42.9%			100.0%				4.2%	95.8%				22.3%	96.8%	
Pickup	5500	2013	693	0.046	21.5	14.6	20.4	17.4		311	342	7.5	1.117	0.0622	48.0				52.4%	47.6%			100.0%				5.9%	94.1%				29.6%	98.6%	
Pickup	5500	2014	858	0.055	23.0	15.6	21.6	18.6		310	342	7.4	1.116	0.0622	51.2				55.8%	44.2%			100.0%				63.4%	36.6%				23.5%	99.9%	
Pickup	5500	2015	724	0.043	23.2	15.7	21.8	18.7		323	344	7.4	1.066	0.0625	51.5				72.6%	27.4%			100.0%				70.6%	29.2%		0.2%		5.8%	99.8%	
Pickup	5500	2016	526	0.032	22.8	15.4	21.4	18.3		319	346	7.2	1.101	0.0630	50.6				69.2%	30.8%			100.0%				48.9%	50.9%		0.2%		14.9%	99.2%	0.1%
Pickup	5500	2017	-	0.036	22.9	15.4	21.6	18.4		322	357	7.1	1.115	0.0649	50.8				58.6%	41.4%			100.0%				51.1%	48.8%		0.2%		11.9%	99.3%	0.1%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-Ton-MPG	Drivetrain			Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG		Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel			
Pickup	6000	1975																														
Pickup	6000	1976																														
Pickup	6000	1977																														
Pickup	6000	1978	0	0.000	12.6	10.4	11.1	10.7		325	154	16.8	0.474	0.0256	32.3				3.7%	96.3%	77.6%	22.4%				100.0%							
Pickup	6000	1979	7	0.001	10.9	9.0	9.7	9.3		390	153	17.4	0.386	0.0255	27.9				62.2%	37.8%		100.0%				100.0%							
Pickup	6000	1980	0	0.000	9.9	8.1	8.8	8.4		350	155	16.9	0.443	0.0258	25.2					100.0%			100.0%			100.0%							
Pickup	6000	1981																														
Pickup	6000	1982																														
Pickup	6000	1983																														
Pickup	6000	1984																														
Pickup	6000	1985	0	0.000	19.6	16.0	17.5	16.6		379	130	17.3	0.343	0.0217	49.8				100.0%		100.0%									100.0%			
Pickup	6000	1986																														
Pickup	6000	1987																														
Pickup	6000	1988	0	0.000	19.6	16.1	16.7	16.4		379	140	16.2	0.369	0.0233	49.2				100.0%		100.0%									100.0%			
Pickup	6000	1989	0	0.000	21.2	17.3	18.0	17.6		379	126	16.8	0.332	0.0210	52.8				100.0%		100.0%									100.0%			
Pickup	6000	1990	0	0.000	20.5	16.4	17.8	17.0		379	135	15.0	0.356	0.0225	51.1				100.0%		100.0%									100.0%			
Pickup	6000	1991	0	0.000	19.5	15.6	16.7	16.1		379	140	14.8	0.369	0.0233	48.4				100.0%		100.0%									100.0%			
Pickup	6000	1992																														
Pickup	6000	1993																														
Pickup	6000	1994	3	0.000	18.1	13.6	16.7	15.0		395	180	11.7	0.455	0.0299	45.1				100.0%		1.0%		99.0%					100.0%					
Pickup	6000	1995	3	0.000	18.1	13.4	16.9	15.0		395	180	12.0	0.455	0.0300	45.0				100.0%		0.5%		99.5%					100.0%					
Pickup	6000	1996	0	0.000	18.7	13.7	17.4	15.4		395	180	12.9	0.456	0.0300	46.2				100.0%				100.0%							100.0%			
Pickup	6000	1997	1	0.000	18.7	13.7	17.3	15.4		395	180	12.8	0.456	0.0300	46.1				100.0%				100.0%							100.0%			
Pickup	6000	1998	46	0.003	15.6	10.9	15.6	13.0		359	234	11.0	0.651	0.0389	38.9				100.0%		0.5%		99.5%					98.4%		1.6%			
Pickup	6000	1999	200	0.013	16.8	12.0	16.1	13.9		350	254	10.4	0.727	0.0424	41.6				100.0%		0.1%		99.9%					100.0%		0.0%			
Pickup	6000	2000	2	0.000	15.8	10.8	16.0	13.1		352	242	10.2	0.688	0.0404	39.3				100.0%		3.0%		97.0%					100.0%					
Pickup	6000	2001	6	0.000	15.8	10.9	15.8	13.1		343	239	10.1	0.698	0.0398	39.3				100.0%		17.0%		83.0%					100.0%					
Pickup	6000	2002	146	0.009	17.5	12.3	16.3	14.3		329	283	9.3	0.861	0.0472	42.9				71.4%	28.6%	0.1%		99.9%					100.0%			2.3%		
Pickup	6000	2003	112	0.007	17.6	12.3	16.5	14.3		329	295	9.0	0.895	0.0491	43.2				69.3%	30.7%	0.0%		100.0%					100.0%					
Pickup	6000	2004	376	0.024	18.1	12.6	16.6	14.6		324	290	9.2	0.894	0.0484	43.8				87.8%	12.2%	0.0%		100.0%					100.0%			63.9%	63.9%	
Pickup	6000	2005	311	0.020	18.0	12.5	16.4	14.5		325	294	9.1	0.901	0.0490	43.5				88.6%	11.4%	0.0%		100.0%					100.0%			68.0%	68.0%	
Pickup	6000	2006	260	0.017	17.6	12.3	16.1	14.2		329	298	9.0	0.906	0.0497	42.7				93.0%	7.0%	0.0%		100.0%					100.0%			83.0%	83.0%	
Pickup	6000	2007	430	0.028	18.5	12.8	17.2	15.0		333	325	8.5	0.974	0.0541	45.0				83.6%	16.4%			100.0%					100.0%			64.5%	64.5%	
Pickup	6000	2008	355	0.026	18.7	12.8	17.4	15.1		334	334	8.5	0.999	0.0557	45.3				86.2%	13.8%			100.0%					100.0%			77.0%	78.0%	
Pickup	6000	2009	174	0.019	19.2	13.2	17.8	15.5		328	320	8.2	0.973	0.0533	46.6				94.5%	5.5%			98.8%	1.2%				100.0%			67.5%	76.8%	1.2%
Pickup	6000	2010	364	0.033	19.5	13.4	18.0	15.7		326	324	8.2	0.991	0.0539	47.1				95.6%	4.4%			99.6%	0.4%				100.0%			94.1%	42.6%	0.4%
Pickup	6000	2011	317	0.026	20.3	14.0	18.8	16.4		290	358	7.7	1.278	0.0597	49.4				95.7%	4.3%			99.6%	0.4%			26.9%	73.1%			92.8%	100.0%	0.4%
Pickup	6000	2012	323	0.024	20.4	14.0	19.0	16.5		283	359	7.6	1.321	0.0599	49.7				95.6%	4.4%			99.8%	0.2%			35.0%	65.0%			95.8%	100.0%	0.2%
Pickup	6000	2013	476	0.031	20.9	14.3	19.5	16.9		272	372	7.4	1.416	0.0621	50.9				97.0%	3.0%			99.9%	0.1%			42.0%	58.0%			96.4%	100.0%	0.1%
Pickup	6000	2014	632	0.041	20.9	14.3	19.5	16.9		299	368	7.4	1.274	0.0614	50.9				96.3%	3.7%			100.0%				34.3%	65.7%			70.9%	97.9%	
Pickup	6000	2015	187	0.011	21.2	14.5	19.7	17.1		318	351	7.8	1.115	0.0586	52.4				90.6%	9.4%			100.0%				31.8%	52.1%		16.2%	63.1%	83.8%	
Pickup	6000	2016	328	0.020	21.6	14.8	20.0	17.4		320	349	7.7	1.095	0.0581	52.8				94.9%	5.1%			100.0%				56.7%	34.7%		8.6%	39.2%	91.4%	0.0%
Pickup	6000	2017	-	0.027	21.7	14.8	20.2	17.5		331	368	7.4	1.120	0.0614	52.8				85.9%	14.1%			100.0%				74.9%	22.9%		2.3%	34.0%	97.7%	0.1%

Vehicle Type	Weight Class	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Vol	Engine						Cu-Ft-	Drivetrain			Transmission					Fuel Metering					Multi-		
					Lab 55/45	Adj City	Adj Hwy	Adj Comb	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	6500	1975																														
Pickup	6500	1976																														
Pickup	6500	1977																														
Pickup	6500	1978	0	0.000	11.8	9.7	10.4	10.0		322	153	18.3	0.475	0.0235	32.6					100.0%		100.0%			100.0%							
Pickup	6500	1979																														
Pickup	6500	1980	1	0.000	12.0	9.5	11.3	10.3		368	150	18.0	0.408	0.0231	33.3					100.0%		100.0%			100.0%							
Pickup	6500	1981																														
Pickup	6500	1982																														
Pickup	6500	1983																														
Pickup	6500	1984																														
Pickup	6500	1985																														
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Pickup	6500	2002																														
Pickup	6500	2003																														
Pickup	6500	2004																														
Pickup	6500	2005	3	0.000	16.3	11.4	14.9	13.2		330	300	9.3	0.909	0.0462	42.8				100.0%				100.0%					100.0%			100.0%	100.0%	
Pickup	6500	2006	0	0.000	15.2	10.6	14.2	12.4		330	445	7.2	1.348	0.0685	40.2				100.0%				100.0%					100.0%				100.0%	
Pickup	6500	2007	0	0.000	15.1	10.6	13.9	12.2		330	445	7.2	1.348	0.0685	39.8				100.0%				100.0%					100.0%			100.0%	100.0%	
Pickup	6500	2008	0	0.000	16.0	11.0	15.0	13.0		330	445	7.3	1.348	0.0685	42.2				100.0%				100.0%					100.0%			100.0%	93.2%	
Pickup	6500	2009																														
Pickup	6500	2010																														
Pickup	6500	2011	18	0.001	16.2	11.4	14.9	13.2		378	415	7.3	1.098	0.0638	42.9				100.0%				100.0%					100.0%				100.0%	
Pickup	6500	2012	15	0.001	16.7	11.6	15.9	13.7		378	411	7.3	1.086	0.0632	44.5				100.0%				100.0%					100.0%				100.0%	
Pickup	6500	2013	20	0.001	16.7	11.6	15.9	13.7		378	411	7.3	1.086	0.0632	44.5				100.0%				100.0%					100.0%				100.0%	
Pickup	6500	2014	20	0.001	16.7	11.6	15.8	13.6		378	414	7.3	1.094	0.0637	44.4				100.0%				100.0%					100.0%			1.6%	100.0%	
Pickup	6500	2015																														
Pickup	6500	2016																														
Pickup	6500	2017																														

					Fuel Economy (MPG)						Engine							Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	Front Wheel Drive	1975	539	0.065	23.4	18.1	22.9	20.0	2790		147.0	88		0.704	0.0303	27.6			64.3%	33.2%	2.4%			82.4%		17.6%						87.4%	8.3%	4.3%
Car	Front Wheel Drive	1976	561	0.058	24.0	18.9	22.9	20.5	2844		163.1	95		0.680	0.0319	28.8			59.7%	40.3%				81.1%		18.9%						86.9%	8.8%	4.4%
Car	Front Wheel Drive	1977	774	0.068	26.2	20.3	25.5	22.3	2707	93.8	142.3	88		0.692	0.0315	30.6	2264	2876	68.2%	31.8%				65.9%		31.3%		2.8%				89.5%	6.1%	4.4%
Car	Front Wheel Drive	1978	1075	0.096	26.8	20.9	25.7	22.8	2590	94.4	129.4	82	14.5	0.693	0.0310	30.1	2308	2838	66.2%	29.6%	4.2%			65.3%		31.0%		3.6%				93.6%	4.2%	2.2%
Car	Front Wheel Drive	1979	1283	0.119	26.4	20.7	25.1	22.5	2634	94.6	137.4	84	15.9	0.674	0.0312	29.8	2211	2835	57.2%	32.6%	6.4%		3.9%	74.7%		19.6%		5.6%				87.0%	13.0%	
Car	Front Wheel Drive	1980	2804	0.297	26.9	20.8	26.3	23.0	2645	100.4	137.6	86	16.0	0.652	0.0320	30.7	2363	3087	45.5%	50.2%	2.1%		2.2%	82.2%		9.5%	1.6%	6.8%				67.8%	32.2%	
Car	Front Wheel Drive	1981	3236	0.370	28.6	22.2	27.7	24.4	2646	103.0	133.4	85	15.8	0.672	0.0321	32.6	2566	3349	45.2%	53.3%			1.6%	87.3%		5.4%	1.8%	5.4%				68.1%	31.9%	
Car	Front Wheel Drive	1982	3568	0.456	30.2	23.2	29.7	25.7	2665	101.7	126.7	83	17.3	0.677	0.0310	34.5	2658	3512	40.0%	26.8%	32.2%		1.0%	78.4%		5.0%	13.9%	2.7%				71.0%	29.0%	
Car	Front Wheel Drive	1983	3784	0.473	30.3	23.5	29.5	25.9	2682	104.2	129.5	86	15.6	0.681	0.0317	35.0	2751	3641	36.4%	23.8%	38.9%		1.0%	67.8%		5.8%	25.1%	1.3%				68.3%	31.7%	
Car	Front Wheel Drive	1984	5737	0.537	29.7	23.0	29.0	25.3	2752	105.4	133.0	90	15.2	0.694	0.0325	35.2	2725	3709	30.3%	27.3%	42.4%		0.1%	61.9%		8.6%	27.9%	1.6%				69.0%	31.0%	
Car	Front Wheel Drive	1985	6648	0.616	29.4	22.6	28.9	25.1	2825	106.5	142.3	98	14.4	0.712	0.0344	35.7	2722	3800	26.3%	25.1%	48.6%			44.8%		21.0%	33.5%	0.7%				63.3%	29.4%	7.2%
Car	Front Wheel Drive	1986	7831	0.711	29.9	22.8	29.4	25.4	2844	107.0	139.9	100	13.7	0.730	0.0347	36.4	2758	3894	27.1%	20.5%	52.4%			32.4%		33.1%	34.2%	0.3%	5.7%			62.5%	28.5%	9.1%
Car	Front Wheel Drive	1987	8267	0.770	29.7	22.6	29.1	25.2	2869	106.2	139.7	103	13.8	0.752	0.0354	36.3	2703	3855	26.1%	17.4%	56.5%			25.2%		38.0%	36.7%	0.0%	17.9%			66.3%	24.7%	9.0%
Car	Front Wheel Drive	1988	8768	0.817	30.0	22.5	29.3	25.3	2911	106.2	141.8	107	13.6	0.775	0.0364	36.9	2719	3928	25.5%	10.0%	64.6%			16.3%		48.5%	35.1%		23.1%			67.5%	23.8%	8.7%
Car	Front Wheel Drive	1989	8267	0.825	29.3	21.8	28.8	24.6	2980	107.0	146.9	115	12.7	0.803	0.0381	36.8	2666	3942	21.7%	9.5%	68.6%	0.2%		10.6%		58.0%	31.4%	0.0%	26.9%			61.0%	29.3%	9.7%
Car	Front Wheel Drive	1990	7455	0.846	28.6	21.1	28.3	24.0	3082	106.7	151.3	123	11.5	0.844	0.0397	37.1	2591	3967	19.7%	7.1%	73.1%	0.0%		1.2%		75.2%	23.6%	0.0%	34.4%			61.1%	28.8%	10.1%
Car	Front Wheel Drive	1991	7096	0.832	28.9	21.2	28.4	24.2	3046	106.3	148.8	124	11.5	0.859	0.0402	36.9	2604	3932	21.0%	5.3%	73.7%			0.0%		77.5%	22.3%	0.1%	35.4%	1.9%		64.1%	27.3%	8.5%
Car	Front Wheel Drive	1992	6551	0.808	28.4	20.5	28.2	23.7	3120	107.2	157.1	131	11.0	0.868	0.0416	37.2	2580	3987	18.5%	6.0%	75.4%	0.0%		0.0%		90.3%	9.7%	0.0%	34.5%	3.4%		61.6%	27.3%	11.1%
Car	Front Wheel Drive	1993	7195	0.851	29.0	20.8	28.5	24.1	3109	107.6	154.5	130	10.3	0.871	0.0414	37.5	2626	4045	18.7%	5.0%	76.3%					91.9%	8.1%		37.9%	3.8%		60.4%	29.7%	9.9%
Car	Front Wheel Drive	1994	7104	0.844	28.9	20.7	28.5	24.0	3143	107.6	152.7	133	10.2	0.895	0.0417	37.8	2613	4068	17.4%	3.8%	78.8%					93.9%	6.1%		43.8%	7.7%		61.3%	26.3%	12.4%
Car	Front Wheel Drive	1995	7701	0.820	29.2	20.6	28.9	24.2	3155	108.6	154.3	144	10.0	0.956	0.0450	38.2	2656	4152	16.8%	0.9%	82.4%					98.6%	1.4%		53.7%	9.9%		60.4%	27.5%	12.1%
Car	Front Wheel Drive	1996	6829	0.865	29.0	20.3	28.5	23.9	3200	108.7	153.2	147	10.3	0.974	0.0454	38.3	2620	4160	14.6%	1.0%	84.4%	0.0%				98.7%	1.3%	0.1%	61.1%	11.6%		56.2%	33.3%	10.6%
Car	Front Wheel Drive	1997	7213	0.865	29.1	20.3	28.6	23.9	3197	108.3	153.0	149	10.2	0.985	0.0459	38.3	2612	4151	13.1%	0.7%	86.1%	0.1%				99.0%	0.9%	0.0%	60.8%	9.7%		56.9%	31.1%	12.0%
Car	Front Wheel Drive	1998	6937	0.870	29.2	20.2	28.5	23.9	3243	108.9	154.5	152	10.4	0.998	0.0462	38.8	2621	4226	11.5%	0.4%	88.0%	0.1%				99.7%	0.2%	0.2%	62.7%	17.3%		48.8%	41.4%	9.8%
Car	Front Wheel Drive	1999	7303	0.872	28.7	19.8	28.0	23.5	3307	109.2	157.0	156	10.3	1.010	0.0467	38.8	2580	4249	10.0%	0.6%	89.4%	0.0%				99.8%	0.1%	0.1%	66.3%	15.9%		47.4%	42.1%	10.5%
Car	Front Wheel Drive	2000	7750	0.849	28.8	19.7	27.9	23.4	3313	110.3	155.9	158	9.8	1.030	0.0473	38.8	2596	4284	9.7%	0.9%	89.3%	0.0%				99.7%		0.3%	66.5%	22.5%	0.1%	46.5%	36.1%	17.4%
Car	Front Wheel Drive	2001	7069	0.841	29.2	19.9	28.0	23.6	3312	110.2	155.4	158	9.6	1.034	0.0474	39.3	2631	4333	9.9%	1.0%	88.8%	0.3%				99.7%		0.3%	67.3%	26.6%	0.3%	50.1%	34.0%	15.9%
Car	Front Wheel Drive	2002	7050	0.849	29.5	20.0	27.9	23.7	3320	111.4	156.9	163	9.6	1.056	0.0486	39.5	2662	4400	9.5%	0.2%	89.8%	0.5%				99.5%		0.5%	69.7%	33.7%	0.4%	45.7%	38.9%	15.4%
Car	Front Wheel Drive	2003	6494	0.820	30.1	20.2	28.4	24.1	3320	111.0	154.3	163	9.4	1.077	0.0488	40.2	2703	4467	10.1%		88.8%	1.1%				99.5%		0.5%	73.8%	41.9%	0.7%	48.7%	36.3%	15.0%
Car	Front Wheel Drive	2004	6093	0.808	30.2	20.1	28.5	24.1	3357	111.6	157.2	169	9.2	1.096	0.0499	40.7	2721	4541	8.5%	0.3%	89.6%	1.7%				99.6%		0.4%	78.2%	43.9%	1.2%	45.3%	39.0%	15.7%
Car	Front Wheel Drive	2005	6402	0.798	31.1	20.6	28.9	24.7	3337	111.9	152.8	165	9.2	1.097	0.0490	41.5	2804	4652	8.2%	0.1%	88.9%	2.7%				99.5%		0.5%	78.7%	54.1%	2.6%	43.7%	41.9%	14.3%
Car	Front Wheel Drive	2006	6056	0.758	30.9	20.5	28.9	24.6	3398	111.9	155.7	174	9.1	1.131	0.0505	42.1	2792	4715	8.3%	0.0%	88.9%	2.8%				99.3%		0.7%	81.3%	62.3%	2.0%	46.4%	36.3%	17.2%
Car	Front Wheel Drive	2007	6506	0.805	32.0	21.3	29.6	25.3	3397	111.2	151.5	171	9.2	1.141	0.0498	43.5	2876	4846	7.1%		80.4%	12.5%			0.3%	99.7%			85.5%	67.7%	4.2%	43.4%	43.2%	13.3%
Car	Front Wheel Drive	2008	5689	0.777	32.4	21.5	30.0	25.6	3404	110.9	150.5	173	9.2	1.157	0.0501	44.1	2907	4903	6.9%		78.3%	14.7%			2.0%	98.0%			88.4%	66.9%	4.3%	44.0%	37.9%	18.1%
Car	Front Wheel Drive	2009	4655	0.826	33.8	22.4	30.9	26.5	3364	111.0	142.6	167	9.2	1.174	0.0489	45.0	2993	5002	6.2%		80.7%	13.1%			1.8%	97.4%		0.8%	93.2%	82.8%	3.6%	45.9%	38.0%	16.1%
Car	Front Wheel Drive	2010	4946	0.816	35.4	23.5	32.0	27.7	3351	111.2	140.2	165	9.2	1.181	0.0489	47.6	3174	5305	4.4%	2.0%	76.1%	17.4%			3.1%	95.7%		1.2%	95.4%	94.4%	7.6%	47.6%	40.6%	11.9%
Car	Front Wheel Drive	2011	4496	0.783	35.0	23.0	31.8	27.3	3431	112.5	143.6	174	8.9	1.223	0.0502	47.7	3140	5365	4.2%	0.3%	80.8%	14.7%			12.2%	86.4%		1.2%	94.5%	95.3%	5.1%	32.9%	48.5%	18.7%
Car	Front Wheel Drive	2012	6220	0.841	37.1	24.4	33.2	28.8	3348	111.4	136.2	169	8.9	1.247	0.0500	49.2	3288	5491	4.9%	2.1%	76.3%	16.7%			21.6%	76.8%		1.4%	99.1%	97.8%	6.9%			
Car	Front Wheel Drive	2013	6715	0.816	38.5	25.4	34.3	29.8	3357	111.3	133.3	172	8.8	1.301	0.0508	51.8	3441	5781	4.6%	2.3%	71.1%	22.0%			32.1%	65.8%		1.6%	98.9%	97.4%	8.4%			
Car	Front Wheel Drive	2014	6055	0.793	38.9	25.5	34.3	29.9	3363	112.2	132.3	171	8.8	1.302	0.0503	51.5	3447	5784	3.8%	3.0%	59.3%	33.9%			37.3%	60.8%		1.6%	98.8%	97.2%	7.1%			
Car	Front Wheel Drive	2015	6182	0.783	40.1	26.1	35.3	30.7	3350	112.7	131.4	169	8.8	1.293	0.0498	53.0			3.6%	2.3%	56.4%	37.7%			38.3%	59.7%		1.2%	98.5%	97.2%	6.6%			
Car	Front Wheel Drive	2016	5589	0.784	40.4	26.2	35.6	30.9	3328	113.1	128.3	170	8.7	1.342	0.0505	52.9			2.8%	5.0%	56.4%	35.8%			47.2%	52.2%			99.4%	99.4%	4.9%			
Car	Front Wheel Drive	2017	-	0.768	42.0	27.5	36.3	31.9	3346	113.5	127.1	167	8.7	1.337	0.0495	56.4			3.9%	5.1%	49.6%	41.3%			47.8%	50.8%		0.2%	98.7%	98.4%	9.4%			

					Fuel Economy (MPG)						Engine								Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	Rear Wheel Drive	1975	7698	0.935	15.4	12.0	14.8	13.2	4146		298.2	140		0.502	0.0333	27.5			16.5%	83.4%	0.1%			95.5%		4.3%		0.3%				53.2%	24.4%	22.4%
Car	Rear Wheel Drive	1976	9161	0.942	17.2	13.5	16.3	14.6	4133		294.1	136		0.491	0.0325	30.3			14.5%	85.5%				97.5%		2.2%		0.3%				53.5%	26.2%	20.3%
Car	Rear Wheel Drive	1977	10526	0.932	17.9	14.1	17.0	15.3	4034	111.6	289.2	137		0.504	0.0336	31.0	1744	3464	13.0%	87.0%				97.5%		2.2%		0.3%				49.2%	25.9%	24.9%
Car	Rear Wheel Drive	1978	10100	0.904	19.4	15.1	18.6	16.5	3694	110.6	264.4	129	13.6	0.522	0.0345	30.6	1865	3399	14.9%	77.7%	7.4%			97.1%		2.3%		0.6%				39.5%	37.6%	23.0%
Car	Rear Wheel Drive	1979	9474	0.878	19.6	15.4	18.6	16.7	3604	110.8	252.7	124	14.3	0.527	0.0342	30.2	1882	3366	15.9%	75.0%	9.2%			95.6%		2.7%		1.6%				37.6%	37.2%	25.2%
Car	Rear Wheel Drive	1980	6554	0.694	22.3	17.4	21.4	19.0	3296	105.9	209.5	107	15.3	0.554	0.0323	31.5	2043	3359	24.4%	52.2%	23.4%			91.4%		4.9%	0.3%	3.5%				48.0%	35.7%	16.2%
Car	Rear Wheel Drive	1981	5436	0.622	23.5	18.3	22.6	20.0	3333	108.6	211.1	107	15.4	0.548	0.0320	33.5	2203	3670	20.3%	26.5%	53.3%			83.9%		6.6%	3.1%	6.3%				41.0%	39.4%	19.6%
Car	Rear Wheel Drive	1982	4188	0.536	23.3	18.0	22.8	19.9	3384	109.9	216.2	112	16.1	0.553	0.0330	33.9	2217	3762	19.5%	12.5%	68.0%			78.0%		9.2%	6.4%	6.4%				43.6%	33.1%	23.4%
Car	Rear Wheel Drive	1983	3973	0.496	22.5	17.2	22.4	19.2	3547	113.6	235.9	123	14.0	0.549	0.0346	34.3	2200	3916	14.3%	9.3%	76.4%			69.5%		13.5%	14.1%	2.9%				35.7%	33.9%	30.4%
Car	Rear Wheel Drive	1984	4831	0.453	23.1	17.6	23.1	19.7	3514	110.1	233.9	125	13.7	0.569	0.0356	34.9	2190	3857	16.1%	6.2%	77.7%			54.6%		22.8%	20.8%	1.8%				42.7%	28.0%	29.2%
Car	Rear Wheel Drive	1985	3918	0.363	23.5	17.9	23.6	20.1	3576	110.6	239.7	135	12.9	0.600	0.0378	36.0	2226	4010	15.1%	7.9%	77.0%			44.5%		22.9%	31.3%	1.3%				40.8%	29.2%	30.0%
Car	Rear Wheel Drive	1986	3068	0.279	23.8	18.0	24.0	20.3	3547	107.7	239.2	139	12.0	0.625	0.0393	36.0	2191	3919	17.0%	8.5%	74.4%			38.8%		46.0%	14.9%	0.3%	2.5%			50.6%	27.2%	22.1%
Car	Rear Wheel Drive	1987	2347	0.219	23.5	17.6	23.9	20.0	3608	107.7	241.5	147	11.8	0.660	0.0409	36.2	2163	3936	18.3%	8.7%	73.0%			30.2%		58.9%	9.8%	1.0%	4.0%			52.0%	24.0%	24.1%
Car	Rear Wheel Drive	1988	1879	0.175	23.5	17.4	23.9	19.9	3689	110.8	248.5	157	11.6	0.675	0.0428	36.9	2221	4141	16.1%	7.8%	76.2%			15.8%		78.8%	5.3%	0.0%	4.5%			51.1%	16.2%	32.7%
Car	Rear Wheel Drive	1989	1654	0.165	23.6	17.4	24.0	20.0	3708	111.7	243.9	153	11.4	0.675	0.0415	37.1	2241	4199	14.9%	9.1%	75.9%			5.9%		83.3%	10.7%	0.0%	10.8%			43.4%	23.1%	33.5%
Car	Rear Wheel Drive	1990	1268	0.144	23.6	17.3	23.7	19.9	3724	108.5	234.9	159	10.5	0.732	0.0429	37.1	2160	4080	17.5%	9.2%	73.4%			2.6%		90.5%	6.8%	0.2%	22.1%	4.2%		41.1%	29.8%	29.1%
Car	Rear Wheel Drive	1991	1310	0.154	24.0	17.4	24.3	20.2	3726	109.3	240.3	177	9.9	0.783	0.0475	37.7	2208	4177	15.7%	8.9%	75.4%					79.5%	20.1%	0.5%	22.4%	5.6%		44.0%	22.4%	33.7%
Car	Rear Wheel Drive	1992	1467	0.181	24.6	17.8	24.6	20.6	3760	113.6	227.8	179	9.8	0.834	0.0475	38.7	2346	4452	10.6%	6.4%	83.1%					85.7%	14.0%	0.3%	35.5%	10.2%		31.3%	31.8%	36.9%
Car	Rear Wheel Drive	1993	1162	0.137	24.3	17.3	24.5	20.3	3814	113.1	242.6	189	8.9	0.817	0.0497	38.7	2298	4430	11.4%	6.8%	81.8%					89.4%	10.6%		24.8%	11.3%		34.4%	30.5%	35.1%
Car	Rear Wheel Drive	1994	1274	0.151	24.0	17.0	24.3	20.0	3841	111.3	252.2	198	8.5	0.819	0.0516	38.5	2233	4330	12.6%	5.4%	82.0%					99.9%		0.1%	26.2%	10.3%		42.1%	25.8%	32.1%
Car	Rear Wheel Drive	1995	1585	0.169	24.6	17.3	24.8	20.5	3784	109.0	230.5	194	9.0	0.884	0.0510	38.8	2239	4259	12.9%	6.6%	80.5%					99.6%		0.4%	41.7%	10.2%		42.5%	33.2%	24.3%
Car	Rear Wheel Drive	1996	943	0.119	24.3	16.9	24.7	20.2	3862	110.5	256.7	207	8.8	0.828	0.0535	39.0	2226	4350	14.9%	5.6%	79.6%					99.7%		0.3%	26.1%	13.2%		42.3%	20.3%	37.4%
Car	Rear Wheel Drive	1997	977	0.117	24.3	16.8	24.5	20.1	3827	109.6	244.6	210	8.7	0.882	0.0547	38.6	2204	4256	13.9%	0.2%	85.9%					99.7%		0.3%	38.2%	24.7%		43.4%	22.9%	33.8%
Car	Rear Wheel Drive	1998	855	0.107	24.5	16.9	24.4	20.2	3771	104.0	242.2	218	8.6	0.924	0.0577	38.3	2107	4003	15.7%	0.2%	84.0%					99.6%		0.4%	42.8%	27.5%		57.1%	15.4%	27.5%
Car	Rear Wheel Drive	1999	887	0.106	24.5	16.8	24.3	20.1	3798	105.7	241.7	226	8.3	0.969	0.0596	38.3	2129	4079	16.0%	0.7%	83.3%					99.5%		0.5%	44.0%	25.8%		52.1%	15.1%	32.8%
Car	Rear Wheel Drive	2000	1185	0.130	25.0	17.1	24.5	20.4	3699	103.5	229.2	228	8.0	1.020	0.0610	37.8	2128	3954	18.3%	2.4%	79.3%					99.6%	0.4%		50.9%	29.0%		56.3%	16.9%	26.8%
Car	Rear Wheel Drive	2001	1062	0.126	24.8	16.9	24.3	20.3	3716	101.4	228.0	226	7.8	1.031	0.0609	37.7	2065	3867	16.8%	0.4%	82.7%					100.0%			58.3%	38.7%		58.9%	13.8%	27.3%
Car	Rear Wheel Drive	2002	933	0.112	24.5	16.6	23.8	19.9	3783	98.6	233.7	237	7.7	1.049	0.0628	37.7	1964	3752	18.3%	0.5%	81.2%					100.0%			61.3%	36.5%		67.1%	15.1%	17.8%
Car	Rear Wheel Drive	2003	1151	0.145	24.5	16.5	23.7	19.9	3872	100.8	230.3	245	7.6	1.095	0.0636	38.5	2006	3944	15.5%		84.5%					100.0%			67.7%	39.0%		58.5%	16.7%	24.8%
Car	Rear Wheel Drive	2004	1035	0.137	24.3	16.2	23.8	19.7	3863	100.6	231.0	246	7.5	1.101	0.0641	38.2	1991	3897	17.2%	0.2%	82.6%					100.0%			62.9%	46.9%		57.3%	18.0%	24.8%
Car	Rear Wheel Drive	2005	1163	0.145	24.4	16.2	23.5	19.7	3955	104.7	236.1	258	7.4	1.142	0.0654	39.0	2068	4147	13.1%	0.2%	86.6%					99.4%		0.6%	67.6%	43.2%		47.7%	22.9%	29.3%
Car	Rear Wheel Drive	2006	1475	0.185	24.8	16.4	23.9	20.0	3950	107.1	235.3	265	7.3	1.155	0.0671	39.7	2156	4302	12.5%	0.3%	87.2%					99.6%		0.4%	74.1%	53.8%		46.6%	17.8%	35.6%
Car	Rear Wheel Drive	2007	1113	0.138	24.7	16.3	24.0	19.9	3952	102.1	237.7	275	7.1	1.193	0.0697	39.6	2044	4085	14.1%	0.1%	85.8%				0.4%	99.4%		0.2%	75.1%	55.3%	0.3%	51.2%	21.4%	27.4%
Car	Rear Wheel Drive	2008	1095	0.150	25.2	16.7	24.4	20.3	3957	103.1	230.0	273	7.3	1.217	0.0687	40.4	2105	4209	11.8%	2.2%	86.0%				5.7%	94.0%		0.3%	79.0%	54.5%	0.1%	48.5%	20.0%	31.5%
Car	Rear Wheel Drive	2009	603	0.107	25.5	16.8	24.7	20.6	3954	102.3	234.4	282	7.0	1.234	0.0710	40.9	2120	4224	10.1%	3.2%	86.7%				12.7%	86.9%		0.4%	77.9%	65.9%	0.1%	54.2%	15.9%	29.9%
Car	Rear Wheel Drive	2010	755	0.125	25.7	16.9	25.1	20.8	4004	105.4	243.8	292	6.9	1.221	0.0729	41.8	2202	4429	13.0%	1.1%	85.8%	0.0%			18.5%	81.2%		0.2%	73.1%	61.6%	0.2%	58.8%	14.3%	26.9%
Car	Rear Wheel Drive	2011	767	0.134	26.6	17.4	25.9	21.4	4018	104.5	237.1	307	6.6	1.320	0.0763	43.4	2264	4565	10.6%	2.4%	86.9%	0.1%			27.9%	70.6%		1.4%	82.9%	81.3%	0.2%	61.0%	17.9%	21.1%
Car	Rear Wheel Drive	2012	712	0.096	27.8	18.1	27.1	22.3	4017	104.6	229.3	318	6.4	1.434	0.0787	45.4	2382	4788	10.6%	3.0%	86.5%				45.1%	54.4%		0.3%	88.2%	94.5%	0.6%	53.8%	21.7%	24.4%
Car	Rear Wheel Drive	2013	880	0.107	28.6	18.6	27.6	22.9	3900	102.0	213.1	309	6.4	1.512	0.0783	45.0	2369	4630	12.6%	4.2%	83.1%	0.1%			46.9%	52.9%		0.1%	89.4%	95.4%	0.5%	61.5%	18.9%	19.6%
Car	Rear Wheel Drive	2014	954	0.125	29.4	19.1	28.6	23.6	3975	102.5	219.6	313	6.4	1.509	0.0784	50.1	2612	5212	10.0%	5.7%	84.3%	0.0%			50.0%	46.9%		1.0%	86.1%	94.1%	1.0%	58.6%	20.3%	21.1%
Car	Rear Wheel Drive	2015	908	0.115	29.1	18.9	28.4	23.3	3972	102.4	217.7	323	6.2	1.579	0.0806	48.4	2522	5004	10.7%	5.4%	83.9%	0.0%			54.7%	44.1%		0.3%	86.5%	96.6%	0.9%	61.1%	19.1%	19.8%
Car	Rear Wheel Drive	2016	800	0.112	29.3	19.1	28.6	23.5	3941	100.8	218.3	330	6.0	1.601	0.0831	49.4	2551	5068	11.6%	5.0%	83.4%	0.0%			54.3%	44.2%		0.2%	82.1%	97.8%	0.7%	59.2%	21.1%	19.7%
Car	Rear Wheel Drive	2017	-	0.110	30.6	19.9	29.2	24.3	3948	98.4	204.4	322	6.0	1.698	0.0810	55.4	2823	5619	12.5%	7.4%	80.1%	0.1%			60.6%	35.0%		0.5%	82.2%	93.0%	1.9%	65.5%	20.8%	13.7%

					Fuel Economy (MPG)					Engine								Transmission					Fuel Metering							Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car	Four Wheel Drive	1975																															
Car	Four Wheel Drive	1976																															
Car	Four Wheel Drive	1977																															
Car	Four Wheel Drive	1978																															
Car	Four Wheel Drive	1979	37	0.003	27.6	21.7	26.1	23.5	2500	100.5	97.0	67	17.5	0.691	0.0268	29.4	2360	2950	100.0%					100.0%								100.0%		
Car	Four Wheel Drive	1980	85	0.009	20.9	16.7	19.2	17.8	3149	100.8	172.6	80	18.1	0.541	0.0257	28.0	1880	2819	53.5%	46.5%				100.0%								100.0%		
Car	Four Wheel Drive	1981	62	0.007	24.3	19.4	22.5	20.7	2930	102.7	156.9	83	16.8	0.576	0.0284	30.3	2224	3117	73.3%	0.0%	26.7%			100.0%								100.0%		
Car	Four Wheel Drive	1982	63	0.008	25.3	20.1	23.4	21.5	3122	103.1	164.9	85	18.3	0.564	0.0271	33.4	2266	3439	67.5%		32.5%			100.0%								100.0%		
Car	Four Wheel Drive	1983	245	0.031	31.6	25.3	29.0	26.8	2689	98.9	118.5	75	17.2	0.675	0.0279	36.3	2722	3586	55.8%	29.7%	14.5%			99.0%		1.0%						100.0%		
Car	Four Wheel Drive	1984	107	0.010	27.6	21.9	25.9	23.5	2913	106.6	135.4	80	17.0	0.643	0.0274	34.4	2605	3672	59.2%	5.4%	35.4%			92.2%		7.8%						100.0%		
Car	Four Wheel Drive	1985	224	0.021	32.5	25.7	30.5	27.7	2584	115.8	101.4	72	17.2	0.703	0.0275	36.1	3259	4181	54.0%	9.2%	36.7%			90.2%		9.8%						93.1%	6.9%	
Car	Four Wheel Drive	1986	116	0.011	26.9	21.1	25.3	22.8	2929	113.2	120.2	92	14.5	0.789	0.0312	33.5	2618	3793	72.4%	27.6%	0.0%			65.3%		34.7%						90.3%	9.7%	
Car	Four Wheel Drive	1987	118	0.011	26.8	20.9	25.1	22.7	2928	114.7	115.4	92	14.8	0.811	0.0313	33.3	2632	3821	69.7%	29.8%	0.5%			65.5%		27.6%	6.8%		5.1%			94.9%	5.1%	
Car	Four Wheel Drive	1988	89	0.008	28.8	22.4	26.5	24.2	2827	109.2	112.2	98	14.0	0.890	0.0346	34.2	2678	3754	76.8%	17.0%	6.2%			20.5%		35.2%	44.3%		24.8%			95.3%	4.7%	
Car	Four Wheel Drive	1989	97	0.010	28.9	22.3	26.7	24.2	2845	95.3	114.8	107	12.8	0.948	0.0378	34.7	2305	3291	60.9%	23.7%	15.4%			0.9%		78.1%	21.0%		41.8%			77.1%	22.9%	
Car	Four Wheel Drive	1990	86	0.010	26.8	20.3	25.4	22.5	3234	115.7	124.9	120	12.0	0.959	0.0367	36.3	2615	4212	45.8%	6.7%	45.1%	2.4%				82.1%	17.9%		71.4%			95.0%	5.0%	
Car	Four Wheel Drive	1991	118	0.014	26.6	19.9	25.2	22.2	3289	109.5	129.9	145	11.1	1.104	0.0433	36.5	2456	4008	42.4%	9.5%	45.0%	3.1%				87.5%	12.5%		84.9%			97.3%	2.7%	
Car	Four Wheel Drive	1992	90	0.011	25.9	19.2	24.5	21.5	3492	109.1	140.3	191	9.3	1.400	0.0552	37.6	2380	4104	49.3%	12.6%	38.0%	0.1%				100.0%			62.3%			97.7%	2.3%	
Car	Four Wheel Drive	1993	100	0.012	28.0	20.7	26.3	23.2	3217	111.2	127.5	130	10.7	1.008	0.0400	37.2	2587	4156	32.6%	2.7%	63.9%	0.8%				93.4%	6.6%		85.4%			93.8%	6.2%	
Car	Four Wheel Drive	1994	36	0.004	26.2	19.2	24.7	21.6	3443	117.3	140.4	140	10.4	0.991	0.0404	37.3	2557	4385	36.5%	1.8%	61.6%					100.0%			16.7%			98.4%	1.6%	
Car	Four Wheel Drive	1995	109	0.012	27.7	20.0	26.3	22.8	3310	115.4	135.2	143	10.7	1.056	0.0430	37.7	2640	4361	30.7%		69.3%					100.0%			94.2%			55.1%	44.9%	
Car	Four Wheel Drive	1996	118	0.015	26.7	19.1	25.4	21.9	3397	118.6	145.4	153	10.3	1.045	0.0449	37.3	2624	4451	32.5%		67.5%					100.0%			84.6%	2.4%		44.4%	55.6%	
Car	Four Wheel Drive	1997	144	0.017	27.3	19.3	26.0	22.3	3397	119.3	147.2	160	9.9	1.086	0.0470	38.0	2684	4549	27.9%		72.1%					100.0%			88.7%	1.4%		45.3%	54.7%	
Car	Four Wheel Drive	1998	179	0.023	26.5	18.7	25.2	21.6	3526	120.8	149.1	169	10.0	1.136	0.0479	38.2	2627	4621	24.3%		75.7%					100.0%			98.8%	17.9%		36.7%	63.3%	
Car	Four Wheel Drive	1999	186	0.022	26.2	18.2	25.2	21.4	3558	119.8	149.2	172	9.9	1.152	0.0481	38.1	2577	4576	22.7%	0.2%	77.1%					100.0%			98.8%	22.7%		36.7%	63.3%	
Car	Four Wheel Drive	2000	190	0.021	26.3	18.4	24.7	21.3	3603	119.0	152.7	181	9.2	1.191	0.0501	38.4	2555	4588	25.4%	0.2%	74.4%					100.0%			100.0%	23.7%		32.0%	67.6%	0.3%
Car	Four Wheel Drive	2001	273	0.032	25.2	17.5	23.8	20.5	3831	115.2	156.9	200	8.7	1.292	0.0523	39.4	2375	4565	27.7%	0.5%	71.9%					100.0%			100.0%	32.9%		39.9%	59.4%	0.7%
Car	Four Wheel Drive	2002	318	0.038	25.8	17.7	24.4	20.8	3828	112.8	155.3	201	8.8	1.320	0.0528	39.9	2362	4531	27.5%	0.2%	72.2%					100.0%			100.0%	30.3%		59.5%	40.3%	0.2%
Car	Four Wheel Drive	2003	276	0.035	26.2	17.8	24.7	21.1	3801	113.4	153.7	194	9.1	1.272	0.0509	40.2	2416	4580	18.9%		81.1%					100.0%			100.0%	36.6%		60.6%	38.2%	1.1%
Car	Four Wheel Drive	2004	410	0.054	24.8	16.8	23.4	19.9	4010	117.8	173.9	219	8.6	1.278	0.0545	40.0	2359	4766	17.2%	0.2%	82.7%					100.0%			100.0%	40.8%		54.7%	28.6%	16.7%
Car	Four Wheel Drive	2005	462	0.058	25.0	16.8	23.4	20.1	3966	121.0	177.5	226	8.3	1.294	0.0568	39.8	2444	4845	14.2%		78.8%	7.0%				100.0%			98.7%	39.1%		42.3%	37.4%	20.4%
Car	Four Wheel Drive	2006	461	0.058	25.4	17.1	23.7	20.3	3994	120.0	182.6	235	8.2	1.309	0.0586	40.6	2455	4890	13.3%		81.5%	5.2%				100.0%			96.4%	59.6%		41.0%	36.8%	22.2%
Car	Four Wheel Drive	2007	463	0.057	25.6	17.1	24.0	20.5	3992	114.9	186.1	240	8.1	1.294	0.0597	41.0	2368	4721	13.7%		80.3%	6.0%				99.7%		0.3%	98.9%	53.4%		44.5%	39.3%	16.2%
Car	Four Wheel Drive	2008	535	0.073	25.9	17.3	24.3	20.7	3956	113.4	185.4	243	8.0	1.314	0.0608	41.1	2370	4663	11.3%		88.1%	0.6%			10.7%	89.1%		0.2%	99.8%	46.6%	0.4%	44.1%	45.5%	10.5%
Car	Four Wheel Drive	2009	378	0.067	26.7	17.9	24.9	21.3	3919	110.5	179.8	237	8.0	1.322	0.0599	41.8	2373	4623	9.0%	0.3%	90.7%				24.9%	75.0%		0.1%	99.6%	63.1%	0.1%	57.7%	34.5%	7.8%
Car	Four Wheel Drive	2010	359	0.059	26.7	17.8	25.0	21.3	4059	110.8	189.4	257	7.6	1.368	0.0627	43.4	2388	4819	7.2%	1.3%	81.4%	10.1%			29.6%	70.4%			99.4%	98.4%	0.0%	45.3%	43.1%	11.7%
Car	Four Wheel Drive	2011	480	0.084	27.5	18.4	25.8	22.0	4028	108.7	183.0	254	7.6	1.413	0.0625	44.5	2418	4845	8.5%	0.2%	75.8%	15.4%			37.3%	62.7%			99.0%	98.7%	0.0%	55.0%	36.7%	8.3%
Car	Four Wheel Drive	2012	461	0.062	29.4	19.6	27.4	23.4	3973	110.2	175.0	256	7.5	1.472	0.0633	47.6	2674	5269	7.3%	0.8%	66.1%	25.8%			45.1%	54.0%		0.2%	98.5%	97.4%	0.0%	48.9%	42.6%	8.5%
Car	Four Wheel Drive	2013	631	0.077	30.7	20.4	28.7	24.4	4008	110.8	172.2	265	7.3	1.560	0.0652	52.4	2924	5864	6.5%	3.1%	69.2%	21.2%			53.1%	44.0%		0.1%	95.8%	97.1%	0.0%	54.1%	28.7%	17.2%
Car	Four Wheel Drive	2014	630	0.082	30.3	20.0	28.4	24.1	4058	111.4	173.1	272	7.2	1.610	0.0661	49.8	2756	5562	4.8%	1.7%	77.5%	16.1%			61.0%	36.2%		2.5%	97.9%	97.1%	0.7%	48.8%	34.2%	17.0%
Car	Four Wheel Drive	2015	810	0.103	32.1	21.2	29.7	25.3	4007	112.3	164.9	266	7.2	1.635	0.0656	54.8	3065	6207	5.4%	3.3%	66.8%	24.5%			57.6%	39.2%		0.7%	97.6%	96.5%	0.4%	52.1%	31.9%	16.0%
Car	Four Wheel Drive	2016	741	0.104	32.6	21.6	29.9	25.7	4011	112.7	160.6	261	7.3	1.647	0.0644	56.1	3136	6375	5.9%	3.4%	69.1%	21.6%			63.2%	33.5%		0.6%	97.3%	96.7%	0.3%	49.1%	33.5%	17.3%
Car	Four Wheel Drive	2017	-	0.122	32.9	21.8	29.7	25.7	3981	113.7	153.9	252	7.5	1.660	0.0625	54.2	3093	6197	3.6%	2.8%	64.9%	28.7%			73.6%	24.2%		0.5%	98.2%	98.0%	0.5%	50.2%	35.7%	14.1%

					Fuel Economy (MPG)						Engine									Transmission					Fuel Metering							Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car SUV	Front Wheel Drive	1975																															
Car SUV	Front Wheel Drive	1976																															
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Car SUV	Front Wheel Drive	1992																															
Car SUV	Front Wheel Drive	1993																															
Car SUV	Front Wheel Drive	1994	9	0.026	20.4	15.5	18.4	16.8	4000		183.3	161	10.5	0.871	0.0401	33.7			54.8%		45.2%				100.0%			73.8%					
Car SUV	Front Wheel Drive	1995	0	0.001	25.6	18.8	23.5	21.0	3500		122.0	94	13.2	0.770	0.0269	36.7			100.0%						100.0%								
Car SUV	Front Wheel Drive	1996	18	0.063	30.6	22.4	27.9	24.9	2947		122.0	120	11.3	0.984	0.0408	36.8			23.2%		76.8%				100.0%			100.0%					
Car SUV	Front Wheel Drive	1997	73	0.203	28.7	21.0	25.7	23.2	3015		122.0	120	11.4	0.984	0.0399	35.1			28.5%		71.5%				100.0%			100.0%					
Car SUV	Front Wheel Drive	1998	47	0.103	29.1	21.2	25.8	23.4	3204		121.2	125	12.0	1.035	0.0394	37.5			13.0%		87.0%				100.0%			100.0%					
Car SUV	Front Wheel Drive	1999	75	0.154	27.5	19.9	24.4	22.1	3466		139.5	161	10.8	1.148	0.0459	38.2			5.8%		94.2%				100.0%			100.0%	29.7%				
Car SUV	Front Wheel Drive	2000	79	0.127	26.8	19.3	23.8	21.5	3561		145.3	170	10.1	1.163	0.0471	38.2			3.2%		96.8%				100.0%			100.0%	39.4%				
Car SUV	Front Wheel Drive	2001	276	0.371	25.8	17.9	24.0	20.8	3632		167.1	180	9.5	1.093	0.0496	37.8			6.3%		93.7%				100.0%			81.2%	27.0%				
Car SUV	Front Wheel Drive	2002	334	0.555	26.5	18.3	24.5	21.3	3597		163.5	176	9.7	1.087	0.0491	38.3			7.2%		92.6%	0.2%			100.0%			78.8%	32.9%				
Car SUV	Front Wheel Drive	2003	379	0.659	26.7	18.4	24.5	21.3	3574		162.4	174	9.6	1.073	0.0486	38.2			8.1%		79.0%	12.9%			100.0%			90.5%	28.2%				
Car SUV	Front Wheel Drive	2004	466	0.729	26.2	17.8	24.2	20.9	3762		181.2	191	9.2	1.059	0.0509	39.4			5.9%		85.5%	8.6%			100.0%			87.2%	43.5%				
Car SUV	Front Wheel Drive	2005	602	0.740	26.4	18.0	23.8	20.9	3734		175.7	185	9.3	1.058	0.0495	39.1			4.4%		89.5%	6.0%			100.0%			79.8%	27.0%	0.7%			
Car SUV	Front Wheel Drive	2006	584	0.777	26.7	18.2	24.2	21.2	3777		175.0	184	9.5	1.058	0.0486	40.2			3.2%		90.1%	6.7%			100.0%			88.5%	32.6%	1.4%			
Car SUV	Front Wheel Drive	2007	785	0.854	26.5	18.0	24.2	21.1	3879		178.5	204	9.1	1.145	0.0522	41.0			1.4%		94.0%	4.6%			100.0%			86.8%	47.3%	1.9%			
Car SUV	Front Wheel Drive	2008	804	0.870	27.3	18.5	24.8	21.6	3836		172.8	198	9.3	1.147	0.0514	41.7			0.8%		92.7%	6.5%			2.5%	97.5%		91.9%	54.3%	2.7%			
Car SUV	Front Wheel Drive	2009	561	0.922	28.3	19.2	25.6	22.4	3800		171.6	203	8.8	1.178	0.0532	42.7			0.6%		84.7%	14.7%			1.4%	98.6%		95.7%	75.1%	2.9%			
Car SUV	Front Wheel Drive	2010	809	0.884	29.5	19.9	26.8	23.3	3900		170.5	211	8.7	1.231	0.0538	45.7			0.2%		90.4%	9.4%			19.9%	80.1%		100.0%	99.9%	1.5%			
Car SUV	Front Wheel Drive	2011	1071	0.888	30.5	20.5	27.5	23.9	3847		165.1	205	8.8	1.233	0.0529	46.2			0.6%		90.4%	9.0%			20.8%	79.2%		100.0%	99.8%	0.6%			
Car SUV	Front Wheel Drive	2012	1032	0.816	30.7	20.5	27.6	24.0	3853		163.5	206	8.7	1.260	0.0533	46.5			0.5%		85.7%	13.7%			33.8%	66.2%		100.0%	100.0%	0.5%			
Car SUV	Front Wheel Drive	2013	1372	0.906	31.7	21.0	28.6	24.8	3929		157.4	208	8.7	1.343	0.0526	48.8			0.4%		88.8%	10.8%			45.3%	54.7%		99.9%	99.9%	0.4%			
Car SUV	Front Wheel Drive	2014	1425	0.910	32.0	21.2	28.6	24.9	3814		150.1	198	8.8	1.342	0.0517	47.7			0.8%		89.0%	10.3%			48.4%	51.5%		99.9%	99.9%	0.1%			
Car SUV	Front Wheel Drive	2015	1540	0.905	33.0	22.0	29.3	25.7	3818		149.3	196	8.9	1.331	0.0509	49.2			0.6%	0.0%	77.2%	22.2%			49.5%	50.5%		100.0%	100.0%	0.3%			
Car SUV	Front Wheel Drive	2016	1597	0.854	34.0	22.7	30.0	26.4	3738		142.2	190	8.9	1.359	0.0505	49.5			0.8%	1.8%	70.2%	27.2%			47.4%	52.6%		100.0%	100.0%	0.1%			
Car SUV	Front Wheel Drive	2017	-	0.848	33.7	22.4	29.7	26.0	3842		138.6	196	8.8	1.464	0.0507	50.2			0.6%	1.8%	79.2%	18.3%			55.3%	44.7%		100.0%	100.0%	0.3%			

					Fuel Economy (MPG)						Engine								Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Car SUV	Rear Wheel Drive	1975	10	1.000	13.1	10.1	12.6	11.1	4000		261.6	113		0.430	0.0282	22.6			68.3%	31.7%				100.0%										
Car SUV	Rear Wheel Drive	1976	11	1.000	12.4	9.4	12.5	10.6	3986		263.3	123		0.467	0.0309	22.1			69.1%	30.9%				100.0%										
Car SUV	Rear Wheel Drive	1977	19	1.000	14.3	11.2	13.6	12.2	4000		261.0	124		0.477	0.0311	25.1			82.5%	17.5%				100.0%										
Car SUV	Rear Wheel Drive	1978	16	1.000	13.6	10.4	13.5	11.6	4000		262.3	126	14.2	0.481	0.0315	23.8			84.2%	15.8%				100.0%										
Car SUV	Rear Wheel Drive	1979	16	1.000	16.8	13.9	14.8	14.3	3271		185.1	99	16.4	0.576	0.0300	23.6			37.7%	58.3%	3.9%			100.0%										
Car SUV	Rear Wheel Drive	1980	0	1.000	17.2	13.9	15.5	14.6	4000		280.2	122	16.1	0.436	0.0305	29.4			3.9%	9.4%	86.8%			100.0%										
Car SUV	Rear Wheel Drive	1981	0	1.000	17.3	13.7	16.1	14.7	4000		318.0	140	14.3	0.440	0.0350	29.4					100.0%			100.0%										
Car SUV	Rear Wheel Drive	1982	13	1.000	23.4	20.2	19.3	19.8	2630		158.6	88	17.3	0.557	0.0335	26.0			4.6%	86.5%	8.9%			100.0%										
Car SUV	Rear Wheel Drive	1983	34	1.000	24.3	19.5	22.4	20.7	3124		163.0	101	15.4	0.617	0.0325	32.7			19.3%	37.6%	43.2%			100.0%										
Car SUV	Rear Wheel Drive	1984	55	1.000	22.6	17.5	22.1	19.3	3487		179.5	109	15.2	0.615	0.0313	33.9			19.4%	15.8%	64.8%			100.0%										
Car SUV	Rear Wheel Drive	1985	88	1.000	23.5	17.6	24.2	20.1	3469		170.9	109	15.1	0.637	0.0314	34.9			15.9%		84.1%			94.7%			5.3%							
Car SUV	Rear Wheel Drive	1986	59	1.000	22.3	17.1	21.7	18.9	3479		169.8	121	13.5	0.713	0.0348	33.0			18.1%		81.9%			13.1%		0.0%	86.8%	0.0%						
Car SUV	Rear Wheel Drive	1987	95	1.000	22.9	17.1	23.1	19.4	3492		178.9	131	13.0	0.730	0.0374	34.0			14.3%		85.7%					32.8%	67.2%							
Car SUV	Rear Wheel Drive	1988	109	1.000	22.7	17.1	22.5	19.2	3495		199.2	142	12.4	0.719	0.0405	33.7			24.6%		75.4%					48.2%	51.8%							
Car SUV	Rear Wheel Drive	1989	108	1.000	22.7	17.1	22.1	19.1	3497		226.0	148	11.4	0.668	0.0422	33.5			27.4%		72.6%			1.4%		44.7%	53.9%							
Car SUV	Rear Wheel Drive	1990	65	1.000	22.5	16.9	21.5	18.8	3518		208.7	146	10.9	0.714	0.0415	33.2			35.1%	1.8%	63.0%			5.1%		63.3%	31.6%							
Car SUV	Rear Wheel Drive	1991	224	1.000	21.8	16.4	20.5	18.2	3733		214.9	145	11.8	0.680	0.0385	34.0			22.2%	0.1%	77.7%			0.8%		49.3%	49.9%							
Car SUV	Rear Wheel Drive	1992	243	1.000	21.4	16.1	20.1	17.8	3713		209.9	153	11.1	0.734	0.0409	33.2			24.6%		75.4%			1.2%		68.4%	30.3%							
Car SUV	Rear Wheel Drive	1993	473	1.000	20.4	15.0	19.6	17.0	3848		238.3	179	9.5	0.757	0.0462	32.9			10.9%		89.1%			0.7%		90.6%	8.7%							
Car SUV	Rear Wheel Drive	1994	323	0.974	21.8	16.1	20.5	18.1	3728		209.5	163	9.9	0.789	0.0434	33.6			20.6%	7.8%	71.6%					91.9%	8.1%		9.8%					
Car SUV	Rear Wheel Drive	1995	220	0.999	21.5	15.7	20.5	17.8	3764		214.1	165	10.2	0.783	0.0436	33.6			17.3%		82.7%					90.8%	9.2%		19.1%					
Car SUV	Rear Wheel Drive	1996	269	0.937	22.0	15.9	20.8	18.1	3761		221.2	170	10.2	0.790	0.0451	34.1			14.9%		85.1%					100.0%			27.9%					
Car SUV	Rear Wheel Drive	1997	287	0.797	22.5	16.3	20.9	18.4	3686		206.8	169	10.1	0.847	0.0459	34.0			21.8%	7.7%	70.5%					100.0%			43.0%					
Car SUV	Rear Wheel Drive	1998	408	0.897	21.7	15.6	20.4	17.8	3895		229.5	173	10.4	0.775	0.0445	34.7			10.9%		89.1%					100.0%			21.0%					
Car SUV	Rear Wheel Drive	1999	413	0.846	22.1	15.8	20.5	18.0	3898		223.4	171	10.5	0.791	0.0439	35.1			8.9%		91.1%					100.0%			27.3%					
Car SUV	Rear Wheel Drive	2000	538	0.873	21.5	15.3	19.9	17.5	3915		221.1	174	10.0	0.812	0.0445	34.2			6.1%		93.9%					100.0%			24.4%					
Car SUV	Rear Wheel Drive	2001	467	0.629	22.1	15.7	20.1	17.8	3844		209.2	179	9.7	0.883	0.0465	34.4			6.1%		93.9%					100.0%			20.6%					
Car SUV	Rear Wheel Drive	2002	268	0.445	21.4	15.1	19.6	17.3	3935		207.6	183	9.8	0.898	0.0463	34.1			7.9%		92.1%					100.0%			59.8%					
Car SUV	Rear Wheel Drive	2003	196	0.341	21.9	15.4	20.0	17.6	3991		217.6	194	9.4	0.900	0.0486	35.3			5.4%		94.6%					100.0%			24.9%	2.9%				
Car SUV	Rear Wheel Drive	2004	151	0.237	22.4	15.4	20.7	18.0	4042		212.9	204	9.2	0.961	0.0502	36.4			6.3%		93.7%					100.0%			35.9%	11.6%				
Car SUV	Rear Wheel Drive	2005	93	0.115	21.9	14.9	20.5	17.6	4249		224.1	236	8.5	1.055	0.0552	37.5			3.3%		96.7%					100.0%			59.5%	49.9%				
Car SUV	Rear Wheel Drive	2006	103	0.137	22.4	15.2	20.9	18.0	4231		216.3	231	8.7	1.069	0.0542	38.1			4.5%		95.5%					100.0%			68.6%	46.1%				
Car SUV	Rear Wheel Drive	2007	92	0.100	22.5	15.4	20.9	18.1	4280		233.0	244	8.3	1.047	0.0569	38.7			3.9%		96.1%					100.0%			75.1%	54.5%				
Car SUV	Rear Wheel Drive	2008	71	0.076	22.7	15.4	21.3	18.3	4406		221.9	257	8.2	1.165	0.0586	40.3			0.4%		99.6%					100.0%			100.0%	94.5%				
Car SUV	Rear Wheel Drive	2009	31	0.050	23.3	15.8	21.7	18.7	4479		222.6	269	7.9	1.210	0.0600	41.9			0.2%		99.8%					100.0%			100.0%	72.2%				
Car SUV	Rear Wheel Drive	2010	25	0.028	23.3	15.8	21.6	18.7	4500		226.5	264	7.8	1.174	0.0588	42.1			0.3%		99.7%					100.0%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2011	19	0.015	23.7	16.1	22.0	19.0	4246		221.8	271	7.4	1.226	0.0639	40.3					100.0%					100.0%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2012	49	0.039	23.8	16.2	22.0	19.1	4098		219.2	233	8.4	1.069	0.0567	39.2			0.3%		99.7%					100.0%			49.3%	49.3%				
Car SUV	Rear Wheel Drive	2013	24	0.016	26.5	18.0	23.9	20.9	4429		216.8	290	7.4	1.337	0.0651	46.5			0.2%		99.8%				53.8%	46.2%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2014	20	0.013	26.7	18.1	24.6	21.3	4500		219.8	296	7.2	1.355	0.0659	48.0					100.0%				26.6%	73.4%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2015	24	0.014	27.5	18.5	25.3	21.8	4457		210.5	294	7.2	1.423	0.0659	48.9					100.0%				78.5%	21.5%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2016	22	0.012	31.7	21.2	28.4	24.8	4053		132.6	250	7.0	1.923	0.0615	50.4					100.0%				89.4%	10.6%			100.0%	100.0%				
Car SUV	Rear Wheel Drive	2017	-	0.008	31.0	20.9	27.5	24.2	4068		135.7	252	7.0	1.908	0.0618	49.4					100.0%				86.5%	13.5%			100.0%	100.0%				

Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid	Vehicle Size		
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel				Small	Midsize	Large
Car SUV	Four Wheel Drive	1975																															
Car SUV	Four Wheel Drive	1976																															
Car SUV	Four Wheel Drive	1977																															
Car SUV	Four Wheel Drive	1978																															
Car SUV	Four Wheel Drive	1979																															
Car SUV	Four Wheel Drive	1980																															
Car SUV	Four Wheel Drive	1981																															
Car SUV	Four Wheel Drive	1982																															
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Car SUV	Four Wheel Drive	2001																															
Car SUV	Four Wheel Drive	2002																															
Car SUV	Four Wheel Drive	2003																															
Car SUV	Four Wheel Drive	2004	22	0.034	20.2	13.6	19.6	16.4	4500		249.8	286	7.8	1.149	0.0636	37.0					100.0%					100.0%				100.0%	100.0%				
Car SUV	Four Wheel Drive	2005	118	0.145	23.8	16.0	22.6	19.2	4113		207.6	195	9.5	0.935	0.0472	39.4					100.0%					100.0%				11.3%	11.3%				
Car SUV	Four Wheel Drive	2006	64	0.086	23.1	15.5	21.8	18.6	4205		209.2	202	9.5	0.959	0.0477	39.0					100.0%					100.0%				100.0%	20.5%				
Car SUV	Four Wheel Drive	2007	43	0.047	23.7	15.9	22.5	19.1	4222		209.6	203	9.5	0.964	0.0478	40.3					100.0%					100.0%				22.2%	22.2%				
Car SUV	Four Wheel Drive	2008	49	0.053	23.6	15.8	22.5	19.0	4273		211.4	214	9.3	1.007	0.0499	40.5					100.0%					100.0%				36.5%	36.5%				
Car SUV	Four Wheel Drive	2009	17	0.028	23.2	15.5	22.3	18.7	4232		209.9	210	9.2	0.997	0.0496	39.6					100.0%					100.0%				32.6%	32.6%				
Car SUV	Four Wheel Drive	2010	81	0.089	27.5	18.4	25.5	21.9	4272		164.9	225	8.9	1.356	0.0524	47.0					100.0%					97.4%	2.6%			100.0%	100.0%				
Car SUV	Four Wheel Drive	2011	117	0.097	26.0	17.3	24.5	20.8	4229		163.9	221	9.0	1.335	0.0517	44.0					100.0%					94.3%	5.7%			100.0%	100.0%				
Car SUV	Four Wheel Drive	2012	184	0.145	26.5	17.7	24.4	21.0	4214		175.6	230	8.7	1.308	0.0544	44.3					100.0%					82.6%	17.4%			100.0%	100.0%				
Car SUV	Four Wheel Drive	2013	118	0.078	26.4	17.9	24.3	21.0	4298		185.5	263	8.0	1.451	0.0609	45.3					100.0%					76.1%	23.9%			100.0%	100.0%				
Car SUV	Four Wheel Drive	2014	121	0.077	25.9	17.4	23.6	20.5	4356		182.5	252	8.3	1.397	0.0575	44.5					100.0%					96.2%	3.8%			100.0%	100.0%				
Car SUV	Four Wheel Drive	2015	138	0.081	26.5	18.0	24.0	21.0	4322		188.4	263	8.0	1.414	0.0606	45.4					100.0%	0.0%				84.9%	15.1%			100.0%	100.0%	0.0%			
Car SUV	Four Wheel Drive	2016	250	0.134	32.4	22.1	28.3	25.2	4043		142.6	213	9.1	1.408	0.0513	62.0			17.5%	55.5%	27.0%					55.9%	37.0%			92.9%	92.9%				
Car SUV	Four Wheel Drive	2017	-	0.144	33.1	22.5	29.4	26.0	4321		160.5	296	8.1	1.368	0.0645	77.8			24.0%	76.0%						58.1%	27.3%			85.5%	85.5%				

					Fuel Economy (MPG)						Engine								Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Van	Front Wheel Drive	1975																																
Van	Front Wheel Drive	1976																																
Van	Front Wheel Drive	1977																																
Van	Front Wheel Drive	1978																																
Van	Front Wheel Drive	1979																																
Van	Front Wheel Drive	1980																																
Van	Front Wheel Drive	1981	1	0.003	17.9	13.8	17.5	15.2	4115		318.0	135	14.1	0.425	0.0329	31.3			100.0%					100.0%											
Van	Front Wheel Drive	1982																																
Van	Front Wheel Drive	1983	1	0.002	39.0	33.5	32.3	32.9	2250		97.0	52	21.7	0.536	0.0231	37.2			33.3%	66.7%								100.0%							
Van	Front Wheel Drive	1984	151	0.223	24.7	19.6	23.1	21.0	3341		143.3	97	17.0	0.680	0.0293	35.3			25.1%	69.3%	5.6%		0.0%	98.7%				1.3%							
Van	Front Wheel Drive	1985	260	0.304	23.7	18.9	21.9	20.1	3422		148.3	100	16.8	0.681	0.0294	34.5			12.4%	83.2%	4.4%			99.9%		0.1%									
Van	Front Wheel Drive	1986	255	0.244	24.4	19.2	22.8	20.7	3442		150.3	100	16.2	0.669	0.0291	35.7			8.7%	85.2%	6.1%			99.9%			0.1%								
Van	Front Wheel Drive	1987	307	0.275	24.6	19.1	23.1	20.8	3503		163.4	122	14.8	0.741	0.0347	36.4			5.5%	40.3%	54.1%			48.2%		51.6%	0.2%								
Van	Front Wheel Drive	1988	411	0.363	24.1	18.3	23.1	20.3	3714		173.3	133	14.5	0.765	0.0359	37.7			3.0%	18.5%	78.4%					79.2%	20.8%								
Van	Front Wheel Drive	1989	439	0.344	24.1	18.4	22.8	20.2	3724		167.9	131	14.1	0.776	0.0350	37.7			2.6%	38.6%	58.8%					72.7%	27.3%								
Van	Front Wheel Drive	1990	590	0.468	23.9	17.9	23.0	20.0	3828		184.3	135	12.9	0.733	0.0354	38.4			1.9%	1.5%	96.7%					67.9%	32.1%								
Van	Front Wheel Drive	1991	395	0.382	23.8	17.9	22.5	19.9	3919		186.3	136	13.2	0.727	0.0346	38.9			0.2%		99.8%					70.5%	29.5%								
Van	Front Wheel Drive	1992	554	0.454	23.8	17.6	22.7	19.8	3894		187.5	139	12.6	0.742	0.0355	38.6			2.4%		97.6%					82.0%	18.0%								
Van	Front Wheel Drive	1993	718	0.498	23.8	17.4	22.9	19.8	3838		188.0	143	11.4	0.763	0.0373	37.9			1.6%		98.4%					88.8%	11.2%								
Van	Front Wheel Drive	1994	742	0.523	23.5	17.1	22.5	19.5	3902		193.4	145	11.3	0.755	0.0373	38.1			0.6%		99.4%					90.8%	9.2%		0.3%						
Van	Front Wheel Drive	1995	1019	0.613	23.5	16.9	22.8	19.5	3889		206.3	146	11.5	0.722	0.0375	37.9			0.1%		99.9%					93.2%	6.8%		3.3%						
Van	Front Wheel Drive	1996	1040	0.738	23.5	16.7	22.7	19.4	4061		202.6	166	11.3	0.824	0.0409	39.4			0.0%		100.0%					100.0%			5.6%						
Van	Front Wheel Drive	1997	819	0.648	23.5	16.7	22.7	19.4	4048		195.4	162	11.5	0.832	0.0400	39.2					100.0%					100.0%			7.5%						
Van	Front Wheel Drive	1998	1166	0.783	23.8	16.7	23.1	19.6	4025		201.5	173	11.2	0.864	0.0431	39.4					100.0%					100.0%			12.0%						
Van	Front Wheel Drive	1999	1112	0.760	23.5	16.4	22.9	19.3	4147		204.2	176	11.2	0.863	0.0423	40.1					100.0%					100.0%			16.4%	10.8%					
Van	Front Wheel Drive	2000	1363	0.806	23.8	16.5	23.0	19.5	4168		201.6	178	10.7	0.888	0.0427	40.5					100.0%					100.0%			26.8%	18.6%					
Van	Front Wheel Drive	2001	854	0.693	24.3	16.7	23.3	19.8	4242		200.9	189	10.2	0.946	0.0447	42.0					100.0%					100.0%			32.6%	24.5%					
Van	Front Wheel Drive	2002	1048	0.843	24.0	16.5	22.9	19.5	4319		206.8	198	10.1	0.959	0.0458	42.1					100.0%					100.0%			33.7%	24.7%					
Van	Front Wheel Drive	2003	1029	0.835	24.4	16.6	23.2	19.7	4293		209.2	199	9.9	0.955	0.0464	42.3					100.0%					100.0%			30.9%	23.5%					
Van	Front Wheel Drive	2004	826	0.866	24.3	16.3	23.4	19.6	4428		212.0	212	9.6	1.007	0.0480	43.5					100.0%					100.0%			57.3%	50.1%					
Van	Front Wheel Drive	2005	1321	0.892	24.4	16.3	23.3	19.6	4392		212.5	208	9.7	0.984	0.0474	43.2					97.0%	3.0%				100.0%			38.0%	26.2%					
Van	Front Wheel Drive	2006	1047	0.898	24.7	16.5	23.7	19.9	4424		212.6	210	9.7	0.992	0.0475	44.1					96.6%	3.4%				100.0%			48.2%	38.6%					
Van	Front Wheel Drive	2007	795	0.938	24.4	16.3	23.4	19.7	4449		217.1	225	9.4	1.040	0.0505	43.8					96.8%	3.2%				100.0%			53.9%	51.0%					
Van	Front Wheel Drive	2008	734	0.929	24.9	16.6	23.8	20.1	4500		217.8	219	9.6	1.009	0.0486	45.2			0.1%		99.9%					100.0%			53.1%	50.0%					
Van	Front Wheel Drive	2009	346	0.941	25.3	16.8	24.1	20.3	4543		212.2	219	9.4	1.038	0.0481	46.2			0.3%		99.7%					100.0%			60.7%	48.1%					
Van	Front Wheel Drive	2010	538	0.963	25.2	16.8	24.0	20.3	4511		212.2	211	9.7	1.003	0.0466	45.8			0.2%		99.8%					100.0%			52.7%	36.9%					
Van	Front Wheel Drive	2011	476	0.914	26.8	17.9	25.1	21.4	4441		208.7	259	8.3	1.237	0.0580	47.5					96.6%	3.4%				100.0%			100.0%	94.1%					
Van	Front Wheel Drive	2012	619	0.934	27.1	18.0	25.5	21.6	4388		206.5	255	8.4	1.226	0.0576	47.5			0.2%		96.4%	3.4%				100.0%			100.0%	94.1%					
Van	Front Wheel Drive	2013	531	0.931	26.8	17.8	25.3	21.4	4491		206.0	257	8.5	1.241	0.0568	48.0			0.1%		96.7%	3.2%				100.0%			100.0%	92.0%					
Van	Front Wheel Drive	2014	627	0.933	27.1	18.0	25.5	21.7	4434		209.9	261	8.2	1.237	0.0585	48.1			0.1%		96.9%	3.0%			0.3%	99.7%			100.0%	100.0%					
Van	Front Wheel Drive	2015	617	0.941	27.8	18.5	25.7	22.0	4363		201.5	249	8.4	1.228	0.0566	48.1					91.4%	8.6%			5.2%	94.8%			100.0%	100.0%					
Van	Front Wheel Drive	2016	598	0.948	27.4	18.2	25.7	21.8	4418		206.4	256	8.3	1.239	0.0578	48.3					97.0%	3.0%			8.8%	91.2%			100.0%	100.0%					
Van	Front Wheel Drive	2017	-	0.944	29.3	19.3	27.0	23.1	4412		201.6	260	7.9	1.279	0.0584	51.8					90.2%	9.8%			7.5%	92.5%			100.0%	100.0%	2.5%				

Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Transmission					Fuel Metering					Multi-Valve	VVT	Hybrid	Vehicle Size		
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel				Small	Midsize	Large
Van	Rear Wheel Drive	1975	457	1.000	13.1	10.6	11.9	11.1	4196		317.5	143		0.448	0.0341	23.8			23.3%	76.7%				99.8%			0.2%							
Van	Rear Wheel Drive	1976	502	1.000	13.9	11.1	12.8	11.8	4200		323.7	146		0.447	0.0347	25.2			20.5%	79.5%				99.7%			0.3%							
Van	Rear Wheel Drive	1977	514	1.000	14.7	11.9	13.3	12.5	4252		331.8	152		0.458	0.0359	26.9			14.3%	85.7%				99.6%			0.4%							
Van	Rear Wheel Drive	1978	625	1.000	14.2	11.6	12.7	12.1	4250		329.2	149	13.4	0.453	0.0351	26.1			13.0%	87.0%				99.6%			0.4%							
Van	Rear Wheel Drive	1979	481	1.000	13.5	11.1	12.1	11.5	4541		321.9	144	15.5	0.451	0.0317	26.5			14.8%	78.4%	6.8%			98.2%			1.8%							
Van	Rear Wheel Drive	1980	242	1.000	16.6	13.3	15.4	14.1	4353		287.9	131	16.5	0.459	0.0299	31.0			26.0%	35.0%	39.0%			93.5%			6.5%							
Van	Rear Wheel Drive	1981	244	0.997	17.5	14.0	16.0	14.8	4325		283.9	129	16.5	0.458	0.0298	32.3			21.7%	31.5%	46.8%			95.4%			4.6%							
Van	Rear Wheel Drive	1982	311	1.000	17.3	13.9	15.9	14.7	4342		286.9	132	17.6	0.463	0.0303	32.3			15.7%	38.5%	45.8%			95.2%			3.0%	1.8%						
Van	Rear Wheel Drive	1983	382	0.998	17.7	14.1	16.5	15.1	4418		294.7	136	15.6	0.466	0.0307	33.7			12.0%	28.6%	59.4%			92.2%			3.5%	4.4%						
Van	Rear Wheel Drive	1984	525	0.777	17.7	14.0	16.6	15.1	4286		279.7	134	15.5	0.497	0.0311	32.9			12.7%	30.3%	57.1%			86.2%		8.6%	4.0%	1.2%						
Van	Rear Wheel Drive	1985	593	0.693	18.0	14.3	16.8	15.3	4222		275.1	142	14.7	0.533	0.0335	32.9			8.4%	25.1%	66.5%			86.2%		9.1%	4.2%	0.4%						
Van	Rear Wheel Drive	1986	776	0.743	19.5	15.3	18.4	16.6	4198		255.1	137	14.2	0.559	0.0327	35.1			6.9%	14.3%	78.8%			48.3%		29.4%	21.9%	0.5%						
Van	Rear Wheel Drive	1987	786	0.705	19.6	15.2	18.7	16.6	4169		253.0	151	13.5	0.622	0.0362	34.9			5.1%	20.7%	74.1%			14.2%		43.0%	42.8%	0.1%						
Van	Rear Wheel Drive	1988	713	0.630	19.8	15.1	19.0	16.7	4256		262.1	155	13.5	0.615	0.0366	35.7			3.1%	17.3%	79.6%			0.4%		43.5%	56.0%	0.2%						
Van	Rear Wheel Drive	1989	830	0.649	19.8	15.0	19.1	16.7	4239		256.8	155	13.0	0.627	0.0366	35.7			2.5%	11.2%	86.3%					49.9%	50.0%	0.1%						
Van	Rear Wheel Drive	1990	589	0.467	19.3	14.5	18.6	16.2	4369		269.9	162	12.0	0.619	0.0372	35.6			1.6%	8.0%	90.4%		0.1%			44.4%	55.4%	0.1%						
Van	Rear Wheel Drive	1991	526	0.509	20.1	15.0	19.3	16.8	4305		248.9	157	12.3	0.664	0.0366	36.4			1.5%	4.2%	94.3%					53.1%	46.7%	0.1%						
Van	Rear Wheel Drive	1992	600	0.491	19.8	14.7	19.0	16.6	4360		255.6	163	11.8	0.664	0.0375	36.3			0.7%	4.1%	95.2%					60.3%	39.6%	0.1%						
Van	Rear Wheel Drive	1993	658	0.456	20.2	14.9	19.5	16.9	4351		249.1	166	10.9	0.692	0.0383	36.8			0.8%	3.6%	95.6%					66.3%	33.7%							
Van	Rear Wheel Drive	1994	585	0.413	19.5	14.3	18.6	16.2	4439		268.4	176	10.6	0.669	0.0397	36.1			0.3%	5.1%	94.7%					66.6%	33.4%		2.6%					
Van	Rear Wheel Drive	1995	492	0.296	19.0	13.9	18.0	15.7	4536		288.8	186	10.5	0.660	0.0414	35.8				5.6%	94.4%					71.6%	28.4%		3.3%					
Van	Rear Wheel Drive	1996	336	0.239	19.2	13.9	18.2	15.9	4560		272.9	185	11.1	0.691	0.0406	36.3				6.8%	93.2%					100.0%			5.3%					
Van	Rear Wheel Drive	1997	387	0.306	19.8	14.2	18.8	16.3	4578		269.1	200	10.5	0.748	0.0437	37.4				1.4%	98.6%					100.0%			3.1%					
Van	Rear Wheel Drive	1998	274	0.184	19.5	13.9	18.5	16.0	4758		279.9	209	10.7	0.750	0.0441	38.1					100.0%					100.0%			2.3%					
Van	Rear Wheel Drive	1999	311	0.213	18.9	13.5	17.8	15.5	4821		285.1	208	10.8	0.731	0.0431	37.3					100.0%					100.0%								
Van	Rear Wheel Drive	2000	282	0.167	19.1	13.6	17.8	15.6	4717		282.9	208	10.2	0.735	0.0441	36.9					100.0%					100.0%								
Van	Rear Wheel Drive	2001	272	0.221	18.9	13.3	17.9	15.4	4957		289.6	225	9.8	0.779	0.0454	38.3					100.0%					100.0%								
Van	Rear Wheel Drive	2002	157	0.126	18.7	13.2	17.2	15.1	4806		284.2	213	10.1	0.752	0.0445	36.5					100.0%					100.0%								
Van	Rear Wheel Drive	2003	141	0.114	19.4	13.6	17.7	15.6	4930		283.2	218	10.1	0.767	0.0441	38.6					100.0%					100.0%								
Van	Rear Wheel Drive	2004	81	0.085	20.1	13.9	18.5	16.2	4947		280.9	222	10.0	0.785	0.0448	39.9					100.0%					100.0%								
Van	Rear Wheel Drive	2005	79	0.054	19.9	13.8	18.2	16.0	4847		277.0	214	10.0	0.769	0.0442	38.6					100.0%					100.0%								
Van	Rear Wheel Drive	2006	66	0.057	19.4	13.4	17.7	15.6	5139		281.0	226	10.1	0.800	0.0438	40.0					100.0%					100.0%								
Van	Rear Wheel Drive	2007	28	0.033	20.0	13.8	18.4	16.1	5159		277.5	220	10.5	0.785	0.0424	41.5					100.0%					100.0%								
Van	Rear Wheel Drive	2008	24	0.031	20.3	14.1	18.3	16.2	5189		277.2	222	10.5	0.794	0.0425	42.0					100.0%					100.0%								
Van	Rear Wheel Drive	2009	13	0.034	20.5	14.2	18.5	16.4	5185		276.6	220	10.3	0.786	0.0420	42.6					100.0%					100.0%								
Van	Rear Wheel Drive	2010	12	0.021	20.7	14.3	18.9	16.6	5249		279.7	226	10.4	0.799	0.0426	43.5					100.0%					100.0%				29.1%				
Van	Rear Wheel Drive	2011	15	0.029	19.1	13.3	17.6	15.5	5534		290.3	236	10.3	0.805	0.0423	43.1					100.0%					100.0%			3.3%	26.1%				
Van	Rear Wheel Drive	2012	23	0.035	19.6	13.6	18.1	15.9	5393		283.2	228	10.7	0.797	0.0420	42.9					100.0%					100.0%				19.9%				
Van	Rear Wheel Drive	2013	16	0.028	19.5	13.6	17.9	15.8	5442		285.2	230	10.4	0.799	0.0420	43.1					100.0%					100.0%				23.1%				
Van	Rear Wheel Drive	2014	19	0.029	18.9	13.1	17.5	15.3	5416		284.9	229	10.4	0.797	0.0420	41.5					100.0%					100.0%				24.1%				
Van	Rear Wheel Drive	2015	8	0.013	19.2	13.2	18.2	15.6	6186		251.5	281	9.2	1.143	0.0455	48.6					100.0%					100.0%			72.0%	100.0%				
Van	Rear Wheel Drive	2016	17	0.028	23.5	16.4	20.4	18.5	5390		180.4	246	9.2	1.460	0.0456	50.2					100.0%			55.2%	44.8%				95.1%	100.0%				
Van	Rear Wheel Drive	2017	-	0.023	21.3	14.9	18.9	17.0	5755		209.4	267	9.1	1.336	0.0463	49.1					100.0%			33.0%	67.0%				94.1%	100.0%				

					Fuel Economy (MPG)						Engine								Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Van	Four Wheel Drive	1975																																
Van	Four Wheel Drive	1976																																
Van	Four Wheel Drive	1977																																
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Van	Four Wheel Drive	1981																																
Van	Four Wheel Drive	1982																																
Van	Four Wheel Drive	1983																																
Van	Four Wheel Drive	1984																																
Van	Four Wheel Drive	1985	3	0.003	25.0	19.2	24.8	21.4	3000		122.0	88	16.0	0.721	0.0293	32.0			100.0%					100.0%											
Van	Four Wheel Drive	1986	13	0.013	25.1	19.1	24.8	21.4	3000		122.0	88	15.3	0.721	0.0293	32.0			100.0%					100.0%											
Van	Four Wheel Drive	1987	21	0.019	24.2	19.0	22.4	20.5	3459		127.8	94	16.4	0.739	0.0276	35.6			66.4%		22.9%		10.6%	32.5%		67.5%									
Van	Four Wheel Drive	1988	9	0.008	26.2	20.0	25.1	22.1	3378		124.9	97	15.9	0.777	0.0289	37.2			89.7%		10.3%					100.0%									
Van	Four Wheel Drive	1989	9	0.007	23.4	17.9	22.0	19.7	3567		135.6	106	15.3	0.781	0.0299	35.1			59.4%		37.2%		3.5%			100.0%									
Van	Four Wheel Drive	1990	83	0.066	20.1	15.2	19.1	16.9	4050		201.6	151	12.5	0.765	0.0375	34.2			3.2%	4.3%	92.5%					85.0%	15.0%								
Van	Four Wheel Drive	1991	113	0.109	20.6	15.5	19.6	17.2	4076		199.6	152	12.5	0.778	0.0374	35.2			4.6%		95.4%					85.9%	14.1%								
Van	Four Wheel Drive	1992	67	0.055	20.3	15.1	19.3	16.9	4409		212.4	162	12.3	0.774	0.0366	37.3			3.3%		96.7%					91.1%	8.9%								
Van	Four Wheel Drive	1993	65	0.045	20.3	15.0	19.5	16.9	4571		229.2	174	11.1	0.765	0.0381	38.7			0.2%	0.4%	99.5%					100.0%									
Van	Four Wheel Drive	1994	91	0.064	20.7	15.1	19.9	17.2	4408		219.1	169	11.1	0.781	0.0383	37.8			0.5%		99.5%					97.5%	2.5%		34.9%						
Van	Four Wheel Drive	1995	150	0.091	21.7	15.7	20.9	18.0	4210		208.5	159	11.5	0.775	0.0378	37.9			0.4%		99.6%					100.0%			17.0%						
Van	Four Wheel Drive	1996	33	0.023	20.0	14.5	19.0	16.5	4727		244.0	177	11.8	0.735	0.0375	39.0			0.1%		99.9%					100.0%			15.3%						
Van	Four Wheel Drive	1997	59	0.047	20.0	14.3	19.0	16.4	4693		242.7	179	11.7	0.741	0.0380	38.6					100.0%					100.0%			10.2%						
Van	Four Wheel Drive	1998	48	0.032	20.2	14.4	19.3	16.6	4713		238.4	180	12.0	0.762	0.0382	39.2					100.0%					100.0%			17.9%						
Van	Four Wheel Drive	1999	40	0.027	20.4	14.4	19.3	16.7	4747		250.5	186	11.7	0.745	0.0393	39.7					100.0%					100.0%									
Van	Four Wheel Drive	2000	46	0.027	20.5	14.5	19.2	16.7	4764		252.5	181	11.4	0.717	0.0380	39.9					100.0%					100.0%									
Van	Four Wheel Drive	2001	107	0.087	17.3	12.1	16.5	14.2	5614		300.4	241	10.2	0.805	0.0428	40.0					100.0%					100.0%									
Van	Four Wheel Drive	2002	38	0.030	19.8	13.8	18.8	16.1	4772		239.7	195	10.9	0.824	0.0411	39.1					100.0%					100.0%									
Van	Four Wheel Drive	2003	62	0.050	20.7	14.3	19.5	16.8	4839		238.7	202	10.7	0.854	0.0416	41.0					100.0%					100.0%									
Van	Four Wheel Drive	2004	47	0.049	21.6	14.8	20.1	17.4	4731		228.5	222	9.9	0.994	0.0471	41.5					100.0%					100.0%			55.6%	55.6%					
Van	Four Wheel Drive	2005	81	0.055	22.4	15.4	20.6	18.0	4645		206.4	213	9.8	1.051	0.0460	41.9					55.2%	44.8%				100.0%			74.8%	30.0%					
Van	Four Wheel Drive	2006	53	0.045	22.7	15.5	20.9	18.2	4669		205.5	214	9.9	1.052	0.0459	42.5					62.4%	37.6%				100.0%			76.9%	39.3%					
Van	Four Wheel Drive	2007	25	0.029	22.7	15.6	20.8	18.2	4695		214.2	238	9.3	1.129	0.0507	42.7					48.4%	51.6%				100.0%			84.1%	32.5%					
Van	Four Wheel Drive	2008	32	0.040	22.3	15.2	20.6	17.9	4651		226.3	270	8.6	1.211	0.0582	41.6					100.0%					100.0%			87.4%	41.0%					
Van	Four Wheel Drive	2009	9	0.025	21.4	14.7	19.5	17.1	4824		241.8	275	8.5	1.169	0.0574	41.3					100.0%					100.0%			73.2%	73.2%					
Van	Four Wheel Drive	2010	9	0.016	21.1	14.6	19.3	16.9	4919		250.0	278	8.7	1.146	0.0569	41.6					100.0%					100.0%			65.2%	100.0%					
Van	Four Wheel Drive	2011	29	0.056	22.7	15.5	21.0	18.2	4958		222.6	270	8.7	1.227	0.0545	45.2					100.0%					100.0%			89.7%	100.0%					
Van	Four Wheel Drive	2012	20	0.031	23.4	15.9	21.7	18.8	4979		229.0	273	8.6	1.213	0.0550	47.0					100.0%					100.0%			83.9%	100.0%					
Van	Four Wheel Drive	2013	24	0.041	23.2	15.7	21.8	18.7	5094		227.1	276	8.7	1.234	0.0541	47.8					100.0%					100.0%			85.6%	100.0%					
Van	Four Wheel Drive	2014	25	0.038	23.1	15.7	21.6	18.6	5116		230.9	276	8.7	1.218	0.0540	47.8					100.0%					100.0%			83.3%	100.0%					
Van	Four Wheel Drive	2015	30	0.046	24.3	16.4	22.9	19.6	5000		211.8	268	8.7	1.266	0.0536	48.9					100.0%					100.0%			100.0%	100.0%					
Van	Four Wheel Drive	2016	15	0.024	24.2	16.2	22.8	19.4	5039		212.1	269	8.7	1.267	0.0534	48.9					100.0%					100.0%			100.0%	100.0%					
Van	Four Wheel Drive	2017	-	0.033	26.2	17.5	24.4	20.9	5000		211.5	295	7.8	1.397	0.0591	52.2					100.0%					100.0%			100.0%	100.0%					

					Fuel Economy (MPG)						Engine									Transmission					Fuel Metering							Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck SUV	Front Wheel Drive	1975																																
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Truck SUV	Front Wheel Drive	1999																																
Truck SUV	Front Wheel Drive	2000																																
Truck SUV	Front Wheel Drive	2001	200	0.074	23.5	16.3	22.3	19.1	4412		221.5	200	9.6	0.916	0.0455	42.2					100.0%					100.0%				17.6%	17.6%				
Truck SUV	Front Wheel Drive	2002	60	0.017	25.0	17.6	22.7	20.1	4000		171.8	201	9.5	1.163	0.0502	40.4					100.0%					100.0%				100.0%	100.0%				
Truck SUV	Front Wheel Drive	2003	94	0.026	25.7	18.0	23.0	20.5	3885		164.6	190	9.6	1.149	0.0489	40.0			4.3%		95.7%					100.0%				100.0%	100.0%				
Truck SUV	Front Wheel Drive	2004	114	0.028	25.3	17.4	23.0	20.2	4060		186.8	196	9.4	1.074	0.0484	41.0			1.6%		98.4%					100.0%				81.8%	81.8%				
Truck SUV	Front Wheel Drive	2005	97	0.029	25.9	17.8	23.2	20.5	3950		173.8	198	9.2	1.138	0.0500	40.6			1.8%		98.2%					100.0%				100.0%	100.0%				
Truck SUV	Front Wheel Drive	2006	154	0.051	26.0	17.9	23.2	20.6	4239		188.6	209	8.9	1.111	0.0493	44.1			1.1%		85.7%	13.2%				100.0%				100.0%	100.0%	13.2%			
Truck SUV	Front Wheel Drive	2007	214	0.065	26.0	17.7	23.5	20.6	4283		187.8	217	8.9	1.154	0.0504	44.2			2.4%		74.8%	22.8%				100.0%				100.0%	99.3%	5.5%			
Truck SUV	Front Wheel Drive	2008	309	0.101	25.7	17.4	23.8	20.5	4472		196.0	238	8.6	1.214	0.0529	45.9			1.6%		81.6%	16.8%				100.0%				100.0%	97.6%	1.9%			
Truck SUV	Front Wheel Drive	2009	300	0.175	24.9	16.7	23.4	20.0	4537		200.7	251	8.2	1.255	0.0549	45.3			0.9%		90.8%	8.3%			20.2%	79.8%				100.0%	83.9%	0.1%			
Truck SUV	Front Wheel Drive	2010	327	0.142	25.6	17.2	24.0	20.5	4496		201.8	250	8.3	1.239	0.0552	46.1			0.8%	2.9%	86.7%	9.6%			35.7%	64.3%				100.0%	86.7%				
Truck SUV	Front Wheel Drive	2011	423	0.138	25.8	17.4	24.0	20.6	4537		202.1	263	8.1	1.301	0.0575	46.7			0.7%		88.9%	10.4%			40.1%	59.9%				100.0%	100.0%				
Truck SUV	Front Wheel Drive	2012	381	0.138	25.7	17.2	24.1	20.6	4674		209.5	269	8.0	1.285	0.0574	48.1					99.3%	0.7%			45.6%	54.4%				100.0%	100.0%				
Truck SUV	Front Wheel Drive	2013	455	0.138	26.4	17.7	24.5	21.1	4563		205.8	265	8.0	1.293	0.0581	48.0					88.5%	11.5%			24.5%	75.5%				100.0%	95.6%				
Truck SUV	Front Wheel Drive	2014	475	0.128	26.6	17.8	24.8	21.2	4599		207.8	269	8.0	1.296	0.0586	48.7					86.3%	13.7%			38.6%	61.4%				100.0%	94.5%	0.5%			
Truck SUV	Front Wheel Drive	2015	523	0.111	26.7	17.9	24.8	21.2	4580		207.9	271	7.9	1.300	0.0590	48.7					86.9%	13.1%			32.9%	67.1%				100.0%	97.9%	0.0%			
Truck SUV	Front Wheel Drive	2016	551	0.117	26.6	17.6	24.9	21.1	4504		201.1	265	7.9	1.320	0.0588	47.8					90.8%	9.2%			50.7%	49.3%				100.0%	100.0%	0.0%			
Truck SUV	Front Wheel Drive	2017	-	0.114	26.8	17.7	25.0	21.2	4533		206.2	280	7.6	1.364	0.0619	48.3					88.1%	11.9%			64.6%	35.4%				100.0%	98.8%	0.0%			

					Fuel Economy (MPG)						Engine							Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck SUV	Rear Wheel Drive	1975	20	0.111	13.5	10.8	12.4	11.5	4570		357.0	166		0.463	0.0362	26.4			15.1%	84.9%				100.0%										
Truck SUV	Rear Wheel Drive	1976	24	0.105	13.6	10.8	12.7	11.6	4628		356.2	156		0.435	0.0335	27.1			20.1%	79.9%				100.0%										
Truck SUV	Rear Wheel Drive	1977	31	0.116	14.7	11.9	13.4	12.5	4612		351.8	160		0.451	0.0344	29.3			17.5%	82.5%				100.0%										
Truck SUV	Rear Wheel Drive	1978	28	0.076	14.0	11.3	12.7	11.9	4650		348.3	160	13.4	0.463	0.0345	28.0			24.2%	75.8%				100.0%										
Truck SUV	Rear Wheel Drive	1979	107	0.278	11.1	9.3	9.5	9.4	5161		367.3	151	15.5	0.408	0.0291	24.3			17.2%	81.3%	1.5%			100.0%										
Truck SUV	Rear Wheel Drive	1980	20	0.111	14.4	11.4	13.6	12.3	5058		342.3	162	14.8	0.473	0.0321	31.1			15.1%	0.8%	84.1%			100.0%				0.0%						
Truck SUV	Rear Wheel Drive	1981	13	0.095	15.9	12.7	14.7	13.6	4910		326.1	162	14.6	0.498	0.0330	33.3			2.3%		97.7%			100.0%										
Truck SUV	Rear Wheel Drive	1982	21	0.138	19.0	14.5	18.8	16.2	5064		333.5	150	16.3	0.453	0.0299	42.1				7.6%	92.4%			62.1%				37.9%						
Truck SUV	Rear Wheel Drive	1983	22	0.087	17.6	13.6	17.0	15.0	5119		349.5	154	14.7	0.445	0.0302	40.0				4.9%	95.1%			71.3%				28.7%						
Truck SUV	Rear Wheel Drive	1984	38	0.067	16.8	13.0	16.4	14.4	5013		345.7	156	14.3	0.454	0.0313	36.7				11.2%	88.8%			86.3%				13.7%						
Truck SUV	Rear Wheel Drive	1985	56	0.087	16.4	12.8	15.8	14.0	4917		341.1	159	13.9	0.467	0.0325	35.1				29.6%	70.4%			93.5%				6.5%						
Truck SUV	Rear Wheel Drive	1986	48	0.067	17.0	13.1	16.7	14.5	4960		344.8	160	13.2	0.466	0.0325	36.4				9.0%	91.0%			94.8%				5.2%						
Truck SUV	Rear Wheel Drive	1987	46	0.059	17.0	12.9	16.6	14.4	5280		343.8	194	12.3	0.564	0.0367	38.3				8.6%	91.4%			20.5%			76.8%	2.7%						
Truck SUV	Rear Wheel Drive	1988	49	0.057	17.2	12.9	16.9	14.5	5338		345.9	186	12.9	0.536	0.0348	38.9				5.6%	94.4%			1.2%			96.6%	2.2%						
Truck SUV	Rear Wheel Drive	1989	53	0.065	17.4	13.0	17.4	14.7	5249		334.9	194	11.9	0.586	0.0369	38.8			3.5%	5.9%	90.6%						98.2%	1.8%						
Truck SUV	Rear Wheel Drive	1990	48	0.075	17.4	12.8	17.4	14.7	5332		339.1	202	11.0	0.602	0.0379	39.2			1.6%	10.0%	88.4%					5.1%	93.2%	1.7%						
Truck SUV	Rear Wheel Drive	1991	33	0.037	17.7	13.1	17.4	14.9	5188		318.8	196	11.1	0.635	0.0379	38.6			5.5%	5.4%	89.1%					17.9%	79.9%	2.2%						
Truck SUV	Rear Wheel Drive	1992	35	0.046	17.6	13.1	16.9	14.7	5061		302.6	194	10.8	0.670	0.0384	37.1			8.0%	0.1%	91.9%					30.0%	70.0%							
Truck SUV	Rear Wheel Drive	1993	58	0.069	17.6	12.9	16.9	14.7	5192		316.6	199	10.1	0.649	0.0383	37.9			4.7%		95.3%					21.0%	79.0%							
Truck SUV	Rear Wheel Drive	1994	56	0.043	17.0	12.4	16.4	14.1	5500		350.0	210	10.0	0.600	0.0382	38.9					100.0%						100.0%							
Truck SUV	Rear Wheel Drive	1995	157	0.099	18.8	13.7	18.0	15.6	4761		275.4	173	10.8	0.652	0.0364	37.2			12.3%		87.7%					58.9%	41.1%							
Truck SUV	Rear Wheel Drive	1996	260	0.162	19.3	13.9	18.5	16.0	4652		262.6	191	10.6	0.747	0.0409	37.1			5.3%		94.7%					100.0%		22.4%						
Truck SUV	Rear Wheel Drive	1997	378	0.181	19.5	14.1	18.6	16.1	4629		265.3	198	10.2	0.764	0.0426	37.3			3.7%		96.3%					100.0%		26.2%						
Truck SUV	Rear Wheel Drive	1998	293	0.138	19.3	13.8	18.3	15.8	4678		271.6	214	10.1	0.815	0.0457	37.0			1.1%		98.9%					100.0%		31.6%						
Truck SUV	Rear Wheel Drive	1999	483	0.206	18.5	13.1	17.6	15.2	4932		297.2	231	9.8	0.795	0.0467	37.4			0.6%		99.4%					100.0%		21.0%						
Truck SUV	Rear Wheel Drive	2000	416	0.165	18.9	13.4	17.8	15.5	4935		282.5	228	9.5	0.826	0.0463	38.3			0.4%		99.6%					100.0%		24.6%	1.3%					
Truck SUV	Rear Wheel Drive	2001	435	0.161	19.0	13.6	17.5	15.5	4960		281.1	242	9.0	0.873	0.0489	38.2			0.4%		99.6%					100.0%		31.1%	10.6%					
Truck SUV	Rear Wheel Drive	2002	856	0.239	19.7	13.7	18.5	16.0	4842		271.0	244	9.0	0.907	0.0506	38.7			0.6%		99.4%					100.0%		29.6%	17.7%					
Truck SUV	Rear Wheel Drive	2003	846	0.237	19.3	13.4	18.1	15.6	5111		281.9	255	8.9	0.914	0.0504	39.9			0.0%		100.0%					100.0%		37.8%	23.3%					
Truck SUV	Rear Wheel Drive	2004	913	0.224	19.5	13.5	18.1	15.8	5012		284.4	258	8.8	0.913	0.0519	39.4			0.3%		99.7%					100.0%		41.6%	30.1%					
Truck SUV	Rear Wheel Drive	2005	650	0.199	19.9	13.6	18.6	16.0	5083		279.8	266	8.6	0.954	0.0523	40.8			0.5%		99.5%					100.0%		53.3%	41.9%					
Truck SUV	Rear Wheel Drive	2006	532	0.177	20.0	13.7	18.9	16.2	4993		273.2	260	8.7	0.954	0.0521	40.4			0.4%		99.6%					100.0%		60.5%	53.8%					
Truck SUV	Rear Wheel Drive	2007	603	0.182	20.5	14.0	19.3	16.6	5293		288.0	276	8.7	0.961	0.0523	43.9			0.2%		99.8%					99.9%		0.1%	34.0%	32.8%				
Truck SUV	Rear Wheel Drive	2008	436	0.142	20.7	14.0	19.6	16.8	5197		283.9	282	8.6	0.991	0.0542	43.5			0.4%		98.7%	0.9%				99.9%		0.1%	45.1%	38.0%	0.9%			
Truck SUV	Rear Wheel Drive	2009	129	0.075	21.0	14.2	19.9	17.0	5339		293.0	287	8.3	0.979	0.0535	45.3			0.2%		97.8%	2.0%				100.0%			22.6%	28.6%	2.0%			
Truck SUV	Rear Wheel Drive	2010	187	0.081	21.5	14.5	20.3	17.4	5288		282.9	274	8.5	0.973	0.0518	45.8			0.1%		99.6%	0.3%				100.0%			42.8%	57.7%	0.3%			
Truck SUV	Rear Wheel Drive	2011	273	0.089	22.2	15.0	20.8	17.9	5331		281.5	299	8.0	1.078	0.0561	47.6			0.1%		99.7%	0.2%			2.3%	97.7%			54.4%	88.8%	0.2%			
Truck SUV	Rear Wheel Drive	2012	176	0.064	22.0	14.9	20.8	17.8	5475		294.2	315	7.9	1.089	0.0579	48.6					99.8%	0.2%			3.8%	96.2%			62.5%	100.0%	0.2%			
Truck SUV	Rear Wheel Drive	2013	193	0.058	22.3	15.1	20.9	17.9	5552		295.8	319	7.8	1.100	0.0577	49.7					99.8%	0.2%			7.8%	92.2%			52.7%	100.0%	0.2%			
Truck SUV	Rear Wheel Drive	2014	200	0.054	23.7	16.0	22.3	19.0	5237		269.6	309	7.5	1.180	0.0594	49.9					100.0%				12.2%	87.8%			37.7%	98.7%				
Truck SUV	Rear Wheel Drive	2015	303	0.064	24.1	16.2	22.9	19.4	5436		276.5	329	7.4	1.222	0.0606	52.7					100.0%				59.6%	40.1%		0.3%	56.4%	99.7%				
Truck SUV	Rear Wheel Drive	2016	241	0.051	24.4	16.5	22.7	19.5	5422		279.0	332	7.4	1.222	0.0611	53.0					100.0%				66.0%	33.8%		0.1%	54.1%	99.9%				
Truck SUV	Rear Wheel Drive	2017	-	0.052	24.5	16.5	22.8	19.6	5517		267.0	332	7.4	1.283	0.0601	54.2					100.0%				61.4%	38.6%			64.4%	100.0%				

					Fuel Economy (MPG)						Engine							Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Truck SUV	Four Wheel Drive	1975	158	0.889	12.9	10.6	11.5	11.0	4169		329.0	146		0.440	0.0361	22.6			42.9%	57.1%				100.0%										
Truck SUV	Four Wheel Drive	1976	208	0.895	13.9	11.3	12.5	11.8	4293		336.8	140		0.412	0.0332	25.1			33.6%	66.4%				100.0%										
Truck SUV	Four Wheel Drive	1977	234	0.884	15.2	12.3	13.7	12.9	4201		334.7	143		0.425	0.0345	26.9			34.6%	65.4%				100.0%										
Truck SUV	Four Wheel Drive	1978	336	0.924	14.5	11.7	13.2	12.3	4251		341.7	149	13.2	0.433	0.0353	26.0			32.8%	67.2%				100.0%										
Truck SUV	Four Wheel Drive	1979	278	0.722	13.0	10.8	11.4	11.1	4329		325.0	143	14.5	0.442	0.0336	23.9			39.2%	60.8%				99.7%				0.3%						
Truck SUV	Four Wheel Drive	1980	164	0.889	15.7	12.6	14.2	13.3	4135		288.6	127	15.8	0.451	0.0306	27.6			47.2%	34.0%	18.8%			97.4%				2.6%						
Truck SUV	Four Wheel Drive	1981	123	0.905	16.9	13.5	15.6	14.4	4135		286.3	128	15.4	0.456	0.0313	29.8			45.0%	19.8%	35.1%			100.0%										
Truck SUV	Four Wheel Drive	1982	129	0.862	17.0	13.6	15.8	14.5	4403		300.5	130	16.8	0.443	0.0300	32.7			37.0%	25.6%	37.4%			86.8%				13.2%						
Truck SUV	Four Wheel Drive	1983	233	0.913	18.6	14.6	17.8	15.9	4188		257.4	124	15.5	0.513	0.0300	33.8			37.0%	14.5%	48.2%		0.4%	94.4%				5.6%						
Truck SUV	Four Wheel Drive	1984	531	0.933	19.2	15.1	18.2	16.3	3979		223.1	119	15.7	0.561	0.0299	33.0			32.5%	30.1%	37.4%			98.3%				1.7%						
Truck SUV	Four Wheel Drive	1985	592	0.913	19.7	15.4	19.1	16.8	4014		210.4	120	15.6	0.594	0.0297	34.2			32.3%	12.1%	55.6%			92.9%		4.8%	1.1%	1.2%						
Truck SUV	Four Wheel Drive	1986	666	0.933	20.3	15.9	19.3	17.3	3886		200.3	125	14.0	0.666	0.0323	33.8			41.7%	7.4%	50.9%			48.7%		27.8%	22.1%	1.4%						
Truck SUV	Four Wheel Drive	1987	733	0.941	20.7	16.0	19.7	17.5	3795		204.1	134	13.6	0.688	0.0352	33.3			42.1%	9.5%	48.5%			28.2%		35.1%	36.3%	0.3%						
Truck SUV	Four Wheel Drive	1988	810	0.943	20.4	15.7	19.3	17.2	3819		214.3	142	13.3	0.691	0.0370	32.9			36.6%	8.2%	55.3%			18.6%		50.2%	31.1%	0.2%						
Truck SUV	Four Wheel Drive	1989	765	0.935	19.8	15.2	18.7	16.7	4005		237.3	153	12.4	0.671	0.0385	33.6			27.5%	8.6%	63.8%			7.4%		49.5%	42.9%	0.2%						
Truck SUV	Four Wheel Drive	1990	594	0.925	19.8	15.0	18.8	16.6	3998		226.3	151	11.7	0.701	0.0381	33.2			31.3%	3.6%	65.0%			5.6%		60.9%	33.3%	0.2%						
Truck SUV	Four Wheel Drive	1991	839	0.963	20.1	15.1	19.2	16.8	4117		230.0	160	11.6	0.712	0.0391	34.7			22.4%	1.6%	76.0%			0.4%		63.9%	35.5%	0.1%						
Truck SUV	Four Wheel Drive	1992	726	0.954	19.5	14.5	18.6	16.3	4162		231.9	168	11.1	0.741	0.0409	33.9			22.4%	0.9%	76.7%					76.7%	23.3%							
Truck SUV	Four Wheel Drive	1993	780	0.931	19.7	14.6	18.7	16.4	4267		238.7	177	10.1	0.761	0.0421	35.0			20.2%	1.0%	78.8%					87.5%	12.5%							
Truck SUV	Four Wheel Drive	1994	1235	0.957	19.4	14.4	18.3	16.1	4278		240.2	179	10.1	0.763	0.0422	34.5			15.9%		84.1%					88.5%	11.5%		14.0%					
Truck SUV	Four Wheel Drive	1995	1439	0.901	19.4	14.3	18.2	16.0	4275		241.2	178	10.4	0.761	0.0420	34.3			15.3%		84.7%					87.8%	12.2%		16.8%					
Truck SUV	Four Wheel Drive	1996	1343	0.838	19.7	14.3	18.7	16.3	4335		258.2	188	10.5	0.744	0.0436	35.3			6.2%		93.8%					100.0%		0.0%	11.8%					
Truck SUV	Four Wheel Drive	1997	1711	0.819	19.6	14.2	18.4	16.1	4427		253.2	189	10.5	0.765	0.0427	35.7			11.0%		89.0%					100.0%		0.0%	17.5%					
Truck SUV	Four Wheel Drive	1998	1834	0.862	19.7	14.2	18.6	16.2	4414		249.4	188	10.8	0.781	0.0428	35.8			8.5%		91.5%					100.0%		0.0%	20.4%					
Truck SUV	Four Wheel Drive	1999	1859	0.794	20.0	14.3	18.6	16.3	4411		241.3	197	10.5	0.847	0.0448	36.0			7.3%		92.7%					100.0%			27.8%	3.7%				
Truck SUV	Four Wheel Drive	2000	2110	0.835	19.8	14.1	18.3	16.1	4536		247.4	202	10.1	0.842	0.0446	36.5			5.8%		94.2%					100.0%			22.3%	2.8%				
Truck SUV	Four Wheel Drive	2001	2072	0.765	20.2	14.4	18.5	16.4	4472		231.9	208	9.7	0.930	0.0466	36.6			4.8%		95.2%					100.0%			43.5%	14.9%				
Truck SUV	Four Wheel Drive	2002	2672	0.745	20.2	14.2	18.6	16.3	4585		237.8	224	9.5	0.962	0.0489	37.4			4.1%		95.8%	0.1%				100.0%			47.6%	25.7%				
Truck SUV	Four Wheel Drive	2003	2631	0.737	20.5	14.3	19.0	16.6	4670		239.3	228	9.4	0.978	0.0489	38.6			2.9%		95.4%	1.8%				100.0%			54.3%	34.3%				
Truck SUV	Four Wheel Drive	2004	3048	0.748	20.6	14.2	19.1	16.6	4705		244.7	236	9.2	0.988	0.0502	39.0			2.8%		95.8%	1.4%				100.0%		0.0%	55.6%	39.3%				
Truck SUV	Four Wheel Drive	2005	2525	0.772	20.9	14.4	19.2	16.8	4702		237.8	240	9.0	1.030	0.0509	39.5			2.7%		95.4%	1.9%				99.7%		0.3%	65.7%	50.2%	0.3%			
Truck SUV	Four Wheel Drive	2006	2320	0.772	21.5	14.8	19.7	17.2	4683		231.2	237	9.1	1.040	0.0504	40.5			2.9%		91.9%	5.1%				99.7%		0.3%	70.0%	59.1%	3.1%			
Truck SUV	Four Wheel Drive	2007	2497	0.753	22.1	15.2	20.3	17.7	4722		233.4	249	9.0	1.087	0.0524	42.0			2.5%		91.8%	5.7%				99.7%		0.3%	65.2%	55.7%	1.4%			
Truck SUV	Four Wheel Drive	2008	2327	0.757	22.8	15.6	20.8	18.2	4673		223.9	245	9.0	1.111	0.0521	42.7			2.0%		91.6%	6.4%			2.6%	96.8%		0.6%	73.0%	59.7%	2.7%			
Truck SUV	Four Wheel Drive	2009	1285	0.750	24.3	16.6	22.2	19.4	4471		205.1	238	8.8	1.169	0.0528	43.5			1.3%		86.6%	12.1%			5.4%	93.8%		0.8%	84.3%	69.6%	1.8%			
Truck SUV	Four Wheel Drive	2010	1792	0.777	24.9	17.0	22.6	19.8	4490		206.7	239	8.8	1.169	0.0529	44.8			2.2%	0.5%	85.5%	11.8%			9.1%	90.1%		0.8%	83.8%	85.0%	1.9%			
Truck SUV	Four Wheel Drive	2011	2373	0.773	25.0	17.1	22.8	19.9	4612		212.4	251	8.7	1.200	0.0540	46.1			1.4%	0.0%	85.7%	12.9%			12.1%	86.8%		1.1%	84.1%	91.7%	0.8%			
Truck SUV	Four Wheel Drive	2012	2214	0.799	25.3	17.2	23.0	20.1	4567		209.0	255	8.5	1.234	0.0554	46.1			2.1%		85.6%	12.3%			14.7%	83.7%		1.6%	89.4%	94.7%	0.8%			
Truck SUV	Four Wheel Drive	2013	2662	0.804	26.6	18.0	24.1	21.0	4518		198.2	251	8.5	1.296	0.0550	47.7			1.5%		83.2%	15.3%			23.8%	75.1%		1.1%	93.0%	98.6%	0.8%			
Truck SUV	Four Wheel Drive	2014	3031	0.818	27.7	18.7	25.0	21.9	4415		189.4	244	8.5	1.309	0.0546	48.5			1.5%		80.2%	18.4%			26.3%	72.4%		1.3%	89.4%	97.8%	0.7%			
Truck SUV	Four Wheel Drive	2015	3871	0.824	28.3	19.1	25.4	22.3	4456		190.5	246	8.5	1.314	0.0545	49.9			1.2%	0.4%	73.3%	25.1%			36.6%	62.2%		1.2%	92.9%	98.6%	0.6%			
Truck SUV	Four Wheel Drive	2016	3938	0.833	28.7	19.4	25.7	22.6	4422		184.5	246	8.4	1.361	0.0548	50.3			1.1%	0.3%	74.0%	24.7%			48.3%	51.0%		0.7%	94.5%	99.3%	1.6%			
Truck SUV	Four Wheel Drive	2017	-	0.835	28.7	19.4	25.5	22.5	4423		180.1	248	8.3	1.428	0.0555	50.1			1.2%	0.3%	75.8%	22.7%			46.0%	53.7%		0.4%	96.1%	99.6%	2.3%			

					Fuel Economy (MPG)						Engine									Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Pickup	Front Wheel Drive	1975																																
Pickup	Front Wheel Drive	1976																																
Pickup	Front Wheel Drive	1977																																
Pickup	Front Wheel Drive	1978																																
Pickup	Front Wheel Drive	1979																																
Pickup	Front Wheel Drive	1980	26	0.018	31.3	24.8	29.4	26.7	2265		94.0	65	18.3	0.685	0.0286	32.0			94.0%	6.0%							57.3%	42.7%						
Pickup	Front Wheel Drive	1981	33	0.023	36.9	29.1	34.8	31.4	2318		99.2	59	19.1	0.592	0.0253	37.1			100.0%								27.2%	72.8%						
Pickup	Front Wheel Drive	1982	32	0.022	33.0	25.8	31.7	28.1	2439		118.9	72	18.5	0.605	0.0295	35.1			77.4%	22.6%				55.3%			10.7%	34.0%						
Pickup	Front Wheel Drive	1983	31	0.019	31.1	23.8	31.0	26.5	2604		133.1	89	15.1	0.665	0.0341	34.8			55.7%	44.3%				94.5%			2.8%	2.7%						
Pickup	Front Wheel Drive	1984	12	0.006	28.1	21.2	28.6	24.0	2640		135.0	90	14.6	0.667	0.0342	31.7			71.0%	29.0%				100.0%										
Pickup	Front Wheel Drive	1985																																
Pickup	Front Wheel Drive	1986																																
Pickup	Front Wheel Drive	1987	0	0.000	20.0	14.5	21.4	17.0	4000		249.0	135	13.5	0.542	0.0338	34.1					100.0%						100.0%							
Pickup	Front Wheel Drive	1988	0	0.000	20.8	15.2	21.9	17.7	4000		275.0	155	12.4	0.564	0.0388	35.4					100.0%						100.0%							
Pickup	Front Wheel Drive	1989																																
Pickup	Front Wheel Drive	1990																																
Pickup	Front Wheel Drive	1991																																
Pickup	Front Wheel Drive	1992																																
Pickup	Front Wheel Drive	1993	0	0.000	20.9	14.4	22.7	17.6	4500		299.0	200	9.3	0.669	0.0444	39.7					100.0%					100.0%								
Pickup	Front Wheel Drive	1994																																
Pickup	Front Wheel Drive	1995																																
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Pickup	Front Wheel Drive	2014																																
Pickup	Front Wheel Drive	2015																																
Pickup	Front Wheel Drive	2016																																
Pickup	Front Wheel Drive	2017	-	0.010	28.2	18.7	26.4	22.4	4500		213.6	280	7.6	1.311	0.0622	50.5					100.0%				100.0%				100.0%	100.0%				

					Fuel Economy (MPG)						Engine							Transmission					Fuel Metering								Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Pickup	Rear Wheel Drive	1975	1161	0.865	14.5	11.4	13.8	12.4	3885		298.7	139		0.499	0.0355	24.6			41.5%	58.5%				100.0%										
Pickup	Rear Wheel Drive	1976	1476	0.791	15.4	12.3	14.2	13.1	3948		305.0	136		0.476	0.0343	26.5			40.3%	59.7%				100.0%										
Pickup	Rear Wheel Drive	1977	1593	0.786	16.8	13.5	15.3	14.2	3928		298.9	142		0.508	0.0359	28.7			39.0%	61.0%				100.0%										
Pickup	Rear Wheel Drive	1978	1656	0.730	16.7	13.6	15.0	14.2	3901		290.9	138	13.3	0.506	0.0352	28.6			40.0%	60.0%				98.4%				1.6%						
Pickup	Rear Wheel Drive	1979	1930	0.874	15.5	12.7	13.8	13.2	4170		290.9	136	14.9	0.495	0.0327	28.1			36.3%	62.2%	1.5%			97.2%				2.8%						
Pickup	Rear Wheel Drive	1980	1108	0.771	20.1	16.0	18.6	17.1	3689		235.0	117	15.4	0.545	0.0318	31.8			55.8%	20.9%	23.4%			95.7%				4.3%						
Pickup	Rear Wheel Drive	1981	1164	0.808	21.1	16.7	19.6	17.9	3708		243.3	117	15.4	0.511	0.0316	33.7			52.6%	16.5%	31.0%			93.8%				6.2%						
Pickup	Rear Wheel Drive	1982	1154	0.801	22.0	17.4	20.6	18.7	3595		229.6	117	16.3	0.542	0.0326	34.2			49.4%	17.7%	32.9%			90.2%				9.8%						
Pickup	Rear Wheel Drive	1983	1239	0.761	22.6	17.9	21.3	19.2	3463		210.3	112	15.1	0.564	0.0320	34.0			53.3%	15.4%	31.1%		0.2%	95.7%			0.0%	4.3%						
Pickup	Rear Wheel Drive	1984	1526	0.747	22.1	17.4	20.9	18.8	3519		212.4	112	15.0	0.562	0.0318	33.6			52.1%	15.0%	32.9%			96.0%		1.3%		2.7%						
Pickup	Rear Wheel Drive	1985	1550	0.746	21.9	17.3	20.6	18.7	3527		218.5	121	14.1	0.585	0.0340	33.5			47.9%	15.9%	36.2%			82.2%		11.0%	5.7%	1.1%						
Pickup	Rear Wheel Drive	1986	1895	0.748	23.0	18.1	21.6	19.5	3439		201.6	117	13.5	0.619	0.0340	33.9			56.7%	12.5%	30.8%			63.3%		18.6%	17.5%	0.6%						
Pickup	Rear Wheel Drive	1987	1598	0.745	23.5	18.2	22.2	19.9	3386		195.2	119	13.6	0.635	0.0348	34.0			58.0%	13.6%	28.4%			43.0%		23.7%	33.1%	0.3%						
Pickup	Rear Wheel Drive	1988	1760	0.716	22.5	17.3	21.4	19.0	3578		219.7	130	13.3	0.620	0.0360	34.2			51.5%	10.6%	37.9%			21.0%		30.1%	48.7%	0.1%						
Pickup	Rear Wheel Drive	1989	1586	0.711	22.2	16.9	21.0	18.7	3633		226.3	137	12.4	0.630	0.0373	34.1			52.5%	6.0%	41.5%			13.5%		34.0%	52.4%	0.1%						
Pickup	Rear Wheel Drive	1990	1322	0.721	21.7	16.4	20.7	18.2	3759		236.3	146	11.3	0.651	0.0386	34.6			46.2%	4.7%	49.1%			8.3%		52.0%	39.6%	0.1%						
Pickup	Rear Wheel Drive	1991	1444	0.752	22.9	17.1	21.8	19.1	3608		221.8	139	11.5	0.656	0.0383	34.7			53.7%	1.4%	44.9%			4.2%		46.1%	49.6%	0.1%						
Pickup	Rear Wheel Drive	1992	1356	0.737	21.9	16.3	21.1	18.3	3810		234.8	145	11.2	0.645	0.0380	35.1			48.3%	1.1%	50.6%			4.4%		57.4%	38.1%	0.1%						
Pickup	Rear Wheel Drive	1993	1449	0.724	22.2	16.3	21.2	18.5	3825		233.9	150	10.3	0.668	0.0391	35.4			45.2%	1.1%	53.7%			2.9%		60.6%	36.5%							
Pickup	Rear Wheel Drive	1994	1886	0.707	22.3	16.3	21.1	18.4	3861		234.7	156	10.2	0.695	0.0403	35.8			42.3%	1.3%	56.4%			1.1%		72.5%	26.4%		0.7%					
Pickup	Rear Wheel Drive	1995	1521	0.670	21.8	15.9	20.7	18.0	3960		239.0	158	10.3	0.703	0.0399	36.1			45.2%	1.3%	53.4%					72.9%	27.1%		3.6%					
Pickup	Rear Wheel Drive	1996	1382	0.707	22.0	15.9	20.8	18.1	3992		234.9	167	10.6	0.744	0.0416	36.5			38.5%	1.9%	59.6%		0.0%			99.9%		0.1%	11.7%					
Pickup	Rear Wheel Drive	1997	1573	0.653	21.9	15.7	20.7	18.0	4123		243.6	184	10.2	0.770	0.0440	37.3			31.2%		68.8%					100.0%		0.0%	7.5%					
Pickup	Rear Wheel Drive	1998	1574	0.652	22.3	15.9	21.0	18.2	4021		231.2	177	10.6	0.788	0.0436	36.9			31.3%	2.3%	66.3%					100.0%		0.0%	10.3%					
Pickup	Rear Wheel Drive	1999	1392	0.547	21.5	15.3	20.3	17.6	4113		240.9	186	10.4	0.787	0.0448	36.3			22.6%	1.7%	75.7%					100.0%			8.4%					
Pickup	Rear Wheel Drive	2000	1609	0.616	21.6	15.3	20.1	17.5	4112		237.1	190	9.9	0.810	0.0455	36.1			20.4%	1.3%	78.3%					100.0%			12.3%					
Pickup	Rear Wheel Drive	2001	1544	0.613	20.7	14.6	19.2	16.8	4341		251.9	204	9.6	0.818	0.0464	36.5			14.5%	1.4%	84.1%					100.0%			13.8%					
Pickup	Rear Wheel Drive	2002	1372	0.576	20.5	14.5	18.8	16.6	4473		256.4	214	9.5	0.841	0.0475	37.0			11.4%	1.5%	87.1%					100.0%			21.1%					
Pickup	Rear Wheel Drive	2003	1498	0.605	21.0	14.7	19.2	16.9	4444		247.1	206	9.7	0.843	0.0459	37.5			12.3%	1.5%	86.2%					100.0%			15.8%					
Pickup	Rear Wheel Drive	2004	1344	0.537	20.4	14.2	18.6	16.4	4712		267.0	234	9.2	0.878	0.0492	38.6			8.6%	1.8%	89.6%					100.0%			30.2%	13.5%	0.0%			
Pickup	Rear Wheel Drive	2005	1226	0.533	20.4	14.0	18.8	16.4	4752		272.0	247	8.8	0.910	0.0518	38.9			7.2%		92.8%					100.0%			38.4%	35.8%	0.1%			
Pickup	Rear Wheel Drive	2006	1185	0.542	20.9	14.4	19.1	16.8	4747		266.6	242	9.0	0.911	0.0507	39.7			7.8%		92.2%					100.0%			44.8%	42.6%	0.1%			
Pickup	Rear Wheel Drive	2007	1154	0.546	20.9	14.3	19.3	16.8	4915		273.2	251	9.1	0.920	0.0508	41.2			5.6%		94.4%					100.0%			36.6%	38.5%	0.0%			
Pickup	Rear Wheel Drive	2008	942	0.525	21.4	14.6	19.7	17.1	4929		271.2	259	9.1	0.951	0.0520	42.4			5.1%		94.9%					100.0%			38.4%	34.3%				
Pickup	Rear Wheel Drive	2009	489	0.494	21.9	15.0	20.3	17.6	4935		271.8	261	8.7	0.963	0.0524	43.3			4.4%		95.4%	0.2%				100.0%			41.5%	34.1%	0.2%			
Pickup	Rear Wheel Drive	2010	549	0.430	21.9	15.0	20.3	17.6	4996		273.6	269	8.6	0.984	0.0534	43.8			2.6%		97.2%	0.2%				100.0%			58.4%	60.9%	0.2%			
Pickup	Rear Wheel Drive	2011	588	0.397	22.4	15.3	20.7	18.0	4954		262.8	277	8.4	1.058	0.0552	44.5			2.5%		97.4%	0.1%			4.8%	95.2%			54.0%	76.0%	0.1%			
Pickup	Rear Wheel Drive	2012	510	0.376	22.2	15.2	20.7	17.9	5035		274.3	297	8.1	1.087	0.0584	45.0			1.5%		98.5%	0.1%			5.5%	94.5%			58.3%	90.2%	0.1%			
Pickup	Rear Wheel Drive	2013	581	0.368	22.7	15.5	21.1	18.2	5108		271.5	305	8.0	1.131	0.0591	46.6			1.2%		98.8%	0.0%			7.5%	92.5%			63.8%	92.6%	0.0%			
Pickup	Rear Wheel Drive	2014	677	0.351	23.6	16.0	21.9	18.9	5161		280.6	315	7.7	1.132	0.0607	48.8			0.7%		99.3%				39.7%	60.3%			51.7%	99.6%				
Pickup	Rear Wheel Drive	2015	591	0.331	24.6	16.7	22.7	19.7	4921		261.1	303	7.7	1.195	0.0611	48.5			0.9%		99.1%				49.1%	49.8%		1.0%	59.0%	93.8%				
Pickup	Rear Wheel Drive	2016	628	0.329	24.9	16.9	23.0	19.9	4865		249.1	303	7.6	1.256	0.0619	48.5			0.8%		99.2%				45.7%	53.4%		1.0%	68.5%	93.6%	0.1%			
Pickup	Rear Wheel Drive	2017	-	0.339	24.4	16.5	22.6	19.5	5090		272.7	322	7.4	1.220	0.0629	49.7			0.9%		99.1%				53.2%	45.9%		0.9%	58.5%	93.3%	0.1%			

					Fuel Economy (MPG)						Engine							Transmission					Fuel Metering							Vehicle Size		
Vehicle Type	Drive Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/ CID	HP/ WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Midsize	Large
Pickup	Four Wheel Drive	1975	182	0.135	11.4	9.3	10.2	9.7	4822		353.3	154		0.437	0.0322	23.6			38.4%	61.6%				100.0%										
Pickup	Four Wheel Drive	1976	390	0.209	12.4	10.1	11.2	10.5	4780		358.7	154		0.428	0.0323	25.3			33.3%	66.7%				100.0%										
Pickup	Four Wheel Drive	1977	433	0.214	13.6	11.1	12.1	11.5	4695		362.7	164		0.452	0.0351	27.2			24.7%	75.3%				100.0%										
Pickup	Four Wheel Drive	1978	612	0.270	13.5	11.1	12.0	11.5	4654		347.8	161	13.5	0.468	0.0345	26.8			30.2%	69.8%				100.0%				0.0%						
Pickup	Four Wheel Drive	1979	277	0.126	15.6	13.0	14.2	13.5	3947		260.1	132	15.2	0.551	0.0325	27.3			64.9%	35.1%				100.0%				0.0%						
Pickup	Four Wheel Drive	1980	302	0.211	16.9	13.6	15.4	14.3	4054		251.1	126	15.8	0.552	0.0308	29.1			66.8%	14.6%	18.6%			99.7%				0.3%						
Pickup	Four Wheel Drive	1981	243	0.168	19.6	15.7	18.1	16.7	3732		223.8	115	15.8	0.561	0.0307	31.4			76.4%	9.0%	14.7%			97.7%				2.3%						
Pickup	Four Wheel Drive	1982	255	0.177	19.7	15.8	18.2	16.8	3934		235.9	119	16.7	0.552	0.0306	33.5			71.4%	10.8%	17.7%			90.4%				9.6%						
Pickup	Four Wheel Drive	1983	359	0.221	20.3	16.1	19.0	17.3	3901		223.6	117	15.5	0.564	0.0301	34.1			66.6%	12.4%	19.9%		1.1%	95.2%			0.1%	4.8%						
Pickup	Four Wheel Drive	1984	505	0.247	19.7	15.6	18.4	16.8	3943		226.4	120	15.3	0.564	0.0302	33.5			62.7%	18.2%	19.1%			97.2%		0.1%		2.7%						
Pickup	Four Wheel Drive	1985	528	0.254	19.9	15.7	18.7	16.9	3981		229.8	129	14.4	0.597	0.0323	34.1			62.4%	11.4%	26.2%			84.6%		12.7%	1.1%	1.5%						
Pickup	Four Wheel Drive	1986	638	0.252	20.2	15.9	18.9	17.1	3974		219.0	130	13.7	0.634	0.0327	34.4			63.3%	7.3%	29.4%			52.5%		29.0%	17.7%	0.7%						
Pickup	Four Wheel Drive	1987	548	0.255	20.0	15.7	18.7	16.9	3937		222.2	137	13.4	0.648	0.0347	33.6			59.9%	10.0%	30.1%			34.4%		36.4%	28.8%	0.4%						
Pickup	Four Wheel Drive	1988	699	0.284	19.3	14.9	18.2	16.3	4137		253.4	156	12.8	0.644	0.0375	33.9			49.7%	9.4%	40.9%			3.8%		48.7%	47.1%	0.4%						
Pickup	Four Wheel Drive	1989	645	0.289	19.0	14.6	17.9	16.0	4221		259.0	158	12.3	0.638	0.0372	33.9			52.3%	6.1%	41.5%			1.5%		50.5%	47.8%	0.3%						
Pickup	Four Wheel Drive	1990	512	0.279	18.6	14.0	17.7	15.6	4364		273.1	166	11.3	0.637	0.0380	34.2			44.9%	3.5%	51.7%					53.5%	46.1%	0.3%						
Pickup	Four Wheel Drive	1991	477	0.248	18.9	14.2	17.9	15.8	4299		262.5	167	11.3	0.666	0.0388	34.2			47.5%	1.6%	50.8%					53.5%	46.1%	0.4%						
Pickup	Four Wheel Drive	1992	484	0.263	18.5	13.8	17.7	15.5	4443		272.2	167	11.3	0.638	0.0376	34.5			43.7%	0.1%	56.2%					59.7%	40.0%	0.3%						
Pickup	Four Wheel Drive	1993	553	0.276	18.8	13.9	17.8	15.6	4444		270.0	172	10.4	0.661	0.0386	34.8			40.5%		59.5%					62.9%	37.1%							
Pickup	Four Wheel Drive	1994	783	0.293	18.6	13.7	17.5	15.4	4528		278.5	180	10.1	0.668	0.0396	35.0			34.6%		65.4%					62.2%	37.8%		5.7%					
Pickup	Four Wheel Drive	1995	750	0.330	18.0	13.2	17.0	14.9	4633		292.1	186	10.3	0.655	0.0400	34.7			28.3%		71.7%					62.8%	37.2%		9.5%					
Pickup	Four Wheel Drive	1996	573	0.293	18.3	13.3	17.3	15.1	4668		291.2	204	10.2	0.719	0.0437	35.4			25.4%		74.5%		0.1%			99.6%		0.4%	17.1%					
Pickup	Four Wheel Drive	1997	834	0.347	18.2	13.1	17.3	15.0	4965		302.4	218	10.1	0.729	0.0439	37.2			14.0%		86.0%					99.9%		0.1%	5.3%					
Pickup	Four Wheel Drive	1998	841	0.348	18.3	13.1	17.4	15.1	4771		290.8	213	10.3	0.745	0.0445	35.8			19.9%		80.1%					99.9%		0.1%	13.0%					
Pickup	Four Wheel Drive	1999	1153	0.453	18.2	13.1	17.0	14.9	4938		299.5	227	10.2	0.763	0.0459	36.8			11.4%		88.6%					100.0%		0.0%	6.9%					
Pickup	Four Wheel Drive	2000	1003	0.384	18.9	13.6	17.3	15.4	4705		284.2	224	9.6	0.791	0.0473	36.1			10.7%		89.3%					100.0%			13.3%					
Pickup	Four Wheel Drive	2001	975	0.387	18.1	12.9	16.6	14.7	4885		295.6	235	9.3	0.802	0.0481	36.0			8.0%		92.0%					100.0%			11.1%					
Pickup	Four Wheel Drive	2002	1008	0.424	18.2	12.9	16.7	14.8	4985		291.5	242	9.4	0.834	0.0486	36.8			7.0%		93.0%					100.0%			13.2%					
Pickup	Four Wheel Drive	2003	976	0.395	18.5	13.1	16.9	14.9	4944		290.7	248	9.1	0.855	0.0500	36.9			7.3%		92.7%					100.0%			12.4%					
Pickup	Four Wheel Drive	2004	1161	0.463	18.7	13.1	17.0	15.0	5202		298.3	266	9.0	0.892	0.0511	39.0			5.1%		94.9%					100.0%			34.9%	25.0%	0.0%			
Pickup	Four Wheel Drive	2005	1075	0.467	19.0	13.2	17.4	15.3	5257		297.6	274	8.8	0.926	0.0523	40.1			4.0%		96.0%					100.0%			43.7%	42.9%	0.0%			
Pickup	Four Wheel Drive	2006	1003	0.458	19.3	13.4	17.6	15.5	5228		291.3	272	8.9	0.942	0.0522	40.3			4.2%		95.8%					100.0%			54.1%	53.3%	0.2%			
Pickup	Four Wheel Drive	2007	960	0.454	19.3	13.3	17.7	15.5	5420		302.2	290	8.8	0.960	0.0534	41.9			2.8%		97.2%					100.0%			44.2%	41.7%	0.0%			
Pickup	Four Wheel Drive	2008	852	0.475	19.6	13.5	18.1	15.8	5417		303.2	295	8.7	0.974	0.0544	42.7			2.9%		97.1%					100.0%			44.5%	41.7%				
Pickup	Four Wheel Drive	2009	501	0.506	20.2	13.9	18.7	16.3	5411		301.5	294	8.4	0.979	0.0543	43.9			3.8%		95.9%	0.2%				100.0%			43.3%	39.5%	0.2%			
Pickup	Four Wheel Drive	2010	728	0.570	20.3	13.9	18.8	16.3	5544		307.1	304	8.3	0.990	0.0548	45.3			2.3%		97.7%	0.1%				100.0%			61.0%	63.3%	0.1%			
Pickup	Four Wheel Drive	2011	891	0.603	20.8	14.2	19.4	16.8	5475		295.0	321	8.0	1.104	0.0584	46.0			1.8%		98.1%	0.1%			9.5%	90.5%			47.5%	92.8%	0.1%			
Pickup	Four Wheel Drive	2012	847	0.624	20.8	14.2	19.5	16.8	5515		293.4	329	7.9	1.143	0.0594	46.5			1.5%		98.5%	0.0%			13.2%	86.8%			54.2%	97.3%	0.0%			
Pickup	Four Wheel Drive	2013	996	0.632	21.1	14.4	19.8	17.1	5616		287.7	341	7.7	1.217	0.0605	48.0			1.2%		98.8%	0.0%			19.9%	80.1%			60.7%	98.8%	0.0%			
Pickup	Four Wheel Drive	2014	1252	0.649	21.8	14.9	20.4	17.6	5660		299.1	344	7.6	1.173	0.0606	50.0			0.7%		99.3%				47.9%	52.1%			47.2%	99.1%				
Pickup	Four Wheel Drive	2015	1195	0.669	22.9	15.7	21.2	18.4	5285		285.3	335	7.5	1.213	0.0634	48.9			0.9%		99.1%				58.0%	39.8%		2.2%	50.8%	88.7%				
Pickup	Four Wheel Drive	2016	1278	0.671	23.1	15.7	21.2	18.5	5291		274.4	335	7.4	1.271	0.0635	49.0			0.7%		99.3%				51.9%	45.2%		2.9%	59.5%	87.6%	0.0%			
Pickup	Four Wheel Drive	2017	-	0.651	23.2	15.8	21.5	18.6	5338		279.8	344	7.2	1.277	0.0646	49.7			0.7%		99.3%				58.1%	40.6%		1.3%	52.6%	92.7%	0.0%			

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A1	1975																											
Car	A1	1976																											
Car	A1	1977																											
Car	A1	1978																											
Car	A1	1979																											
Car	A1	1980																											
Car	A1	1981																											
Car	A1	1982																											
Car	A1	1983																											
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Car	A1	2005																											
Car	A1	2006																											
Car	A1	2007																											
Car	A1	2008																											
Car	A1	2009																											
Car	A1	2010																											
Car	A1	2011	0	0.000	75.5	52.3	52.9	52.7	4000	125.0		134	11.4		0.0335	105.3	6581	13162	100.0%										
Car	A1	2012	0	0.000	75.5	52.3	52.9	52.7	4000	125.0		134	11.4		0.0335	105.3	6581	13162	100.0%										
Car	A1	2013																											
Car	A1	2014																											
Car	A1	2015																											
Car	A1	2016																											
Car	A1	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A3	1975																											
Car	A3	1976																											
Car	A3	1977																											
Car	A3	1978	8125	0.727	18.6	14.6	17.8	15.9	3819	114.4	283	134	13.6	0.493	0.0347	30.4	1845	3490	3.9%		96.1%	96.3%		3.2%		0.5%			
Car	A3	1979	7462	0.691	19.0	15.0	17.8	16.2	3729	115.0	269	129	14.3	0.501	0.0343	30.2	1882	3488	5.6%		94.4%	95.1%		3.0%		1.9%			
Car	A3	1980	4814	0.510	22.3	17.6	21.2	19.0	3215	107.8	203	106	15.6	0.562	0.0328	30.6	2075	3316	29.3%	0.8%	69.9%	92.9%		3.9%	0.9%	2.3%			
Car	A3	1981	3027	0.347	24.4	19.2	22.9	20.7	2958	106.5	165	95	16.1	0.621	0.0321	30.7	2238	3279	56.9%	0.0%	43.1%	87.1%		5.9%	5.1%	1.8%			
Car	A3	1982	1251	0.160	27.9	22.3	25.8	23.7	2679	101.1	124	84	18.1	0.684	0.0311	31.9	2434	3239	76.5%		23.5%	89.3%		8.9%	0.1%	1.8%			
Car	A3	1983	1158	0.145	28.2	22.6	25.9	24.0	2749	106.1	130	85	16.5	0.670	0.0309	33.1	2588	3522	76.1%	5.6%	18.3%	84.9%		7.0%	7.1%	1.0%			
Car	A3	1984	1667	0.156	28.3	22.4	26.5	24.1	2741	106.0	129	88	15.9	0.691	0.0321	33.1	2578	3510	94.0%	0.4%	5.7%	74.3%		13.1%	12.2%	0.4%			
Car	A3	1985	1798	0.167	28.8	22.8	26.9	24.5	2764	105.8	129	99	14.6	0.769	0.0356	34.0	2626	3600	92.8%	1.1%	6.1%	47.0%		18.0%	34.9%	0.1%			
Car	A3	1986	1743	0.158	28.8	22.7	26.8	24.4	2778	105.5	130	97	14.3	0.756	0.0348	34.0	2608	3584	92.0%	1.8%	6.2%	34.7%		22.6%	42.7%		0.4%		
Car	A3	1987	1498	0.140	28.2	21.9	26.5	23.9	2763	105.1	130	97	14.5	0.752	0.0349	33.1	2538	3478	96.0%	2.4%	1.6%	21.0%		22.2%	56.9%		0.6%		
Car	A3	1988	892	0.083	28.7	22.3	26.7	24.2	2792	103.4	125	98	14.6	0.795	0.0350	33.9	2540	3502	96.9%	1.7%	1.4%	8.4%		54.3%	37.3%		1.1%		
Car	A3	1989	815	0.081	28.8	22.2	26.5	24.1	2819	102.8	126	97	14.3	0.774	0.0341	34.0	2526	3500	95.9%	2.8%	1.3%	4.9%		64.8%	30.3%		2.3%		
Car	A3	1990	535	0.061	28.8	22.1	26.5	24.0	2869	101.6	129	98	13.3	0.774	0.0341	34.6	2480	3517	97.9%	1.0%	1.1%			73.6%	26.4%		5.8%		
Car	A3	1991	368	0.043	27.3	20.8	25.1	22.7	2834	99.5	125	96	13.7	0.784	0.0334	32.4	2314	3217	97.8%	1.2%	1.0%			79.6%	20.4%		11.0%		
Car	A3	1992	394	0.049	29.3	22.0	27.0	24.3	2799	99.2	126	98	13.3	0.797	0.0345	34.1	2454	3378	97.8%	1.6%	0.6%			77.4%	22.6%		9.3%		
Car	A3	1993	351	0.042	29.5	22.1	27.1	24.3	2819	100.6	128	96	12.5	0.767	0.0338	34.4	2483	3460	99.4%	0.6%	0.0%			85.4%	14.6%		13.3%		
Car	A3	1994	267	0.032	30.6	22.7	27.9	25.1	2735	100.2	120	91	12.7	0.784	0.0330	34.4	2574	3451	99.8%	0.2%				81.1%	18.9%		13.0%		
Car	A3	1995	67	0.007	36.8	27.5	32.2	29.7	2358	99.8	84	80	13.6	0.945	0.0336	35.0	2971	3499	100.0%					43.4%	56.6%		43.4%		
Car	A3	1996	71	0.009	36.7	27.2	32.0	29.5	2322	99.9	94	77	14.0	0.818	0.0329	34.3	2950	3422	100.0%					30.8%	69.2%		30.8%		
Car	A3	1997	49	0.006	37.2	27.4	32.3	29.8	2250	90.5	79	70	14.7	0.886	0.0311	33.5	2693	3030	100.0%						100.0%				
Car	A3	1998	20	0.003	37.5	27.4	32.4	29.8	2250	89.7	79	79	13.9	1.000	0.0351	33.6	2678	3013	100.0%					100.0%			100.0%		
Car	A3	1999	17	0.002	37.4	27.0	32.3	29.6	2250	87.8	79	79	13.8	1.000	0.0351	33.3	2602	2927	100.0%					100.0%			100.0%		
Car	A3	2000	26	0.003	37.4	26.8	32.1	29.5	2250	87.8	79	79	13.3	1.000	0.0351	33.1	2587	2911	7.1%		92.9%			100.0%			100.0%		
Car	A3	2001	19	0.002	37.3	26.5	32.0	29.3	2250	87.6	80	79	13.0	0.990	0.0351	32.9	2565	2886	100.0%					100.0%			16.4%		
Car	A3	2002																											
Car	A3	2003																											
Car	A3	2004																											
Car	A3	2005																											
Car	A3	2006																											
Car	A3	2007																											
Car	A3	2008																											
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Car	A3	2011																											
Car	A3	2012																											
Car	A3	2013																											
Car	A3	2014																											
Car	A3	2015																											
Car	A3	2016																											
Car	A3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A4	1975																											
Car	A4	1976																											
Car	A4	1977																											
Car	A4	1978	42	0.004	22.0	17.7	20.0	18.7	3589	102.4	167	105	15.8	0.632	0.0298	34.4	1959	3515			100.0%	36.6%		15.1%		48.3%			
Car	A4	1979	58	0.005	22.8	18.4	20.7	19.4	3567	100.6	168	102	16.5	0.609	0.0291	35.6	2004	3630			100.0%	20.3%		23.5%		56.1%			
Car	A4	1980	57	0.006	24.5	20.2	21.6	20.8	3477	101.0	169	95	17.2	0.569	0.0280	36.8	2129	3763			100.0%			39.8%		60.2%			
Car	A4	1981	136	0.016	26.0	20.9	23.9	22.1	3277	94.6	165	105	15.6	0.635	0.0322	36.7	2136	3504			100.0%	41.4%		32.1%		26.5%			
Car	A4	1982	230	0.029	24.4	19.2	23.1	20.8	3456	107.6	194	114	16.0	0.624	0.0332	36.3	2256	3912			100.0%	23.5%		32.7%	24.5%	19.4%			
Car	A4	1983	183	0.023	27.1	21.7	24.8	23.0	3325	99.1	156	112	14.8	0.723	0.0338	38.7	2331	3871	10.1%	4.2%	85.7%	13.0%		59.5%		27.5%			
Car	A4	1984	206	0.019	25.4	20.1	23.8	21.6	3377	99.5	166	127	13.5	0.775	0.0377	37.1	2205	3715			100.0%			80.0%		20.0%			
Car	A4	1985	200	0.019	24.7	19.8	22.7	21.0	3408	100.5	168	129	13.2	0.790	0.0381	36.3	2165	3661			100.0%			82.3%		17.7%			
Car	A4	1986	154	0.014	22.6	17.9	21.0	19.2	3514	105.6	191	158	11.4	0.852	0.0443	34.2	2105	3647			100.0%			95.8%		4.2%	0.5%		
Car	A4	1987	181	0.017	23.1	18.1	21.5	19.5	3519	105.9	191	161	11.4	0.871	0.0452	34.9	2143	3734			100.0%			87.1%		12.9%	1.1%		
Car	A4	1988	142	0.013	22.5	17.4	21.0	18.9	3504	104.6	188	161	11.4	0.886	0.0455	33.4	2039	3523	5.9%		94.1%			99.5%		0.5%	0.8%		
Car	A4	1989	147	0.015	22.4	17.2	21.0	18.8	3546	106.6	184	163	11.0	0.912	0.0455	33.6	2050	3600	4.0%		96.0%			99.8%		0.2%	3.1%		
Car	A4	1990	117	0.013	22.7	17.2	21.3	19.0	3652	110.1	175	160	10.7	0.926	0.0434	34.9	2121	3838	7.5%	0.4%	92.0%			98.3%		1.7%	4.5%		
Car	A4	1991	131	0.015	23.1	17.3	21.9	19.3	3662	106.2	177	167	10.6	0.970	0.0453	35.6	2089	3786	11.3%	5.1%	83.6%			95.4%		4.6%	13.8%		
Car	A4	1992	100	0.012	22.9	17.0	21.9	19.1	3757	107.3	182	181	10.1	0.986	0.0472	36.1	2094	3877	10.4%	5.0%	84.7%			96.0%		4.0%	17.7%	20.3%	
Car	A4	1993	83	0.010	23.6	17.4	22.5	19.6	3853	109.5	186	186	9.4	0.991	0.0474	37.9	2175	4148	10.8%	0.9%	88.3%			100.0%			41.2%	19.6%	
Car	A4	1994	65	0.008	23.7	17.2	22.8	19.7	3946	106.1	201	219	8.3	1.098	0.0548	38.9	2118	4136	2.2%	0.0%	97.8%			98.9%		1.1%	83.4%	25.7%	
Car	A4	1995	91	0.010	24.7	17.9	23.7	20.4	3996	103.8	202	217	8.8	1.079	0.0537	41.2	2176	4297			100.0%			93.8%		6.2%	95.3%	27.7%	
Car	A4	1996	44	0.006	27.1	19.3	26.1	22.3	3720	104.4	171	172	10.1	1.008	0.0460	41.8	2351	4383			100.0%			94.0%		6.0%	98.2%	2.6%	
Car	A4	1997	1	0.000	22.6	15.7	22.7	18.7	3500	59.9	220	270	7.0	1.227	0.0771	32.8	1120	1961			100.0%			100.0%				100.0%	
Car	A4	1998	7	0.001	30.6	20.7	31.3	25.2	2920	102.0	109	109	12.9	0.981	0.0367	36.9	2608	3773	95.2%		4.8%			100.0%			35.3%	4.8%	
Car	A4	1999	28	0.003	28.2	19.3	28.0	23.1	3192	109.1	123	125	11.6	1.023	0.0392	36.8	2525	4022	100.0%					100.0%			100.0%		
Car	A4	2000	70	0.008	28.1	19.0	27.9	23.0	3104	107.6	119	122	11.1	1.031	0.0395	35.6	2477	3840	100.0%					100.0%			100.0%		
Car	A4	2001	48	0.006	28.0	18.8	27.7	22.8	3117	107.8	119	121	11.1	1.027	0.0390	35.4	2458	3826	100.0%					100.0%			100.0%		
Car	A4	2002	15	0.002	27.7	18.6	26.9	22.4	3095	107.7	118	121	11.2	1.028	0.0392	34.7	2421	3740	100.0%					100.0%			100.0%		
Car	A4	2003																											
Car	A4	2004	16	0.002	26.4	17.6	25.4	21.3	3500	114.5	152	113	12.2	0.743	0.0323	37.3	2437	4265	100.0%					100.0%			100.0%		
Car	A4	2005	7	0.001	26.4	17.5	25.3	21.2	3500	114.5	152	113	12.2	0.743	0.0323	37.1	2430	4252	100.0%					100.0%			100.0%		
Car	A4	2006	2	0.000	26.2	17.3	25.1	21.0	3500	114.5	152	154	10.0	1.013	0.0440	36.8	2409	4216	100.0%					100.0%			100.0%		
Car	A4	2007																											
Car	A4	2008																											
Car	A4	2009																											
Car	A4	2010																											
Car	A4	2011																											
Car	A4	2012																											
Car	A4	2013																											
Car	A4	2014																											
Car	A4	2015																											
Car	A4	2016																											
Car	A4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A5	1975																											
Car	A5	1976																											
Car	A5	1977																											
Car	A5	1978																											
Car	A5	1979																											
Car	A5	1980																											
Car	A5	1981																											
Car	A5	1982																											
Car	A5	1983																											
Car	A5	1984																											
Car	A5	1985																											
Car	A5	1986																											
Car	A5	1987																											
Car	A5	1988																											
Car	A5	1989																											
Car	A5	1990	2	0.000	21.5	15.9	21.5	18.1	4000	50.0	181	228	8.4	1.260	0.0570	36.3	907	1815			100.0%			100.0%			100.0%		
Car	A5	1991	3	0.000	21.9	15.8	22.3	18.4	4000	50.0	181	228	8.5	1.260	0.0570	36.8	921	1842			100.0%			100.0%			100.0%		
Car	A5	1992	6	0.001	20.1	14.7	19.7	16.8	4372	104.8	191	228	8.7	1.192	0.0523	36.8	1739	3854			100.0%			100.0%			100.0%		
Car	A5	1993	6	0.001	19.7	14.4	19.1	16.4	4941	114.6	193	228	8.8	1.180	0.0462	40.6	1869	4647			100.0%			100.0%			100.0%		
Car	A5	1994	5	0.001	22.8	16.1	23.3	19.1	4854	102.1	195	217	8.9	1.113	0.0448	46.3	1941	4780			100.0%			100.0%			100.0%		
Car	A5	1995	13	0.001	23.1	16.2	23.4	19.3	4500	109.6	195	217	8.7	1.113	0.0482	43.3	2112	4751			100.0%			100.0%			100.0%		
Car	A5	1996	9	0.001	23.1	16.2	23.3	19.2	4500	105.4	195	217	9.1	1.113	0.0482	43.2	2025	4557			100.0%			100.0%			100.0%		
Car	A5	1997	1	0.000	22.4	15.5	22.8	18.6	3000	50.0	151	201	7.7	1.331	0.0670	27.9	931	1397			100.0%			100.0%			100.0%	100.0%	
Car	A5	1998	1	0.000	22.4	15.4	22.7	18.6	3000	50.0	151	201	8.0	1.331	0.0670	27.9	929	1393			100.0%			100.0%			100.0%	100.0%	
Car	A5	1999	6	0.001	22.5	15.3	23.1	18.7	3239	62.0	178	246	7.3	1.378	0.0754	30.2	1158	1906		5.4%	94.6%			100.0%			100.0%	100.0%	
Car	A5	2000	5	0.001	23.0	15.5	23.2	18.9	3292	59.9	187	255	6.8	1.358	0.0770	31.1	1133	1882		6.7%	93.3%			100.0%			100.0%	100.0%	
Car	A5	2001	6	0.001	22.6	15.2	22.8	18.6	3338	62.5	193	276	6.5	1.423	0.0823	31.0	1158	1949		22.2%	77.8%			100.0%			100.0%	100.0%	
Car	A5	2002	5	0.001	23.6	15.9	23.1	19.2	3327	61.4	197	273	6.6	1.381	0.0816	32.0	1184	1990		14.4%	85.6%			100.0%			100.0%	100.0%	
Car	A5	2003																											
Car	A5	2004	3	0.000	23.6	15.7	23.2	19.2	3500	62.8	199	282	6.7	1.410	0.0806	33.7	1204	2107		28.0%	72.0%			100.0%			100.0%	100.0%	
Car	A5	2005	1	0.000	26.0	17.4	24.4	20.8	3500	50.0	176	255	7.0	1.453	0.0729	36.4	1041	1822			100.0%			100.0%			100.0%	100.0%	
Car	A5	2006	3	0.000	26.4	17.7	24.7	21.1	3500	50.0	182	269	6.8	1.478	0.0769	36.9	1055	1846			100.0%			100.0%			100.0%	100.0%	
Car	A5	2007																											
Car	A5	2008	22	0.003	49.5	33.4	40.5	37.1	2000	50.0	61	70	13.2	1.148	0.0350	37.1	1857	1857			100.0%			100.0%			100.0%	100.0%	
Car	A5	2009	14	0.003	49.5	33.4	40.5	37.1	2000	50.0	61	70	12.9	1.148	0.0350	37.1	1857	1857			100.0%			100.0%			100.0%	100.0%	
Car	A5	2010	3	0.001	49.1	33.3	40.0	36.8	2000	50.0	61	70	13.0	1.148	0.0350	36.8	1841	1841			100.0%			100.0%			100.0%	100.0%	
Car	A5	2011	3	0.001	48.7	32.7	38.2	35.6	2000	50.0	61	70	13.0	1.148	0.0350	35.6	1782	1782			100.0%			100.0%			100.0%	100.0%	
Car	A5	2012	5	0.001	49.5	33.8	37.7	35.9	2000	50.0	61	70	13.0	1.148	0.0350	35.9	1796	1796			100.0%			100.0%			100.0%	100.0%	
Car	A5	2013	13	0.002	49.8	34.1	37.9	36.2	2000	50.0	61	70	13.0	1.148	0.0350	36.2	1808	1808			100.0%			100.0%			100.0%	100.0%	
Car	A5	2014	5	0.001	49.7	34.0	37.9	36.1	2000	50.0	61	70	13.0	1.148	0.0350	36.1	1806	1806			100.0%			100.0%			100.0%	100.0%	
Car	A5	2015	8	0.001	49.7	34.0	37.8	36.1	2000	50.0	61	70	13.0	1.148	0.0350	36.1	1804	1804			100.0%			100.0%			100.0%	100.0%	
Car	A5	2016																											
Car	A5	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A6	1975																											
Car	A6	1976																											
Car	A6	1977																											
Car	A6	1978																											
Car	A6	1979																											
Car	A6	1980																											
Car	A6	1981																											
Car	A6	1982																											
Car	A6	1983																											
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Car	A6	1992																											
Car	A6	1993																											
Car	A6	1994																											
Car	A6	1995																											
Car	A6	1996																											
Car	A6	1997																											
Car	A6	1998	0	0.000	13.3	9.3	13.4	11.1	3500	50.0	213	375	5.6	1.761	0.1071	19.5	557	974			100.0%			100.0%			100.0%	100.0%	
Car	A6	1999	1	0.000	13.9	9.7	14.1	11.6	3500	50.0	215	382	5.5	1.775	0.1091	20.4	583	1021			100.0%			100.0%			100.0%	100.0%	
Car	A6	2000																											
Car	A6	2001																											
Car	A6	2002																											
Car	A6	2003																											
Car	A6	2004																											
Car	A6	2005	1	0.000	15.9	11.2	14.4	12.8	4500	129.5	259	396	5.8	1.529	0.0880	28.9	1662	3739			100.0%			100.0%			100.0%	100.0%	
Car	A6	2006	2	0.000	16.9	11.3	16.8	13.9	4337	116.9	259	392	5.8	1.515	0.0907	30.0	1616	3531			100.0%			100.0%			100.0%	100.0%	
Car	A6	2007	1	0.000	16.8	11.4	16.4	13.8	4500	129.5	259	396	5.9	1.529	0.0880	31.0	1781	4007			100.0%			100.0%			100.0%	100.0%	
Car	A6	2008	3	0.000	18.5	12.2	18.5	15.2	4485	107.4	260	399	5.9	1.536	0.0891	34.1	1621	3641			100.0%			100.0%			100.0%	100.0%	
Car	A6	2009	3	0.000	17.6	11.7	17.7	14.5	4245	92.2	275	431	5.4	1.572	0.1037	31.0	1356	2963			100.0%			100.0%			100.0%	100.0%	
Car	A6	2010	105	0.017	36.2	23.8	33.2	28.4	3552	109.1	126	184	8.8	1.453	0.0515	52.0	3234	5709	94.8%	3.8%	1.5%		55.1%	2.9%		42.0%	100.0%	60.1%	
Car	A6	2011	16	0.003	44.9	29.8	35.8	32.9	3537	108.7	161	197	8.4	1.179	0.0548	61.4	3899	6838	91.7%	6.8%	1.5%		6.8%	93.2%			100.0%	100.0%	91.7%
Car	A6	2012	131	0.018	38.4	25.9	34.3	30.1	3508	108.4	134	184	8.4	1.385	0.0526	54.3	3395	5928	98.1%		1.9%		58.0%	28.7%		13.3%	100.0%	86.7%	26.8%
Car	A6	2013	155	0.019	43.8	28.9	36.6	32.9	3271	110.1	124	160	8.7	1.319	0.0494	54.3	3642	6012	100.0%				60.7%	39.3%			100.0%	100.0%	27.0%
Car	A6	2014	176	0.023	41.6	27.1	36.2	31.7	3093	108.8	125	160	8.6	1.284	0.0520	49.4	3459	5385	100.0%				87.9%	12.1%			100.0%	100.0%	12.1%
Car	A6	2015	133	0.017	44.0	28.3	38.5	33.4	3155	109.2	125	158	8.6	1.272	0.0505	53.0	3660	5818	100.0%				78.9%	21.1%			100.0%	100.0%	21.1%
Car	A6	2016	271	0.038	42.9	27.7	37.8	32.6	3087	106.1	114	148	9.1	1.300	0.0479	50.8	3484	5430	97.7%		2.3%		76.7%	23.3%			100.0%	100.0%	9.5%
Car	A6	2017	-	0.030	47.0	30.9	40.2	35.6	3372	110.0	111	140	9.5	1.256	0.0414	62.8	4150	7057	97.1%		2.9%		88.8%	11.2%			100.0%	100.0%	31.2%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A7	1975																											
Car	A7	1976																											
Car	A7	1977																											
Car	A7	1978																											
Car	A7	1979																											
Car	A7	1980																											
Car	A7	1981																											
Car	A7	1982																											
Car	A7	1983																											
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Car	A7	2004																											
Car	A7	2005																											
Car	A7	2006																											
Car	A7	2007																											
Car	A7	2008																											
Car	A7	2009	4	0.001	28.0	18.6	26.5	22.4	3590	73.8	229	373	5.2	1.633	0.1042	40.2	1652	2965		32.9%	67.1%		100.0%				100.0%	100.0%	
Car	A7	2010	4	0.001	23.7	15.7	23.1	19.2	3679	67.2	233	395	5.3	1.673	0.1072	36.6	1326	2440		14.3%	85.7%		84.4%	15.6%			100.0%	100.0%	
Car	A7	2011	14	0.002	22.6	15.2	21.7	18.3	3994	87.2	214	372	5.5	1.732	0.0934	37.0	1616	3225			100.0%		60.4%	39.6%			100.0%	100.0%	
Car	A7	2012	12	0.002	23.9	16.0	22.9	19.3	3823	78.6	228	396	5.3	1.733	0.1041	37.6	1563	2977		4.5%	95.5%		81.5%	18.5%			100.0%	100.0%	
Car	A7	2013	25	0.003	25.0	16.7	23.7	20.1	3823	79.5	225	401	5.3	1.761	0.1044	39.1	1602	3083		8.3%	91.7%		88.6%	11.4%			100.0%	100.0%	
Car	A7	2014	30	0.004	26.1	17.3	24.8	20.9	3900	81.0	226	411	5.3	1.800	0.1051	41.5	1706	3405		27.6%	72.4%		99.5%	0.5%			100.0%	100.0%	0.2%
Car	A7	2015	39	0.005	27.1	18.0	25.6	21.7	3898	91.2	198	387	5.6	1.951	0.0982	43.5	2107	4079	15.9%	18.6%	65.5%		99.0%	1.0%			100.0%	100.0%	
Car	A7	2016	33	0.005	28.3	18.7	26.6	22.5	3898	97.0	185	359	6.0	1.931	0.0909	45.4	2351	4523	23.8%	15.1%	61.1%		99.7%	0.3%			100.0%	100.0%	
Car	A7	2017	-	0.008	34.6	23.3	30.3	26.8	3537	104.8	129	267	6.9	2.016	0.0735	48.7	2993	5191	68.1%	8.9%	23.0%		100.0%	0.0%			100.0%	100.0%	0.1%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	A8	1975																											
Car	A8	1976																											
Car	A8	1977																											
Car	A8	1978																											
Car	A8	1979																											
Car	A8	1980																											
Car	A8	1981																											
Car	A8	1982																											
Car	A8	1983																											
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Car	A8	2011																											
Car	A8	2012																											
Car	A8	2013																											
Car	A8	2014																											
Car	A8	2015																											
Car	A8	2016																											
Car	A8	2017	-	0.001	30.0	20.1	27.1	23.6	4636	124.0	198	420	5.4	2.112	0.0900	54.7	2933	6783		81.8%	18.2%		100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	CVT	1975																											
Car	CVT	1976																											
Car	CVT	1977																											
Car	CVT	1978																											
Car	CVT	1979																											
Car	CVT	1980																											
Car	CVT	1981																											
Car	CVT	1982																											
Car	CVT	1983																											
Car	CVT	1984																											
Car	CVT	1985																											
Car	CVT	1986																											
Car	CVT	1987																											
Car	CVT	1988																											
Car	CVT	1989	13	0.001	39.6	32.0	33.6	32.8	2250	88.6	73	66	15.2	0.904	0.0293	36.9	2906	3269	100.0%			100.0%					100.0%		
Car	CVT	1990	3	0.000	37.7	31.2	30.5	30.9	2299	88.7	73	73	13.7	1.000	0.0318	35.5	2744	3154	30.8%	69.2%				100.0%			100.0%		
Car	CVT	1991	4	0.000	37.3	30.7	30.0	30.4	2289	88.7	73	73	13.9	1.000	0.0319	34.8	2696	3087		100.0%				100.0%			100.0%		
Car	CVT	1992	0	0.000	38.8	31.0	32.1	31.6	2295	88.5	73	73	13.4	1.000	0.0319	36.3	2800	3209	54.5%	45.5%				100.0%			100.0%		
Car	CVT	1993	1	0.000	37.2	30.0	29.9	30.0	2290	88.5	73	73	12.7	1.000	0.0319	34.4	2658	3044		100.0%				100.0%			100.0%		
Car	CVT	1994																											
Car	CVT	1995																											
Car	CVT	1996	1	0.000	40.4	30.1	34.5	32.3	2750	97.1	97	115	10.5	1.186	0.0418	44.4	3136	4312	100.0%					100.0%			100.0%	100.0%	
Car	CVT	1997	7	0.001	41.9	31.0	35.7	33.3	2750	99.5	97	115	10.5	1.186	0.0418	45.8	3314	4557	100.0%					100.0%			100.0%	100.0%	
Car	CVT	1998	5	0.001	42.4	30.9	36.2	33.5	2750	97.1	97	115	10.8	1.186	0.0418	46.1	3257	4478	100.0%					100.0%			100.0%	100.0%	
Car	CVT	1999	2	0.000	41.8	30.2	35.6	32.9	2750	97.1	97	115	10.7	1.186	0.0418	45.2	3195	4393	100.0%					100.0%			100.0%	100.0%	
Car	CVT	2000	2	0.000	41.9	30.0	35.5	32.8	2750	97.1	97	115	10.3	1.186	0.0418	45.1	3184	4377	100.0%					100.0%			100.0%	100.0%	
Car	CVT	2001	19	0.002	56.9	42.8	41.8	42.3	2921	96.2	89	73	17.2	0.821	0.0252	62.0	4063	5989	100.0%					100.0%			100.0%	100.0%	92.8%
Car	CVT	2002	35	0.004	43.4	31.0	35.5	33.4	3086	98.3	103	101	15.1	0.947	0.0317	55.1	3553	5423	100.0%					100.0%			100.0%	69.9%	68.4%
Car	CVT	2003	74	0.009	41.3	28.7	34.8	31.8	3126	98.5	105	115	10.5	1.076	0.0359	52.6	3379	5204	100.0%					100.0%			100.0%	64.2%	55.9%	55.4%
Car	CVT	2004	102	0.014	46.7	32.6	37.5	35.2	3068	104.7	100	103	10.3	1.012	0.0331	58.0	4056	6159	100.0%					100.0%			100.0%	82.2%	65.2%	65.0%
Car	CVT	2005	208	0.026	45.5	31.5	36.3	34.1	3225	111.5	109	110	9.7	0.971	0.0327	59.7	4236	6643	84.4%	15.6%				100.0%			89.3%	69.7%	69.0%
Car	CVT	2006	194	0.024	42.5	29.1	35.2	32.3	3312	111.6	115	125	9.6	1.067	0.0363	58.1	4026	6448	87.7%	12.3%				100.0%			83.9%	65.9%	61.3%
Car	CVT	2007	838	0.104	37.9	26.1	31.8	29.0	3410	112.6	134	155	9.1	1.144	0.0446	51.9	3477	5833	96.7%	3.3%				100.0%			96.1%	96.6%	31.9%
Car	CVT	2008	842	0.115	38.4	26.3	32.5	29.5	3343	111.7	133	152	9.1	1.128	0.0448	51.6	3498	5756	99.6%	0.4%			1.9%	98.1%			96.2%	94.2%	29.0%
Car	CVT	2009	611	0.108	37.6	25.7	31.9	28.9	3428	111.4	139	162	8.9	1.147	0.0465	51.3	3378	5713	100.0%				1.1%	98.9%			96.9%	99.0%	26.2%
Car	CVT	2010	900	0.148	42.4	29.1	35.1	32.2	3474	112.2	135	151	9.2	1.104	0.0432	60.3	3918	6798	95.9%	4.0%	0.0%		1.1%	98.9%			94.3%	100.0%	41.6%
Car	CVT	2011	731	0.127	39.8	26.9	32.9	30.0	3456	110.4	137	160	9.0	1.164	0.0459	54.8	3515	6072	89.8%	10.1%	0.1%		6.9%	93.1%			98.0%	98.5%	28.9%
Car	CVT	2012	1125	0.152	41.6	28.2	34.1	31.3	3380	111.9	133	150	9.2	1.119	0.0441	55.3	3688	6221	89.4%	10.6%			4.0%	96.0%			98.4%	98.8%	30.4%
Car	CVT	2013	1554	0.189	44.7	29.7	36.6	33.3	3448	113.1	135	161	8.9	1.181	0.0463	59.0	3886	6699	91.3%	8.6%	0.1%		20.2%	79.8%			98.9%	100.0%	26.9%
Car	CVT	2014	2099	0.275	44.2	29.3	36.5	33.0	3274	110.7	126	151	9.2	1.196	0.0458	55.1	3740	6130	95.2%	4.8%	0.0%		15.6%	84.4%			99.6%	100.0%	16.2%
Car	CVT	2015	2493	0.316	44.6	29.5	37.0	33.3	3259	111.9	126	151	9.2	1.198	0.0459	55.2			92.1%	7.9%	0.0%		15.9%	84.1%			99.8%	100.0%	13.7%
Car	CVT	2016	2131	0.299	44.2	29.0	37.2	33.1	3253	113.3	128	158	9.0	1.245	0.0484	54.7			92.5%	7.5%	0.0%		21.9%	78.1%			100.0%	100.0%	10.0%
Car	CVT	2017	-	0.340	44.7	29.4	37.0	33.3	3305	114.5	127	155	9.1	1.230	0.0468	56.3			89.7%	10.3%	0.0%		28.0%	72.0%			99.9%	99.9%	14.3%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L1	1975																											
Car	L1	1976																											
Car	L1	1977																											
Car	L1	1978																											
Car	L1	1979																											
Car	L1	1980																											
Car	L1	1981																											
Car	L1	1982																											
Car	L1	1983																											
Car	L1	1984																											
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Car	L1	2004																											
Car	L1	2005																											
Car	L1	2006																											
Car	L1	2007																											
Car	L1	2008																											
Car	L1	2009																											
Car	L1	2010	0	0.000	85.7	59.4	60.8	60.2	4000	113.9		130	9.2		0.0325	120.3	6851	13703	100.0%					100.0%					
Car	L1	2011	0	0.000	85.7	59.4	60.8	60.2	4000	113.9		130	9.2		0.0325	120.3	6851	13703	100.0%					100.0%					
Car	L1	2012																											
Car	L1	2013																											
Car	L1	2014	0	0.000	85.7	59.4	60.8	60.2	4000	113.9		130	9.2		0.0325	120.3	6851	13703	100.0%					100.0%					
Car	L1	2015																											
Car	L1	2016																											
Car	L1	2017	-	0.000	97.2	69.0	67.0	67.8	4500	113.8		174	8.4		0.0387	152.7	7721	17372	100.0%					100.0%					

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L10	1975																											
Car	L10	1976																											
Car	L10	1977																											
Car	L10	1978																											
Car	L10	1979																											
Car	L10	1980																											
Car	L10	1981																											
Car	L10	1982																											
Car	L10	1983																											
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Car	L10	2011																											
Car	L10	2012																											
Car	L10	2013																											
Car	L10	2014																											
Car	L10	2015																											
Car	L10	2016																											
Car	L10	2017	-	0.000	18.7	12.4	20.3	15.9	4097	88.1	378	650	3.5	1.718	0.1590	32.6	1403	2876			100.0%		100.0%					100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L2	1975																											
Car	L2	1976																											
Car	L2	1977																											
Car	L2	1978	45	0.004	28.7	23.8	25.1	24.3	2151	85.7	92	64	14.7	0.698	0.0299	26.3	2097	2272	100.0%			100.0%							
Car	L2	1979	82	0.008	26.1	21.7	22.6	22.1	2330	85.1	98	65	18.9	0.662	0.0279	25.7	1882	2208	100.0%			100.0%							
Car	L2	1980	31	0.003	30.3	25.4	26.0	25.6	2069	90.4	91	67	17.7	0.736	0.0325	26.5	2312	2405	100.0%			100.0%							
Car	L2	1981																											
Car	L2	1982																											
Car	L2	1983																											
Car	L2	1984																											
Car	L2	1985																											
Car	L2	1986																											
Car	L2	1987																											
Car	L2	1988																											
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Car	L2	2010																											
Car	L2	2011																											
Car	L2	2012																											
Car	L2	2013																											
Car	L2	2014																											
Car	L2	2015																											
Car	L2	2016																											
Car	L2	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L3	1975																											
Car	L3	1976																											
Car	L3	1977																											
Car	L3	1978	749	0.067	17.2	13.3	16.9	14.7	4133	114.8	311	146	13.3	0.471	0.0352	30.4	1701	3486			100.0%	100.0%							
Car	L3	1979	869	0.080	18.5	14.4	17.9	15.8	3822	116.0	301	142	13.3	0.472	0.0373	30.2	1842	3507			100.0%	100.0%							
Car	L3	1980	1339	0.142	19.9	15.4	19.4	17.0	3759	117.5	270	120	15.2	0.449	0.0322	32.2	2020	3826	2.0%		98.0%	91.7%				8.3%			
Car	L3	1981	2261	0.259	22.4	17.4	21.8	19.1	3641	115.3	254	115	15.4	0.466	0.0317	35.1	2235	4086		0.7%	99.3%	87.8%			0.3%	11.9%			
Car	L3	1982	3031	0.388	24.4	18.7	24.0	20.8	3265	111.6	204	105	16.7	0.549	0.0322	34.2	2358	3838	33.0%	0.7%	66.3%	77.1%		2.0%	15.7%	5.2%			
Car	L3	1983	2832	0.354	24.4	18.8	24.0	20.8	3235	112.1	202	108	15.0	0.563	0.0331	33.9	2372	3803	41.4%	1.3%	57.4%	75.8%		1.0%	21.8%	1.4%			
Car	L3	1984	3927	0.368	25.5	19.6	25.1	21.7	3184	111.1	190	106	15.0	0.594	0.0332	34.7	2447	3858	51.2%	1.0%	47.8%	61.8%		6.5%	31.0%	0.7%			
Car	L3	1985	3203	0.297	26.8	20.6	26.5	22.9	3104	109.6	180	104	14.8	0.611	0.0333	35.6	2543	3910	59.5%	1.3%	39.2%	43.7%		7.0%	49.2%	0.1%			
Car	L3	1986	2990	0.271	27.7	21.2	27.1	23.5	3022	107.5	167	100	14.4	0.633	0.0331	35.6	2563	3841	72.1%		27.9%	28.5%		9.7%	61.8%				
Car	L3	1987	2679	0.250	29.1	22.2	28.2	24.6	2925	107.0	151	99	14.6	0.684	0.0335	36.1	2659	3866	88.4%		11.6%	29.4%		14.4%	56.2%		5.5%		
Car	L3	1988	3028	0.282	29.8	22.7	28.7	25.1	2866	105.8	140	101	14.5	0.736	0.0350	36.1	2679	3825	97.7%		2.3%	15.9%		25.3%	58.8%		12.1%		
Car	L3	1989	2467	0.246	30.0	22.6	28.9	25.2	2865	104.8	138	105	13.6	0.775	0.0365	36.1	2649	3789	99.2%	0.1%	0.7%	11.9%		27.8%	60.3%		18.8%		
Car	L3	1990	1980	0.225	29.7	22.1	28.7	24.9	2913	104.1	139	111	12.4	0.814	0.0379	36.3	2597	3778	99.9%	0.1%	0.0%	1.9%		42.1%	56.0%		24.9%		
Car	L3	1991	1765	0.207	29.1	21.5	28.2	24.3	2918	104.1	144	114	12.3	0.806	0.0389	35.5	2538	3700	100.0%		0.0%			43.2%	56.8%		18.7%	1.5%	
Car	L3	1992	1635	0.202	28.5	20.8	27.8	23.7	3003	104.0	151	123	11.5	0.833	0.0409	35.7	2478	3714	100.0%					79.2%	20.8%		20.0%	1.2%	
Car	L3	1993	1421	0.168	28.4	20.6	27.8	23.6	3020	105.0	158	126	10.7	0.808	0.0414	35.7	2488	3751	100.0%		0.0%			80.4%	19.6%		9.4%		
Car	L3	1994	899	0.107	30.2	22.0	28.6	24.9	2901	102.2	132	110	11.3	0.852	0.0380	36.1	2549	3693	100.0%					78.3%	21.7%		18.2%		
Car	L3	1995	893	0.095	31.3	22.6	29.4	25.7	2843	103.1	124	121	10.9	0.982	0.0427	36.5	2650	3764	100.0%					96.9%	3.1%		59.3%		
Car	L3	1996	671	0.085	31.6	22.9	29.3	25.8	2826	101.6	120	122	11.4	1.020	0.0431	36.4	2623	3704	100.0%					100.0%			52.9%		
Car	L3	1997	611	0.073	31.3	22.6	28.5	25.4	2817	99.8	116	114	11.8	0.988	0.0405	35.8	2533	3567	100.0%					100.0%			60.8%		
Car	L3	1998	438	0.055	31.3	22.1	29.1	25.3	2842	100.8	123	125	11.3	1.016	0.0440	36.0	2560	3631	100.0%					100.0%			62.0%		
Car	L3	1999	359	0.043	31.6	22.4	28.8	25.4	2853	100.2	122	122	11.4	1.010	0.0429	36.4	2560	3643	100.0%					100.0%			56.9%		
Car	L3	2000	505	0.055	31.2	22.0	28.3	25.0	2924	101.4	124	126	10.8	1.025	0.0433	36.5	2539	3706	94.5%		5.5%			100.0%			63.0%	17.0%	
Car	L3	2001	289	0.034	32.7	22.9	29.3	26.0	2909	102.0	120	127	10.6	1.065	0.0437	37.9	2666	3870	87.2%		12.8%			100.0%			80.6%	36.2%	
Car	L3	2002	70	0.008	36.0	25.3	30.9	28.1	2750	100.1	109	125	10.6	1.142	0.0455	38.7	2818	3875	100.0%					100.0%			100.0%	100.0%	
Car	L3	2003																											
Car	L3	2004																											
Car	L3	2005																											
Car	L3	2006																											
Car	L3	2007																											
Car	L3	2008																											
Car	L3	2009																											
Car	L3	2010																											
Car	L3	2011																											
Car	L3	2012																											
Car	L3	2013																											
Car	L3	2014																											
Car	L3	2015																											
Car	L3	2016																											
Car	L3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L4	1975																											
Car	L4	1976																											
Car	L4	1977																											
Car	L4	1978																											
Car	L4	1979																											
Car	L4	1980	219	0.023	19.3	14.5	20.0	16.5	3975	128.1	321	141	13.4	0.438	0.0356	32.8	2114	4220			100.0%	91.1%			8.9%				
Car	L4	1981	651	0.074	19.8	14.8	20.5	16.9	4001	132.8	297	140	13.5	0.472	0.0351	33.9	2247	4508			100.0%	89.6%			10.4%				
Car	L4	1982	986	0.126	20.2	15.1	20.9	17.3	4016	128.3	288	141	14.5	0.495	0.0352	34.9	2225	4495	14.8%		85.2%	73.4%		2.3%	19.7%	4.6%			
Car	L4	1983	1708	0.213	21.4	16.0	22.0	18.3	3823	123.3	267	135	13.4	0.523	0.0352	35.1	2269	4333	17.5%		82.5%	54.5%		6.6%	37.0%	1.9%			
Car	L4	1984	2296	0.215	21.9	16.4	22.5	18.7	3736	118.3	261	134	13.2	0.542	0.0360	35.1	2234	4173	18.2%		81.8%	49.0%		14.5%	35.8%	0.8%			
Car	L4	1985	3127	0.290	23.1	17.3	23.9	19.8	3633	119.4	247	137	12.8	0.583	0.0378	36.0	2382	4319	42.4%	1.3%	56.3%	39.6%		28.5%	31.5%	0.5%			
Car	L4	1986	3401	0.309	25.0	18.5	26.0	21.3	3478	117.2	224	138	12.0	0.652	0.0395	37.1	2513	4365	57.3%	0.0%	42.7%	30.9%		62.3%	6.7%	0.1%	5.2%		
Car	L4	1987	3702	0.345	25.3	18.7	26.1	21.5	3445	115.1	212	138	12.2	0.693	0.0399	37.0	2489	4280	62.2%	0.0%	37.8%	18.8%		69.6%	11.6%		17.1%		
Car	L4	1988	4069	0.379	25.8	18.9	26.5	21.8	3464	115.4	210	141	12.1	0.714	0.0405	37.9	2536	4389	66.4%	0.1%	33.4%	10.4%		79.9%	9.7%		20.2%		
Car	L4	1989	4475	0.447	25.7	18.8	26.4	21.7	3442	114.9	202	141	11.7	0.741	0.0410	37.5	2508	4317	72.0%	0.3%	27.7%	5.0%		84.2%	10.8%		22.3%		
Car	L4	1990	4442	0.504	25.8	18.8	26.3	21.8	3466	113.4	193	144	10.8	0.790	0.0416	37.7	2479	4290	78.2%	0.8%	21.0%	0.8%		95.2%	4.0%		29.2%	1.2%	
Car	L4	1991	4505	0.528	26.4	19.1	26.6	22.1	3407	112.9	189	148	10.8	0.823	0.0431	37.7	2517	4271	76.9%	1.2%	21.9%			91.9%	8.1%		31.5%	2.7%	
Car	L4	1992	4560	0.562	26.1	18.6	26.5	21.8	3491	114.4	195	156	10.3	0.841	0.0443	38.1	2516	4379	72.5%	0.7%	26.7%			94.8%	5.2%		33.9%	4.8%	
Car	L4	1993	5077	0.600	26.9	19.2	27.1	22.5	3407	113.3	184	150	9.9	0.853	0.0436	38.3	2566	4349	80.2%	1.3%	18.5%			96.3%	3.7%		38.9%	5.2%	
Car	L4	1994	5748	0.683	26.7	18.9	26.8	22.2	3420	112.2	185	154	9.6	0.865	0.0446	38.0	2511	4273	81.8%	0.4%	17.8%			99.0%	1.0%		39.9%	8.0%	
Car	L4	1995	6773	0.721	27.2	19.0	27.3	22.5	3397	111.9	181	161	9.7	0.919	0.0469	38.3	2542	4291	80.5%	1.1%	18.4%			100.0%			46.8%	10.0%	
Car	L4	1996	5895	0.747	27.2	18.9	27.2	22.5	3408	112.0	178	162	10.0	0.937	0.0471	38.3	2530	4295	86.3%	1.3%	12.4%			100.0%			55.5%	11.5%	
Car	L4	1997	6393	0.767	27.6	19.1	27.4	22.7	3371	111.5	174	163	9.9	0.958	0.0477	38.3	2550	4278	87.5%	1.5%	11.0%			100.0%			56.2%	10.3%	
Car	L4	1998	6260	0.785	27.9	19.3	27.6	22.9	3368	110.9	170	162	10.2	0.975	0.0476	38.7	2560	4292	90.2%	1.7%	8.1%			100.0%		0.0%	58.4%	16.8%	
Car	L4	1999	6686	0.798	27.8	19.0	27.3	22.7	3417	111.4	171	166	10.1	0.988	0.0480	38.8	2545	4332	91.3%	1.5%	7.2%			100.0%		0.0%	62.2%	14.9%	
Car	L4	2000	6876	0.754	27.9	19.0	27.2	22.7	3416	112.1	170	169	9.6	1.011	0.0490	38.9	2565	4366	91.3%	1.5%	7.2%			100.0%			61.6%	19.6%	
Car	L4	2001	6238	0.742	28.4	19.3	27.5	23.0	3397	111.8	168	166	9.5	1.005	0.0484	39.2	2597	4390	92.4%	1.4%	6.2%			99.9%		0.1%	61.1%	22.4%	
Car	L4	2002	6275	0.756	28.8	19.5	27.4	23.2	3376	112.3	167	168	9.5	1.027	0.0492	39.3	2626	4418	94.0%	1.5%	4.5%			99.7%		0.3%	63.7%	28.5%	
Car	L4	2003	5300	0.669	29.3	19.7	27.8	23.5	3380	112.7	165	165	9.5	1.026	0.0485	39.8	2675	4500	91.8%	2.0%	6.2%			99.8%		0.2%	64.4%	32.7%	
Car	L4	2004	4840	0.642	29.3	19.6	27.8	23.5	3406	113.5	168	171	9.3	1.046	0.0497	40.0	2685	4551	90.7%	2.8%	6.5%			100.0%			67.8%	32.0%	
Car	L4	2005	4656	0.580	30.2	20.1	28.0	24.0	3356	113.6	160	167	9.4	1.068	0.0491	40.2	2742	4580	90.2%	3.1%	6.8%			100.0%			69.3%	37.9%	
Car	L4	2006	3780	0.473	29.9	19.9	27.9	23.8	3416	114.8	164	172	9.4	1.080	0.0499	40.6	2750	4674	90.8%	3.2%	6.0%			100.0%			69.5%	42.6%	
Car	L4	2007	3010	0.372	31.0	20.5	28.9	24.6	3340	111.5	158	165	9.6	1.074	0.0489	41.1	2776	4593	94.6%	2.5%	2.8%			100.0%			67.5%	47.2%	0.0%
Car	L4	2008	2902	0.397	30.7	20.3	28.7	24.4	3432	111.9	160	171	9.6	1.091	0.0492	41.9	2762	4695	86.9%	4.1%	9.1%			100.0%			74.9%	48.0%	0.1%
Car	L4	2009	2051	0.364	33.1	22.0	30.3	26.1	3303	110.6	144	159	9.7	1.124	0.0475	43.2	2919	4781	89.6%	5.2%	5.3%		0.1%	99.9%			83.8%	71.6%	0.3%
Car	L4	2010	1971	0.325	34.3	22.8	31.1	26.9	3253	110.9	140	156	9.8	1.136	0.0474	43.8	3012	4859	90.1%	1.6%	8.3%		0.0%	100.0%			89.0%	81.5%	0.0%
Car	L4	2011	973	0.169	33.5	22.2	30.0	26.1	3312	113.5	148	156	9.9	1.094	0.0465	43.1	2987	4902	92.7%	2.8%	4.5%			100.0%			74.6%	84.6%	
Car	L4	2012	495	0.067	36.3	24.2	31.5	27.9	3099	108.2	118	137	10.4	1.163	0.0441	43.2	3028	4676	99.8%	0.2%				100.0%			100.0%	98.7%	
Car	L4	2013	504	0.061	36.9	24.6	31.9	28.3	3054	104.7	115	136	10.4	1.185	0.0442	43.2	2979	4523	99.9%	0.1%				100.0%			100.0%	98.8%	
Car	L4	2014	184	0.024	35.5	23.7	31.1	27.4	3166	110.3	126	147	10.1	1.167	0.0459	43.4	3048	4791	100.0%					100.0%			100.0%	100.0%	
Car	L4	2015	82	0.010	39.7	26.6	33.4	30.1	2912	109.2	109	127	10.6	1.165	0.0434	43.9	3303	4801	100.0%					100.0%			100.0%	100.0%	
Car	L4	2016	50	0.007	41.5	27.4	35.2	31.4	2879	108.5	105	124	10.6	1.184	0.0431	45.2	3404	4909	100.0%					100.0%			100.0%	100.0%	
Car	L4	2017	-	0.002	42.2	28.2	34.9	31.7	2598	103.5	94	107	11.2	1.143	0.0413	41.1	3277	4259	100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG		MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L5	1975																												
Car	L5	1976																												
Car	L5	1977																												
Car	L5	1978																												
Car	L5	1979																												
Car	L5	1980																												
Car	L5	1981																												
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Car	L5	1989																												
Car	L5	1990																												
Car	L5	1991																												
Car	L5	1992																												
Car	L5	1993	9	0.001	20.7	14.6	21.3	17.4	4247	116.2	243	280	7.0	1.153	0.0662	36.8		2017	4286			100.0%			100.0%			100.0%		
Car	L5	1994	22	0.003	21.8	15.3	22.7	18.3	4011	110.0	222	258	7.2	1.164	0.0643	36.7		2013	4035			100.0%			100.0%			100.0%	35.2%	
Car	L5	1995	29	0.003	22.5	15.7	23.2	18.8	4301	110.8	233	271	7.4	1.167	0.0630	40.5		2086	4493			100.0%			100.0%			98.0%	21.5%	
Car	L5	1996	27	0.003	22.1	15.4	22.4	18.4	4310	106.7	246	258	8.1	1.054	0.0592	39.5		1972	4236	16.2%	11.4%	72.4%			100.0%			67.8%	72.4%	
Car	L5	1997	150	0.018	24.5	17.0	24.4	20.3	4027	107.3	217	236	8.3	1.097	0.0582	40.9		2196	4401	2.0%	5.4%	92.6%			98.2%		1.8%	97.4%	46.4%	
Car	L5	1998	261	0.033	25.3	17.5	24.9	20.8	3923	105.7	202	233	8.5	1.165	0.0590	41.0		2216	4335	7.5%	10.6%	81.9%			98.7%		1.3%	99.6%	56.2%	
Car	L5	1999	363	0.043	25.4	17.4	25.2	20.9	3826	106.2	187	223	8.5	1.214	0.0578	40.0		2232	4258	17.3%	11.7%	71.0%			98.7%		1.3%	99.2%	50.1%	
Car	L5	2000	622	0.068	24.7	16.8	24.3	20.2	3822	109.7	195	222	8.2	1.151	0.0576	38.7		2234	4250	26.8%	6.6%	66.6%			98.9%		1.1%	96.3%	54.9%	
Car	L5	2001	829	0.099	24.9	17.0	24.2	20.3	3792	108.3	186	220	8.0	1.210	0.0578	38.6		2208	4185	31.8%	13.1%	55.1%			100.0%			99.9%	61.1%	
Car	L5	2002	950	0.114	25.5	17.3	24.7	20.7	3788	106.2	184	219	8.1	1.218	0.0575	39.3		2218	4187	38.0%	14.3%	47.7%			100.0%			100.0%	57.8%	
Car	L5	2003	1591	0.201	26.9	18.0	26.1	21.8	3655	106.4	177	211	8.2	1.210	0.0576	40.0		2353	4276	55.5%	7.5%	36.9%			100.0%			99.2%	66.4%	
Car	L5	2004	1603	0.213	27.2	18.1	26.2	21.9	3704	107.6	174	211	8.3	1.222	0.0568	40.8		2387	4402	65.0%	11.8%	23.2%			99.4%		0.6%	99.4%	73.6%	
Car	L5	2005	2046	0.255	27.5	18.2	26.5	22.1	3749	111.0	186	216	8.2	1.174	0.0570	41.8		2498	4658	64.3%	8.9%	26.8%			98.9%		1.1%	91.1%	79.2%	0.9%
Car	L5	2006	2247	0.281	28.3	18.7	27.0	22.6	3716	112.5	189	220	8.2	1.184	0.0584	42.5		2595	4780	68.3%	6.6%	25.2%			99.7%		0.3%	90.1%	81.6%	0.2%
Car	L5	2007	2242	0.277	29.6	19.5	28.1	23.6	3597	111.2	169	198	8.7	1.182	0.0542	42.8		2676	4771	76.6%	5.0%	18.5%		0.1%	99.9%			93.7%	82.5%	0.2%
Car	L5	2008	1559	0.213	30.7	20.2	28.9	24.4	3549	110.7	163	197	8.8	1.221	0.0546	43.6		2756	4839	81.9%	5.5%	12.6%			100.0%			95.3%	80.4%	
Car	L5	2009	1506	0.267	32.4	21.2	30.5	25.6	3473	113.2	151	179	8.9	1.198	0.0509	44.6		2931	5056	93.0%	2.1%	4.9%		0.1%	99.9%			96.5%	89.3%	
Car	L5	2010	1110	0.183	32.8	21.6	30.7	26.0	3417	110.1	154	187	8.7	1.238	0.0539	44.6		2906	4912	87.2%	2.7%	10.2%			100.0%			93.5%	93.0%	
Car	L5	2011	643	0.112	33.3	21.7	31.1	26.2	3466	112.0	158	195	8.7	1.246	0.0550	45.5		2971	5101	83.5%	1.8%	14.7%			100.0%			95.0%	94.8%	
Car	L5	2012	997	0.135	36.3	23.5	33.3	28.2	3342	109.9	144	178	9.0	1.248	0.0522	47.4		3144	5203	90.2%	0.7%	9.2%			100.0%			96.0%	99.2%	
Car	L5	2013	588	0.072	36.9	24.0	33.7	28.7	3238	106.1	143	177	9.1	1.258	0.0527	46.9		3124	4959	80.9%	1.9%	17.2%			100.0%			91.3%	99.3%	
Car	L5	2014	148	0.019	26.7	17.3	26.5	21.6	4050	115.4	252	300	7.0	1.220	0.0729	43.8		2519	5055	15.1%	8.0%	76.8%			100.0%			64.6%	100.0%	
Car	L5	2015	11	0.001	36.9	23.9	33.8	28.7	3000	101.7	122	149	9.3	1.223	0.0496	43.2		2929	4393	100.0%					100.0%			100.0%	100.0%	
Car	L5	2016																												
Car	L5	2017																												

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG		MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L6	1975																												
Car	L6	1976																												
Car	L6	1977																												
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Car	L6	1999																												
Car	L6	2000	0	0.000	14.5	9.8	15.2	12.1	3500	50.0	219	394	5.2	1.799	0.1126	21.2		606	1060			100.0%			100.0%			100.0%	100.0%	
Car	L6	2001	1	0.000	14.5	9.7	15.1	12.1	3500	50.0	219	394	5.1	1.799	0.1126	21.2		605	1058			100.0%			100.0%			100.0%	100.0%	
Car	L6	2002	23	0.003	22.5	15.1	22.5	18.5	4351	113.6	258	334	6.4	1.311	0.0773	40.8		2153	4743			100.0%			100.0%			100.0%	100.0%	
Car	L6	2003	71	0.009	24.4	16.3	23.9	19.8	3980	101.7	206	263	7.6	1.269	0.0651	39.7		2024	4081	25.0%		75.0%			100.0%			83.2%	75.0%	
Car	L6	2004	172	0.023	24.6	16.3	24.3	20.0	3996	109.1	216	264	7.4	1.218	0.0653	40.1		2199	4410	14.2%	8.4%	77.4%			99.4%		0.6%	91.0%	84.7%	
Car	L6	2005	322	0.040	26.2	17.3	25.2	21.1	3897	113.0	193	229	8.0	1.179	0.0578	41.3		2417	4702	55.8%	11.9%	32.3%			98.7%		1.3%	92.3%	43.4%	
Car	L6	2006	851	0.106	27.6	18.2	26.4	22.1	3745	107.0	183	224	7.9	1.239	0.0595	41.7		2396	4483	48.7%	10.6%	40.8%			96.7%		3.3%	94.1%	73.2%	
Car	L6	2007	1100	0.136	27.3	18.0	26.3	21.9	3871	110.2	194	242	7.6	1.255	0.0622	42.6		2431	4717	60.5%	14.7%	24.8%		0.8%	99.2%			97.8%	59.0%	0.3%
Car	L6	2008	1197	0.164	27.2	17.9	26.4	21.9	3880	109.5	194	249	7.5	1.298	0.0639	42.7		2419	4696	55.1%	18.6%	26.3%		14.7%	85.3%			97.9%	59.9%	0.1%
Car	L6	2009	882	0.156	28.2	18.6	27.1	22.6	3838	109.3	188	239	7.6	1.290	0.0618	43.8		2512	4801	59.0%	17.0%	23.9%		22.4%	74.2%		3.4%	97.1%	70.2%	0.1%
Car	L6	2010	1406	0.232	29.8	19.5	28.6	23.8	3738	112.1	181	226	7.8	1.252	0.0599	44.7		2704	5024	72.6%	10.4%	17.1%		19.3%	80.6%		0.1%	96.9%	98.8%	
Car	L6	2011	2680	0.467	32.0	20.9	30.2	25.3	3632	112.2	163	210	8.2	1.299	0.0570	46.3		2893	5204	81.5%	5.8%	12.7%		26.8%	71.4%		1.8%	98.1%	96.0%	
Car	L6	2012	3666	0.496	34.3	22.4	31.8	27.0	3476	112.1	151	194	8.4	1.298	0.0551	47.2		3075	5292	91.2%	2.8%	6.0%		36.3%	62.4%		1.3%	98.7%	97.8%	0.5%
Car	L6	2013	4134	0.503	34.8	22.8	32.3	27.4	3474	112.1	147	198	8.3	1.367	0.0562	47.8		3119	5370	91.0%	3.1%	5.9%		44.1%	53.7%		2.2%	98.8%	96.9%	1.1%
Car	L6	2014	3723	0.487	34.9	22.7	32.2	27.3	3510	112.6	147	199	8.3	1.377	0.0558	48.2		3118	5431	89.6%	3.2%	7.2%		50.6%	47.3%		2.2%	98.0%	96.4%	0.2%
Car	L6	2015	3404	0.431	35.6	23.1	32.7	27.7	3508	113.0	144	196	8.3	1.386	0.0552	48.9				88.7%	4.3%	7.0%		56.9%	41.4%		1.7%	98.6%	96.8%	0.1%
Car	L6	2016	3106	0.436	36.7	23.8	33.4	28.5	3449	113.3	135	187	8.5	1.418	0.0535	49.3				92.3%	4.6%	3.0%		60.8%	39.2%			100.0%	100.0%	0.0%
Car	L6	2017	-	0.376	37.1	24.1	33.5	28.7	3431	113.3	134	187	8.4	1.430	0.0537	49.4				91.1%	5.5%	3.4%		59.3%	40.7%			99.9%	99.7%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L7	1975																											
Car	L7	1976																											
Car	L7	1977																											
Car	L7	1978																											
Car	L7	1979																											
Car	L7	1980																											
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Car	L7	1998																											
Car	L7	1999																											
Car	L7	2000																											
Car	L7	2001																											
Car	L7	2002																											
Car	L7	2003																											
Car	L7	2004	35	0.005	21.9	14.6	21.6	17.9	4161	93.4	296	298	6.4	1.006	0.0718	37.3	1684	3547			100.0%			100.0%			100.0%		
Car	L7	2005	39	0.005	22.9	15.2	22.5	18.6	3951	79.1	279	293	6.2	1.066	0.0745	36.8	1469	2965			100.0%			100.0%			100.0%	26.1%	
Car	L7	2006	166	0.021	23.7	15.8	22.7	19.1	4171	111.0	226	268	7.1	1.211	0.0650	40.1	2136	4522		11.7%	88.3%			100.0%			100.0%	71.5%	
Car	L7	2007	170	0.021	23.0	15.3	22.4	18.6	4295	108.8	246	300	6.9	1.236	0.0698	40.2	2039	4423		12.7%	87.3%			97.7%		2.3%	100.0%	38.3%	
Car	L7	2008	178	0.024	23.9	15.8	23.0	19.3	4227	106.5	239	295	6.9	1.240	0.0695	41.1	2070	4402		23.4%	76.6%			97.4%		2.6%	100.0%	24.4%	
Car	L7	2009	174	0.031	25.1	16.6	24.1	20.2	4093	99.3	229	299	6.6	1.315	0.0731	41.6	2024	4154		28.9%	71.1%		1.1%	98.0%		0.9%	100.0%	72.6%	
Car	L7	2010	200	0.033	25.1	16.7	24.0	20.2	4157	104.7	227	296	6.7	1.306	0.0710	42.1	2121	4413		39.8%	60.2%		4.9%	95.1%			100.0%	100.0%	0.7%
Car	L7	2011	246	0.043	25.8	17.2	24.5	20.7	4142	102.5	220	291	6.8	1.328	0.0703	43.1	2132	4427		44.2%	55.8%		8.0%	90.6%		1.4%	100.0%	100.0%	0.1%
Car	L7	2012	248	0.034	27.9	18.4	26.5	22.3	4092	103.3	203	298	6.7	1.494	0.0725	45.8	2321	4762		40.8%	59.2%		54.4%	44.3%		1.3%	100.0%	98.7%	0.4%
Car	L7	2013	278	0.034	28.8	19.0	27.3	23.0	4055	98.8	202	299	6.6	1.523	0.0732	47.1	2317	4688	2.2%	41.7%	56.1%		73.6%	25.8%		0.6%	100.0%	99.4%	2.4%
Car	L7	2014	335	0.044	30.3	20.0	28.4	24.1	4093	103.2	197	295	6.7	1.534	0.0716	49.7	2526	5158	10.1%	40.7%	49.3%		78.9%	20.1%		1.0%	100.0%	99.0%	2.3%
Car	L7	2015	292	0.037	30.8	20.3	28.5	24.3	4038	105.1	185	301	6.5	1.689	0.0740	49.5	2603	5225	9.5%	50.4%	40.1%		72.3%	27.3%		0.4%	100.0%	99.6%	0.7%
Car	L7	2016	254	0.036	31.3	20.7	28.5	24.6	4019	106.0	176	292	6.6	1.711	0.0721	49.8	2657	5304	10.1%	46.4%	43.5%		85.5%	14.1%		0.4%	100.0%	99.6%	0.7%
Car	L7	2017	-	0.037	32.9	21.7	29.8	25.7	3927	103.7	151	274	6.8	1.835	0.0691	51.1	2727	5317	22.4%	46.1%	31.5%		89.6%	10.4%			100.0%	100.0%	1.2%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L8	1975																											
Car	L8	1976																											
Car	L8	1977																											
Car	L8	1978																											
Car	L8	1979																											
Car	L8	1980																											
Car	L8	1981																											
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Car	L8	2004																											
Car	L8	2005																											
Car	L8	2006																											
Car	L8	2007	35	0.004	25.2	16.5	24.7	20.4	4500	115.7	281	380	5.7	1.352	0.0844	45.9	2360	5309			100.0%			100.0%			100.0%	100.0%	
Car	L8	2008	33	0.005	24.7	16.4	23.9	19.9	4497	113.8	284	382	5.7	1.343	0.0853	44.9	2272	5120		6.3%	93.7%		8.4%	91.6%			100.0%	100.0%	6.3%
Car	L8	2009	10	0.002	24.2	16.0	23.6	19.6	4699	114.8	282	382	5.7	1.351	0.0816	46.0	2251	5290		42.6%	57.4%		6.6%	93.4%			100.0%	100.0%	2.2%
Car	L8	2010	18	0.003	24.2	15.9	23.7	19.6	4724	117.4	278	385	5.7	1.389	0.0816	46.4	2311	5448		32.1%	67.9%		21.2%	78.8%			100.0%	100.0%	
Car	L8	2011	111	0.019	29.3	19.3	28.1	23.5	4323	112.4	189	292	6.6	1.576	0.0670	51.1	2670	5756		53.8%	46.2%		82.1%	17.9%			99.8%	100.0%	0.5%
Car	L8	2012	249	0.034	29.6	19.2	28.7	23.7	4112	115.8	194	301	6.3	1.606	0.0728	48.9	2765	5661		37.0%	63.0%		65.9%	34.1%			99.9%	100.0%	0.3%
Car	L8	2013	409	0.050	30.3	19.6	29.3	24.2	4081	114.1	175	292	6.5	1.728	0.0710	49.5	2784	5653		44.0%	56.0%		75.9%	24.1%			99.9%	100.0%	0.6%
Car	L8	2014	476	0.062	30.6	19.8	29.6	24.4	4095	113.6	175	289	6.5	1.709	0.0702	50.4	2816	5732		46.1%	53.9%		67.6%	27.8%		4.6%	100.0%	95.4%	0.1%
Car	L8	2015	673	0.085	30.0	19.3	29.4	24.0	4085	110.9	197	302	6.4	1.618	0.0736	49.6	2713	5518	7.5%	32.2%	60.3%		65.2%	33.7%		1.0%	90.2%	99.0%	0.0%
Car	L8	2016	778	0.109	30.2	19.5	29.5	24.2	4043	109.4	198	308	6.3	1.650	0.0759	49.4	2696	5432	10.4%	30.8%	58.8%		65.6%	33.8%		0.6%	86.5%	99.4%	0.0%
Car	L8	2017	-	0.103	30.6	19.9	29.2	24.3	4037	108.3	192	307	6.3	1.697	0.0757	49.6	2680	5398	13.1%	32.5%	54.4%		75.2%	23.8%		1.0%	89.5%	98.2%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	L9	1975																											
Car	L9	1976																											
Car	L9	1977																											
Car	L9	1978																											
Car	L9	1979																											
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Car	L9	2012																											
Car	L9	2013																											
Car	L9	2014																											
Car	L9	2015	276	0.035	34.9	21.9	34.4	27.6	3649	116.0	167	215	7.3	1.276	0.0583	50.4			89.5%	10.3%	0.2%		13.6%	86.4%			100.0%	100.0%	
Car	L9	2016	109	0.015	35.1	22.0	34.3	27.7	3646	114.0	166	217	7.2	1.300	0.0589	50.5			88.7%	8.4%	2.9%		19.5%	80.5%			100.0%	100.0%	
Car	L9	2017	-	0.023	33.0	21.4	30.9	25.9	3955	108.2	160	277	6.4	1.790	0.0694	51.5	2847	5577	40.0%	33.5%	26.6%		86.3%	9.8%		3.8%	100.0%	96.2%	0.6%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	M3	1975																											
Car	M3	1976																											
Car	M3	1977																											
Car	M3	1978	47	0.004	22.3	17.3	21.6	19.0	3441	113.5	219	100	15.0	0.459	0.0293	32.7	2173	3708			100.0%	100.0%							
Car	M3	1979	23	0.002	22.1	17.4	20.9	18.8	3584	111.7	224	102	15.3	0.458	0.0286	33.8	2122	3783			100.0%	100.0%							
Car	M3	1980	17	0.002	21.1	16.9	19.5	18.0	3526	109.1	228	111	14.7	0.485	0.0314	31.8	1964	3464			100.0%	100.0%							
Car	M3	1981	9	0.001	21.4	16.9	20.2	18.2	3500	103.7	229	115	14.2	0.501	0.0328	31.9	1892	3311			100.0%	100.0%							
Car	M3	1982																											
Car	M3	1983																											
Car	M3	1984																											
Car	M3	1985																											
Car	M3	1986																											
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Car	M3	2015																											
Car	M3	2016																											
Car	M3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	M4	1975																											
Car	M4	1976																											
Car	M4	1977																											
Car	M4	1978	1129	0.101	27.7	21.5	26.9	23.6	2567	88.4	123	82	14.4	0.701	0.0316	30.9	2208	2753	44.2%		55.8%	75.1%		21.2%		3.7%			
Car	M4	1979	1509	0.140	26.8	20.7	26.2	22.8	2606	89.9	124	83	15.5	0.696	0.0313	30.1	2133	2723	32.0%	2.5%	65.5%	87.5%		9.8%		2.7%			
Car	M4	1980	1733	0.183	28.0	21.5	27.6	23.9	2582	93.9	123	80	16.0	0.659	0.0306	31.2	2307	2944	47.2%	2.6%	50.2%	83.9%		8.3%		7.7%			
Car	M4	1981	1335	0.153	31.2	24.1	30.6	26.6	2499	99.0	116	78	15.8	0.692	0.0312	33.7	2697	3329	62.3%	3.4%	34.3%	88.8%		4.3%		6.9%			
Car	M4	1982	1074	0.137	31.3	24.0	31.1	26.7	2557	94.7	117	77	17.3	0.675	0.0299	34.5	2596	3272	69.6%	3.7%	26.6%	88.5%		4.4%	3.6%	3.5%			
Car	M4	1983	542	0.068	33.7	26.1	32.7	28.7	2494	98.6	112	75	15.9	0.682	0.0299	36.3	2912	3578	65.4%	7.8%	26.8%	76.0%		7.5%	13.0%	3.5%			
Car	M4	1984	668	0.063	35.1	27.2	34.2	30.0	2505	93.6	112	77	15.6	0.695	0.0306	38.0	2902	3568	61.2%	5.5%	33.3%	61.8%		5.7%	28.8%	3.7%			
Car	M4	1985	444	0.041	36.4	28.2	35.4	31.0	2508	98.5	110	81	14.9	0.733	0.0319	39.3	3148	3886	74.5%	0.8%	24.6%	72.1%		9.0%	18.4%	0.4%			
Car	M4	1986	489	0.044	34.9	26.9	33.6	29.6	2535	95.5	114	83	14.2	0.738	0.0324	38.2	2944	3676	74.2%	0.9%	25.0%	76.4%		14.4%	9.1%	0.1%	0.2%		
Car	M4	1987	344	0.032	35.9	28.0	33.3	30.2	2417	94.4	100	77	14.9	0.769	0.0314	37.2	2944	3526	92.0%	1.0%	7.0%	54.7%		14.2%	31.2%		22.8%		
Car	M4	1988	487	0.045	37.1	29.0	33.9	31.1	2354	96.4	97	74	15.1	0.761	0.0311	37.0	3066	3579	97.9%	0.6%	1.4%	44.4%		19.5%	36.1%		18.1%		
Car	M4	1989	315	0.031	38.1	29.3	35.1	31.8	2380	98.0	96	79	13.9	0.824	0.0330	38.1	3165	3742	99.3%	0.3%	0.4%	34.4%		20.9%	44.7%		35.5%		
Car	M4	1990	195	0.022	37.6	28.7	34.4	31.2	2462	97.1	97	86	12.4	0.892	0.0350	38.6	3057	3761	99.6%		0.4%	9.7%		31.9%	58.4%		57.4%		
Car	M4	1991	143	0.017	38.8	29.8	34.7	32.0	2417	97.2	92	89	12.1	0.975	0.0370	38.7	3121	3769	100.0%			0.4%		69.5%	30.1%		78.7%	11.0%	
Car	M4	1992	107	0.013	38.5	29.1	34.7	31.6	2376	96.4	92	88	11.9	0.963	0.0372	37.6	3052	3623	100.0%					97.5%	2.5%		80.8%	20.0%	
Car	M4	1993	78	0.009	38.6	29.1	34.3	31.5	2308	96.2	90	81	11.5	0.911	0.0354	36.4	3033	3499	100.0%					95.8%	4.2%		76.7%		
Car	M4	1994	53	0.006	39.2	29.3	34.9	31.9	2250	95.0	89	82	11.2	0.921	0.0364	35.9	3029	3408	100.0%					100.0%			100.0%		
Car	M4	1995	18	0.002	42.5	31.1	38.0	34.3	2250	90.0	91	93	10.5	1.022	0.0413	38.6	3088	3474	100.0%					100.0%			100.0%		
Car	M4	1996	20	0.003	42.6	30.9	37.8	34.2	2250	90.0	91	93	11.0	1.022	0.0413	38.5	3077	3461	100.0%					100.0%			100.0%		
Car	M4	1997																											
Car	M4	1998																											
Car	M4	1999																											
Car	M4	2000																											
Car	M4	2001																											
Car	M4	2002																											
Car	M4	2003																											
Car	M4	2004																											
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Car	M4	2011																											
Car	M4	2012																											
Car	M4	2013																											
Car	M4	2014																											
Car	M4	2015																											
Car	M4	2016																											
Car	M4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	M5	1975																											
Car	M5	1976																											
Car	M5	1977																											
Car	M5	1978	1037	0.093	28.7	22.3	27.8	24.5	2564	86.2	114	85	14.1	0.753	0.0326	32.0	2203	2767	20.5%		79.5%	94.2%		5.8%					
Car	M5	1979	742	0.069	25.9	19.8	25.7	22.1	2633	82.6	117	85	14.9	0.724	0.0318	29.7	1926	2471	33.8%		66.2%	81.7%		16.3%		2.0%			
Car	M5	1980	1173	0.124	29.1	22.4	28.5	24.8	2541	86.7	110	80	15.3	0.726	0.0313	32.0	2240	2792	39.2%		60.8%	78.1%		19.5%		2.4%			
Car	M5	1981	1264	0.145	31.8	24.8	30.6	27.1	2488	87.2	110	79	15.4	0.710	0.0313	34.1	2445	2993	49.8%		50.2%	74.5%		20.2%		5.3%			
Car	M5	1982	1210	0.155	32.3	25.1	31.2	27.5	2519	89.8	114	81	16.2	0.710	0.0318	35.2	2577	3190	56.1%	0.2%	43.7%	74.9%		20.2%		4.9%			
Car	M5	1983	1543	0.193	31.9	24.6	31.4	27.3	2583	93.3	120	87	14.4	0.732	0.0331	35.8	2670	3375	66.4%	6.1%	27.5%	67.3%		25.0%	7.0%	0.8%			
Car	M5	1984	1908	0.179	31.5	24.2	31.1	26.9	2646	94.3	125	94	13.7	0.757	0.0349	36.3	2649	3439	69.6%	1.4%	29.0%	56.9%		31.0%	8.9%	3.2%			
Car	M5	1985	2019	0.187	32.1	24.6	31.7	27.4	2629	93.8	122	96	13.4	0.791	0.0358	36.5	2678	3446	70.3%	5.8%	23.9%	55.6%		33.2%	9.3%	2.0%			
Car	M5	1986	2239	0.203	32.2	24.7	31.6	27.4	2684	96.0	122	97	12.8	0.805	0.0356	37.3	2728	3582	78.6%	3.6%	17.9%	41.2%		45.7%	12.0%	1.1%	15.1%		
Car	M5	1987	2328	0.217	31.9	24.2	31.2	27.0	2719	95.5	122	99	13.0	0.821	0.0358	37.1	2660	3547	79.2%	3.4%	17.4%	37.9%		45.6%	16.3%	0.2%	30.3%		
Car	M5	1988	2117	0.197	32.3	24.3	31.4	27.2	2738	96.8	122	104	12.9	0.852	0.0370	37.7	2728	3657	83.0%	3.1%	13.9%	26.0%		48.7%	25.3%		39.9%		
Car	M5	1989	1784	0.178	31.8	23.8	31.0	26.7	2786	98.0	125	108	12.0	0.883	0.0382	37.6	2700	3691	83.2%	3.2%	13.6%	16.4%		59.0%	24.3%	0.2%	46.9%		
Car	M5	1990	1528	0.173	31.2	23.2	30.0	26.1	2834	95.9	125	118	10.7	0.967	0.0410	37.3	2576	3590	83.5%	2.6%	13.9%	2.0%		77.0%	20.9%	0.1%	63.2%		
Car	M5	1991	1599	0.188	32.3	23.9	30.8	26.9	2796	95.7	121	117	10.9	0.974	0.0409	38.0	2659	3646	84.3%	3.1%	12.5%	0.2%		75.9%	23.6%	0.3%	61.1%	2.8%	
Car	M5	1992	1299	0.160	32.5	23.8	31.2	26.9	2813	96.7	122	121	10.4	1.009	0.0423	38.4	2705	3725	85.1%	3.4%	11.5%	0.1%		86.4%	13.5%	0.1%	62.9%	7.0%	
Car	M5	1993	1416	0.167	33.3	24.2	31.7	27.5	2771	97.1	120	117	9.9	0.978	0.0415	38.6	2764	3757	89.3%	2.3%	8.4%			86.3%	13.7%		59.0%	8.5%	
Car	M5	1994	1329	0.158	33.4	24.1	31.8	27.5	2831	97.8	123	119	9.8	0.986	0.0414	39.4	2783	3867	88.7%	1.0%	10.3%			90.2%	9.8%		61.4%	14.4%	
Car	M5	1995	1476	0.157	33.2	23.7	31.8	27.3	2869	99.2	125	126	9.8	1.026	0.0433	39.5	2787	3929	86.1%	2.2%	11.7%			97.1%	2.9%		69.0%	14.2%	
Car	M5	1996	1125	0.143	33.2	23.5	31.8	27.2	2912	100.1	128	130	10.0	1.029	0.0441	39.9	2792	4004	86.6%	3.1%	10.4%			96.3%	3.3%	0.4%	69.2%	19.2%	
Car	M5	1997	1096	0.132	33.3	23.4	31.7	27.1	2897	98.7	125	129	9.9	1.048	0.0441	39.6	2744	3926	86.4%	3.4%	10.2%			98.1%	1.6%	0.3%	69.4%	17.9%	
Car	M5	1998	955	0.120	32.9	22.9	31.2	26.7	2961	99.6	130	134	10.1	1.052	0.0448	39.9	2723	3982	83.8%	4.5%	11.7%			97.6%	1.2%	1.2%	70.7%	26.6%	
Car	M5	1999	870	0.104	32.0	22.2	30.1	25.9	3001	98.7	131	139	9.8	1.079	0.0460	39.1	2610	3882	83.5%	4.7%	11.8%			98.1%	0.9%	1.0%	71.4%	26.6%	
Car	M5	2000	941	0.103	31.8	22.0	29.7	25.6	3017	99.3	134	141	9.3	1.084	0.0465	38.9	2598	3882	78.9%	4.3%	16.8%			97.9%	0.5%	1.6%	68.2%	33.3%	0.6%
Car	M5	2001	851	0.101	32.0	22.0	29.8	25.7	3049	99.8	134	144	9.1	1.095	0.0468	39.5	2628	3963	82.2%	4.6%	13.3%			98.4%		1.6%	73.5%	36.8%	0.2%
Car	M5	2002	779	0.094	32.0	21.8	29.6	25.5	3081	102.4	133	147	9.2	1.126	0.0472	39.7	2672	4077	78.7%	9.1%	12.2%			98.2%		1.8%	76.2%	34.9%	0.1%
Car	M5	2003	689	0.087	32.1	21.8	29.6	25.6	3139	102.7	134	153	9.0	1.159	0.0484	40.7	2697	4198	82.7%	5.9%	11.4%			97.1%		2.9%	82.8%	37.8%	0.9%
Car	M5	2004	532	0.071	32.5	21.9	29.8	25.7	3095	103.6	134	154	8.9	1.164	0.0492	40.3	2729	4186	83.1%	6.7%	10.2%			97.9%		2.1%	86.8%	47.0%	0.9%
Car	M5	2005	561	0.070	32.4	21.7	29.5	25.6	3112	104.5	136	157	8.8	1.166	0.0497	40.2	2737	4214	83.0%	7.5%	9.5%			98.4%		1.6%	90.3%	62.1%	0.9%
Car	M5	2006	514	0.064	32.1	21.4	29.3	25.3	3166	102.5	139	160	8.9	1.161	0.0499	40.6	2663	4181	80.2%	6.4%	13.3%			96.8%		3.2%	90.8%	65.6%	0.1%
Car	M5	2007	458	0.057	32.7	21.8	30.0	25.8	3116	102.0	140	161	8.8	1.161	0.0509	40.6	2703	4162	79.3%	5.3%	15.4%		0.5%	99.5%			93.2%	63.3%	
Car	M5	2008	388	0.053	33.0	22.1	29.9	25.9	3152	103.6	137	162	8.9	1.194	0.0504	41.2	2754	4276	77.8%	9.6%	12.6%		0.4%	99.6%			96.2%	62.1%	
Car	M5	2009	250	0.044	34.2	22.9	30.7	26.7	3107	105.6	130	153	8.9	1.191	0.0488	41.8	2874	4418	84.2%	9.6%	6.2%		1.8%	98.2%			98.8%	78.1%	
Car	M5	2010	166	0.027	34.4	23.0	30.9	27.0	3130	106.4	136	161	8.8	1.193	0.0503	42.5	2937	4525	82.2%	6.7%	11.1%		0.6%	99.4%			97.3%	91.3%	
Car	M5	2011	111	0.019	35.4	24.0	31.0	27.5	3092	109.1	120	156	9.1	1.279	0.0496	42.8	3046	4669	81.9%	17.6%	0.5%			100.0%			96.5%	91.1%	
Car	M5	2012	143	0.019	37.8	25.3	33.1	29.3	2995	103.9	115	145	9.2	1.250	0.0477	43.9	3057	4567	88.7%	10.8%	0.5%		12.6%	87.4%			95.2%	95.2%	
Car	M5	2013	131	0.016	37.8	25.3	32.8	29.1	2963	103.3	112	154	9.0	1.359	0.0508	43.3	3034	4470	82.7%	16.9%	0.4%		12.8%	87.2%			96.7%	96.7%	
Car	M5	2014	98	0.013	37.7	25.2	33.0	29.1	2961	105.9	110	147	9.3	1.315	0.0484	43.3	3134	4590	81.8%	17.9%	0.3%		21.7%	78.3%			92.8%	92.8%	
Car	M5	2015	75	0.009	39.9	26.3	34.6	30.5	2953	103.7	103	133	9.7	1.283	0.0443	45.1	3195	4686	88.0%	11.4%	0.5%		16.1%	83.9%			92.8%	92.8%	
Car	M5	2016	45	0.006	41.1	26.6	36.2	31.4	3033	107.2	102	137	9.4	1.361	0.0448	47.5	3364	5108	86.1%	12.3%	1.6%		46.6%	53.4%			100.0%	100.0%	
Car	M5	2017	-	0.007	41.6	27.1	35.9	31.5	2911	107.0	97	127	9.8	1.322	0.0434	45.9	3389	4924	86.9%	13.1%	0.1%		42.5%	57.5%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	M6	1975																											
Car	M6	1976																											
Car	M6	1977																											
Car	M6	1978																											
Car	M6	1979																											
Car	M6	1980																											
Car	M6	1981																											
Car	M6	1982																											
Car	M6	1983																											
Car	M6	1984																											
Car	M6	1985																											
Car	M6	1986																											
Car	M6	1987																											
Car	M6	1988																											
Car	M6	1989	4	0.000	22.7	16.0	25.0	19.3	3500	50.0	350	240	7.1	0.686	0.0686	33.8	967	1692			100.0%			100.0%					
Car	M6	1990	8	0.001	22.3	15.7	24.2	18.9	3503	50.0	350	302	5.9	0.864	0.0863	33.1	945	1655			100.0%			100.0%			37.2%		
Car	M6	1991	6	0.001	21.9	15.3	23.8	18.5	3583	53.3	346	296	6.1	0.857	0.0831	33.3	982	1770			100.0%			100.0%			30.8%		
Car	M6	1992	6	0.001	22.7	15.9	24.2	19.1	3532	52.8	339	303	5.8	0.914	0.0860	33.9	1008	1784			100.0%			100.0%			16.2%	9.1%	
Car	M6	1993	14	0.002	22.8	15.9	24.0	19.1	3541	73.4	333	284	5.7	0.896	0.0804	34.0	1416	2513	6.4%		93.6%			100.0%			19.2%	4.8%	
Car	M6	1994	27	0.003	23.0	15.9	24.6	19.3	3608	79.5	325	276	5.8	0.932	0.0765	35.0	1551	2810	12.1%		87.9%			100.0%			24.2%	4.5%	
Car	M6	1995	35	0.004	22.6	15.5	24.3	19.0	3637	79.2	311	269	6.1	0.934	0.0740	34.7	1522	2774	6.0%	1.5%	92.5%			100.0%			15.9%	20.2%	
Car	M6	1996	27	0.003	21.9	14.9	23.6	18.4	3623	73.2	323	291	6.0	0.954	0.0807	33.6	1369	2509		13.3%	86.7%			100.0%			3.7%	24.2%	
Car	M6	1997	26	0.003	22.3	15.1	23.7	18.6	3675	79.4	309	320	5.7	1.090	0.0875	34.9	1530	2841		10.6%	89.4%			100.0%			19.2%	33.9%	
Car	M6	1998	23	0.003	23.4	15.8	24.5	19.5	3654	76.5	327	319	5.8	1.002	0.0878	36.0	1517	2800		2.8%	97.2%			100.0%			14.2%	21.0%	
Car	M6	1999	43	0.005	24.2	16.4	24.8	20.0	3537	72.6	294	300	6.1	1.075	0.0845	35.6	1462	2616	7.0%	3.7%	89.3%			100.0%			37.4%	29.5%	
Car	M6	2000	78	0.009	24.6	16.7	24.5	20.2	3405	75.5	240	271	6.2	1.284	0.0790	34.5	1560	2653	15.1%	10.2%	74.7%			100.0%			61.1%	47.8%	
Car	M6	2001	105	0.013	24.4	16.6	24.0	19.9	3512	73.5	210	274	6.2	1.450	0.0779	35.2	1467	2621	2.8%	34.7%	62.5%			100.0%			73.9%	33.5%	
Car	M6	2002	148	0.018	26.1	17.6	25.4	21.2	3361	83.3	202	249	6.6	1.375	0.0734	35.9	1810	3028	37.4%	11.4%	51.3%			100.0%			75.4%	53.0%	
Car	M6	2003	196	0.025	26.6	18.0	25.4	21.5	3355	82.4	188	251	6.6	1.409	0.0738	36.3	1817	3018	43.0%	5.9%	51.1%			100.0%			90.9%	65.8%	
Car	M6	2004	234	0.031	25.8	17.3	24.8	20.8	3469	87.1	186	253	6.6	1.427	0.0723	36.5	1854	3206	32.1%	14.8%	53.1%			100.0%			81.3%	57.3%	
Car	M6	2005	184	0.023	26.0	17.3	24.9	20.9	3438	83.8	186	262	6.5	1.548	0.0757	36.3	1797	3087	33.3%	12.7%	53.9%			100.0%			80.0%	60.0%	
Car	M6	2006	235	0.029	26.6	17.6	25.5	21.4	3458	86.3	185	258	6.6	1.491	0.0743	37.2	1887	3267	38.6%	12.1%	49.3%			100.0%			86.7%	78.7%	
Car	M6	2007	227	0.028	27.7	18.3	26.4	22.2	3476	89.9	177	248	6.9	1.484	0.0709	39.0	2060	3561	44.7%	17.2%	38.1%		5.4%	94.6%			90.8%	65.0%	
Car	M6	2008	196	0.027	27.4	18.1	26.2	22.0	3488	90.6	188	264	6.7	1.481	0.0748	38.9	2060	3564	47.2%	11.8%	41.0%		19.0%	81.0%			91.2%	77.6%	
Car	M6	2009	132	0.023	29.3	19.4	27.7	23.4	3452	92.3	180	251	6.9	1.469	0.0713	41.4	2277	3879	58.0%	7.5%	34.5%		26.5%	66.7%		6.8%	85.5%	77.5%	
Car	M6	2010	178	0.029	28.8	19.0	27.6	23.1	3605	99.4	209	270	6.9	1.349	0.0731	42.6	2402	4285	46.7%	8.4%	44.9%		24.2%	67.0%		8.8%	74.5%	67.3%	
Car	M6	2011	201	0.035	30.4	20.0	28.6	24.1	3560	97.8	187	256	7.1	1.409	0.0701	44.0	2466	4342	49.2%	10.6%	40.2%		27.0%	66.3%		6.8%	88.6%	80.6%	2.8%
Car	M6	2012	271	0.037	32.6	21.5	30.5	25.9	3434	102.3	163	227	7.5	1.433	0.0641	45.3	2765	4667	65.9%	6.8%	27.3%		35.5%	57.3%		7.2%	92.6%	86.2%	0.5%
Car	M6	2013	329	0.040	32.5	21.5	30.4	25.8	3402	100.9	160	234	7.3	1.513	0.0669	44.8	2721	4566	61.3%	5.6%	33.1%		36.2%	58.7%		5.1%	92.3%	88.3%	0.3%
Car	M6	2014	247	0.032	32.3	21.2	30.3	25.6	3473	103.2	168	241	7.2	1.475	0.0675	45.3	2760	4709	61.7%	4.9%	33.4%		40.8%	53.5%		5.7%	92.9%	88.5%	0.3%
Car	M6	2015	280	0.035	31.9	21.1	29.9	25.3	3444	104.5	165	245	7.1	1.538	0.0690	44.6	2774	4686	56.7%	12.4%	30.8%		50.8%	44.7%		4.5%	92.1%	92.3%	0.3%
Car	M6	2016	239	0.034	31.3	20.7	29.2	24.8	3417	102.1	165	259	6.8	1.630	0.0731	43.2	2648	4447	49.5%	15.7%	34.8%		63.5%	36.5%			92.2%	99.7%	0.1%
Car	M6	2017	-	0.039	33.3	21.8	30.8	26.1	3369	103.2	154	241	7.1	1.631	0.0691	45.0	2841	4687	61.3%	8.0%	30.7%		67.7%	31.5%		0.8%	93.8%	98.3%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	M7	1975																											
Car	M7	1976																											
Car	M7	1977																											
Car	M7	1978																											
Car	M7	1979																											
Car	M7	1980																											
Car	M7	1981																											
Car	M7	1982																											
Car	M7	1983																											
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Car	M7	2004																											
Car	M7	2005																											
Car	M7	2006																											
Car	M7	2007																											
Car	M7	2008																											
Car	M7	2009	0	0.000	19.0	12.6	18.9	15.6	4000	50.0	262	450	4.6	1.718	0.1125	31.1	778	1556			100.0%		100.0%				100.0%	100.0%	
Car	M7	2010																											
Car	M7	2011																											
Car	M7	2012	1	0.000	28.5	18.8	26.8	22.7	3500	74.2	220	375	4.9	1.706	0.1071	39.7	1682	2944			100.0%		100.0%				100.0%	100.0%	
Car	M7	2013	2	0.000	28.4	18.8	26.6	22.6	3500	74.2	221	379	4.9	1.709	0.1082	39.5	1676	2933		18.4%	81.6%		100.0%				100.0%	100.0%	
Car	M7	2014	13	0.002	27.3	17.4	28.0	22.2	3501	52.7	361	442	4.3	1.247	0.1264	38.8	1171	2049		2.7%	97.3%		100.0%				11.1%	100.0%	
Car	M7	2015	11	0.001	25.3	16.4	25.3	20.5	3700	52.6	362	513	4.1	1.433	0.1379	38.1	1094	2010		3.9%	96.1%		100.0%				10.8%	100.0%	
Car	M7	2016	9	0.001	25.2	16.4	25.2	20.4	3708	52.3	364	518	4.0	1.438	0.1389	38.0	1083	1993		2.9%	97.1%		100.0%				9.6%	100.0%	
Car	M7	2017	-	0.002	25.5	16.7	24.9	20.6	3682	58.3	312	469	4.3	1.641	0.1273	38.2	1228	2257		19.9%	80.1%		99.4%	0.6%			34.6%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	OT	1975																											
Car	OT	1976																											
Car	OT	1977																											
Car	OT	1978																											
Car	OT	1979	50	0.005	36.9	29.4	34.0	31.3	2122	87.3	91	73	15.6	0.801	0.0345	33.3	2738	2903	100.0%			100.0%							
Car	OT	1980	60	0.006	36.6	29.4	33.5	31.1	2164	87.3	94	77	15.6	0.816	0.0354	33.7	2719	2939	100.0%			100.0%							
Car	OT	1981	51	0.006	34.9	27.9	32.0	29.6	2250	87.8	96	78	15.6	0.816	0.0349	33.4	2603	2928	100.0%			100.0%							
Car	OT	1982	37	0.005	36.6	29.3	33.5	31.1	2200	87.8	91	67	18.1	0.740	0.0307	34.2	2734	3003	100.0%			100.0%							
Car	OT	1983	36	0.005	35.4	28.3	32.7	30.1	2278	89.2	94	70	16.6	0.748	0.0309	34.4	2706	3067	100.0%			100.0%							
Car	OT	1984	3	0.000	33.1	26.4	30.6	28.2	2545	93.5	117	88	14.7	0.758	0.0348	35.8	2643	3352	100.0%			89.1%		10.9%					
Car	OT	1985																											
Car	OT	1986																											
Car	OT	1987																											
Car	OT	1988																											
Car	OT	1989																											
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Car	OT	2009																											
Car	OT	2010																											
Car	OT	2011	14	0.002	119.1	89.6	74.0	80.0	3627	108.1	85	121	9.7	1.753	0.0328	151.9	9195	16576	91.5%		8.5%			31.1%			31.1%	31.1%	
Car	OT	2012	51	0.007	94.2	70.0	62.6	65.6	3817	110.9	96	157	8.9	1.518	0.0397	133.0	7867	14782	86.7%	5.7%	7.6%			67.7%			67.7%	67.7%	67.7%
Car	OT	2013	105	0.013	103.5	92.8	73.6	80.8	3870	112.9	102	175	8.6	1.582	0.0440	173.4	10126	19585	82.1%	17.0%	0.8%			52.8%			52.8%	52.8%	52.8%
Car	OT	2014	105	0.014	100.5	77.2	61.0	67.0	3844	109.3	97	185	8.1	1.920	0.0470	141.8	8111	15590	70.6%	2.9%	26.5%		1.5%	57.3%			58.7%	53.1%	58.7%
Car	OT	2015	123	0.016	115.5	88.4	71.3	77.8	3839	109.7	98	195	8.0	2.181	0.0484	167.9	9692	18675	68.6%	18.0%	13.3%		2.7%	32.9%			35.6%	30.2%	35.6%
Car	OT	2016	104	0.015	125.1	97.1	83.2	88.6	4045	111.0	105	191	7.4	1.251	0.0447	192.2	10599	21547	64.7%	20.8%	14.5%		16.2%	24.1%			40.3%	36.7%	40.3%
Car	OT	2017	-	0.032	121.1	93.0	71.8	79.6	3900	110.7	102	154	7.7	1.141	0.0386	172.5	9835	19252	73.4%	7.4%	19.2%		24.2%	25.3%			49.4%	46.4%	49.4%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	A1	1975																											
Car SUV	A1	1976																											
Car SUV	A1	1977																											
Car SUV	A1	1978																											
Car SUV	A1	1979																											
Car SUV	A1	1980																											
Car SUV	A1	1981																											
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Car SUV	A1	2010																											
Car SUV	A1	2011																											
Car SUV	A1	2012																											
Car SUV	A1	2013																											
Car SUV	A1	2014																											
Car SUV	A1	2015	0	0.000	71.1	49.3	50.7	50.1	4500			134	12.5		0.0298	112.7			100.0%					100.0%					
Car SUV	A1	2016	0	0.000	71.1	49.3	50.7	50.1	4500			134	12.0		0.0298	112.7			100.0%					100.0%					
Car SUV	A1	2017	-	0.000	71.1	48.0	48.0	48.0	4500			134	12.5		0.0298	108.0			100.0%					100.0%					

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	A3	1975																											
Car SUV	A3	1976																											
Car SUV	A3	1977																											
Car SUV	A3	1978	3	0.158	17.0	13.5	15.7	14.4	4000		281	131	14.2	0.465	0.0327	29.0					100.0%	100.0%							
Car SUV	A3	1979	9	0.583	20.8	17.5	17.7	17.6	2750		121	80	17.8	0.661	0.0291	24.2					100.0%	100.0%							
Car SUV	A3	1980	0	0.094	14.3	11.6	12.9	12.1	4000		304	122	15.8	0.401	0.0305	24.3					100.0%	100.0%							
Car SUV	A3	1981																											
Car SUV	A3	1982	11	0.865	23.6	20.7	19.1	19.9	2500		151	84	17.5	0.556	0.0336	24.9					100.0%	100.0%							
Car SUV	A3	1983	13	0.376	23.2	20.4	18.7	19.6	2500		151	87	15.6	0.580	0.0350	24.5					100.0%	100.0%							
Car SUV	A3	1984	9	0.158	18.4	15.8	15.3	15.6	3472		220	105	15.8	0.500	0.0312	26.7					100.0%	100.0%							
Car SUV	A3	1985																											
Car SUV	A3	1986																											
Car SUV	A3	1987																											
Car SUV	A3	1988																											
Car SUV	A3	1989																											
Car SUV	A3	1990																											
Car SUV	A3	1991																											
Car SUV	A3	1992																											
Car SUV	A3	1993																											
Car SUV	A3	1994	25	0.076	22.1	17.3	18.9	18.0	3500		134	118	12.4	0.881	0.0337	31.6					100.0%			100.0%					
Car SUV	A3	1995																											
Car SUV	A3	1996																											
Car SUV	A3	1997																											
Car SUV	A3	1998																											
Car SUV	A3	1999																											
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Car SUV	A3	2012																											
Car SUV	A3	2013																											
Car SUV	A3	2014																											
Car SUV	A3	2015																											
Car SUV	A3	2016																											
Car SUV	A3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	A4	1975																											
Car SUV	A4	1976																											
Car SUV	A4	1977																											
Car SUV	A4	1978																											
Car SUV	A4	1979																											
Car SUV	A4	1980																											
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Car SUV	A4	1986																											
Car SUV	A4	1987																											
Car SUV	A4	1988																											
Car SUV	A4	1989																											
Car SUV	A4	1990	1	0.018	22.9	18.5	19.6	19.0	4000		144	116	14.2	0.806	0.0290	38.0					100.0%			100.0%					
Car SUV	A4	1991	0	0.001	22.9	18.2	19.7	18.9	4000		144	112	14.7	0.778	0.0280	37.9					100.0%			100.0%					
Car SUV	A4	1992																											
Car SUV	A4	1993																											
Car SUV	A4	1994																											
Car SUV	A4	1995																											
Car SUV	A4	1996																											
Car SUV	A4	1997	22	0.061	25.9	19.4	22.6	21.0	3000		149	142	10.3	0.953	0.0473	31.5					100.0%			100.0%			100.0%		
Car SUV	A4	1998																											
Car SUV	A4	1999																											
Car SUV	A4	2000																											
Car SUV	A4	2001																											
Car SUV	A4	2002																											
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Car SUV	A4	2013																											
Car SUV	A4	2014																											
Car SUV	A4	2015																											
Car SUV	A4	2016																											
Car SUV	A4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	A7	1975																											
Car SUV	A7	1976																											
Car SUV	A7	1977																											
Car SUV	A7	1978																											
Car SUV	A7	1979																											
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Car SUV	A7	2012																											
Car SUV	A7	2013																											
Car SUV	A7	2014																											
Car SUV	A7	2015																											
Car SUV	A7	2016	55	0.030	35.4	24.5	29.0	26.9	3920		98	175	9.2	1.792	0.0448	52.7			52.7%	47.3%			100.0%				100.0%	100.0%	
Car SUV	A7	2017	-	0.029	35.4	24.5	29.1	27.0	3903		98	175	9.2	1.792	0.0450	52.6			53.2%	46.8%			100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	CVT	1975																											
Car SUV	CVT	1976																											
Car SUV	CVT	1977																											
Car SUV	CVT	1978																											
Car SUV	CVT	1979																											
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Car SUV	CVT	1999																											
Car SUV	CVT	2000																											
Car SUV	CVT	2001																											
Car SUV	CVT	2002	1	0.001	28.1	19.4	25.8	22.5	3500		134	140	10.5	1.045	0.0400	39.4			100.0%					100.0%			100.0%		
Car SUV	CVT	2003	49	0.085	27.2	18.8	24.6	21.7	3741		172	191	9.0	1.096	0.0502	40.5			100.0%					100.0%			100.0%	48.2%	
Car SUV	CVT	2004	40	0.063	26.6	18.3	24.2	21.2	3852		190	214	8.4	1.115	0.0550	40.8			100.0%					100.0%			100.0%	70.4%	
Car SUV	CVT	2005	36	0.045	26.9	18.7	23.5	21.2	4000		205	232	8.0	1.124	0.0581	42.9			100.0%					100.0%			100.0%	88.4%	11.6%
Car SUV	CVT	2006	39	0.052	27.8	19.4	24.1	21.8	4000		199	222	8.1	1.107	0.0555	44.4			100.0%					100.0%			100.0%	79.2%	20.8%
Car SUV	CVT	2007	36	0.039	27.8	19.3	24.2	21.8	4000		199	223	8.1	1.106	0.0557	44.5			100.0%					100.0%			100.0%	80.2%	19.8%
Car SUV	CVT	2008	53	0.057	35.2	25.3	27.8	26.7	3705		147	156	9.5	1.061	0.0426	50.5			100.0%					100.0%			100.0%	63.9%	36.8%
Car SUV	CVT	2009	82	0.135	30.1	21.0	25.7	23.5	3811		181	209	8.3	1.145	0.0545	45.7			100.0%					100.0%			100.0%	98.4%	15.4%
Car SUV	CVT	2010	76	0.083	31.2	21.9	26.1	24.1	3823		174	204	8.4	1.163	0.0531	47.0			100.0%					100.0%			100.0%	100.0%	16.3%
Car SUV	CVT	2011	96	0.080	32.1	22.2	27.0	24.7	3663		162	186	8.9	1.145	0.0506	45.6			100.0%					100.0%			100.0%	100.0%	7.2%
Car SUV	CVT	2012	141	0.112	31.7	22.0	26.7	24.4	3611		155	185	8.9	1.192	0.0510	44.4			100.0%					100.0%			100.0%	100.0%	3.6%
Car SUV	CVT	2013	148	0.098	32.4	22.4	27.3	24.9	3600		154	179	9.0	1.160	0.0495	45.1			100.0%					100.0%			100.0%	100.0%	3.3%
Car SUV	CVT	2014	145	0.093	33.0	22.6	28.1	25.4	3589		152	179	9.1	1.181	0.0496	46.0			100.0%					100.0%			100.0%	100.0%	0.8%
Car SUV	CVT	2015	342	0.201	36.6	24.9	30.7	27.9	3535		145	173	9.1	1.198	0.0488	49.6			100.0%	0.0%			34.2%	65.8%			100.0%	100.0%	1.5%
Car SUV	CVT	2016	502	0.268	37.2	25.3	31.1	28.3	3466		135	171	9.3	1.264	0.0492	49.3			86.5%	13.5%			27.4%	72.6%			100.0%	100.0%	0.2%
Car SUV	CVT	2017	-	0.155	38.0	25.6	31.8	28.8	3507		131	174	9.0	1.397	0.0498	50.8			100.0%				41.9%	58.1%			100.0%	100.0%	1.5%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L3	1975																											
Car SUV	L3	1976																											
Car SUV	L3	1977																											
Car SUV	L3	1978																											
Car SUV	L3	1979	1	0.039	16.4	13.4	14.6	13.9	4000		289	131	15.1	0.454	0.0328	27.8					100.0%	100.0%							
Car SUV	L3	1980	0	0.868	17.6	14.3	15.9	15.0	4000		279	123	16.1	0.442	0.0308	30.1					100.0%	100.0%							
Car SUV	L3	1981	0	1.000	17.3	13.7	16.1	14.7	4000		318	140	14.3	0.440	0.0350	29.4					100.0%	100.0%							
Car SUV	L3	1982	1	0.089	20.2	15.9	19.1	17.2	3698		224	113	17.2	0.518	0.0311	31.8					100.0%	100.0%							
Car SUV	L3	1983	0	0.001	25.7	19.6	25.6	21.9	3500		119	82	20.0	0.689	0.0234	38.4					100.0%	100.0%							
Car SUV	L3	1984																											
Car SUV	L3	1985	3	0.037	22.5	18.1	20.4	19.1	3000		161	107	14.6	0.670	0.0358	28.9					100.0%	100.0%							
Car SUV	L3	1986	9	0.144	21.8	17.4	19.8	18.4	3447		167	116	14.4	0.695	0.0336	31.9					100.0%	74.1%			25.9%				
Car SUV	L3	1987	0	0.000	21.5	16.8	19.9	18.1	3500		173	125	13.9	0.723	0.0357	31.7					100.0%				100.0%				
Car SUV	L3	1988																											
Car SUV	L3	1989																											
Car SUV	L3	1990																											
Car SUV	L3	1991	31	0.138	20.8	17.0	17.1	17.1	3500		151	92	16.0	0.609	0.0263	29.9					100.0%				100.0%				
Car SUV	L3	1992	24	0.100	20.5	16.8	16.7	16.8	3306		141	100	14.4	0.717	0.0304	27.8					100.0%				100.0%				
Car SUV	L3	1993	28	0.059	20.7	16.9	16.8	16.9	3277		139	99	13.5	0.724	0.0304	27.7					100.0%			1.8%	98.2%				
Car SUV	L3	1994	12	0.036	27.7	21.8	23.2	22.5	2503		97	81	13.6	0.835	0.0324	28.2					100.0%			11.6%	88.4%		6.8%		
Car SUV	L3	1995	8	0.037	28.8	22.5	24.0	23.2	2507		97	80	14.0	0.829	0.0321	29.1					100.0%			2.8%	97.2%				
Car SUV	L3	1996	7	0.024	27.4	21.2	22.9	22.1	2715		97	95	13.6	0.979	0.0350	30.0					100.0%			100.0%			100.0%		
Car SUV	L3	1997	3	0.008	27.9	21.3	23.3	22.4	2500		97	95	13.0	0.979	0.0380	27.9					100.0%			100.0%			100.0%		
Car SUV	L3	1998	3	0.007	27.7	21.0	23.1	22.1	2543		99	96	13.3	0.973	0.0379	28.0					100.0%			100.0%			95.7%		
Car SUV	L3	1999	1	0.002	22.5	16.2	20.5	18.3	3500		150	125	13.0	0.833	0.0357	32.0					100.0%			100.0%					
Car SUV	L3	2000	0	0.001	23.7	16.9	21.8	19.2	3500		150	125	12.4	0.833	0.0357	33.6					100.0%			100.0%					
Car SUV	L3	2001																											
Car SUV	L3	2002																											
Car SUV	L3	2003																											
Car SUV	L3	2004																											
Car SUV	L3	2005																											
Car SUV	L3	2006																											
Car SUV	L3	2007																											
Car SUV	L3	2008																											
Car SUV	L3	2009																											
Car SUV	L3	2010																											
Car SUV	L3	2011																											
Car SUV	L3	2012																											
Car SUV	L3	2013																											
Car SUV	L3	2014																											
Car SUV	L3	2015																											
Car SUV	L3	2016																											
Car SUV	L3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L4	1975																											
Car SUV	L4	1976																											
Car SUV	L4	1977																											
Car SUV	L4	1978																											
Car SUV	L4	1979																											
Car SUV	L4	1980																											
Car SUV	L4	1981																											
Car SUV	L4	1982																											
Car SUV	L4	1983	14	0.431	25.2	19.1	25.5	21.5	3500		172	110	15.5	0.637	0.0313	37.8					100.0%	100.0%							
Car SUV	L4	1984	36	0.648	23.6	17.8	24.2	20.2	3500		173	110	15.4	0.636	0.0314	35.4					100.0%	100.0%							
Car SUV	L4	1985	71	0.804	23.6	17.6	24.5	20.2	3500		172	109	15.2	0.635	0.0313	35.3					100.0%	96.7%			3.3%				
Car SUV	L4	1986	40	0.675	22.0	16.7	21.7	18.7	3500		172	124	13.4	0.718	0.0353	32.8					100.0%			0.0%	100.0%				
Car SUV	L4	1987	81	0.857	22.6	16.9	22.9	19.2	3499		179	131	13.1	0.732	0.0375	33.7					100.0%			32.2%	67.8%				
Car SUV	L4	1988	82	0.754	22.3	16.6	22.2	18.9	3499		205	143	12.5	0.707	0.0410	33.1					100.0%			39.0%	61.0%				
Car SUV	L4	1989	78	0.726	22.3	16.8	21.7	18.8	3499		245	153	11.3	0.634	0.0436	33.0					100.0%			33.6%	66.4%				
Car SUV	L4	1990	41	0.630	21.8	16.3	21.2	18.3	3559		230	155	10.7	0.691	0.0438	32.7					100.0%			59.8%	40.2%				
Car SUV	L4	1991	143	0.639	21.4	15.8	20.9	17.9	3863		240	161	11.0	0.674	0.0417	34.7					100.0%			58.5%	41.5%				
Car SUV	L4	1992	159	0.654	20.8	15.3	20.1	17.4	3878		234	170	10.5	0.726	0.0440	33.8					100.0%			82.6%	17.4%				
Car SUV	L4	1993	393	0.832	20.0	14.6	19.6	16.7	3940		254	190	9.1	0.755	0.0484	33.1					100.0%			100.0%					
Car SUV	L4	1994	223	0.673	21.0	15.3	20.3	17.5	3904		235	181	9.3	0.775	0.0466	34.2			1.8%		98.2%			100.0%			11.2%		
Car SUV	L4	1995	174	0.789	20.6	14.9	19.9	17.1	3906		234	180	9.7	0.776	0.0463	33.6					100.0%			100.0%			23.5%		
Car SUV	L4	1996	236	0.822	21.8	15.7	20.8	18.0	3805		230	175	10.1	0.783	0.0462	34.3			5.8%		94.2%			100.0%			26.6%		
Car SUV	L4	1997	234	0.650	22.6	16.3	21.1	18.5	3685		205	171	10.3	0.864	0.0459	34.2			22.4%		77.6%			100.0%			44.9%		
Car SUV	L4	1998	252	0.554	22.5	16.1	21.0	18.4	3796		215	180	10.3	0.869	0.0472	35.0			16.2%		83.8%			100.0%			38.4%		
Car SUV	L4	1999	304	0.622	23.0	16.5	21.2	18.7	3790		201	178	10.4	0.927	0.0468	35.5			23.3%		76.7%			100.0%			53.5%	7.3%	
Car SUV	L4	2000	440	0.713	22.3	15.9	20.4	18.1	3841		205	179	9.9	0.913	0.0466	34.8			17.3%		82.7%			100.0%			43.4%	7.0%	
Car SUV	L4	2001	582	0.783	23.7	16.7	21.8	19.1	3738		187	176	9.8	0.978	0.0472	35.9			44.4%		55.6%			100.0%			50.3%	12.1%	
Car SUV	L4	2002	528	0.876	24.0	16.8	22.1	19.4	3744		183	180	9.8	1.010	0.0482	36.5			58.6%		41.4%			100.0%			72.8%	20.1%	
Car SUV	L4	2003	434	0.756	24.6	17.1	22.6	19.8	3714		182	180	9.6	1.012	0.0486	36.8			62.8%		37.2%			100.0%			64.1%	19.1%	
Car SUV	L4	2004	413	0.647	25.0	17.1	23.2	20.1	3773		187	184	9.6	0.999	0.0489	38.0			69.9%		30.1%			100.0%			62.9%	20.4%	
Car SUV	L4	2005	403	0.496	25.9	17.8	23.3	20.6	3676		172	179	9.6	1.054	0.0489	37.8			88.8%		11.2%			100.0%			80.2%	10.0%	
Car SUV	L4	2006	373	0.496	26.3	18.0	23.7	20.8	3727		168	177	9.8	1.066	0.0475	39.0			85.8%		14.2%			100.0%			82.0%	16.2%	
Car SUV	L4	2007	305	0.331	27.2	18.6	24.4	21.5	3689		162	170	10.2	1.061	0.0459	39.8			93.4%		6.6%			100.0%			83.8%	38.0%	2.5%
Car SUV	L4	2008	340	0.368	28.0	19.1	25.1	22.1	3645		154	171	10.1	1.117	0.0472	40.4			100.0%					100.0%			100.0%	48.1%	0.6%
Car SUV	L4	2009	139	0.229	28.9	19.7	25.8	22.8	3772		147	170	10.1	1.160	0.0453	43.1			100.0%					100.0%			100.0%	74.4%	2.6%
Car SUV	L4	2010	86	0.094	30.3	20.5	27.1	23.8	3629		151	177	9.7	1.174	0.0489	43.3			100.0%					100.0%			100.0%	99.4%	
Car SUV	L4	2011	123	0.102	31.9	21.3	28.5	24.9	3511		145	167	10.0	1.150	0.0475	43.8			99.8%		0.2%			100.0%			100.0%	98.3%	
Car SUV	L4	2012	83	0.066	28.2	19.1	25.4	22.3	3688		174	188	9.4	1.105	0.0509	41.4			66.3%		33.7%			100.0%			70.1%	70.1%	
Car SUV	L4	2013	9	0.006	27.8	18.7	25.4	22.0	3908		146	171	10.4	1.168	0.0438	43.0			81.7%		18.3%			100.0%			100.0%	100.0%	
Car SUV	L4	2014	8	0.005	27.7	18.6	25.5	22.0	4000		146	173	10.4	1.181	0.0433	43.9			100.0%					100.0%			100.0%	100.0%	
Car SUV	L4	2015	6	0.003	27.7	18.6	25.5	22.0	4000		146	173	10.4	1.181	0.0433	43.9			100.0%					100.0%			100.0%	100.0%	
Car SUV	L4	2016	3	0.002	27.7	18.6	25.5	22.0	4000		146	172	10.5	1.174	0.0430	43.9			100.0%					100.0%			100.0%	100.0%	
Car SUV	L4	2017	-	0.013	27.7	18.6	25.5	22.0	4000		146	173	10.4	1.181	0.0433	43.9			100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L5	1975																											
Car SUV	L5	1976																											
Car SUV	L5	1977																											
Car SUV	L5	1978																											
Car SUV	L5	1979																											
Car SUV	L5	1980																											
Car SUV	L5	1981																											
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Car SUV	L5	1993																											
Car SUV	L5	1994																											
Car SUV	L5	1995																											
Car SUV	L5	1996																											
Car SUV	L5	1997	18	0.050	21.0	15.0	20.1	17.3	4000		244	160	10.5	0.656	0.0400	34.7					100.0%			100.0%					
Car SUV	L5	1998	149	0.327	21.2	15.2	20.0	17.4	4000		244	160	10.9	0.656	0.0400	34.8					100.0%			100.0%					
Car SUV	L5	1999	143	0.292	21.6	15.4	20.3	17.7	4000		244	160	10.8	0.656	0.0400	35.4					100.0%			100.0%					
Car SUV	L5	2000	141	0.229	21.0	14.8	19.7	17.1	4000		244	163	10.2	0.669	0.0408	34.2					100.0%			100.0%					
Car SUV	L5	2001	116	0.156	20.8	14.6	19.3	16.9	4000		247	212	8.5	0.856	0.0529	33.8					100.0%			100.0%					
Car SUV	L5	2002	29	0.048	20.6	14.4	19.1	16.7	4000		246	213	8.6	0.865	0.0533	33.3					100.0%			100.0%					
Car SUV	L5	2003	51	0.088	22.8	15.7	21.3	18.4	3807		218	206	8.6	0.945	0.0539	35.1			52.7%		47.3%			100.0%			58.7%	6.0%	
Car SUV	L5	2004	148	0.232	23.6	16.0	22.3	19.0	4132		215	244	8.1	1.134	0.0589	39.5			73.6%	14.6%	11.9%			100.0%			100.0%	85.5%	
Car SUV	L5	2005	343	0.422	24.4	16.4	22.8	19.5	4059		204	207	9.0	1.012	0.0506	39.7			52.6%	34.4%	13.1%			100.0%			46.5%	42.5%	
Car SUV	L5	2006	316	0.421	24.6	16.6	23.1	19.8	4053		203	208	9.0	1.024	0.0511	40.1			65.3%	20.3%	14.3%			100.0%			90.0%	49.1%	
Car SUV	L5	2007	414	0.450	25.4	17.2	23.5	20.3	3975		199	219	8.7	1.103	0.0549	40.4			73.8%	9.9%	16.3%			100.0%			74.0%	52.9%	
Car SUV	L5	2008	350	0.379	25.7	17.3	23.8	20.5	3986		194	215	8.9	1.109	0.0536	41.0			67.8%	12.3%	20.0%			100.0%			72.5%	71.4%	
Car SUV	L5	2009	189	0.311	26.5	17.9	24.4	21.1	3902		187	212	8.7	1.137	0.0540	41.2			78.9%	7.8%	13.3%			100.0%			81.2%	76.7%	
Car SUV	L5	2010	127	0.138	29.6	20.0	26.9	23.4	3637		160	190	9.1	1.199	0.0520	42.6			91.3%		8.7%			100.0%			100.0%	100.0%	
Car SUV	L5	2011	138	0.115	30.2	20.4	27.0	23.7	3585		154	185	9.1	1.210	0.0514	42.4			96.0%		4.0%			100.0%			100.0%	100.0%	
Car SUV	L5	2012	132	0.105	31.4	20.9	28.4	24.6	3714		164	205	8.8	1.256	0.0551	45.8			85.7%	9.4%	4.9%			100.0%			100.0%	100.0%	
Car SUV	L5	2013	105	0.069	33.4	22.3	29.8	26.0	3572		151	188	9.0	1.255	0.0527	46.5			95.7%		4.3%			100.0%			100.0%	100.0%	
Car SUV	L5	2014	142	0.091	33.7	22.5	30.0	26.2	3533		149	187	9.0	1.258	0.0529	46.4			97.4%		2.6%			100.0%			100.0%	100.0%	
Car SUV	L5	2015	5	0.003	27.2	18.1	25.4	21.7	4269		199	229	8.7	1.181	0.0534	46.9			46.1%		53.9%			100.0%			100.0%	100.0%	
Car SUV	L5	2016																											
Car SUV	L5	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L6	1975																											
Car SUV	L6	1976																											
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Car SUV	L6	1994																											
Car SUV	L6	1995																											
Car SUV	L6	1996																											
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Car SUV	L6	2001																											
Car SUV	L6	2002																											
Car SUV	L6	2003																											
Car SUV	L6	2004																											
Car SUV	L6	2005																											
Car SUV	L6	2006																											
Car SUV	L6	2007	150	0.163	24.3	16.3	23.1	19.6	4335		195	255	7.8	1.340	0.0589	42.4			98.5%	1.2%	0.4%			100.0%			100.0%	42.6%	
Car SUV	L6	2008	175	0.189	24.4	16.2	23.3	19.6	4310		207	260	7.8	1.278	0.0604	42.3			96.1%	3.6%	0.3%		11.5%	88.5%			100.0%	40.5%	
Car SUV	L6	2009	190	0.312	27.6	18.5	25.7	22.0	3848		182	224	8.1	1.230	0.0581	42.4			98.7%	1.0%	0.3%		4.2%	95.8%			100.0%	58.8%	
Car SUV	L6	2010	610	0.667	28.7	19.2	26.5	22.8	4063		176	223	8.5	1.268	0.0548	46.6			86.7%	13.3%	0.0%		39.2%	60.8%			100.0%	100.0%	
Car SUV	L6	2011	830	0.688	29.4	19.6	27.0	23.2	4021		171	219	8.6	1.273	0.0542	47.0			85.9%	14.1%	0.0%		40.2%	59.8%			100.0%	100.0%	
Car SUV	L6	2012	888	0.702	29.3	19.5	26.9	23.1	4012		169	217	8.6	1.285	0.0539	46.7			80.7%	19.3%			56.3%	43.7%			100.0%	100.0%	
Car SUV	L6	2013	1228	0.811	30.9	20.4	28.1	24.2	4038		162	219	8.6	1.383	0.0538	49.0			90.4%	9.6%			57.7%	42.3%			100.0%	100.0%	
Car SUV	L6	2014	1189	0.759	31.0	20.5	27.9	24.1	3926		153	207	8.8	1.380	0.0524	47.6			89.8%	10.2%			67.6%	32.4%			100.0%	100.0%	
Car SUV	L6	2015	1204	0.708	31.3	20.8	28.3	24.5	3948		155	209	8.8	1.375	0.0525	48.6			89.3%	10.7%			62.2%	37.8%			100.0%	100.0%	
Car SUV	L6	2016	1095	0.586	32.3	21.5	29.0	25.2	3863		145	198	8.9	1.396	0.0508	49.0			87.3%	12.7%			63.1%	36.9%			100.0%	100.0%	
Car SUV	L6	2017	-	0.628	32.7	21.7	29.0	25.3	3905		136	194	9.1	1.475	0.0495	49.6			85.8%	14.2%			64.2%	35.8%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L7	1975																											
Car SUV	L7	1976																											
Car SUV	L7	1977																											
Car SUV	L7	1978																											
Car SUV	L7	1979																											
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Car SUV	L7	2005																											
Car SUV	L7	2006																											
Car SUV	L7	2007																											
Car SUV	L7	2008																											
Car SUV	L7	2009	5	0.008	24.0	16.1	22.6	19.3	4500		214	300	7.0	1.402	0.0667	43.3					100.0%			100.0%			100.0%	100.0%	
Car SUV	L7	2010	14	0.015	23.8	16.1	22.2	19.1	4500		213	267	7.6	1.254	0.0594	43.0					100.0%			100.0%			100.0%	100.0%	
Car SUV	L7	2011	13	0.011	23.6	16.0	22.1	19.0	4133		213	277	7.1	1.297	0.0669	39.3					100.0%			100.0%			100.0%	100.0%	
Car SUV	L7	2012	14	0.011	23.6	16.2	22.1	19.1	4224		213	274	7.2	1.284	0.0650	40.4					100.0%			100.0%			100.0%	100.0%	
Car SUV	L7	2013	18	0.012	27.2	18.4	24.4	21.4	4500		217	308	7.0	1.422	0.0685	48.3					100.0%		72.2%	27.8%			100.0%	100.0%	
Car SUV	L7	2014	17	0.011	27.5	18.6	25.2	21.9	4500		215	304	7.0	1.417	0.0676	49.3					100.0%		32.3%	67.7%			100.0%	100.0%	
Car SUV	L7	2015	19	0.011	27.5	18.6	25.2	21.8	4500		215	305	7.0	1.418	0.0677	49.2					100.0%		88.1%	11.9%			100.0%	100.0%	
Car SUV	L7	2016	2	0.001	25.3	17.0	23.6	20.2	4500		226	325	6.7	1.439	0.0722	45.5					100.0%			100.0%			100.0%	100.0%	
Car SUV	L7	2017	-	0.001	25.3	17.0	23.6	20.2	4500		226	325	6.7	1.439	0.0722	45.5					100.0%			100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L8	1975																											
Car SUV	L8	1976																											
Car SUV	L8	1977																											
Car SUV	L8	1978																											
Car SUV	L8	1979																											
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Car SUV	L8	2013																											
Car SUV	L8	2014																											
Car SUV	L8	2015	23	0.014	31.7	21.2	28.5	24.8	4200		157	256	7.3	1.742	0.0610	52.4			51.4%	39.9%	8.6%		60.1%	39.9%			100.0%	100.0%	
Car SUV	L8	2016	48	0.026	31.0	20.6	28.2	24.4	4344		183	279	7.0	1.595	0.0642	52.9			92.9%		7.1%		31.1%	68.9%			100.0%	100.0%	
Car SUV	L8	2017	-	0.073	29.0	19.2	27.0	23.0	4454		214	306	6.8	1.439	0.0686	51.3			71.1%	27.3%	1.6%		76.3%	23.7%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	L9	1975																											
Car SUV	L9	1976																											
Car SUV	L9	1977																											
Car SUV	L9	1978																											
Car SUV	L9	1979																											
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Car SUV	L9	2010																											
Car SUV	L9	2011																											
Car SUV	L9	2012																											
Car SUV	L9	2013																											
Car SUV	L9	2014	54	0.035	31.2	20.5	29.1	24.7	4000		165	218	7.9	1.307	0.0544	49.4			100.0%					100.0%			100.0%	100.0%	
Car SUV	L9	2015	93	0.055	32.5	21.4	29.8	25.5	3852		155	199	8.1	1.279	0.0517	49.1			100.0%					100.0%			100.0%	100.0%	
Car SUV	L9	2016	134	0.072	32.6	21.5	29.7	25.5	3843		149	196	8.2	1.328	0.0511	49.0			87.6%		12.4%		12.4%	87.6%			100.0%	100.0%	
Car SUV	L9	2017	-	0.074	32.5	21.4	29.7	25.5	3838		153	203	8.0	1.333	0.0529	48.8			91.7%		8.3%		8.3%	91.7%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	M3	1975																											
Car SUV	M3	1976																											
Car SUV	M3	1977																											
Car SUV	M3	1978	14	0.842	13.1	9.9	13.1	11.2	4000		259	125	14.2	0.484	0.0313	22.8					100.0%	100.0%							
Car SUV	M3	1979	2	0.121	11.7	9.7	10.1	9.9	4000		304	122	14.6	0.401	0.0305	19.8					100.0%	100.0%							
Car SUV	M3	1980	0	0.019	17.2	14.2	14.9	14.5	4000		196	77	21.1	0.393	0.0193	29.1					100.0%	100.0%							
Car SUV	M3	1981																											
Car SUV	M3	1982																											
Car SUV	M3	1983																											
Car SUV	M3	1984																											
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Car SUV	M3	2015																											
Car SUV	M3	2016																											
Car SUV	M3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	M4	1975																											
Car SUV	M4	1976																											
Car SUV	M4	1977																											
Car SUV	M4	1978																											
Car SUV	M4	1979	4	0.256	13.8	11.0	12.7	11.7	4000		259	125	14.1	0.484	0.0313	23.5					100.0%	100.0%							
Car SUV	M4	1980	0	0.019	14.0	11.0	13.2	11.9	4000		289	116	15.4	0.400	0.0289	23.9					100.0%	100.0%							
Car SUV	M4	1981																											
Car SUV	M4	1982	1	0.046	26.7	20.8	25.7	22.8	3000		173	110	14.6	0.636	0.0367	34.2					100.0%	100.0%							
Car SUV	M4	1983	3	0.085	25.0	19.1	25.0	21.4	3500		163	105	15.2	0.649	0.0301	37.5					100.0%	100.0%							
Car SUV	M4	1984	4	0.067	24.2	18.6	23.8	20.6	3388		161	104	15.0	0.647	0.0306	35.0					100.0%	100.0%							
Car SUV	M4	1985	7	0.077	24.1	18.5	23.8	20.6	3444		163	103	14.9	0.634	0.0300	35.6					100.0%	65.3%			34.7%				
Car SUV	M4	1986	4	0.070	25.0	19.5	23.7	21.2	3399		157	108	13.9	0.690	0.0321	36.3					100.0%				100.0%				
Car SUV	M4	1987	4	0.041	25.5	19.8	24.0	21.5	3447		157	103	14.7	0.657	0.0301	37.2					100.0%				100.0%				
Car SUV	M4	1988	0	0.004	28.1	22.0	25.6	23.6	3000		150	117	12.5	0.780	0.0390	35.3					100.0%				100.0%				
Car SUV	M4	1989																											
Car SUV	M4	1990																											
Car SUV	M4	1991																											
Car SUV	M4	1992	5	0.021	23.0	17.1	21.9	19.2	3450		233	184	8.8	0.793	0.0532	33.1					100.0%			100.0%					
Car SUV	M4	1993																											
Car SUV	M4	1994																											
Car SUV	M4	1995																											
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Car SUV	M4	2016																											
Car SUV	M4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	M5	1975																											
Car SUV	M5	1976																											
Car SUV	M5	1977																											
Car SUV	M5	1978																											
Car SUV	M5	1979																											
Car SUV	M5	1980																											
Car SUV	M5	1981																											
Car SUV	M5	1982																											
Car SUV	M5	1983	4	0.107	24.7	18.6	25.3	21.1	3500		170	108	14.4	0.640	0.0310	37.0					100.0%	100.0%							
Car SUV	M5	1984	7	0.127	23.3	17.5	24.0	19.9	3488		172	109	14.1	0.637	0.0313	34.7					100.0%	100.0%							
Car SUV	M5	1985	7	0.082	22.7	16.8	23.9	19.4	3406		170	109	13.8	0.645	0.0322	33.1					100.0%	100.0%							
Car SUV	M5	1986	7	0.111	23.2	17.7	22.9	19.7	3447		167	121	12.4	0.724	0.0351	34.2					100.0%	22.3%		0.2%	77.2%	0.2%			
Car SUV	M5	1987	10	0.102	24.0	18.1	23.7	20.3	3451		183	135	11.7	0.742	0.0392	35.1					100.0%			50.4%	49.6%				
Car SUV	M5	1988	26	0.242	24.3	18.4	23.5	20.5	3489		181	136	11.9	0.755	0.0391	35.8					100.0%			77.8%	22.2%				
Car SUV	M5	1989	30	0.274	23.7	17.8	23.0	19.9	3491		177	134	11.6	0.759	0.0385	34.9					100.0%	5.2%		74.1%	20.7%				
Car SUV	M5	1990	23	0.351	23.7	18.0	22.3	19.8	3420		175	130	11.2	0.752	0.0380	33.9					100.0%	14.5%		67.7%	17.8%				
Car SUV	M5	1991	50	0.222	23.9	18.1	22.2	19.9	3500		182	131	11.5	0.738	0.0369	34.7					100.0%	3.7%		53.0%	43.3%				
Car SUV	M5	1992	55	0.225	23.9	18.1	22.0	19.8	3436		168	124	11.6	0.759	0.0355	33.9					100.0%	5.5%		54.8%	39.7%				
Car SUV	M5	1993	52	0.109	24.3	18.3	22.1	20.0	3451		173	134	10.4	0.789	0.0383	34.4					100.0%	6.4%		66.8%	26.8%				
Car SUV	M5	1994	71	0.215	23.4	17.5	21.5	19.3	3497		172	136	10.3	0.803	0.0385	33.6			6.7%		93.3%			78.2%	21.8%		17.2%		
Car SUV	M5	1995	38	0.174	25.1	18.7	22.7	20.6	3382		148	116	11.9	0.804	0.0340	34.5			0.8%		99.2%			68.0%	32.0%		3.4%		
Car SUV	M5	1996	44	0.154	25.5	18.9	22.9	20.8	3361		156	132	10.9	0.877	0.0391	34.9			9.4%		90.6%			100.0%			52.6%		
Car SUV	M5	1997	84	0.232	26.5	19.4	23.8	21.5	3254		148	134	10.4	0.928	0.0416	35.0			25.0%		75.0%			100.0%			79.9%		
Car SUV	M5	1998	51	0.111	24.9	18.2	22.4	20.2	3528		168	140	10.8	0.884	0.0397	35.6			12.1%		87.9%			100.0%			64.9%		
Car SUV	M5	1999	41	0.084	25.2	18.3	22.6	20.3	3560		167	143	10.7	0.904	0.0402	36.2			10.6%		89.4%			100.0%			60.9%		
Car SUV	M5	2000	35	0.057	24.0	17.4	21.3	19.3	3717		168	145	10.4	0.908	0.0390	36.0			7.0%		93.0%			100.0%			53.8%		
Car SUV	M5	2001	46	0.062	25.9	18.5	22.9	20.7	3521		147	143	10.1	1.008	0.0408	36.8			38.1%		61.9%			100.0%			60.4%	8.4%	
Car SUV	M5	2002	45	0.075	26.0	18.4	23.1	20.7	3625		148	146	10.2	1.013	0.0405	37.9			53.1%		46.9%			100.0%			85.9%	8.1%	
Car SUV	M5	2003	41	0.072	27.4	19.1	24.6	21.8	3606		144	145	10.1	1.024	0.0404	39.5			74.4%		25.6%			100.0%			84.6%	7.0%	
Car SUV	M5	2004	37	0.058	27.5	18.9	24.8	21.8	3646		145	147	10.1	1.020	0.0404	40.0			74.3%		25.7%			100.0%			91.3%	5.9%	
Car SUV	M5	2005	27	0.033	29.7	20.3	26.5	23.4	3476		135	145	9.9	1.075	0.0418	40.7			98.9%		1.1%			100.0%			99.3%	8.0%	
Car SUV	M5	2006	20	0.027	28.9	19.7	25.7	22.7	3533		134	146	10.0	1.093	0.0415	40.3			93.0%		7.0%			100.0%			100.0%	12.5%	
Car SUV	M5	2007	11	0.012	29.4	19.8	26.7	23.2	3534		132	147	10.1	1.120	0.0416	41.1			100.0%					100.0%			100.0%	20.2%	
Car SUV	M5	2008	6	0.007	29.1	20.0	25.7	22.9	3533		135	151	9.9	1.119	0.0427	40.4			100.0%					100.0%			100.0%	49.7%	
Car SUV	M5	2009	3	0.006	29.7	20.4	26.1	23.3	3572		140	160	9.4	1.142	0.0446	41.7			100.0%					100.0%			100.0%	85.6%	
Car SUV	M5	2010	1	0.001	31.5	21.8	27.1	24.5	3500		147	169	9.1	1.144	0.0482	43.0			100.0%					100.0%			100.0%	100.0%	
Car SUV	M5	2011	3	0.002	32.7	22.1	28.5	25.4	3500		136	161	9.4	1.193	0.0459	44.5			100.0%					100.0%			100.0%	100.0%	
Car SUV	M5	2012	4	0.003	32.9	22.3	28.6	25.5	3500		131	161	9.4	1.237	0.0460	44.7			96.5%		3.5%			100.0%			100.0%	100.0%	
Car SUV	M5	2013	3	0.002	34.5	23.5	29.3	26.5	3500		125	156	9.6	1.255	0.0446	46.4			98.8%		1.2%			100.0%			100.0%	100.0%	
Car SUV	M5	2014	8	0.005	33.8	22.9	29.2	26.1	3500		126	159	9.5	1.263	0.0453	45.7			100.0%					100.0%			100.0%	100.0%	
Car SUV	M5	2015	6	0.003	33.9	23.0	29.2	26.2	3500		126	157	9.6	1.255	0.0449	45.8			100.0%					100.0%			100.0%	100.0%	
Car SUV	M5	2016	5	0.003	33.8	22.8	29.4	26.1	3500		125	159	9.5	1.272	0.0453	45.7			100.0%					100.0%			100.0%	100.0%	
Car SUV	M5	2017	-	0.001	33.7	22.8	29.1	26.0	3500		127	158	9.5	1.249	0.0452	45.6			100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	M6	1975																											
Car SUV	M6	1976																											
Car SUV	M6	1977																											
Car SUV	M6	1978																											
Car SUV	M6	1979																											
Car SUV	M6	1980																											
Car SUV	M6	1981																											
Car SUV	M6	1982																											
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Car SUV	M6	2001																											
Car SUV	M6	2002																											
Car SUV	M6	2003																											
Car SUV	M6	2004																											
Car SUV	M6	2005	3	0.003	23.4	16.0	21.4	18.7	4277		210	222	8.3	1.050	0.0513	40.1					100.0%			100.0%			86.7%	55.3%	
Car SUV	M6	2006	3	0.004	22.3	15.5	20.0	17.8	4345		236	248	7.5	1.047	0.0569	38.6					100.0%			100.0%			69.1%	69.1%	
Car SUV	M6	2007	4	0.004	22.8	15.8	20.5	18.1	4127		233	212	8.2	0.906	0.0511	37.5					100.0%			100.0%			25.4%	25.4%	
Car SUV	M6	2008	0	0.000	22.6	15.8	20.0	18.0	4500		241	261	7.5	1.083	0.0580	40.4					100.0%			100.0%			100.0%	100.0%	
Car SUV	M6	2009	0	0.000	22.7	15.8	20.2	18.0	4500		241	261	7.4	1.083	0.0580	40.6					100.0%			100.0%			100.0%	100.0%	
Car SUV	M6	2010	1	0.001	29.9	20.1	27.3	23.6	3761		155	183	8.7	1.191	0.0487	44.6			91.1%		8.9%			100.0%			100.0%	100.0%	
Car SUV	M6	2011	3	0.003	29.7	19.9	27.0	23.4	3823		146	175	9.0	1.197	0.0461	44.7			100.0%					100.0%			100.0%	100.0%	
Car SUV	M6	2012	1	0.001	28.1	19.1	26.6	22.7	3744		134	193	8.2	1.466	0.0515	42.5			100.0%				48.9%	51.1%			100.0%	100.0%	
Car SUV	M6	2013	2	0.001	37.6	25.0	32.9	29.0	3540		122	159	9.3	1.300	0.0448	51.5			100.0%				99.0%	1.0%			100.0%	100.0%	
Car SUV	M6	2014	3	0.002	37.4	24.9	32.8	28.9	3548		122	159	9.2	1.307	0.0448	51.5			100.0%				100.0%				100.0%	100.0%	
Car SUV	M6	2015	4	0.002	36.6	24.5	31.6	28.1	3500		96	159	9.0	1.702	0.0453	49.2			100.0%				28.3%	71.7%			100.0%	100.0%	
Car SUV	M6	2016	7	0.004	37.3	24.8	32.4	28.6	3255		102	151	9.1	1.512	0.0465	46.5			100.0%				19.5%	80.5%			100.0%	100.0%	
Car SUV	M6	2017	-	0.004	35.6	23.7	31.2	27.4	3438		94	164	8.7	1.782	0.0477	47.2			100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	OT	1975																											
Car SUV	OT	1976																											
Car SUV	OT	1977																											
Car SUV	OT	1978																											
Car SUV	OT	1979																											
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Car SUV	OT	2009																											
Car SUV	OT	2010																											
Car SUV	OT	2011																											
Car SUV	OT	2012	0	0.000	108.2	77.9	73.3	75.2	4036			153	7.7		0.0380	151.7			100.0%										
Car SUV	OT	2013	1	0.001	107.9	77.5	73.2	75.0	4062			152	7.0		0.0377	152.1			100.0%										
Car SUV	OT	2014	1	0.001	107.9	77.6	73.2	75.0	4059			152	7.0		0.0377	152.1			100.0%										
Car SUV	OT	2015																											
Car SUV	OT	2016	18	0.009	124.4	89.8	93.3	91.7	5518			405	4.8		0.0734	253.2				100.0%										
Car SUV	OT	2017	-	0.021	124.1	89.3	93.4	91.6	5562			759	3.5		0.1366	254.8			0.2%	99.8%									

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	A3	1975																											
Van	A3	1976																											
Van	A3	1977																											
Van	A3	1978																											
Van	A3	1979	377	0.784	13.0	10.7	11.6	11.1	4626		334	148	15.4	0.445	0.0321	25.9					100.0%	99.6%			0.4%				
Van	A3	1980	85	0.350	15.2	12.2	13.9	12.9	4657		315	137	16.7	0.437	0.0294	30.3					100.0%	96.8%			3.2%				
Van	A3	1981	77	0.314	16.0	12.9	14.5	13.6	4511		309	131	16.8	0.425	0.0290	30.8					100.0%	97.3%			2.7%				
Van	A3	1982	119	0.385	15.6	12.6	14.2	13.3	4519		314	135	17.5	0.431	0.0299	30.1					100.0%	98.6%			1.4%				
Van	A3	1983	110	0.286	15.7	12.7	14.3	13.4	4399		316	133	16.0	0.424	0.0304	29.6			0.4%		99.6%	97.0%			2.6%	0.4%			
Van	A3	1984	264	0.390	17.8	14.2	16.4	15.1	3962		249	127	15.9	0.548	0.0319	30.6			39.7%		60.3%	97.5%			2.1%	0.5%			
Van	A3	1985	365	0.427	19.2	15.5	17.6	16.4	3827		218	121	16.0	0.593	0.0314	31.9			59.2%		40.8%	98.5%			1.5%				
Van	A3	1986	328	0.314	21.0	16.7	19.4	17.8	3843		204	115	15.8	0.597	0.0299	34.5			66.3%		33.7%	99.1%		0.9%					
Van	A3	1987	287	0.257	19.3	15.3	17.6	16.3	4098		240	137	14.8	0.593	0.0329	33.8			43.2%		56.8%	58.8%		16.7%	24.5%				
Van	A3	1988	199	0.176	19.4	15.3	17.5	16.3	4172		247	139	15.1	0.578	0.0329	34.6			38.1%		61.9%	1.3%		29.9%	68.8%				
Van	A3	1989	262	0.205	20.8	16.3	18.8	17.4	3899		208	131	14.7	0.667	0.0334	34.5			64.6%		35.4%			46.7%	53.3%				
Van	A3	1990	53	0.042	18.7	14.8	16.4	15.6	4326		260	151	12.9	0.615	0.0352	33.8			16.3%	6.7%	77.0%			70.3%	29.7%				
Van	A3	1991	19	0.018	17.3	13.8	14.9	14.3	4609		276	142	14.1	0.527	0.0307	33.0					100.0%			100.0%					
Van	A3	1992	23	0.019	16.4	12.9	14.4	13.6	4897		307	174	12.4	0.564	0.0358	33.5					100.0%			100.0%					
Van	A3	1993	24	0.017	16.6	13.0	14.6	13.7	5074		303	160	12.4	0.526	0.0318	34.9				1.0%	99.0%			100.0%					
Van	A3	1994	30	0.021	16.4	12.7	14.4	13.5	4956		307	175	11.6	0.568	0.0359	33.5					100.0%			100.0%					
Van	A3	1995	27	0.016	16.3	12.6	14.2	13.4	5030		305	168	12.3	0.549	0.0339	33.7					100.0%			100.0%					
Van	A3	1996	23	0.016	15.9	12.1	14.0	13.0	5066		305	170	12.8	0.554	0.0342	33.0					100.0%			100.0%					
Van	A3	1997	5	0.004	16.0	12.1	14.2	13.1	4500		318	215	10.0	0.676	0.0478	29.4					100.0%			100.0%					
Van	A3	1998																											
Van	A3	1999																											
Van	A3	2000																											
Van	A3	2001																											
Van	A3	2002																											
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Van	A3	2013																											
Van	A3	2014																											
Van	A3	2015																											
Van	A3	2016																											
Van	A3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	A4	1975																											
Van	A4	1976																											
Van	A4	1977																											
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Van	A4	1986																											
Van	A4	1987																											
Van	A4	1988																											
Van	A4	1989																											
Van	A4	1990	6	0.005	14.5	11.2	13.5	12.2	4709		348	184	11.2	0.530	0.0393	28.7					100.0%				100.0%				
Van	A4	1991	3	0.003	14.4	11.1	13.2	12.0	4640		344	182	11.3	0.530	0.0394	27.9					100.0%				100.0%				
Van	A4	1992	1	0.001	13.6	10.4	12.5	11.3	4856		360	203	10.5	0.564	0.0421	27.4					100.0%				100.0%				
Van	A4	1993																											
Van	A4	1994																											
Van	A4	1995																											
Van	A4	1996																											
Van	A4	1997																											
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Van	A4	2013																											
Van	A4	2014																											
Van	A4	2015																											
Van	A4	2016																											
Van	A4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	CVT	1975																											
Van	CVT	1976																											
Van	CVT	1977																											
Van	CVT	1978																											
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Van	CVT	2002																											
Van	CVT	2003																											
Van	CVT	2004																											
Van	CVT	2005	76	0.051	25.4	17.3	23.2	20.2	4239		182	203	9.3	1.115	0.0481	42.8			52.1%	47.9%				100.0%			100.0%		
Van	CVT	2006	55	0.047	25.7	17.4	23.6	20.5	4181		182	203	9.2	1.115	0.0487	42.8			63.9%	36.1%				100.0%			100.0%		
Van	CVT	2007	38	0.045	25.7	17.4	23.6	20.5	4168		182	203	9.3	1.115	0.0489	42.7			66.4%	33.6%				100.0%			100.0%		
Van	CVT	2008																											
Van	CVT	2009																											
Van	CVT	2010																											
Van	CVT	2011	16	0.031	27.1	18.5	24.3	21.4	4500		214	260	8.1	1.215	0.0578	48.2			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2012	21	0.032	27.4	18.8	24.4	21.6	4500		214	265	8.0	1.241	0.0589	48.6			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2013	17	0.030	29.5	20.3	24.8	22.7	4172		184	221	9.1	1.186	0.0518	47.1			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2014	19	0.028	30.8	21.3	25.0	23.3	3949		163	189	9.9	1.138	0.0466	45.8			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2015	53	0.081	33.4	22.9	26.5	24.8	3744		144	162	10.6	1.108	0.0424	46.3			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2016	18	0.029	32.4	22.0	26.7	24.4	3935		162	187	9.9	1.136	0.0463	47.9			100.0%					100.0%			100.0%	100.0%	
Van	CVT	2017	-	0.070	34.1	23.5	26.4	25.0	3631		134	148	10.9	1.092	0.0401	45.4			100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L3	1975																											
Van	L3	1976																											
Van	L3	1977																											
Van	L3	1978																											
Van	L3	1979	33	0.068	14.7	12.0	13.0	12.4	4227		301	136	15.6	0.452	0.0322	26.6					100.0%	100.0%							
Van	L3	1980	94	0.390	16.6	13.3	15.3	14.1	4283		297	139	15.8	0.471	0.0325	30.2					100.0%	100.0%							
Van	L3	1981	114	0.466	17.6	14.1	16.3	15.0	4307		285	138	16.0	0.482	0.0318	32.4					100.0%	100.0%							
Van	L3	1982	142	0.458	17.9	14.4	16.5	15.2	4315		286	142	16.8	0.493	0.0327	32.9					100.0%	100.0%							
Van	L3	1983	26	0.068	19.7	15.9	17.8	16.7	4000		225	95	19.2	0.422	0.0238	33.5					100.0%	100.0%							
Van	L3	1984	101	0.149	18.4	14.6	17.0	15.6	4208		266	131	16.0	0.499	0.0309	32.9			8.3%		91.7%	100.0%							
Van	L3	1985	150	0.175	17.2	13.8	15.6	14.6	4369		285	149	14.6	0.531	0.0340	32.0			7.4%		92.6%	100.0%							
Van	L3	1986	183	0.175	17.5	14.0	16.0	14.8	4365		288	146	14.2	0.518	0.0333	32.4			8.3%		91.7%	100.0%							
Van	L3	1987	228	0.205	22.0	17.1	20.7	18.6	3773		207	138	14.0	0.702	0.0368	35.3			72.9%		27.1%	31.8%		68.2%					
Van	L3	1988	367	0.324	22.7	17.3	22.0	19.2	3853		194	143	13.9	0.760	0.0374	37.1			87.8%		12.2%			87.8%	12.2%				
Van	L3	1989	111	0.087	20.9	16.1	19.6	17.6	3871		215	138	13.7	0.682	0.0360	34.2			63.5%		36.5%			63.5%	36.5%				
Van	L3	1990	308	0.244	23.3	17.7	21.9	19.5	3789		186	125	13.8	0.677	0.0331	37.2			90.1%		9.9%			30.6%	69.4%				
Van	L3	1991	225	0.218	23.5	17.9	21.7	19.6	3893		183	125	14.2	0.687	0.0320	38.3			90.8%		9.2%			39.1%	60.9%				
Van	L3	1992	258	0.211	24.0	18.1	22.3	19.9	3902		179	129	13.6	0.718	0.0329	39.1			94.0%		6.0%			63.0%	37.0%				
Van	L3	1993	274	0.190	24.6	18.2	23.1	20.4	3632		179	132	12.0	0.737	0.0365	37.1			96.8%		3.2%			72.7%	27.3%				
Van	L3	1994	259	0.182	23.0	17.2	21.2	19.0	3800		190	142	11.8	0.745	0.0374	36.2			78.6%		21.4%			75.0%	25.0%				
Van	L3	1995	226	0.136	24.4	18.0	22.5	20.0	3647		184	136	12.0	0.737	0.0374	36.6			91.2%		8.8%			69.3%	30.7%				
Van	L3	1996	243	0.172	23.7	17.4	21.9	19.5	4042		182	153	12.2	0.845	0.0378	39.6			90.2%		9.8%			100.0%			12.9%		
Van	L3	1997	204	0.161	23.5	17.0	21.7	19.2	4047		183	149	12.4	0.822	0.0367	39.1			86.5%		13.5%			100.0%			18.3%		
Van	L3	1998	113	0.076	24.1	17.3	22.5	19.7	4059		173	153	12.6	0.898	0.0377	40.3			88.4%		11.6%			100.0%			43.6%		
Van	L3	1999	78	0.054	23.7	17.0	21.7	19.2	4112		168	155	12.6	0.953	0.0378	40.0			78.5%		21.5%			100.0%			78.5%		
Van	L3	2000	76	0.045	24.1	17.1	22.1	19.5	4097		165	155	12.0	0.961	0.0377	40.5			81.2%		18.8%			100.0%			81.2%		
Van	L3	2001	39	0.031	23.0	16.6	20.4	18.5	4136		172	156	11.8	0.941	0.0378	38.8			74.1%		25.9%			100.0%			74.1%		
Van	L3	2002	17	0.014	21.5	15.4	19.0	17.2	4219		186	160	11.9	0.896	0.0380	36.9			58.1%		41.9%			100.0%			58.1%		
Van	L3	2003	5	0.004	17.7	13.2	14.8	14.1	4516		239	175	11.4	0.732	0.0388	31.7					100.0%			100.0%					
Van	L3	2004																											
Van	L3	2005																											
Van	L3	2006																											
Van	L3	2007																											
Van	L3	2008																											
Van	L3	2009																											
Van	L3	2010																											
Van	L3	2011																											
Van	L3	2012																											
Van	L3	2013																											
Van	L3	2014																											
Van	L3	2015																											
Van	L3	2016																											
Van	L3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L4	1975																											
Van	L4	1976																											
Van	L4	1977																											
Van	L4	1978																											
Van	L4	1979																											
Van	L4	1980																											
Van	L4	1981	0	0.000	15.9	12.7	14.7	13.5	4500		302	142	15.3	0.470	0.0316	30.5					100.0%	100.0%							
Van	L4	1982																											
Van	L4	1983	201	0.525	18.2	14.3	17.3	15.5	4569		306	151	14.6	0.495	0.0331	35.8					100.0%	91.9%				8.1%			
Van	L4	1984	207	0.307	19.0	14.8	18.3	16.2	4363		276	136	15.4	0.517	0.0310	35.7					100.0%	81.1%		15.9%		3.0%			
Van	L4	1985	255	0.299	19.9	15.4	19.2	16.9	4106		259	138	14.5	0.556	0.0337	35.2			0.1%		99.9%	82.8%		15.3%	0.9%	1.0%			
Van	L4	1986	445	0.426	21.1	16.2	20.5	17.9	4064		234	134	14.2	0.593	0.0329	36.5			0.1%		99.9%	18.6%		44.0%	37.0%	0.4%			
Van	L4	1987	526	0.472	21.0	16.0	20.4	17.8	4053		237	151	13.3	0.665	0.0372	36.1				0.9%	99.1%			50.9%	48.9%	0.2%			
Van	L4	1988	524	0.463	20.7	15.6	20.3	17.5	4182		251	155	13.3	0.641	0.0372	36.6				0.2%	99.8%			45.0%	54.8%	0.2%			
Van	L4	1989	867	0.679	21.2	15.9	20.7	17.9	4144		234	153	13.0	0.681	0.0369	37.2			21.7%	0.4%	77.9%			60.4%	39.5%	0.1%			
Van	L4	1990	872	0.691	20.8	15.5	20.3	17.5	4196		238	158	12.0	0.686	0.0376	36.9			33.6%	8.8%	57.6%			67.1%	32.8%	0.1%			
Van	L4	1991	772	0.747	21.0	15.6	20.3	17.6	4196		230	156	12.2	0.708	0.0373	37.1			24.5%	13.9%	61.5%			69.1%	30.8%	0.1%			
Van	L4	1992	919	0.753	21.0	15.5	20.2	17.5	4217		234	159	11.9	0.702	0.0377	37.1			32.5%	7.1%	60.4%			73.6%	26.4%	0.1%			
Van	L4	1993	1127	0.782	21.4	15.6	20.8	17.8	4206		226	161	11.0	0.733	0.0383	37.6			39.2%	5.8%	55.0%			80.3%	19.7%				
Van	L4	1994	1123	0.792	21.3	15.5	20.6	17.7	4221		233	163	10.8	0.720	0.0387	37.6			47.5%	8.1%	44.4%			82.4%	17.6%		4.3%		
Van	L4	1995	1406	0.846	21.6	15.5	21.0	17.9	4166		237	162	11.0	0.707	0.0390	37.4			57.7%	10.7%	31.6%			90.0%	10.0%		5.3%		
Van	L4	1996	1143	0.811	22.1	15.7	21.5	18.3	4211		227	174	11.1	0.783	0.0415	38.6			71.8%	2.9%	25.3%			100.0%			4.3%		
Van	L4	1997	1038	0.821	21.9	15.6	21.1	18.0	4277		227	179	11.0	0.801	0.0419	38.6			61.9%	4.9%	33.2%			100.0%			4.1%		
Van	L4	1998	1375	0.924	22.6	15.9	21.9	18.6	4193		221	182	11.0	0.835	0.0435	39.1			77.5%	3.5%	19.0%			100.0%			7.6%		
Van	L4	1999	1385	0.946	22.2	15.5	21.5	18.2	4317		226	184	11.1	0.825	0.0427	39.4			75.9%	2.9%	21.2%			100.0%			8.7%	8.7%	
Van	L4	2000	1615	0.955	22.7	15.8	21.8	18.6	4284		219	184	10.5	0.853	0.0430	39.9			80.6%	2.8%	16.6%			100.0%			18.8%	15.7%	
Van	L4	2001	1194	0.969	22.1	15.3	21.1	18.0	4531		231	203	10.0	0.896	0.0449	41.1			69.1%	8.9%	21.9%			100.0%			20.9%	17.5%	
Van	L4	2002	1028	0.827	23.1	15.9	21.9	18.7	4352		219	195	10.3	0.901	0.0448	41.0			81.7%	3.7%	14.6%			100.0%			14.1%	10.8%	
Van	L4	2003	977	0.793	23.6	16.1	22.3	19.1	4356		222	196	10.1	0.891	0.0450	41.7			79.8%	6.3%	13.9%			100.0%			7.0%	4.4%	
Van	L4	2004	505	0.530	23.2	15.7	22.1	18.7	4444		230	201	10.1	0.882	0.0453	41.7			79.9%	4.1%	16.0%			100.0%			10.0%	8.8%	
Van	L4	2005	952	0.643	23.7	15.9	22.4	19.1	4381		222	198	10.0	0.896	0.0452	41.8			89.5%	2.1%	8.3%			100.0%			3.5%	1.3%	
Van	L4	2006	657	0.563	23.6	15.8	22.4	19.0	4491		224	198	10.2	0.891	0.0442	42.7			88.0%	1.9%	10.1%			100.0%			5.4%	3.4%	
Van	L4	2007	406	0.479	23.4	15.6	22.5	18.9	4488		227	204	10.2	0.901	0.0454	42.5			92.2%	1.0%	6.8%			100.0%			2.0%	17.4%	
Van	L4	2008	213	0.270	23.8	16.0	22.6	19.2	4601		225	204	10.5	0.902	0.0442	44.2			86.7%	1.9%	11.4%			100.0%				36.3%	
Van	L4	2009	80	0.218	23.9	16.1	22.4	19.2	4645		217	206	10.1	0.960	0.0443	44.6			81.2%	3.1%	15.7%			100.0%					
Van	L4	2010	125	0.223	25.6	17.4	23.3	20.3	4305		188	173	11.2	0.947	0.0399	43.7			88.0%	2.5%	9.6%			100.0%			29.6%	5.2%	
Van	L4	2011	45	0.087	24.8	17.2	21.8	19.6	4259		187	179	11.1	1.024	0.0415	41.6			61.9%	6.7%	31.4%			100.0%			63.0%	13.5%	
Van	L4	2012	62	0.093	24.9	17.2	22.3	19.8	4253		188	176	11.3	0.992	0.0407	42.0			59.3%	5.3%	35.4%			100.0%			59.3%	10.7%	
Van	L4	2013	61	0.107	26.0	18.0	23.1	20.6	4081		173	168	11.3	1.026	0.0405	41.9			69.6%	5.5%	24.9%			100.0%			69.6%	10.2%	
Van	L4	2014	22	0.033	19.0	13.2	17.5	15.4	5397		289	240	10.2	0.823	0.0441	41.5				18.8%	81.2%			100.0%				34.8%	
Van	L4	2015																											
Van	L4	2016																											
Van	L4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L5	1975																											
Van	L5	1976																											
Van	L5	1977																											
Van	L5	1978																											
Van	L5	1979																											
Van	L5	1980																											
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Van	L5	1994																											
Van	L5	1995																											
Van	L5	1996																											
Van	L5	1997	17	0.014	20.4	14.6	19.5	16.8	4236		244	160	11.4	0.656	0.0379	35.6				47.3%	52.7%			100.0%					
Van	L5	1998																											
Van	L5	1999																											
Van	L5	2000																											
Van	L5	2001																											
Van	L5	2002	199	0.160	23.0	15.8	22.0	18.7	4625		212	228	9.3	1.075	0.0496	43.4			100.0%					100.0%			100.0%	75.0%	
Van	L5	2003	250	0.203	23.2	15.8	22.1	18.8	4536		208	225	9.2	1.080	0.0499	42.7			100.0%					100.0%			100.0%	79.4%	
Van	L5	2004	448	0.470	24.3	16.3	23.4	19.7	4534		206	228	9.2	1.107	0.0504	44.7			94.2%	5.8%				100.0%			100.0%	88.1%	
Van	L5	2005	454	0.306	24.4	16.2	23.5	19.7	4564		207	232	9.1	1.121	0.0511	45.1			94.7%	5.3%				100.0%			100.0%	79.0%	
Van	L5	2006	455	0.390	25.1	16.7	24.1	20.3	4489		209	231	9.1	1.102	0.0514	45.6			95.4%	4.6%				100.0%			100.0%	88.5%	
Van	L5	2007	403	0.476	24.8	16.6	23.7	20.0	4500		215	249	8.7	1.161	0.0553	45.1			98.0%	2.0%				100.0%			100.0%	84.9%	
Van	L5	2008	342	0.433	25.5	17.0	24.2	20.5	4454		211	247	8.8	1.173	0.0554	45.7			96.2%	3.8%				100.0%			100.0%	88.3%	
Van	L5	2009	186	0.504	25.8	17.2	24.4	20.7	4519		205	241	8.9	1.170	0.0532	46.8			97.0%	3.0%				100.0%			100.0%	89.9%	
Van	L5	2010	203	0.363	25.7	17.1	24.5	20.6	4598		208	242	9.0	1.164	0.0526	47.4			97.2%	2.8%				100.0%			100.0%	100.0%	
Van	L5	2011	82	0.158	27.4	17.8	27.0	22.1	4502		214	248	8.7	1.158	0.0551	49.8			99.9%		0.1%			100.0%			99.9%	99.9%	
Van	L5	2012	145	0.219	28.4	18.5	27.2	22.6	4285		201	228	9.0	1.132	0.0529	48.3			99.9%		0.1%			100.0%			99.9%	99.9%	
Van	L5	2013	87	0.152	28.1	18.3	27.1	22.5	4345		204	234	8.9	1.140	0.0535	48.7			99.9%		0.1%			100.0%			99.9%	99.9%	
Van	L5	2014	11	0.016	32.0	21.4	27.6	24.5	3521		155	158	10.3	1.027	0.0449	43.3			99.3%		0.7%			100.0%			99.3%	99.3%	
Van	L5	2015	9	0.014	32.4	21.6	27.8	24.8	3500		153	157	10.3	1.029	0.0449	43.4			100.0%					100.0%			100.0%	100.0%	
Van	L5	2016																											
Van	L5	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L6	1975																											
Van	L6	1976																											
Van	L6	1977																											
Van	L6	1978																											
Van	L6	1979																											
Van	L6	1980																											
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Van	L6	2004																											
Van	L6	2005																											
Van	L6	2006																											
Van	L6	2007																											
Van	L6	2008	234	0.296	24.1	16.0	23.2	19.5	4570		229	199	10.0	0.871	0.0434	44.6			93.7%	6.3%				100.0%			31.9%		
Van	L6	2009	101	0.275	24.3	16.1	23.5	19.6	4623		233	195	9.9	0.839	0.0420	45.5			98.8%	1.2%				100.0%			29.7%	5.1%	
Van	L6	2010	230	0.412	24.2	16.1	23.4	19.6	4606		235	208	9.5	0.887	0.0451	45.2			100.0%					100.0%			21.1%		
Van	L6	2011	378	0.725	26.2	17.5	24.4	20.9	4531		214	271	8.0	1.262	0.0598	47.3			92.8%	7.0%	0.2%			100.0%			99.8%	100.0%	
Van	L6	2012	433	0.654	26.3	17.5	24.9	21.1	4521		216	274	8.0	1.267	0.0606	47.6			95.8%	4.0%	0.3%			100.0%			99.7%	100.0%	
Van	L6	2013	405	0.709	25.9	17.2	24.7	20.8	4672		217	277	8.0	1.279	0.0595	48.6			94.8%	5.0%	0.2%			100.0%			99.8%	100.0%	
Van	L6	2014	619	0.921	26.8	17.8	25.4	21.5	4490		213	265	8.1	1.245	0.0590	48.2			96.4%	3.4%	0.2%		0.3%	99.7%			99.8%	100.0%	
Van	L6	2015	582	0.889	26.9	17.9	25.3	21.5	4508		210	261	8.2	1.243	0.0578	48.4			93.4%	5.1%	1.4%		5.5%	94.5%			99.6%	100.0%	
Van	L6	2016	589	0.936	26.9	17.9	25.4	21.5	4494		210	261	8.2	1.243	0.0580	48.4			96.0%	2.6%	1.5%		9.1%	90.9%			99.9%	100.0%	
Van	L6	2017	-	0.303	26.8	17.9	24.9	21.3	4469		200	249	8.5	1.241	0.0556	47.7			93.8%	0.4%	5.8%		24.2%	75.8%			99.6%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L7	1975																											
Van	L7	1976																											
Van	L7	1977																											
Van	L7	1978																											
Van	L7	1979																											
Van	L7	1980																											
Van	L7	1981																											
Van	L7	1982																											
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Van	L7	2010																											
Van	L7	2011																											
Van	L7	2012																											
Van	L7	2013																											
Van	L7	2014																											
Van	L7	2015																											
Van	L7	2016	9	0.014	29.8	20.8	23.8	22.4	4734		121	208	9.3	1.712	0.0441	53.0					100.0%		100.0%				100.0%	100.0%	
Van	L7	2017	-	0.005	29.8	20.8	23.7	22.4	4750		121	208	9.3	1.712	0.0439	53.1					100.0%		100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L8	1975																											
Van	L8	1976																											
Van	L8	1977																											
Van	L8	1978																											
Van	L8	1979																											
Van	L8	1980																											
Van	L8	1981																											
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Van	L8	2011																											
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Van	L8	2014																											
Van	L8	2015																											
Van	L8	2016																											
Van	L8	2017	-	0.247	28.2	18.8	26.3	22.4	4739		211	295	7.4	1.399	0.0624	53.1			87.1%	12.9%				100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	L9	1975																											
Van	L9	1976																											
Van	L9	1977																											
Van	L9	1978																											
Van	L9	1979																											
Van	L9	1980																											
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Van	L9	2010																											
Van	L9	2011																											
Van	L9	2012																											
Van	L9	2013																											
Van	L9	2014																											
Van	L9	2015	10	0.016	31.5	21.0	28.4	24.7	3500		146	180	8.4	1.229	0.0514	43.2			100.0%					100.0%			100.0%	100.0%	
Van	L9	2016	14	0.022	31.5	21.0	28.4	24.7	3500		146	180	8.4	1.229	0.0514	43.2			100.0%					100.0%			100.0%	100.0%	
Van	L9	2017	-	0.352	29.4	18.9	28.1	23.2	4387		211	274	7.2	1.292	0.0622	50.8			100.0%					100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	M3	1975																											
Van	M3	1976																											
Van	M3	1977																											
Van	M3	1978																											
Van	M3	1979	40	0.083	17.3	14.1	15.7	14.8	4248		264	129	15.4	0.490	0.0304	31.6					100.0%	100.0%							
Van	M3	1980	29	0.121	19.0	15.1	17.7	16.1	4172		275	126	15.6	0.464	0.0304	33.7					100.0%	100.0%							
Van	M3	1981	20	0.082	19.9	15.9	18.4	16.9	4166		274	125	15.7	0.461	0.0301	35.3					100.0%	100.0%							
Van	M3	1982	12	0.039	20.1	16.1	18.4	17.1	4178		276	117	17.4	0.428	0.0281	35.6					100.0%	100.0%							
Van	M3	1983	11	0.029	19.9	15.9	18.4	17.0	4227		279	118	16.0	0.424	0.0279	35.8					100.0%	100.0%							
Van	M3	1984	14	0.020	20.7	16.6	19.0	17.6	4096		285	118	15.6	0.414	0.0288	36.1					100.0%	100.0%							
Van	M3	1985	7	0.008	20.8	16.8	18.7	17.6	4034		287	132	14.2	0.465	0.0327	35.6					100.0%	100.0%							
Van	M3	1986	5	0.004	20.9	16.9	18.7	17.6	4023		281	136	13.3	0.488	0.0337	35.6					100.0%	100.0%							
Van	M3	1987	1	0.001	20.6	16.4	18.6	17.4	4069		266	161	12.1	0.605	0.0396	35.3					100.0%				100.0%				
Van	M3	1988																											
Van	M3	1989																											
Van	M3	1990																											
Van	M3	1991																											
Van	M3	1992																											
Van	M3	1993																											
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Van	M3	2015																											
Van	M3	2016																											
Van	M3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	M4	1975																											
Van	M4	1976																											
Van	M4	1977																											
Van	M4	1978																											
Van	M4	1979	31	0.065	15.0	12.0	13.7	12.7	4224		272	125	16.0	0.470	0.0290	27.2					100.0%	77.9%			22.1%				
Van	M4	1980	33	0.139	19.3	15.1	18.6	16.5	3938		207	94	19.0	0.476	0.0236	32.5					100.0%	61.3%			38.7%				
Van	M4	1981	34	0.137	19.5	15.5	18.2	16.6	4048		230	99	18.3	0.451	0.0243	33.8			2.4%		97.6%	72.9%			27.1%				
Van	M4	1982	37	0.118	21.1	16.8	19.5	17.9	3928		208	92	20.9	0.463	0.0231	35.8					100.0%	63.8%			20.7%	15.6%			
Van	M4	1983	35	0.090	20.1	15.8	19.1	17.1	3953		217	98	17.9	0.473	0.0245	34.0			0.3%		99.7%	69.2%			30.1%	0.6%			
Van	M4	1984	50	0.074	21.3	16.7	20.1	18.1	3774		196	100	16.9	0.559	0.0265	34.4			17.7%		82.3%	68.0%			31.6%	0.4%			
Van	M4	1985	31	0.036	22.5	17.9	20.9	19.2	3752		180	98	17.0	0.600	0.0263	36.1			10.4%		89.6%	44.1%			55.5%	0.3%			
Van	M4	1986	17	0.016	21.2	16.7	19.6	17.9	3799		191	102	15.7	0.582	0.0269	34.4			6.5%		93.5%	44.2%		40.4%	15.0%	0.4%			
Van	M4	1987	13	0.011	20.0	15.7	18.3	16.9	3903		190	107	15.9	0.601	0.0272	33.0					100.0%	17.4%		76.2%	6.3%	0.1%			
Van	M4	1988	3	0.003	20.6	16.4	18.5	17.3	3885		172	111	16.0	0.666	0.0284	33.7					100.0%			70.3%	29.1%	0.6%			
Van	M4	1989	3	0.002	21.5	17.2	19.0	18.0	4050		168	107	16.2	0.662	0.0263	36.5					100.0%			73.7%	25.1%	1.2%			
Van	M4	1990	3	0.003	21.8	17.6	18.8	18.1	4000		129	90	16.6	0.698	0.0225	36.3				6.6%	93.4%			100.0%					
Van	M4	1991	0	0.000	18.5	15.2	15.4	15.3	4311		129	90	17.8	0.698	0.0209	32.9				100.0%				100.0%					
Van	M4	1992																											
Van	M4	1993																											
Van	M4	1994																											
Van	M4	1995																											
Van	M4	1996																											
Van	M4	1997																											
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Van	M4	2014																											
Van	M4	2015																											
Van	M4	2016																											
Van	M4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	M5	1975																											
Van	M5	1976																											
Van	M5	1977																											
Van	M5	1978																											
Van	M5	1979																											
Van	M5	1980																											
Van	M5	1981																											
Van	M5	1982																											
Van	M5	1983	0	0.001	33.9	29.8	27.3	28.6	3198		97	49	25.5	0.505	0.0160	45.5			24.2%		75.8%					100.0%			
Van	M5	1984	41	0.061	27.8	21.6	26.7	23.7	3370		130	89	16.7	0.689	0.0266	39.9			70.9%		29.1%	68.9%		29.1%		1.9%			
Van	M5	1985	47	0.055	27.4	21.3	26.5	23.3	3301		128	95	15.6	0.743	0.0290	38.5			61.6%	6.3%	32.1%	67.9%		32.0%	0.1%				
Van	M5	1986	68	0.065	26.0	20.1	24.9	22.1	3377		143	101	14.6	0.708	0.0300	37.3			31.1%	19.7%	49.2%	59.6%		33.1%	4.4%	2.9%			
Van	M5	1987	58	0.052	25.5	19.5	24.7	21.6	3408		147	108	14.4	0.738	0.0316	36.9			29.3%	24.5%	46.1%	39.8%		47.5%	12.7%				
Van	M5	1988	39	0.035	24.6	18.5	24.3	20.8	3607		167	116	14.2	0.714	0.0321	37.7			31.8%	20.3%	47.8%			63.1%	36.9%				
Van	M5	1989	35	0.027	24.1	18.0	23.7	20.4	3673		170	120	13.5	0.724	0.0326	37.5			32.2%	15.7%	52.1%			68.7%	31.3%				
Van	M5	1990	19	0.015	25.2	18.8	24.4	21.2	3584		159	123	12.3	0.777	0.0344	38.2			56.8%	12.7%	30.5%			64.9%	35.1%				
Van	M5	1991	14	0.013	23.8	17.8	22.6	19.9	3719		146	117	13.3	0.802	0.0314	36.9			6.4%	35.6%	58.1%			99.0%	1.0%				
Van	M5	1992	20	0.016	26.3	19.4	25.0	21.9	3407		141	118	12.1	0.854	0.0347	37.2			67.5%	11.3%	21.2%			78.6%	21.4%				
Van	M5	1993	17	0.012	24.4	17.6	24.1	20.4	3723		156	118	11.8	0.762	0.0318	38.1			66.5%	0.6%	32.9%			66.0%	34.0%				
Van	M5	1994	7	0.005	25.9	18.7	25.1	21.4	3542		154	115	11.7	0.755	0.0325	38.0			68.5%	7.0%	24.5%			48.1%	51.9%		16.8%		
Van	M5	1995	2	0.001	23.9	17.9	21.5	19.6	3942		138	119	12.8	0.874	0.0321	38.4			67.2%	32.8%				100.0%			59.0%		
Van	M5	1996	0	0.000	28.3	20.9	25.5	23.0	3210		133	127	11.2	0.955	0.0395	37.0			58.1%	41.9%				100.0%			100.0%		
Van	M5	1997																											
Van	M5	1998																											
Van	M5	1999																											
Van	M5	2000																											
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Van	M5	2004																											
Van	M5	2005																											
Van	M5	2006																											
Van	M5	2007																											
Van	M5	2008	1	0.001	31.6	21.5	28.0	24.8	3500		140	153	10.1	1.093	0.0437	43.4			100.0%					100.0%			100.0%	100.0%	
Van	M5	2009	1	0.003	31.6	21.5	28.0	24.8	3500		140	153	9.9	1.093	0.0437	43.3			100.0%					100.0%			100.0%	100.0%	
Van	M5	2010	1	0.002	31.6	21.5	28.0	24.8	3500		140	153	10.0	1.093	0.0437	43.4			100.0%					100.0%			100.0%	100.0%	
Van	M5	2011																											
Van	M5	2012																											
Van	M5	2013																											
Van	M5	2014																											
Van	M5	2015																											
Van	M5	2016																											
Van	M5	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	M6	1975																											
Van	M6	1976																											
Van	M6	1977																											
Van	M6	1978																											
Van	M6	1979																											
Van	M6	1980																											
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Van	M6	2005																											
Van	M6	2006																											
Van	M6	2007																											
Van	M6	2008																											
Van	M6	2009																											
Van	M6	2010																											
Van	M6	2011																											
Van	M6	2012	1	0.002	31.9	21.3	28.4	24.8	3500		153	157	9.5	1.029	0.0449	43.4			100.0%					100.0%			100.0%	100.0%	
Van	M6	2013	1	0.001	31.9	21.3	28.4	24.8	3500		153	157	9.5	1.029	0.0449	43.4			100.0%					100.0%			100.0%	100.0%	
Van	M6	2014	0	0.001	31.9	21.3	28.4	24.8	3500		153	157	9.5	1.029	0.0449	43.4			100.0%					100.0%			100.0%	100.0%	
Van	M6	2015																											
Van	M6	2016																											
Van	M6	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	OT	1975																											
Van	OT	1976																											
Van	OT	1977																											
Van	OT	1978																											
Van	OT	1979																											
Van	OT	1980																											
Van	OT	1981																											
Van	OT	1982																											
Van	OT	1983																											
Van	OT	1984	0	0.000	32.4	25.9	30.0	27.6	2750		122	88	16.4	0.721	0.0320	37.9			100.0%			100.0%							
Van	OT	1985																											
Van	OT	1986																											
Van	OT	1987	2	0.002	18.4	15.4	15.4	15.4	4000		129	90	19.0	0.698	0.0225	30.8				100.0%				100.0%					
Van	OT	1988																											
Van	OT	1989	0	0.000	18.6	15.3	15.5	15.4	4500		129	90	19.8	0.698	0.0200	34.7				100.0%				100.0%					
Van	OT	1990	0	0.000	18.5	15.3	15.3	15.3	4500		129	90	18.2	0.698	0.0200	34.4					100.0%			100.0%					
Van	OT	1991																											
Van	OT	1992																											
Van	OT	1993																											
Van	OT	1994																											
Van	OT	1995																											
Van	OT	1996																											
Van	OT	1997																											
Van	OT	1998																											
Van	OT	1999																											
Van	OT	2000																											
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Van	OT	2008																											
Van	OT	2009																											
Van	OT	2010																											
Van	OT	2011																											
Van	OT	2012																											
Van	OT	2013																											
Van	OT	2014																											
Van	OT	2015																											
Van	OT	2016																											
Van	OT	2017	-	0.023	78.7	62.5	41.5	48.5	5000		220	220	7.5	1.001	0.0440	121.2			100.0%					100.0%			100.0%	100.0%	100.0%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	A3	1975																											
Truck SUV	A3	1976																											
Truck SUV	A3	1977																											
Truck SUV	A3	1978																											
Truck SUV	A3	1979	256	0.665	11.5	9.6	10.0	9.8	4899		358	151	15.3	0.423	0.0310	23.9				66.0%	34.0%	100.0%							
Truck SUV	A3	1980	56	0.303	13.7	11.1	12.4	11.6	4497		327	141	15.7	0.429	0.0312	26.2				99.7%	0.3%	100.0%							
Truck SUV	A3	1981	24	0.179	14.2	11.5	12.8	12.1	4743		326	142	15.9	0.439	0.0301	28.6				100.0%		100.0%							
Truck SUV	A3	1982	35	0.231	14.1	11.5	12.6	12.0	4710		323	143	16.8	0.446	0.0305	28.3				95.5%	4.5%	100.0%							
Truck SUV	A3	1983	35	0.136	14.6	11.8	13.3	12.4	4701		322	140	15.6	0.438	0.0299	29.3				96.8%	3.2%	100.0%							
Truck SUV	A3	1984	164	0.289	16.3	13.0	15.0	13.8	4176		261	129	15.8	0.519	0.0307	29.3				97.4%	2.6%	100.0%							
Truck SUV	A3	1985	88	0.136	14.2	11.4	13.0	12.0	4717		337	165	13.8	0.492	0.0349	28.5				81.2%	18.8%	99.6%				0.4%			
Truck SUV	A3	1986	53	0.075	14.5	11.5	13.3	12.3	4653		337	158	13.6	0.469	0.0338	28.7				91.9%	8.1%	100.0%							
Truck SUV	A3	1987	58	0.075	14.6	11.5	13.3	12.3	4604		327	152	14.0	0.464	0.0330	28.5				93.2%	6.8%	88.1%		11.9%					
Truck SUV	A3	1988	61	0.071	14.9	11.7	13.7	12.6	4649		331	161	13.8	0.484	0.0344	29.3				95.6%	4.4%	43.1%		39.8%	17.1%				
Truck SUV	A3	1989	60	0.073	14.5	11.4	13.2	12.2	4610		330	162	13.2	0.488	0.0350	28.1				94.7%	5.3%	37.9%		36.8%	25.3%				
Truck SUV	A3	1990	14	0.022	15.9	12.4	14.3	13.3	3991		307	128	13.3	0.418	0.0320	26.6				100.0%		99.3%		0.7%					
Truck SUV	A3	1991	11	0.012	16.4	12.8	14.8	13.7	3847		283	168	11.1	0.625	0.0447	26.4				100.0%		34.7%		65.3%					
Truck SUV	A3	1992	6	0.008	16.2	13.0	13.7	13.3	3500		242	190	9.5	0.785	0.0543	23.3				100.0%				100.0%					
Truck SUV	A3	1993	8	0.009	18.0	14.2	15.6	14.8	3500		242	190	8.9	0.785	0.0543	26.0				100.0%				100.0%					
Truck SUV	A3	1994																											
Truck SUV	A3	1995																											
Truck SUV	A3	1996																											
Truck SUV	A3	1997																											
Truck SUV	A3	1998																											
Truck SUV	A3	1999																											
Truck SUV	A3	2000																											
Truck SUV	A3	2001																											
Truck SUV	A3	2002																											
Truck SUV	A3	2003																											
Truck SUV	A3	2004																											
Truck SUV	A3	2005																											
Truck SUV	A3	2006																											
Truck SUV	A3	2007																											
Truck SUV	A3	2008																											
Truck SUV	A3	2009																											
Truck SUV	A3	2010																											
Truck SUV	A3	2011																											
Truck SUV	A3	2012																											
Truck SUV	A3	2013																											
Truck SUV	A3	2014																											
Truck SUV	A3	2015																											
Truck SUV	A3	2016																											
Truck SUV	A3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	A4	1975																											
Truck SUV	A4	1976																											
Truck SUV	A4	1977																											
Truck SUV	A4	1978																											
Truck SUV	A4	1979																											
Truck SUV	A4	1980																											
Truck SUV	A4	1981																											
Truck SUV	A4	1982																											
Truck SUV	A4	1983																											
Truck SUV	A4	1984																											
Truck SUV	A4	1985																											
Truck SUV	A4	1986																											
Truck SUV	A4	1987	15	0.019	21.0	17.4	18.0	17.7	3500		156	109	15.2	0.699	0.0311	30.9				100.0%		100.0%							
Truck SUV	A4	1988	7	0.009	20.1	16.5	17.1	16.8	3500		156	109	15.4	0.699	0.0311	29.4				100.0%		100.0%							
Truck SUV	A4	1989	9	0.011	19.4	15.8	16.5	16.1	4000		181	143	13.2	0.790	0.0358	32.3				100.0%				100.0%					
Truck SUV	A4	1990	12	0.019	15.0	11.5	14.1	12.6	4800		328	175	11.5	0.533	0.0365	30.3				60.0%	40.0%				100.0%				
Truck SUV	A4	1991	4	0.005	15.4	11.8	14.2	12.9	4804		326	174	11.7	0.533	0.0362	31.0				60.8%	39.2%				100.0%				
Truck SUV	A4	1992	0	0.001	13.0	10.0	11.9	10.9	5000		357	193	10.9	0.541	0.0386	27.2				91.2%	8.8%			6.9%	93.1%				
Truck SUV	A4	1993																											
Truck SUV	A4	1994																											
Truck SUV	A4	1995																											
Truck SUV	A4	1996																											
Truck SUV	A4	1997																											
Truck SUV	A4	1998																											
Truck SUV	A4	1999																											
Truck SUV	A4	2000																											
Truck SUV	A4	2001																											
Truck SUV	A4	2002																											
Truck SUV	A4	2003																											
Truck SUV	A4	2004																											
Truck SUV	A4	2005																											
Truck SUV	A4	2006																											
Truck SUV	A4	2007																											
Truck SUV	A4	2008																											
Truck SUV	A4	2009																											
Truck SUV	A4	2010																											
Truck SUV	A4	2011																											
Truck SUV	A4	2012																											
Truck SUV	A4	2013																											
Truck SUV	A4	2014																											
Truck SUV	A4	2015																											
Truck SUV	A4	2016																											
Truck SUV	A4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	A6	1975																											
Truck SUV	A6	1976																											
Truck SUV	A6	1977																											
Truck SUV	A6	1978																											
Truck SUV	A6	1979																											
Truck SUV	A6	1980																											
Truck SUV	A6	1981																											
Truck SUV	A6	1982																											
Truck SUV	A6	1983																											
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Truck SUV	A6	1997																											
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Truck SUV	A6	2001																											
Truck SUV	A6	2002																											
Truck SUV	A6	2003																											
Truck SUV	A6	2004																											
Truck SUV	A6	2005																											
Truck SUV	A6	2006																											
Truck SUV	A6	2007																											
Truck SUV	A6	2008																											
Truck SUV	A6	2009																											
Truck SUV	A6	2010	17	0.007	26.6	18.1	24.2	21.1	4000		121	200	8.7	1.653	0.0500	42.3			54.5%	45.5%			100.0%				100.0%	100.0%	
Truck SUV	A6	2011																											
Truck SUV	A6	2012																											
Truck SUV	A6	2013																											
Truck SUV	A6	2014																											
Truck SUV	A6	2015																											
Truck SUV	A6	2016																											
Truck SUV	A6	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	A7	1975																											
Truck SUV	A7	1976																											
Truck SUV	A7	1977																											
Truck SUV	A7	1978																											
Truck SUV	A7	1979																											
Truck SUV	A7	1980																											
Truck SUV	A7	1981																											
Truck SUV	A7	1982																											
Truck SUV	A7	1983																											
Truck SUV	A7	1984																											
Truck SUV	A7	1985																											
Truck SUV	A7	1986																											
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Truck SUV	A7	1992																											
Truck SUV	A7	1993																											
Truck SUV	A7	1994																											
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Truck SUV	A7	2001																											
Truck SUV	A7	2002																											
Truck SUV	A7	2003																											
Truck SUV	A7	2004																											
Truck SUV	A7	2005																											
Truck SUV	A7	2006																											
Truck SUV	A7	2007																											
Truck SUV	A7	2008																											
Truck SUV	A7	2009																											
Truck SUV	A7	2010	0	0.000	23.1	16.6	19.4	18.1	6000		269	400	5.4	1.487	0.0667	54.3				100.0%			100.0%				100.0%	100.0%	100.0%
Truck SUV	A7	2011	0	0.000	23.2	16.8	19.4	18.2	6000		269	400	5.5	1.487	0.0667	54.5				100.0%			100.0%				100.0%	100.0%	100.0%
Truck SUV	A7	2012																											
Truck SUV	A7	2013																											
Truck SUV	A7	2014																											
Truck SUV	A7	2015	14	0.003	25.0	17.1	22.8	19.9	4500		191	354	6.2	1.849	0.0786	44.8				100.0%			100.0%				100.0%	100.0%	
Truck SUV	A7	2016	11	0.002	25.0	17.1	22.8	19.9	4500		189	350	6.3	1.851	0.0778	44.8				100.0%			100.0%				100.0%	100.0%	
Truck SUV	A7	2017	-	0.002	26.3	18.0	23.7	20.9	4500		169	326	6.7	1.945	0.0724	47.1				100.0%			100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	CVT	1975																											
Truck SUV	CVT	1976																											
Truck SUV	CVT	1977																											
Truck SUV	CVT	1978																											
Truck SUV	CVT	1979																											
Truck SUV	CVT	1980																											
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Truck SUV	CVT	1998																											
Truck SUV	CVT	1999																											
Truck SUV	CVT	2000																											
Truck SUV	CVT	2001																											
Truck SUV	CVT	2002	2	0.000	26.0	18.4	23.2	20.8	3500		134	140	10.7	1.045	0.0400	36.4				100.0%				100.0%			100.0%		
Truck SUV	CVT	2003	46	0.013	26.0	18.3	23.0	20.6	3836		187	211	8.7	1.116	0.0543	39.6				100.0%				100.0%			100.0%	67.2%	
Truck SUV	CVT	2004	42	0.010	25.8	18.0	22.9	20.5	3932		203	231	8.2	1.131	0.0583	40.2				100.0%				100.0%			100.0%	86.3%	
Truck SUV	CVT	2005	49	0.015	26.7	18.7	23.1	21.0	3982		201	227	8.4	1.117	0.0568	42.1				100.0%				100.0%			100.0%	83.1%	13.3%
Truck SUV	CVT	2006	139	0.046	30.9	22.8	24.1	23.5	4394		200	214	7.8	1.063	0.0487	52.5			14.6%	85.4%				100.0%			100.0%	91.0%	66.2%
Truck SUV	CVT	2007	192	0.058	28.7	20.6	23.7	22.2	3987		180	200	8.7	1.113	0.0501	44.8			25.5%	74.5%				100.0%			100.0%	96.2%	24.3%
Truck SUV	CVT	2008	204	0.067	31.4	22.8	24.9	24.0	4028		167	182	9.2	1.105	0.0451	48.6			25.5%	72.7%	1.8%			100.0%			96.1%	88.8%	35.8%
Truck SUV	CVT	2009	183	0.107	28.4	20.1	23.9	22.1	4093		183	210	8.8	1.153	0.0510	45.5			13.6%	85.0%	1.4%		0.1%	99.9%			96.6%	99.4%	13.7%
Truck SUV	CVT	2010	244	0.106	30.4	21.4	25.6	23.6	4007		167	193	9.1	1.156	0.0480	47.8			12.9%	86.8%	0.3%			100.0%			99.5%	99.9%	13.8%
Truck SUV	CVT	2011	350	0.114	31.0	21.4	26.5	24.0	3897		158	182	9.5	1.149	0.0465	46.9			12.5%	87.3%	0.2%			100.0%			99.4%	100.0%	4.8%
Truck SUV	CVT	2012	276	0.099	30.7	21.1	26.3	23.8	3946		162	188	9.4	1.154	0.0474	47.2			1.0%	98.8%	0.1%			100.0%			99.5%	100.0%	5.7%
Truck SUV	CVT	2013	459	0.139	31.4	21.6	26.9	24.3	4060		171	200	9.2	1.165	0.0488	49.6			11.4%	88.6%	0.1%			100.0%			99.7%	100.0%	4.5%
Truck SUV	CVT	2014	622	0.168	33.2	22.6	28.6	25.6	3930		164	194	9.2	1.187	0.0490	50.5			10.5%	89.5%			1.7%	98.3%			100.0%	100.0%	3.4%
Truck SUV	CVT	2015	1040	0.221	35.6	23.9	30.3	27.2	3898		158	188	9.4	1.191	0.0480	53.1			6.6%	93.4%			24.5%	75.5%			100.0%	100.0%	2.0%
Truck SUV	CVT	2016	1022	0.216	36.3	24.6	30.6	27.7	3885		154	185	9.3	1.209	0.0477	53.9			5.0%	95.0%			27.4%	72.6%			100.0%	100.0%	5.3%
Truck SUV	CVT	2017	-	0.203	36.4	24.7	30.7	27.8	3890		150	190	9.1	1.319	0.0487	54.3			6.7%	93.3%			37.3%	62.7%			100.0%	100.0%	8.4%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L3	1975																											
Truck SUV	L3	1976																											
Truck SUV	L3	1977																											
Truck SUV	L3	1978																											
Truck SUV	L3	1979	2	0.004	12.1	10.0	10.6	10.3	5000		360	160	14.5	0.444	0.0320	25.7					100.0%	100.0%							
Truck SUV	L3	1980	48	0.261	14.4	11.4	13.4	12.2	5049		343	161	15.1	0.470	0.0319	30.9				64.3%	35.7%	100.0%							
Truck SUV	L3	1981	56	0.411	16.0	12.7	14.9	13.6	4661		318	149	15.3	0.468	0.0319	31.8				77.5%	22.5%	100.0%							
Truck SUV	L3	1982	24	0.163	16.6	13.1	15.7	14.1	4311		317	136	16.7	0.432	0.0316	30.7				100.0%		100.0%							
Truck SUV	L3	1983	26	0.101	15.7	12.5	14.6	13.4	4281		330	135	15.2	0.410	0.0317	28.9				100.0%		100.0%							
Truck SUV	L3	1984	51	0.090	20.8	17.0	18.7	17.7	3364		175	104	16.4	0.607	0.0311	29.7				100.0%		100.0%							
Truck SUV	L3	1985	60	0.093	20.5	16.5	18.7	17.4	3465		166	105	16.5	0.630	0.0302	30.3				100.0%		100.0%							
Truck SUV	L3	1986	75	0.105	19.8	16.1	17.6	16.7	3561		179	117	14.7	0.666	0.0329	29.9				93.9%	6.1%	87.6%			12.4%				
Truck SUV	L3	1987	24	0.031	17.9	14.3	16.1	15.1	4114		212	142	14.0	0.702	0.0345	31.1				77.2%	22.8%	22.8%			77.2%				
Truck SUV	L3	1988	5	0.006	17.7	13.7	16.6	14.9	4500		318	145	14.1	0.456	0.0322	33.5					100.0%				100.0%				
Truck SUV	L3	1989	17	0.021	29.6	24.1	25.3	24.6	2500		97	80	16.2	0.825	0.0320	30.8				100.0%					100.0%				
Truck SUV	L3	1990	14	0.022	28.7	23.2	24.4	23.8	2750		97	80	16.0	0.825	0.0291	32.7				100.0%					100.0%				
Truck SUV	L3	1991	15	0.017	27.2	21.8	23.1	22.4	2804		97	80	16.3	0.825	0.0286	31.4				100.0%					100.0%				
Truck SUV	L3	1992	10	0.013	27.5	21.9	23.3	22.6	2750		97	80	15.8	0.825	0.0291	31.0				100.0%					100.0%				
Truck SUV	L3	1993	9	0.011	27.5	21.8	23.2	22.5	2750		97	80	14.8	0.825	0.0291	30.9				100.0%				14.7%	85.3%				
Truck SUV	L3	1994	30	0.024	23.6	18.3	20.3	19.3	2958		138	114	12.6	0.833	0.0374	28.9				100.0%				47.8%	52.2%		8.8%		
Truck SUV	L3	1995	37	0.023	23.3	18.0	20.0	19.0	2950		137	120	12.0	0.908	0.0402	28.5				100.0%				100.0%					
Truck SUV	L3	1996	11	0.007	27.4	21.2	22.8	22.0	2750		97	95	14.0	0.979	0.0345	30.3				100.0%				100.0%			100.0%		
Truck SUV	L3	1997	34	0.016	20.2	15.2	17.9	16.5	3404		195	151	11.4	0.793	0.0442	28.2				100.0%				100.0%			12.8%		
Truck SUV	L3	1998	29	0.014	19.8	14.8	17.3	16.0	3386		201	156	11.4	0.794	0.0456	27.3				100.0%				100.0%			15.3%		
Truck SUV	L3	1999	30	0.013	18.7	13.9	16.6	15.2	3925		228	172	11.2	0.756	0.0436	29.8				100.0%				100.0%					
Truck SUV	L3	2000	36	0.014	19.1	14.0	16.7	15.4	3939		231	174	10.7	0.754	0.0439	30.3				100.0%				100.0%					
Truck SUV	L3	2001	28	0.011	18.9	14.0	16.4	15.2	3951		233	175	10.4	0.753	0.0442	30.0				100.0%				100.0%					
Truck SUV	L3	2002	28	0.008	18.4	13.6	15.7	14.7	3969		236	190	10.0	0.805	0.0478	29.1				100.0%				100.0%					
Truck SUV	L3	2003																											
Truck SUV	L3	2004																											
Truck SUV	L3	2005																											
Truck SUV	L3	2006																											
Truck SUV	L3	2007																											
Truck SUV	L3	2008																											
Truck SUV	L3	2009																											
Truck SUV	L3	2010																											
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Truck SUV	L3	2012																											
Truck SUV	L3	2013																											
Truck SUV	L3	2014																											
Truck SUV	L3	2015																											
Truck SUV	L3	2016																											
Truck SUV	L3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L4	1975																											
Truck SUV	L4	1976																											
Truck SUV	L4	1977																											
Truck SUV	L4	1978																											
Truck SUV	L4	1979																											
Truck SUV	L4	1980																											
Truck SUV	L4	1981																											
Truck SUV	L4	1982	43	0.287	19.4	14.9	19.0	16.5	5287		336	146	17.2	0.437	0.0279	44.9				55.6%	44.4%	47.7%					52.3%			
Truck SUV	L4	1983	108	0.421	19.7	15.1	19.4	16.8	4691		267	134	16.0	0.533	0.0285	39.9				80.3%	19.7%	82.0%					18.0%			
Truck SUV	L4	1984	181	0.318	19.5	15.0	19.4	16.7	4585		255	134	15.7	0.553	0.0291	38.5				81.2%	18.8%	92.0%					8.0%			
Truck SUV	L4	1985	308	0.476	20.0	15.3	20.0	17.1	4316		229	126	15.8	0.575	0.0290	37.0				87.2%	12.8%	92.8%		3.4%	0.7%	3.1%				
Truck SUV	L4	1986	308	0.431	18.9	14.5	18.6	16.1	4366		241	142	13.8	0.633	0.0330	35.1				87.3%	12.7%	30.8%		36.7%	30.4%	2.2%				
Truck SUV	L4	1987	373	0.479	19.6	14.9	19.3	16.6	4218		238	157	13.1	0.680	0.0375	34.9				90.3%	9.7%			40.9%	58.3%	0.9%				
Truck SUV	L4	1988	488	0.569	19.3	14.7	18.7	16.3	4168		246	161	12.8	0.675	0.0392	34.0				91.6%	8.4%			49.4%	50.0%	0.6%				
Truck SUV	L4	1989	519	0.635	19.4	14.7	18.7	16.4	4269		266	170	12.0	0.655	0.0406	34.9				90.7%	9.3%			47.3%	52.3%	0.4%				
Truck SUV	L4	1990	415	0.646	18.7	14.0	18.2	15.7	4390		263	172	11.3	0.678	0.0401	34.4				89.7%	10.3%			63.8%	35.7%	0.5%				
Truck SUV	L4	1991	651	0.747	19.6	14.6	19.0	16.4	4292		248	169	11.5	0.690	0.0397	35.3				95.5%	4.5%			60.4%	39.4%	0.3%				
Truck SUV	L4	1992	579	0.761	18.8	13.9	18.2	15.7	4364		250	177	11.0	0.723	0.0413	34.4				94.5%	5.5%			75.2%	24.8%					
Truck SUV	L4	1993	660	0.788	19.1	14.0	18.3	15.9	4516		259	186	10.1	0.736	0.0420	35.9				91.6%	8.4%			81.9%	18.1%					
Truck SUV	L4	1994	1064	0.824	18.8	13.9	18.0	15.7	4491		259	188	10.0	0.741	0.0424	35.3				94.7%	5.3%			85.8%	14.2%		11.5%			
Truck SUV	L4	1995	1320	0.827	18.9	13.8	18.0	15.7	4500		261	185	10.4	0.729	0.0416	35.3				89.5%	10.5%			82.5%	17.5%		14.2%			
Truck SUV	L4	1996	1494	0.932	19.4	14.0	18.6	16.1	4443		265	192	10.5	0.734	0.0434	35.7				83.5%	16.5%			100.0%		0.0%	10.3%			
Truck SUV	L4	1997	1574	0.753	19.3	13.9	18.2	15.9	4584		267	201	10.3	0.774	0.0440	36.4				82.4%	17.6%			100.0%		0.0%	20.0%			
Truck SUV	L4	1998	1676	0.788	19.4	13.9	18.4	15.9	4545		263	199	10.6	0.784	0.0439	36.3				85.3%	14.7%			100.0%		0.0%	20.9%			
Truck SUV	L4	1999	1922	0.821	19.4	13.9	18.2	15.9	4585		260	208	10.4	0.830	0.0455	36.5				76.9%	23.1%			100.0%			26.3%	3.6%		
Truck SUV	L4	2000	2117	0.838	19.4	13.8	18.1	15.9	4654		259	210	9.9	0.837	0.0453	36.9				82.4%	17.6%			100.0%			22.4%	2.8%		
Truck SUV	L4	2001	2157	0.797	20.2	14.4	18.5	16.4	4571		242	214	9.6	0.916	0.0469	37.4			9.3%	73.3%	17.4%			100.0%			41.1%	13.2%		
Truck SUV	L4	2002	2537	0.707	20.3	14.2	18.7	16.4	4699		246	233	9.4	0.971	0.0497	38.5			2.4%	74.2%	23.4%			100.0%			53.8%	31.2%		
Truck SUV	L4	2003	2499	0.700	20.2	14.1	18.7	16.3	4835		251	236	9.4	0.968	0.0490	39.3			3.6%	70.6%	25.8%			100.0%			52.2%	35.6%		
Truck SUV	L4	2004	2462	0.604	20.4	14.1	19.0	16.5	4797		255	238	9.3	0.955	0.0498	39.4			2.4%	70.9%	26.6%			100.0%			47.6%	32.1%		
Truck SUV	L4	2005	1478	0.452	20.7	14.2	19.1	16.6	4896		255	250	9.1	0.997	0.0508	40.6			2.6%	74.7%	22.7%			100.0%			57.2%	38.5%		
Truck SUV	L4	2006	1098	0.365	21.2	14.6	19.5	17.0	4737		242	241	9.3	1.015	0.0507	40.3			3.1%	78.2%	18.6%			100.0%			67.4%	50.4%		
Truck SUV	L4	2007	1170	0.353	21.6	14.7	20.1	17.4	5030		259	256	9.3	1.000	0.0506	43.6			1.4%	68.6%	30.0%			100.0%			34.6%	26.2%		
Truck SUV	L4	2008	877	0.285	22.3	15.2	20.6	17.9	4733		239	238	9.5	1.008	0.0499	42.3			1.0%	76.1%	22.9%			100.0%			44.9%	28.7%		
Truck SUV	L4	2009	297	0.173	24.8	17.0	22.4	19.7	4120		191	197	9.8	1.057	0.0478	41.0			1.8%	88.5%	9.7%		0.0%	100.0%			64.9%	29.3%	0.2%	
Truck SUV	L4	2010	345	0.149	25.8	17.7	23.3	20.5	3998		185	188	10.0	1.041	0.0472	41.4			0.9%	92.3%	6.8%			100.0%			58.6%	56.8%		
Truck SUV	L4	2011	352	0.115	25.6	17.5	23.0	20.3	4069		191	192	9.9	1.031	0.0472	41.8			1.8%	89.8%	8.4%			100.0%			52.3%	49.5%		
Truck SUV	L4	2012	250	0.090	27.0	18.4	24.2	21.3	4038		175	187	10.1	1.088	0.0463	43.4			6.9%	93.1%				100.0%			68.3%	68.3%		
Truck SUV	L4	2013	70	0.021	29.0	19.7	25.8	22.8	3723		150	173	10.1	1.154	0.0467	42.4			43.0%	57.0%				100.0%			100.0%	100.0%		
Truck SUV	L4	2014	33	0.009	27.6	18.5	25.4	21.9	4000		146	173	10.4	1.181	0.0433	43.8			100.0%					100.0%			100.0%	100.0%		
Truck SUV	L4	2015	42	0.009	27.7	18.6	25.5	22.0	4000		146	173	10.4	1.181	0.0433	43.9			100.0%					100.0%			100.0%	100.0%		
Truck SUV	L4	2016	41	0.009	27.7	18.6	25.5	22.0	4000		146	172	10.5	1.174	0.0430	43.9			100.0%					100.0%			100.0%	100.0%		
Truck SUV	L4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L5	1975																											
Truck SUV	L5	1976																											
Truck SUV	L5	1977																											
Truck SUV	L5	1978																											
Truck SUV	L5	1979																											
Truck SUV	L5	1980																											
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Truck SUV	L5	1995																											
Truck SUV	L5	1996																											
Truck SUV	L5	1997	279	0.134	20.1	14.4	19.0	16.5	4500		244	160	11.4	0.656	0.0356	37.2				68.8%	31.2%			100.0%					
Truck SUV	L5	1998	262	0.123	20.1	14.5	18.9	16.5	4480		237	169	11.4	0.726	0.0378	37.0				83.1%	16.9%			100.0%			15.1%		
Truck SUV	L5	1999	252	0.107	20.0	14.3	18.6	16.3	4528		238	202	10.2	0.854	0.0446	37.0				85.9%	14.1%			100.0%			20.7%		
Truck SUV	L5	2000	249	0.098	20.2	14.4	18.8	16.5	4656		239	200	10.0	0.844	0.0430	38.3				83.4%	16.6%			100.0%			21.5%	2.2%	
Truck SUV	L5	2001	419	0.155	19.9	14.0	18.6	16.2	4634		241	223	9.1	0.940	0.0481	37.6				86.5%	13.5%			100.0%			31.9%	22.3%	
Truck SUV	L5	2002	907	0.253	19.6	13.7	18.4	15.9	4564		249	224	9.1	0.907	0.0491	36.5				71.7%	28.3%			100.0%			17.1%	9.8%	
Truck SUV	L5	2003	946	0.265	20.2	14.0	18.9	16.4	4664		247	233	9.0	0.958	0.0500	38.3			0.0%	78.8%	21.1%			100.0%			47.9%	26.7%	
Truck SUV	L5	2004	1430	0.351	20.2	13.9	18.8	16.3	4743		253	246	8.8	0.994	0.0519	38.8			3.6%	78.6%	17.8%			100.0%			60.0%	46.6%	
Truck SUV	L5	2005	1604	0.490	20.8	14.3	19.3	16.7	4662		237	240	8.8	1.034	0.0514	39.1			3.5%	77.7%	18.7%			99.5%		0.5%	68.9%	58.8%	
Truck SUV	L5	2006	1490	0.496	21.2	14.5	19.7	17.1	4665		234	235	9.0	1.024	0.0505	39.9			6.5%	73.1%	20.3%			99.5%		0.5%	65.9%	61.8%	
Truck SUV	L5	2007	1318	0.398	22.2	15.3	20.4	17.8	4591		227	238	9.0	1.068	0.0518	41.1			6.5%	78.6%	15.0%			99.8%		0.2%	72.2%	67.0%	
Truck SUV	L5	2008	1185	0.386	22.8	15.6	21.0	18.3	4576		223	247	8.9	1.121	0.0537	42.0			8.9%	77.5%	13.7%			99.8%		0.2%	76.8%	69.4%	
Truck SUV	L5	2009	524	0.306	24.0	16.4	22.0	19.2	4458		209	239	8.8	1.158	0.0534	42.9			9.8%	83.9%	6.3%			100.0%			83.4%	83.8%	
Truck SUV	L5	2010	621	0.269	24.2	16.5	22.3	19.4	4503		214	238	8.9	1.134	0.0530	43.9			12.0%	75.8%	12.3%			100.0%			79.8%	81.0%	
Truck SUV	L5	2011	825	0.269	24.7	16.8	22.7	19.8	4573		216	258	8.6	1.206	0.0560	45.3			11.1%	77.3%	11.6%			100.0%			93.4%	98.8%	
Truck SUV	L5	2012	812	0.293	25.4	17.3	23.2	20.2	4476		210	257	8.4	1.234	0.0574	45.5			9.9%	80.5%	9.6%			100.0%			99.6%	99.6%	
Truck SUV	L5	2013	803	0.243	25.8	17.6	23.4	20.5	4417		205	253	8.5	1.242	0.0571	45.5			11.9%	80.4%	7.7%			100.0%			99.9%	99.9%	
Truck SUV	L5	2014	591	0.160	26.9	18.3	24.0	21.2	4221		194	235	8.7	1.225	0.0555	45.2			4.7%	91.0%	4.3%			100.0%			100.0%	100.0%	
Truck SUV	L5	2015	410	0.087	23.6	16.3	21.3	18.8	4602		228	273	8.1	1.208	0.0597	43.5			8.1%	83.8%	8.1%			100.0%			100.0%	100.0%	
Truck SUV	L5	2016	331	0.070	23.3	16.3	20.7	18.5	4631		230	278	8.1	1.213	0.0604	43.0				88.6%	11.4%			100.0%			100.0%	100.0%	
Truck SUV	L5	2017	-	0.071	23.4	16.3	20.2	18.3	4668		230	278	8.1	1.209	0.0598	42.8				92.6%	7.4%			100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L6	1975																											
Truck SUV	L6	1976																											
Truck SUV	L6	1977																											
Truck SUV	L6	1978																											
Truck SUV	L6	1979																											
Truck SUV	L6	1980																											
Truck SUV	L6	1981																											
Truck SUV	L6	1982																											
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Truck SUV	L6	1997																											
Truck SUV	L6	1998																											
Truck SUV	L6	1999																											
Truck SUV	L6	2000																											
Truck SUV	L6	2001																											
Truck SUV	L6	2002																											
Truck SUV	L6	2003																											
Truck SUV	L6	2004	49	0.012	19.3	13.2	18.4	15.7	5410		232	274	8.8	1.175	0.0510	42.6				100.0%				98.7%		1.3%	98.7%	98.7%	
Truck SUV	L6	2005	67	0.020	19.1	12.9	18.1	15.5	5585		264	294	8.3	1.127	0.0530	43.2				83.4%	16.6%			100.0%			98.1%	98.1%	
Truck SUV	L6	2006	157	0.052	18.8	12.7	18.0	15.3	5580		271	302	8.2	1.122	0.0545	42.6				85.6%	14.4%			99.6%		0.4%	96.2%	96.2%	
Truck SUV	L6	2007	502	0.151	20.9	14.0	20.1	16.9	5139		256	299	8.0	1.206	0.0581	43.5			11.7%	77.8%	10.5%			99.9%		0.1%	80.0%	79.2%	
Truck SUV	L6	2008	685	0.223	21.4	14.3	20.5	17.3	5166		248	292	8.2	1.201	0.0563	44.7			20.2%	70.0%	9.8%		8.8%	91.2%		0.0%	90.2%	85.6%	
Truck SUV	L6	2009	640	0.373	23.1	15.5	22.0	18.7	4918		229	276	8.1	1.232	0.0560	45.8			33.7%	56.6%	9.7%		20.2%	79.1%		0.7%	84.5%	67.0%	
Truck SUV	L6	2010	958	0.416	23.7	16.0	22.2	19.0	4926		233	279	8.1	1.221	0.0567	46.8			21.5%	70.2%	8.3%		27.4%	71.7%		1.0%	88.8%	89.3%	
Truck SUV	L6	2011	1310	0.427	23.8	16.1	22.1	19.1	5039		240	290	8.0	1.240	0.0576	47.9			21.2%	70.2%	8.6%		28.2%	71.0%		0.8%	80.3%	99.2%	
Truck SUV	L6	2012	1175	0.424	23.8	16.1	22.2	19.1	4974		238	289	8.0	1.244	0.0581	47.4			23.9%	68.3%	7.8%		31.4%	67.6%		1.0%	81.6%	99.0%	
Truck SUV	L6	2013	1653	0.499	25.4	17.1	23.5	20.3	4792		218	270	8.3	1.300	0.0561	48.6			16.8%	76.3%	7.0%		31.2%	68.5%		0.2%	83.4%	98.1%	
Truck SUV	L6	2014	1616	0.436	26.5	17.9	24.4	21.1	4599		201	257	8.4	1.321	0.0556	48.4			21.6%	74.5%	3.9%		43.3%	56.7%			93.5%	97.8%	
Truck SUV	L6	2015	2151	0.458	26.7	18.0	24.6	21.2	4693		206	266	8.3	1.332	0.0562	49.6			17.6%	75.9%	6.5%		51.4%	48.6%			85.6%	99.2%	
Truck SUV	L6	2016	2169	0.459	26.9	18.0	24.7	21.3	4598		196	259	8.3	1.367	0.0559	49.0			19.7%	75.3%	5.0%		64.9%	35.1%			90.0%	100.0%	
Truck SUV	L6	2017	-	0.421	26.6	17.9	24.5	21.1	4621		189	264	8.2	1.455	0.0567	48.8			20.2%	74.8%	4.9%		69.4%	30.6%			92.8%	99.5%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L7	1975																											
Truck SUV	L7	1976																											
Truck SUV	L7	1977																											
Truck SUV	L7	1978																											
Truck SUV	L7	1979																											
Truck SUV	L7	1980																											
Truck SUV	L7	1981																											
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Truck SUV	L7	2003																											
Truck SUV	L7	2004																											
Truck SUV	L7	2005																											
Truck SUV	L7	2006	50	0.017	21.0	14.4	19.3	16.8	5000		233	275	8.0	1.201	0.0551	42.3				100.0%				100.0%			100.0%	78.2%	
Truck SUV	L7	2007	63	0.019	20.2	14.0	18.4	16.2	5290		252	303	7.9	1.204	0.0570	43.2				100.0%				91.5%		8.5%	100.0%		
Truck SUV	L7	2008	68	0.022	20.8	14.3	19.1	16.7	5474		247	297	8.3	1.206	0.0541	46.1				100.0%				83.2%		16.8%	100.0%		
Truck SUV	L7	2009	50	0.029	21.2	14.6	19.5	17.0	5218		240	298	7.9	1.246	0.0572	44.5				95.6%	4.4%			88.7%		11.3%	100.0%	80.5%	
Truck SUV	L7	2010	78	0.034	21.6	14.8	19.7	17.3	5063		230	281	8.0	1.228	0.0558	43.8				91.0%	9.0%			92.9%		7.1%	100.0%	100.0%	
Truck SUV	L7	2011	98	0.032	21.2	14.5	19.6	17.0	5362		253	307	7.8	1.223	0.0573	45.8				64.4%	35.6%		17.6%	73.3%		9.0%	100.0%	91.0%	
Truck SUV	L7	2012	106	0.038	22.5	15.5	20.7	18.1	5365		247	313	7.8	1.282	0.0586	48.9				93.7%	6.3%		47.8%	39.1%		13.1%	100.0%	86.9%	
Truck SUV	L7	2013	107	0.032	23.9	16.3	21.5	18.9	5271		241	327	7.4	1.369	0.0623	50.4				85.9%	14.1%		79.8%	9.3%		11.0%	100.0%	89.0%	
Truck SUV	L7	2014	111	0.030	23.7	16.1	21.6	18.8	5344		246	330	7.5	1.358	0.0617	51.0				83.2%	16.8%		84.1%	3.1%		12.8%	100.0%	87.2%	
Truck SUV	L7	2015	145	0.031	25.1	17.1	22.5	19.8	5132		214	313	7.6	1.512	0.0606	51.3				83.7%	16.3%		88.6%	3.6%		7.8%	100.0%	94.6%	
Truck SUV	L7	2016	97	0.021	24.1	16.6	21.7	19.1	5337		226	332	7.4	1.514	0.0618	51.4				76.4%	23.6%		93.0%	3.5%		3.5%	100.0%	98.3%	
Truck SUV	L7	2017	-	0.017	24.3	16.7	21.7	19.2	5203		238	324	7.4	1.412	0.0616	50.5				70.2%	29.8%		92.6%	7.4%			100.0%	100.0%	3.0%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L8	1975																											
Truck SUV	L8	1976																											
Truck SUV	L8	1977																											
Truck SUV	L8	1978																											
Truck SUV	L8	1979																											
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Truck SUV	L8	2008																											
Truck SUV	L8	2009																											
Truck SUV	L8	2010																											
Truck SUV	L8	2011	98	0.032	25.4	17.1	23.9	20.4	4921		190	291	7.5	1.555	0.0591	50.4				100.0%			77.1%	16.1%		6.9%	100.0%	100.0%	1.7%
Truck SUV	L8	2012	107	0.038	25.5	17.1	24.0	20.5	4931		183	283	7.6	1.568	0.0573	50.7				100.0%			81.2%	10.4%		8.4%	100.0%	91.6%	1.6%
Truck SUV	L8	2013	177	0.054	25.9	17.4	24.3	20.8	4822		179	288	7.4	1.650	0.0596	50.3				100.0%			89.4%	3.5%		7.2%	100.0%	92.8%	1.0%
Truck SUV	L8	2014	577	0.156	25.4	17.0	23.9	20.3	4987		217	301	7.4	1.428	0.0602	51.0				83.9%	16.1%		33.6%	62.1%		4.3%	40.9%	92.2%	0.2%
Truck SUV	L8	2015	635	0.135	25.2	16.9	23.8	20.2	5102		228	308	7.4	1.401	0.0601	51.8				83.2%	16.8%		38.6%	55.8%		5.6%	85.0%	93.7%	0.0%
Truck SUV	L8	2016	600	0.127	25.9	17.5	23.8	20.6	5145		227	325	7.2	1.536	0.0627	53.2			0.1%	88.2%	11.8%		59.7%	36.5%		3.9%	81.6%	95.8%	0.0%
Truck SUV	L8	2017	-	0.166	26.7	18.1	24.4	21.2	5001		219	315	7.2	1.518	0.0627	53.2			5.7%	81.9%	12.4%		41.3%	56.9%		1.9%	87.6%	98.2%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	L9	1975																											
Truck SUV	L9	1976																											
Truck SUV	L9	1977																											
Truck SUV	L9	1978																											
Truck SUV	L9	1979																											
Truck SUV	L9	1980																											
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Truck SUV	L9	2010																											
Truck SUV	L9	2011																											
Truck SUV	L9	2012																											
Truck SUV	L9	2013																											
Truck SUV	L9	2014	111	0.030	28.8	19.3	26.5	22.8	4130		174	240	7.6	1.379	0.0579	47.2				100.0%			6.2%	93.8%			100.0%	100.0%	
Truck SUV	L9	2015	211	0.045	30.2	20.2	27.4	23.7	3995		167	229	7.7	1.381	0.0572	47.4				100.0%			9.1%	90.9%			100.0%	100.0%	
Truck SUV	L9	2016	407	0.086	29.9	19.8	27.0	23.3	4139		176	244	7.5	1.399	0.0585	48.2			7.9%	92.1%			45.3%	54.7%		0.0%	100.0%	100.0%	
Truck SUV	L9	2017	-	0.109	29.7	19.8	26.8	23.2	4155		171	238	7.7	1.390	0.0569	48.0			4.9%	95.1%			30.6%	69.4%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	M3	1975																											
Truck SUV	M3	1976																											
Truck SUV	M3	1977																											
Truck SUV	M3	1978																											
Truck SUV	M3	1979	81	0.211	16.7	13.9	14.5	14.2	3255		275	120	13.6	0.437	0.0371	23.0				100.0%		100.0%								
Truck SUV	M3	1980	20	0.106	15.6	12.5	14.1	13.2	4781		310	140	15.5	0.451	0.0291	31.7				84.2%	15.8%	98.3%				1.7%			
Truck SUV	M3	1981	9	0.066	16.5	13.4	14.9	14.0	4693		304	131	15.9	0.430	0.0278	33.1				96.7%	3.3%	100.0%							
Truck SUV	M3	1982	9	0.063	16.3	13.1	14.9	13.9	4657		307	136	16.5	0.442	0.0290	32.4				100.0%		100.0%							
Truck SUV	M3	1983	8	0.032	17.5	14.0	16.0	14.8	4705		308	137	15.1	0.447	0.0291	35.2				100.0%		100.0%							
Truck SUV	M3	1984	4	0.006	15.6	12.2	15.0	13.3	5066		311	161	14.0	0.518	0.0317	33.8				100.0%		100.0%							
Truck SUV	M3	1985	12	0.019	16.9	13.6	15.5	14.4	4794		306	150	14.1	0.489	0.0313	34.8				100.0%		85.8%		14.2%					
Truck SUV	M3	1986	10	0.013	16.7	13.3	15.4	14.2	4884		307	146	13.9	0.474	0.0298	34.8				100.0%		66.1%		33.9%					
Truck SUV	M3	1987	7	0.008	16.4	13.0	14.9	13.8	5047		314	165	13.3	0.522	0.0326	35.1				100.0%		10.0%		51.0%	39.0%				
Truck SUV	M3	1988	3	0.004	15.6	12.2	14.4	13.1	5098		340	192	12.2	0.563	0.0377	33.6				100.0%		3.9%		12.3%	83.8%				
Truck SUV	M3	1989	3	0.004	15.8	12.3	14.5	13.3	5111		326	174	12.6	0.531	0.0340	34.1				100.0%				40.7%	59.3%				
Truck SUV	M3	1990	1	0.002	14.9	11.4	14.0	12.5	5204		343	199	10.8	0.578	0.0383	32.6				100.0%					100.0%				
Truck SUV	M3	1991	1	0.001	15.0	11.6	13.6	12.5	5000		348	207	10.4	0.593	0.0414	31.3				100.0%					100.0%				
Truck SUV	M3	1992	19	0.025	21.2	16.0	19.7	17.6	3500		242	190	9.0	0.785	0.0543	30.8				100.0%				100.0%					
Truck SUV	M3	1993																											
Truck SUV	M3	1994																											
Truck SUV	M3	1995																											
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Truck SUV	M3	2014																											
Truck SUV	M3	2015																											
Truck SUV	M3	2016																											
Truck SUV	M3	2017																											

					Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Transmission Type	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	M4	1975																											
Truck SUV	M4	1976																											
Truck SUV	M4	1977																											
Truck SUV	M4	1978																											
Truck SUV	M4	1979	46	0.120	12.3	10.0	11.0	10.4	4966		328	156	14.1	0.478	0.0311	26.1				60.2%	39.8%	98.4%				1.6%			
Truck SUV	M4	1980	61	0.330	19.1	15.4	17.2	16.2	3184		222	95	16.1	0.462	0.0299	26.1				100.0%	0.0%	93.4%				6.6%			
Truck SUV	M4	1981	47	0.344	20.1	16.0	18.7	17.1	3293		235	106	15.0	0.467	0.0323	28.3				100.0%		100.0%							
Truck SUV	M4	1982	28	0.186	19.3	15.3	18.0	16.5	3648		247	107	17.0	0.469	0.0298	30.3				100.0%		91.7%				8.3%			
Truck SUV	M4	1983	44	0.173	20.5	16.2	19.2	17.4	3397		215	106	15.3	0.531	0.0314	29.8				100.0%		100.0%							
Truck SUV	M4	1984	79	0.139	20.4	16.2	19.0	17.4	3613		207	105	15.7	0.551	0.0293	31.7				100.0%		100.0%							
Truck SUV	M4	1985	51	0.079	21.7	17.2	20.3	18.5	3540		157	94	17.0	0.629	0.0263	33.1				100.0%		94.4%			5.6%				
Truck SUV	M4	1986	23	0.032	21.1	16.7	19.4	17.9	3655		206	115	13.8	0.596	0.0317	33.2				100.0%		55.4%			44.6%				
Truck SUV	M4	1987	15	0.019	19.0	14.9	17.6	16.1	3985		202	122	14.1	0.634	0.0308	33.5				100.0%		32.6%		8.1%	59.3%				
Truck SUV	M4	1988	1	0.001	26.6	20.9	24.3	22.4	3500		150	117	13.9	0.780	0.0334	39.2				100.0%					100.0%				
Truck SUV	M4	1989																											
Truck SUV	M4	1990																											
Truck SUV	M4	1991																											
Truck SUV	M4	1992	11	0.014	21.6	16.2	20.3	18.0	3500		242	190	8.8	0.785	0.0543	31.5				100.0%				100.0%					
Truck SUV	M4	1993																											
Truck SUV	M4	1994																											
Truck SUV	M4	1995																											
Truck SUV	M4	1996																											
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Truck SUV	M4	2013																											
Truck SUV	M4	2014																											
Truck SUV	M4	2015																											
Truck SUV	M4	2016																											
Truck SUV	M4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	M5	1975																											
Truck SUV	M5	1976																											
Truck SUV	M5	1977																											
Truck SUV	M5	1978																											
Truck SUV	M5	1979																											
Truck SUV	M5	1980																											
Truck SUV	M5	1981																											
Truck SUV	M5	1982	11	0.070	20.2	15.7	19.6	17.2	3063		244	105	14.8	0.437	0.0344	26.5				100.0%		100.0%							
Truck SUV	M5	1983	34	0.133	21.4	16.5	20.9	18.2	3495		206	110	14.3	0.555	0.0320	32.2				100.0%		100.0%							
Truck SUV	M5	1984	90	0.157	22.4	17.3	21.9	19.1	3467		181	105	14.7	0.596	0.0306	33.1				100.0%		100.0%							
Truck SUV	M5	1985	128	0.198	22.2	17.0	22.0	18.9	3573		169	106	14.7	0.636	0.0298	34.0				100.0%		85.5%		12.6%	1.3%	0.7%			
Truck SUV	M5	1986	246	0.344	24.1	18.9	22.6	20.4	3408		150	107	14.1	0.725	0.0312	34.9				100.0%		56.1%		28.0%	13.8%	2.1%			
Truck SUV	M5	1987	287	0.369	24.1	18.8	22.5	20.4	3268		157	110	13.8	0.728	0.0334	33.3				100.0%		48.4%		32.6%	18.9%	0.1%			
Truck SUV	M5	1988	292	0.340	23.8	18.5	22.1	20.0	3299		157	113	13.9	0.741	0.0337	32.9				100.0%		40.0%		47.9%	12.1%				
Truck SUV	M5	1989	209	0.256	22.1	17.0	20.6	18.5	3603		178	125	12.8	0.726	0.0347	33.5				99.1%	0.9%	16.2%		48.1%	35.7%				
Truck SUV	M5	1990	186	0.289	22.2	17.1	20.4	18.6	3506		171	123	12.0	0.750	0.0350	32.6				99.6%	0.4%	10.4%		53.3%	36.3%				
Truck SUV	M5	1991	190	0.218	21.5	16.5	19.7	17.9	3802		188	143	11.5	0.774	0.0374	34.1				99.1%	0.9%			75.0%	25.0%				
Truck SUV	M5	1992	136	0.179	21.6	16.4	19.8	17.9	3806		179	137	11.5	0.783	0.0361	34.1				98.0%	2.0%			70.4%	29.6%				
Truck SUV	M5	1993	160	0.191	21.7	16.5	19.8	18.0	3703		191	153	9.9	0.818	0.0416	33.3				98.3%	1.7%			90.5%	9.5%				
Truck SUV	M5	1994	197	0.152	21.4	16.2	19.2	17.6	3679		183	150	10.1	0.826	0.0407	32.4				100.0%				84.4%	15.6%		24.0%		
Truck SUV	M5	1995	239	0.150	21.5	16.3	19.1	17.6	3560		173	144	10.3	0.846	0.0407	31.4				91.9%	8.1%			95.8%	4.2%		22.8%		
Truck SUV	M5	1996	97	0.061	22.9	17.0	20.6	18.7	3691		182	153	10.5	0.876	0.0413	34.5				85.8%	14.2%			100.0%			52.9%		
Truck SUV	M5	1997	202	0.097	21.9	16.3	19.5	17.8	3654		188	156	10.2	0.840	0.0425	32.6				93.1%	6.9%			100.0%			39.3%		
Truck SUV	M5	1998	160	0.075	22.5	16.7	19.9	18.3	3605		180	157	10.5	0.897	0.0435	33.2				97.9%	2.1%			100.0%			45.7%		
Truck SUV	M5	1999	138	0.059	22.7	16.6	20.1	18.3	3698		179	157	10.5	0.916	0.0424	34.1				98.0%	2.0%			100.0%			43.8%		
Truck SUV	M5	2000	124	0.049	22.3	16.3	19.6	17.9	3796		184	159	10.1	0.897	0.0417	34.2				98.6%	1.4%			100.0%			37.1%		
Truck SUV	M5	2001	102	0.038	22.9	16.6	20.2	18.4	3806		179	165	9.7	0.959	0.0431	35.2				98.1%	1.9%			100.0%			49.6%	11.7%	
Truck SUV	M5	2002	115	0.032	21.8	15.6	19.5	17.5	4006		192	173	9.7	0.933	0.0432	35.2				95.8%	4.2%			100.0%			55.5%	14.3%	
Truck SUV	M5	2003	80	0.022	22.5	16.0	19.9	18.0	3797		190	174	9.3	0.956	0.0459	34.6			5.0%	94.6%	0.4%			100.0%			47.5%	25.4%	
Truck SUV	M5	2004	85	0.021	22.1	15.6	19.6	17.6	3856		198	179	9.2	0.938	0.0465	34.3			2.2%	94.6%	3.2%			100.0%			47.0%	21.6%	
Truck SUV	M5	2005	30	0.009	26.0	18.0	23.1	20.6	3728		157	169	9.4	1.087	0.0455	38.5			5.9%	83.4%	10.7%			100.0%			99.8%	45.4%	
Truck SUV	M5	2006	26	0.009	25.1	17.3	22.4	19.9	3906		164	175	9.5	1.084	0.0451	38.9			6.3%	84.8%	8.9%			100.0%			100.0%	51.6%	
Truck SUV	M5	2007	22	0.007	27.5	19.0	24.3	21.7	3749		151	177	9.3	1.175	0.0476	40.8			23.7%	73.8%	2.5%			100.0%			92.2%	64.4%	
Truck SUV	M5	2008	15	0.005	28.8	19.8	25.3	22.6	3670		150	171	9.4	1.148	0.0468	41.8			32.6%	65.9%	1.5%			100.0%			94.7%	72.4%	
Truck SUV	M5	2009	14	0.008	29.3	20.0	26.0	23.0	3558		148	177	9.0	1.198	0.0499	41.0			16.3%	82.0%	1.8%		0.6%	99.4%			100.0%	31.7%	
Truck SUV	M5	2010	14	0.006	29.9	20.4	26.6	23.5	3511		149	170	9.2	1.138	0.0483	41.4			16.5%	82.4%	1.2%			100.0%			100.0%	100.0%	
Truck SUV	M5	2011	10	0.003	31.3	21.5	26.7	24.2	3500		146	169	9.2	1.159	0.0482	42.4			25.2%	72.9%	1.9%			100.0%			100.0%	100.0%	
Truck SUV	M5	2012	6	0.002	31.1	21.3	26.8	24.1	3500		151	171	9.2	1.134	0.0488	42.2				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M5	2013	9	0.003	32.1	21.9	27.7	24.9	3500		139	161	9.6	1.165	0.0459	43.6				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M5	2014	7	0.002	33.5	22.9	28.6	25.8	3500		130	156	9.8	1.200	0.0446	45.2				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M5	2015	6	0.001	33.7	22.7	29.3	26.0	3500		127	153	10.0	1.205	0.0437	45.6				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M5	2016	7	0.002	33.7	22.7	29.3	26.1	3500		127	152	10.0	1.206	0.0436	45.7				100.0%			18.6%	81.4%			100.0%	100.0%	
Truck SUV	M5	2017	-	0.001	34.0	22.8	29.8	26.3	3500		124	150	10.1	1.210	0.0428	46.1				100.0%				100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	M6	1975																											
Truck SUV	M6	1976																											
Truck SUV	M6	1977																											
Truck SUV	M6	1978																											
Truck SUV	M6	1979																											
Truck SUV	M6	1980																											
Truck SUV	M6	1981																											
Truck SUV	M6	1982																											
Truck SUV	M6	1983																											
Truck SUV	M6	1984																											
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Truck SUV	M6	2000																											
Truck SUV	M6	2001																											
Truck SUV	M6	2002																											
Truck SUV	M6	2003																											
Truck SUV	M6	2004	6	0.001	22.3	14.8	22.0	18.2	4253		177.3	219	8.3	1.232	0.0518	38.5				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M6	2005	44	0.013	19.9	13.9	17.8	15.9	3752		229.4	192	8.3	0.849	0.0513	30.1				100.0%				100.0%			19.2%	9.1%	
Truck SUV	M6	2006	45	0.015	19.3	13.6	17.2	15.4	3986		228.9	193	8.6	0.852	0.0481	30.9				100.0%				100.0%			21.8%	9.7%	
Truck SUV	M6	2007	47	0.014	20.5	14.5	18.0	16.3	4294		233.8	209	8.6	0.894	0.0487	35.0				98.2%	1.8%			100.0%			33.1%	33.1%	
Truck SUV	M6	2008	38	0.012	21.4	15.0	18.8	17.0	4261		231.4	201	8.8	0.870	0.0472	36.2				95.5%	4.5%		0.7%	99.3%			12.8%	12.8%	
Truck SUV	M6	2009	6	0.004	21.5	15.1	19.0	17.1	4492		225.2	203	8.9	0.924	0.0451	38.5			6.9%	93.1%			10.6%	89.4%			19.5%	19.5%	
Truck SUV	M6	2010	28	0.012	22.1	15.1	20.4	17.7	4104		219.6	200	8.6	0.927	0.0489	36.6			1.4%	98.6%			1.4%	98.6%			23.7%	23.7%	
Truck SUV	M6	2011	26	0.009	22.5	15.4	20.9	18.1	4097		218.2	200	8.6	0.931	0.0488	37.2			1.1%	98.9%			1.5%	98.5%			25.9%	25.9%	
Truck SUV	M6	2012	39	0.014	23.8	16.4	21.4	18.9	4153		215.1	272	7.2	1.263	0.0655	39.2				100.0%			0.4%	99.6%			100.0%	100.0%	
Truck SUV	M6	2013	31	0.009	24.1	16.7	21.7	19.2	4134		212.1	268	7.3	1.259	0.0647	39.7				100.0%			0.4%	99.6%			100.0%	100.0%	
Truck SUV	M6	2014	37	0.010	24.8	17.1	22.2	19.7	4119		206.3	252	7.6	1.215	0.0607	40.7				100.0%			0.2%	99.8%			100.0%	100.0%	
Truck SUV	M6	2015	42	0.009	25.1	17.3	22.5	19.9	4100		200.7	254	7.5	1.285	0.0614	41.1				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M6	2016	35	0.007	25.1	17.3	22.5	19.9	4129		196.9	256	7.6	1.321	0.0614	41.4				100.0%				100.0%			100.0%	100.0%	
Truck SUV	M6	2017	-	0.009	26.8	18.2	24.0	21.1	3951		183.1	235	7.8	1.302	0.0587	42.2				100.0%				100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	OT	1975																											
Truck SUV	OT	1976																											
Truck SUV	OT	1977																											
Truck SUV	OT	1978																											
Truck SUV	OT	1979																											
Truck SUV	OT	1980																											
Truck SUV	OT	1981																											
Truck SUV	OT	1982																											
Truck SUV	OT	1983	1	0.004	13.7	10.6	13.3	11.6	5000		318	160	14.4	0.503	0.0320	29.1				100.0%		100.0%							
Truck SUV	OT	1984																											
Truck SUV	OT	1985																											
Truck SUV	OT	1986																											
Truck SUV	OT	1987																											
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Truck SUV	OT	2011																											
Truck SUV	OT	2012																											
Truck SUV	OT	2013																											
Truck SUV	OT	2014																											
Truck SUV	OT	2015	1	0.000	37.5	27.0	26.1	26.5	6000		183.1	416	5.2	2.272	0.0693	79.4				100.0%			100.0%				100.0%	100.0%	100.0%
Truck SUV	OT	2016	10	0.002	54.3	38.9	41.9	40.6	5510		135.7	277	6.2	2.072	0.0503	111.9				100.0%			100.0%				100.0%	100.0%	100.0%
Truck SUV	OT	2017	-	0.001	41.8	29.7	28.6	29.0	5533		132.8	310	7.3	2.389	0.0560	80.5				100.0%			100.0%				100.0%	100.0%	100.0%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	A3	1975																											
Pickup	A3	1976																											
Pickup	A3	1977																											
Pickup	A3	1978																											
Pickup	A3	1979	1297	0.588	14.0	11.6	12.3	11.9	4448		331.4	149	14.8	0.456	0.0336	27.1				7.5%	92.5%	95.8%					4.2%			
Pickup	A3	1980	277	0.193	17.3	14.0	15.5	14.7	3944		278.4	129	15.6	0.492	0.0327	29.1			0.6%	15.9%	83.5%	99.4%			0.6%				
Pickup	A3	1981	207	0.144	17.6	14.2	16.0	15.0	3968		287.6	125	15.8	0.455	0.0315	29.9				10.5%	89.5%	100.0%								
Pickup	A3	1982	196	0.136	17.1	13.9	15.3	14.5	3987		291.8	129	16.4	0.459	0.0325	29.3			3.7%	14.1%	82.2%	100.0%								
Pickup	A3	1983	240	0.147	17.9	14.4	16.3	15.2	3705		247.7	116	15.9	0.502	0.0313	28.7			5.7%	18.6%	75.7%	99.8%			0.1%	0.1%				
Pickup	A3	1984	297	0.146	17.1	13.8	15.6	14.6	3855		268.7	130	15.2	0.501	0.0334	28.4			1.2%	30.9%	67.9%	99.5%				0.5%				
Pickup	A3	1985	268	0.129	16.5	13.4	14.9	14.0	4106		306.2	154	13.6	0.507	0.0372	29.1				22.4%	77.6%	97.5%		2.3%		0.2%				
Pickup	A3	1986	237	0.093	17.7	14.3	15.9	14.9	4023		288.1	145	13.4	0.516	0.0358	30.4				19.7%	80.3%	91.0%		8.9%		0.1%				
Pickup	A3	1987	200	0.093	16.7	13.4	15.1	14.1	4318		303.1	157	13.2	0.522	0.0363	30.7				25.5%	74.5%	34.0%		44.4%	21.6%					
Pickup	A3	1988	199	0.081	16.8	13.3	15.2	14.1	4441		308.8	168	12.9	0.546	0.0380	31.6				31.0%	69.0%	2.0%		44.5%	53.5%					
Pickup	A3	1989	101	0.045	16.0	12.7	14.4	13.4	4501		318.6	170	12.5	0.533	0.0378	30.5				37.7%	62.3%			56.4%	43.6%					
Pickup	A3	1990	47	0.026	16.4	13.0	14.6	13.7	4323		328.3	183	11.0	0.566	0.0422	30.9				12.2%	87.8%			2.5%	97.5%					
Pickup	A3	1991																											
Pickup	A3	1992																											
Pickup	A3	1993																											
Pickup	A3	1994																											
Pickup	A3	1995																											
Pickup	A3	1996																											
Pickup	A3	1997																											
Pickup	A3	1998																											
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Pickup	A3	2011																											
Pickup	A3	2012																											
Pickup	A3	2013																											
Pickup	A3	2014																											
Pickup	A3	2015																											
Pickup	A3	2016																											
Pickup	A3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	A4	1975																											
Pickup	A4	1976																											
Pickup	A4	1977																											
Pickup	A4	1978																											
Pickup	A4	1979																											
Pickup	A4	1980																											
Pickup	A4	1981	6	0.004	26.5	21.5	23.9	22.5	2750		144	98	15.2	0.681	0.0356	30.9					100.0%	100.0%							
Pickup	A4	1982	42	0.029	19.6	15.2	19.2	16.7	3715		261.9	131	15.3	0.525	0.0353	31.0					100.0%	100.0%							
Pickup	A4	1983	9	0.006	26.6	22.0	23.1	22.5	2788		144	99	14.9	0.685	0.0354	31.4					100.0%	100.0%							
Pickup	A4	1984	27	0.013	24.6	20.6	21.0	20.8	2809		144	100	14.8	0.694	0.0356	29.3					100.0%	82.9%		17.1%					
Pickup	A4	1985	38	0.018	25.1	21.0	21.6	21.3	3019		144	107	14.5	0.741	0.0354	32.3					100.0%	71.6%		28.4%					
Pickup	A4	1986	47	0.019	23.4	19.6	19.8	19.7	3134		144	107	14.1	0.745	0.0346	31.2					100.0%	66.5%		33.5%					
Pickup	A4	1987	72	0.034	26.1	21.1	23.0	22.0	3040		141.7	103	14.6	0.725	0.0340	33.7				5.3%	94.7%	90.3%		9.7%					
Pickup	A4	1988	53	0.022	24.7	20.1	21.3	20.6	3112		141.9	109	14.4	0.765	0.0351	32.5				7.2%	92.8%	45.7%		54.3%					
Pickup	A4	1989	35	0.016	27.1	21.5	23.9	22.6	3024		141.1	109	13.7	0.773	0.0361	34.3				4.9%	95.1%	38.1%		61.9%					
Pickup	A4	1990	32	0.018	17.8	13.8	16.2	14.9	4047		259.1	153	11.7	0.635	0.0379	30.9				37.1%	62.9%			37.7%	62.3%				
Pickup	A4	1991	27	0.014	20.0	15.7	17.8	16.6	3683		213.2	135	12.3	0.684	0.0369	31.2				28.4%	71.6%			61.7%	38.3%				
Pickup	A4	1992	16	0.009	24.8	19.5	21.5	20.4	3105		156.1	118	12.2	0.767	0.0377	32.0				3.9%	96.1%			96.0%	4.0%				
Pickup	A4	1993	16	0.008	26.3	20.2	23.2	21.6	3000		144	112	11.5	0.778	0.0373	32.4					100.0%			100.0%					
Pickup	A4	1994	25	0.010	26.3	20.0	23.1	21.5	3000		144	112	11.4	0.778	0.0373	32.3					100.0%			100.0%					
Pickup	A4	1995	20	0.009	26.3	20.0	22.9	21.4	3000		147.4	132	10.5	0.897	0.0442	32.1					100.0%			100.0%		68.2%			
Pickup	A4	1996	27	0.014	25.9	19.5	22.7	21.0	3000		149	142	10.4	0.953	0.0473	31.5					100.0%			100.0%		100.0%			
Pickup	A4	1997																											
Pickup	A4	1998	37	0.015	26.5	19.7	22.9	21.3	3000		149	142	10.7	0.953	0.0473	32.0					100.0%			100.0%		100.0%			
Pickup	A4	1999	24	0.009	26.5	19.6	22.8	21.2	3000		149	142	10.7	0.953	0.0473	31.8					100.0%			100.0%		100.0%			
Pickup	A4	2000	21	0.008	26.2	19.4	22.4	20.9	3000		149	142	10.2	0.953	0.0473	31.3					100.0%			100.0%		100.0%			
Pickup	A4	2001	21	0.008	26.0	19.2	22.0	20.6	3214		149	142	10.4	0.953	0.0444	33.1					100.0%			100.0%		100.0%			
Pickup	A4	2002	21	0.009	27.0	19.5	23.1	21.3	3238		149	142	10.6	0.953	0.0441	34.5					100.0%			100.0%		100.0%			
Pickup	A4	2003	22	0.009	27.0	19.3	23.0	21.2	3234		149	142	10.6	0.953	0.0442	34.3					100.0%			100.0%		100.0%			
Pickup	A4	2004	24	0.009	27.0	19.2	22.9	21.1	3216		149	142	10.5	0.953	0.0444	34.0					100.0%			100.0%		100.0%			
Pickup	A4	2005																											
Pickup	A4	2006																											
Pickup	A4	2007																											
Pickup	A4	2008																											
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Pickup	A4	2011																											
Pickup	A4	2012																											
Pickup	A4	2013																											
Pickup	A4	2014																											
Pickup	A4	2015																											
Pickup	A4	2016																											
Pickup	A4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	CVT	1975																											
Pickup	CVT	1976																											
Pickup	CVT	1977																											
Pickup	CVT	1978																											
Pickup	CVT	1979																											
Pickup	CVT	1980																											
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Pickup	CVT	2004																											
Pickup	CVT	2005																											
Pickup	CVT	2006																											
Pickup	CVT	2007																											
Pickup	CVT	2008																											
Pickup	CVT	2009	2	0.002	28.3	21.1	21.8	21.5	6000		364	332	8.2	0.912	0.0553	64.6				56.2%	43.8%			100.0%				100.0%	100.0%
Pickup	CVT	2010	1	0.001	27.1	20.3	21.0	20.7	6000		366	332	6.5	0.907	0.0553	62.1				37.4%	62.6%			100.0%				100.0%	100.0%
Pickup	CVT	2011	1	0.001	28.1	19.7	22.8	21.4	6000		366	332	8.5	0.907	0.0553	64.1				61.5%	38.5%			100.0%				100.0%	100.0%
Pickup	CVT	2012	1	0.001	28.2	25.5	32.5	29.1	6000		366.1	332	9.2	0.907	0.0553	87.2				57.1%	42.9%			100.0%				100.0%	100.0%
Pickup	CVT	2013	1	0.000	28.5	19.8	22.9	21.4	6000		366.1	332	8.9	0.907	0.0553	64.2				65.2%	34.8%			100.0%				100.0%	100.0%
Pickup	CVT	2014																											
Pickup	CVT	2015																											
Pickup	CVT	2016																											
Pickup	CVT	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L10	1975																											
Pickup	L10	1976																											
Pickup	L10	1977																											
Pickup	L10	1978																											
Pickup	L10	1979																											
Pickup	L10	1980																											
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Pickup	L10	2011																											
Pickup	L10	2012																											
Pickup	L10	2013																											
Pickup	L10	2014																											
Pickup	L10	2015																											
Pickup	L10	2016																											
Pickup	L10	2017	-	0.072	25.3	17.3	22.7	20.0	5085		213.6	380	5.8	1.781	0.0748	50.9				84.8%	15.2%		100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L3	1975																											
Pickup	L3	1976																											
Pickup	L3	1977																											
Pickup	L3	1978																											
Pickup	L3	1979	29	0.013	16.2	13.1	14.6	13.7	4000		290.6	132	15.1	0.454	0.0330	27.5					100.0%	100.0%							
Pickup	L3	1980	315	0.219	17.0	13.6	15.7	14.5	4469		313.2	142	15.4	0.458	0.0320	33.0				17.8%	82.2%	84.8%					15.2%			
Pickup	L3	1981	343	0.238	18.3	14.6	17.0	15.6	4221		289.7	139	15.1	0.483	0.0331	33.1				10.4%	89.6%	93.8%					6.2%			
Pickup	L3	1982	275	0.191	20.1	15.9	18.9	17.1	3768		244.8	130	16.2	0.546	0.0346	32.2				5.9%	94.1%	100.0%								
Pickup	L3	1983	119	0.073	19.0	15.0	17.8	16.1	4100		277.1	139	14.8	0.503	0.0338	33.1				3.0%	97.0%	99.2%			0.2%	0.6%				
Pickup	L3	1984	193	0.095	18.5	14.7	17.2	15.7	4164		275.8	137	14.9	0.502	0.0328	32.8				1.1%	98.9%	99.8%		0.1%		0.1%				
Pickup	L3	1985	234	0.113	17.8	14.2	16.3	15.1	4204		279.3	147	14.0	0.536	0.0350	31.8				0.1%	99.9%	97.5%			2.5%					
Pickup	L3	1986	206	0.081	18.0	14.4	16.4	15.3	4155		279	146	13.4	0.535	0.0350	31.7				3.8%	96.2%	96.7%			3.3%					
Pickup	L3	1987	134	0.063	20.0	15.7	18.5	16.9	3751		251.1	125	14.4	0.502	0.0334	31.8				21.6%	78.4%	95.1%			4.9%					
Pickup	L3	1988	99	0.040	19.5	15.2	18.1	16.4	3826		246.6	123	14.9	0.512	0.0322	31.4				13.1%	86.9%	0.0%			100.0%					
Pickup	L3	1989	40	0.018	19.4	15.3	17.5	16.3	3835		230.5	118	15.1	0.533	0.0304	31.3					100.0%				100.0%					
Pickup	L3	1990	24	0.013	18.7	14.8	16.6	15.6	3919		242.1	132	13.3	0.556	0.0334	30.7					100.0%				100.0%					
Pickup	L3	1991	13	0.007	17.0	13.1	15.6	14.2	4273		294.4	157	12.2	0.531	0.0366	30.4					100.0%				100.0%					
Pickup	L3	1992	5	0.003	18.1	14.1	16.1	15.0	4043		239	127	13.3	0.531	0.0314	30.3					100.0%			100.0%						
Pickup	L3	1993	4	0.002	18.5	14.4	16.4	15.3	4039		239	127	12.4	0.531	0.0315	30.9					100.0%			100.0%						
Pickup	L3	1994																											
Pickup	L3	1995																											
Pickup	L3	1996																											
Pickup	L3	1997																											
Pickup	L3	1998																											
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Pickup	L3	2012																											
Pickup	L3	2013																											
Pickup	L3	2014																											
Pickup	L3	2015																											
Pickup	L3	2016																											
Pickup	L3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L4	1975																											
Pickup	L4	1976																											
Pickup	L4	1977																											
Pickup	L4	1978																											
Pickup	L4	1979																											
Pickup	L4	1980																											
Pickup	L4	1981	53	0.037	18.0	13.8	18.0	15.4	4030		302	142	14.0	0.470	0.0353	31.0					100.0%	100.0%							
Pickup	L4	1982	150	0.104	20.2	15.8	19.2	17.2	4713		324.1	149	15.9	0.465	0.0321	41.0				19.3%	80.7%	58.0%					42.0%			
Pickup	L4	1983	337	0.207	20.2	15.6	19.5	17.2	4134		273.8	138	14.4	0.524	0.0336	35.8				20.1%	79.9%	91.7%					8.3%			
Pickup	L4	1984	405	0.198	19.8	15.3	19.4	16.9	4115		268.5	135	14.5	0.521	0.0328	34.9				23.3%	76.7%	95.0%					5.0%			
Pickup	L4	1985	465	0.224	20.5	15.7	20.2	17.5	3914		243.9	131	14.3	0.558	0.0336	34.2				29.6%	70.4%	72.8%		20.0%	4.9%	2.3%				
Pickup	L4	1986	564	0.223	20.2	15.6	19.6	17.2	3966		248.4	140	13.2	0.593	0.0355	34.1				31.8%	68.2%	30.1%		46.6%	22.2%	1.1%				
Pickup	L4	1987	485	0.226	20.5	15.6	20.1	17.4	3855		240.3	149	12.9	0.645	0.0384	33.5			0.1%	28.0%	71.9%	5.2%		28.5%	65.7%	0.5%				
Pickup	L4	1988	855	0.348	19.6	14.8	19.1	16.6	4092		278.8	164	12.5	0.606	0.0400	33.9			0.0%	31.9%	68.1%	1.2%		26.6%	71.8%	0.5%				
Pickup	L4	1989	886	0.397	19.4	14.7	18.7	16.4	4108		284.4	167	11.9	0.599	0.0406	33.6				30.2%	69.8%	1.5%		24.9%	73.3%	0.4%				
Pickup	L4	1990	890	0.485	19.1	14.3	18.5	16.0	4266		290.4	170	11.2	0.601	0.0400	34.2				29.7%	70.3%	1.0%		44.8%	53.9%	0.3%				
Pickup	L4	1991	877	0.457	19.6	14.6	18.9	16.4	4139		282	167	11.3	0.607	0.0405	34.1				27.6%	72.4%	0.7%		38.5%	60.5%	0.3%				
Pickup	L4	1992	954	0.518	19.1	14.1	18.5	16.0	4307		288.2	168	11.2	0.594	0.0392	34.4				28.5%	71.5%	0.4%		52.5%	46.9%	0.2%				
Pickup	L4	1993	1103	0.551	19.3	14.2	18.6	16.1	4337		287.2	176	10.2	0.622	0.0406	35.1			0.0%	29.8%	70.2%	0.3%		51.6%	48.1%					
Pickup	L4	1994	1575	0.590	19.3	14.1	18.5	16.0	4342		289.6	184	9.9	0.648	0.0424	34.9				32.5%	67.5%			56.6%	43.4%		1.2%			
Pickup	L4	1995	1350	0.595	18.7	13.6	17.8	15.5	4458		296.4	186	10.2	0.642	0.0417	34.6				39.8%	60.2%			59.5%	40.5%		3.0%			
Pickup	L4	1996	1251	0.640	19.2	13.9	18.3	15.9	4459		288.1	199	10.3	0.702	0.0444	35.5				34.1%	65.9%			99.7%		0.3%	5.3%			
Pickup	L4	1997	1748	0.726	19.3	13.8	18.4	15.9	4649		290.8	213	10.0	0.740	0.0457	37.0				39.8%	60.2%			99.9%		0.1%	2.8%			
Pickup	L4	1998	1660	0.687	19.4	13.8	18.5	16.0	4534		281.6	208	10.4	0.749	0.0456	36.2				38.5%	61.5%			99.9%		0.1%	4.1%			
Pickup	L4	1999	2008	0.789	19.2	13.7	18.0	15.7	4675		286.3	218	10.2	0.768	0.0464	36.6				48.6%	51.4%			100.0%		0.0%	4.0%			
Pickup	L4	2000	2096	0.803	19.9	14.2	18.5	16.2	4472		269.6	214	9.7	0.798	0.0473	36.2				40.7%	59.3%			100.0%			10.2%			
Pickup	L4	2001	1982	0.787	19.0	13.5	17.7	15.5	4741		287.4	229	9.3	0.803	0.0481	36.7				41.3%	58.7%			100.0%			10.0%			
Pickup	L4	2002	1902	0.799	18.9	13.4	17.4	15.3	4887		288.4	240	9.3	0.834	0.0490	37.4				44.4%	55.6%			100.0%			14.5%			
Pickup	L4	2003	1674	0.677	19.6	13.8	17.9	15.8	4750		277.2	234	9.4	0.845	0.0488	37.5				42.1%	57.9%			100.0%			13.4%			
Pickup	L4	2004	1771	0.707	19.5	13.7	17.7	15.7	5083		291.2	256	9.1	0.880	0.0503	39.8				48.7%	51.3%			100.0%			38.6%	26.2%	0.0%	
Pickup	L4	2005	1398	0.608	19.7	13.6	18.1	15.8	5167		293.1	264	9.0	0.905	0.0512	40.8				48.6%	51.4%			100.0%			36.1%	35.6%	0.1%	
Pickup	L4	2006	1299	0.594	19.8	13.7	18.1	15.9	5159		291	261	9.1	0.901	0.0506	40.9				45.5%	54.5%			100.0%			36.9%	36.5%	0.2%	
Pickup	L4	2007	1298	0.614	19.9	13.7	18.4	16.0	5286		295.8	269	9.1	0.909	0.0507	42.4				44.2%	55.8%			100.0%			24.0%	31.7%	0.0%	
Pickup	L4	2008	1056	0.589	20.4	13.9	18.9	16.4	5299		294.1	268	9.2	0.910	0.0504	43.4				47.0%	53.0%			100.0%			23.4%	28.0%		
Pickup	L4	2009	343	0.347	21.2	14.6	19.4	17.0	5119		281.4	261	9.0	0.929	0.0508	43.4				41.5%	58.5%			100.0%			15.9%	16.0%		
Pickup	L4	2010	210	0.165	21.4	14.7	19.7	17.2	4945		258.6	242	9.4	0.940	0.0489	42.5				30.4%	69.6%			100.0%			22.7%	50.6%		
Pickup	L4	2011	206	0.139	21.5	14.8	19.9	17.3	4868		252	239	9.5	0.950	0.0489	42.1				34.8%	65.2%			100.0%			26.8%	70.6%		
Pickup	L4	2012	184	0.136	22.7	15.6	20.8	18.2	4611		236.4	230	9.5	0.978	0.0498	41.8				34.5%	65.5%			100.0%			50.3%	81.1%		
Pickup	L4	2013	126	0.080	22.6	15.5	20.2	17.9	4714		238.8	223	9.9	0.933	0.0466	42.1				24.9%	75.1%			100.0%			35.9%	74.0%		
Pickup	L4	2014	37	0.019	28.1	19.2	23.4	21.4	3860		164.4	159	10.9	0.967	0.0413	41.3				18.3%	81.7%			100.0%			100.0%	100.0%		
Pickup	L4	2015	38	0.022	27.8	19.0	23.4	21.3	4000		164.4	159	11.1	0.967	0.0398	42.6				15.4%	84.6%			100.0%			100.0%	100.0%		
Pickup	L4	2016																											
Pickup	L4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L5	1975																											
Pickup	L5	1976																											
Pickup	L5	1977																											
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Pickup	L5	1995																											
Pickup	L5	1996																											
Pickup	L5	1997	51	0.021	21.1	15.1	20.0	17.3	3974		244	160	10.7	0.656	0.0403	34.5				42.2%	57.8%			100.0%					
Pickup	L5	1998	58	0.024	21.1	15.2	19.6	17.2	3843		244	160	10.8	0.656	0.0418	33.1				58.9%	41.1%			100.0%					
Pickup	L5	1999	67	0.026	20.5	14.7	18.9	16.7	3949		244	160	10.9	0.656	0.0406	32.9				69.3%	30.7%			100.0%					
Pickup	L5	2000	60	0.023	20.0	14.3	18.4	16.3	3948		244	160	10.5	0.656	0.0406	32.2				71.5%	28.5%			100.0%					
Pickup	L5	2001	213	0.085	21.0	14.9	19.4	17.0	3834		207.2	173	9.9	0.831	0.0449	32.7				36.7%	63.3%			100.0%			4.4%		
Pickup	L5	2002	230	0.097	21.1	14.8	19.4	17.0	3882		204.9	171	10.2	0.835	0.0439	33.1				40.0%	60.0%			100.0%			8.8%		
Pickup	L5	2003	522	0.211	19.4	13.6	17.8	15.7	4695		261.8	218	9.5	0.834	0.0462	36.7				38.3%	61.7%			100.0%			3.9%		
Pickup	L5	2004	537	0.214	18.6	13.0	17.2	15.1	4846		279.9	253	8.9	0.890	0.0514	36.4				44.6%	55.4%			100.0%			2.9%		
Pickup	L5	2005	771	0.335	19.3	13.4	17.7	15.5	4810		279.5	261	8.5	0.934	0.0541	37.3				45.7%	54.3%			100.0%			45.5%	43.3%	
Pickup	L5	2006	754	0.345	20.2	14.0	18.4	16.2	4783		268.2	257	8.6	0.962	0.0536	38.6				48.9%	51.1%			100.0%			66.9%	65.0%	
Pickup	L5	2007	575	0.272	20.2	13.9	18.6	16.2	4835		265	254	8.9	0.963	0.0524	39.1				47.8%	52.2%			100.0%			57.1%	41.3%	
Pickup	L5	2008	521	0.290	20.8	14.4	19.0	16.7	4845		266.8	277	8.6	1.029	0.0563	40.8				46.0%	54.0%			100.0%			58.7%	38.8%	
Pickup	L5	2009	277	0.280	21.2	14.5	19.5	17.0	4835		267.9	269	8.4	1.005	0.0550	40.9				51.6%	48.4%			100.0%			54.5%	53.4%	
Pickup	L5	2010	340	0.266	21.2	14.6	19.6	17.1	4775		266.8	275	8.4	1.026	0.0568	40.5				52.4%	47.6%			100.0%			55.9%	69.6%	
Pickup	L5	2011	405	0.274	21.3	14.7	19.7	17.2	4729		268.3	278	8.4	1.027	0.0577	40.4				56.7%	43.3%			100.0%			51.4%	67.3%	
Pickup	L5	2012	194	0.143	21.9	15.1	19.9	17.5	4650		252.8	257	8.5	1.022	0.0553	40.7				60.4%	39.6%			100.0%			100.0%	100.0%	
Pickup	L5	2013	194	0.123	23.0	15.9	20.8	18.4	4521		240.6	243	8.7	1.014	0.0538	41.5				59.7%	40.3%			100.0%			100.0%	100.0%	
Pickup	L5	2014	184	0.095	22.8	15.7	20.8	18.3	4554		242.3	245	8.7	1.016	0.0538	41.5				58.9%	41.1%			100.0%			100.0%	100.0%	
Pickup	L5	2015	209	0.117	23.1	16.0	20.9	18.5	4449		242	241	8.7	0.996	0.0541	41.1				57.0%	43.0%			100.0%			100.0%	100.0%	
Pickup	L5	2016	95	0.050	23.3	15.8	21.7	18.7	4462		229	243	8.7	1.057	0.0542	41.8				41.9%	58.1%			100.0%			100.0%	100.0%	
Pickup	L5	2017	-	0.026	23.1	15.8	21.5	18.6	4499		229.6	244	8.8	1.058	0.0539	41.8				44.9%	55.1%			100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L6	1975																											
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Pickup	L6	2004																											
Pickup	L6	2005																											
Pickup	L6	2006																											
Pickup	L6	2007	147	0.069	19.2	13.2	17.9	15.5	5752		339.4	372	7.3	1.094	0.0646	44.6				56.4%	43.6%			100.0%			97.9%	86.9%	
Pickup	L6	2008	145	0.081	18.9	13.0	17.6	15.2	5848		345.6	379	7.3	1.096	0.0648	44.6				63.4%	36.6%			100.0%			94.2%	96.4%	
Pickup	L6	2009	327	0.330	20.2	13.7	19.1	16.4	5676		321.6	316	7.9	0.984	0.0558	46.4				59.8%	40.2%			100.0%			53.7%	38.7%	
Pickup	L6	2010	694	0.544	20.5	14.0	19.2	16.5	5738		320.5	315	8.1	0.983	0.0549	47.5				67.5%	32.5%			100.0%			71.7%	61.4%	
Pickup	L6	2011	836	0.566	21.2	14.5	20.0	17.2	5674		299.7	337	7.7	1.153	0.0593	48.8				68.5%	31.5%		13.5%	86.5%			54.0%	100.0%	
Pickup	L6	2012	958	0.706	20.9	14.3	19.7	16.9	5638		304.4	348	7.5	1.173	0.0618	47.9				68.2%	31.8%		14.6%	85.4%			46.9%	96.0%	
Pickup	L6	2013	1195	0.758	21.3	14.5	20.1	17.2	5673		293.8	354	7.4	1.242	0.0625	49.0				67.5%	32.5%		20.2%	79.8%			58.5%	98.1%	
Pickup	L6	2014	1451	0.752	22.3	15.2	20.8	17.9	5628		299	350	7.5	1.193	0.0621	50.7				66.1%	33.9%		59.9%	40.1%			45.0%	100.0%	
Pickup	L6	2015	1265	0.708	23.5	16.0	21.8	18.9	5247		280.2	341	7.3	1.272	0.0652	49.7				69.2%	30.8%		75.6%	24.4%			49.5%	89.0%	
Pickup	L6	2016	1403	0.736	24.0	16.4	22.0	19.1	5078		255.5	326	7.5	1.329	0.0643	48.7				66.4%	33.6%		61.6%	37.4%		0.9%	71.4%	87.9%	
Pickup	L6	2017	-	0.592	24.0	16.3	22.1	19.2	5184		268.8	322	7.6	1.242	0.0621	49.8			1.7%	57.2%	41.1%		59.7%	39.4%		0.9%	57.6%	89.1%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L7	1975																											
Pickup	L7	1976																											
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Pickup	L7	2012																											
Pickup	L7	2013																											
Pickup	L7	2014																											
Pickup	L7	2015																											
Pickup	L7	2016																											
Pickup	L7	2017	-	0.025	22.7	15.4	21.2	18.2	5989		341.7	391	7.0	1.144	0.0653	54.6				48.0%	52.0%		100.0%				100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	L8	1975																											
Pickup	L8	1976																											
Pickup	L8	1977																											
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Pickup	L8	2009																											
Pickup	L8	2010																											
Pickup	L8	2011																											
Pickup	L8	2012																											
Pickup	L8	2013	43	0.027	23.1	15.6	21.9	18.6	5367		292.9	347	7.0	1.207	0.0645	50.1				68.5%	31.5%			100.0%			42.9%	100.0%	
Pickup	L8	2014	244	0.127	22.2	15.0	21.0	17.9	5651		316.9	341	7.2	1.099	0.0605	50.9				69.1%	30.9%			100.0%			22.5%	94.2%	
Pickup	L8	2015	257	0.144	22.8	15.4	21.6	18.4	5577		313.8	341	7.3	1.109	0.0614	51.8				71.5%	28.5%		10.4%	77.1%		12.4%	25.4%	87.6%	
Pickup	L8	2016	394	0.207	22.5	15.2	21.3	18.2	5602		315.4	341	7.2	1.097	0.0610	51.2				75.5%	24.5%		21.2%	71.4%		7.5%	20.5%	92.5%	0.2%
Pickup	L8	2017	-	0.278	22.6	15.3	21.3	18.2	5447		311.2	362	6.9	1.187	0.0666	49.7				80.4%	19.6%		42.2%	55.8%		2.0%	28.5%	98.0%	0.2%

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	M3	1975																											
Pickup	M3	1976																											
Pickup	M3	1977																											
Pickup	M3	1978																											
Pickup	M3	1979	230	0.104	17.7	14.4	16.0	15.1	4181		272.4	127	14.9	0.469	0.0304	31.7				9.7%	90.3%	100.0%							
Pickup	M3	1980	267	0.186	17.5	13.9	16.1	14.8	4282		293	135	14.8	0.464	0.0315	32.1				32.2%	67.8%	100.0%					0.0%		
Pickup	M3	1981	221	0.154	19.2	15.3	17.7	16.3	4126		284.9	127	15.0	0.449	0.0308	33.9				24.9%	75.1%	100.0%							
Pickup	M3	1982	151	0.105	18.7	15.0	17.2	15.9	4146		289	128	16.0	0.445	0.0310	33.3				32.5%	67.5%	100.0%							
Pickup	M3	1983	125	0.077	18.9	15.1	17.3	16.0	4269		296	129	14.8	0.438	0.0304	34.5				41.8%	58.2%	100.0%							
Pickup	M3	1984	87	0.042	19.6	15.6	18.3	16.7	4259		288.8	129	14.8	0.445	0.0302	35.7				23.3%	76.7%	98.7%					1.3%		
Pickup	M3	1985	165	0.079	18.2	14.7	16.6	15.5	4352		302	141	13.9	0.469	0.0325	34.1				54.3%	45.7%	94.2%		5.2%			0.6%		
Pickup	M3	1986	170	0.067	18.5	14.8	16.7	15.6	4329		298.8	137	13.5	0.459	0.0316	34.0				51.0%	49.0%	81.7%		17.9%			0.4%		
Pickup	M3	1987	120	0.056	17.7	14.2	15.9	14.9	4454		302.9	155	12.8	0.512	0.0350	33.4				54.8%	45.2%	6.2%		71.4%	22.2%	0.2%			
Pickup	M3	1988	67	0.027	17.9	14.2	16.1	15.1	4462		311	164	12.5	0.527	0.0368	33.7				49.2%	50.8%	1.5%		55.1%	42.4%	1.0%			
Pickup	M3	1989	72	0.032	17.7	14.0	15.8	14.8	4559		306.9	157	12.6	0.511	0.0345	34.1				55.8%	44.2%			74.8%	24.6%	0.6%			
Pickup	M3	1990	27	0.015	16.6	12.9	15.2	13.9	4671		315.9	169	11.5	0.534	0.0362	33.0				67.4%	32.6%			42.1%	56.6%	1.3%			
Pickup	M3	1991	14	0.007	16.8	13.1	15.2	14.0	4644		313.8	171	11.4	0.545	0.0369	33.1				62.1%	37.9%			44.1%	54.1%	1.8%			
Pickup	M3	1992	5	0.003	18.1	14.3	15.7	15.0	4556		300.5	150	12.0	0.499	0.0330	34.2				55.3%	44.7%			100.0%					
Pickup	M3	1993	3	0.002	18.7	14.7	16.2	15.4	4555		300.5	159	10.9	0.528	0.0349	35.2				56.4%	43.6%			100.0%					
Pickup	M3	1994																											
Pickup	M3	1995																											
Pickup	M3	1996																											
Pickup	M3	1997																											
Pickup	M3	1998																											
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Pickup	M3	2012																											
Pickup	M3	2013																											
Pickup	M3	2014																											
Pickup	M3	2015																											
Pickup	M3	2016																											
Pickup	M3	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	M4	1975																											
Pickup	M4	1976																											
Pickup	M4	1977																											
Pickup	M4	1978																											
Pickup	M4	1979	527	0.239	17.8	14.5	16.5	15.4	3692		220.3	118	15.1	0.592	0.0314	28.8174				29.9%	70.1%	99.9%				0.1%			
Pickup	M4	1980	378	0.263	23.2	18.3	21.7	19.7	3104		155.9	92	16.4	0.644	0.0297	30.99374			5.5%	28.8%	65.7%	94.4%			3.1%	2.5%			
Pickup	M4	1981	356	0.247	24.6	19.4	23.2	20.9	3254		190.5	98	16.0	0.567	0.0300	34.2			4.8%	22.7%	72.5%	93.7%			1.4%	4.9%			
Pickup	M4	1982	327	0.227	25.5	20.1	24.2	21.7	3166		181	101	16.3	0.601	0.0322	34.5			4.8%	15.9%	79.3%	93.9%			0.4%	5.7%			
Pickup	M4	1983	409	0.251	26.5	20.9	24.9	22.5	3035		159.2	93	15.6	0.606	0.0306	34.4			1.1%	16.7%	82.2%	96.4%			0.1%	3.5%			
Pickup	M4	1984	460	0.225	22.9	18.1	21.5	19.5	3412		192.6	101	15.5	0.564	0.0298	33.7			0.4%	27.0%	72.5%	98.1%				1.9%			
Pickup	M4	1985	316	0.152	26.4	20.7	25.2	22.5	3135		180.5	102	14.4	0.606	0.0327	35.5				10.1%	89.9%	78.7%		2.5%	18.1%	0.7%			
Pickup	M4	1986	295	0.116	26.6	20.8	25.1	22.6	3206		180.6	104	13.7	0.617	0.0328	36.4				9.0%	91.0%	64.2%		4.6%	30.7%	0.5%			
Pickup	M4	1987	276	0.129	26.1	20.3	24.6	22.1	3235		181.7	109	13.6	0.629	0.0338	35.9				7.3%	92.7%	35.9%		22.3%	41.7%	0.2%			
Pickup	M4	1988	110	0.045	26.2	20.8	23.5	22.0	2947		146.4	106	13.4	0.723	0.0361	32.5				0.8%	99.2%	58.3%		3.2%	38.5%				
Pickup	M4	1989	57	0.026	25.6	20.2	22.9	21.4	2955		156.9	107	12.8	0.698	0.0365	31.4				6.6%	93.4%	80.8%		6.2%	13.0%				
Pickup	M4	1990	51	0.028	26.0	20.2	23.4	21.6	2988		156.5	110	11.8	0.721	0.0371	32.3				5.5%	94.5%	61.6%		33.5%	4.9%				
Pickup	M4	1991	5	0.003	20.3	15.4	19.0	17.0	4271		249.2	143	12.2	0.606	0.0338	35.9				59.6%	40.4%	17.4%		65.9%	16.6%	0.1%			
Pickup	M4	1992	45	0.024	18.9	14.0	18.4	15.9	4312		278.7	161	11.0	0.576	0.0372	34.3				46.1%	53.9%			57.2%	42.1%	0.8%			
Pickup	M4	1993	24	0.012	17.7	13.2	16.7	14.7	4813		312.9	190	9.8	0.606	0.0394	35.7				67.6%	32.4%			19.7%	80.3%				
Pickup	M4	1994	18	0.007	17.4	13.0	16.2	14.4	4947		325.6	198	9.5	0.609	0.0400	36.0				74.7%	25.3%			11.4%	88.6%				
Pickup	M4	1995	11	0.005	17.6	13.0	16.6	14.6	4961		330.7	199	9.7	0.604	0.0401	36.3				68.9%	31.1%			11.3%	88.7%				
Pickup	M4	1996																											
Pickup	M4	1997																											
Pickup	M4	1998																											
Pickup	M4	1999																											
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Pickup	M4	2014																											
Pickup	M4	2015																											
Pickup	M4	2016																											
Pickup	M4	2017																											

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	M5	1975																											
Pickup	M5	1976																											
Pickup	M5	1977																											
Pickup	M5	1978																											
Pickup	M5	1979	124	0.056	22.7	17.5	22.1	19.4	2811		132.4	89	15.1	0.675	0.0318	27.8					100.0%	100.0%							
Pickup	M5	1980	200	0.139	25.5	20.0	24.2	21.7	2788		129.3	91	15.2	0.704	0.0326	30.6			2.1%	3.8%	94.2%	97.9%			0.8%	1.3%			
Pickup	M5	1981	254	0.176	28.7	22.7	26.9	24.4	2868		134.5	85	16.3	0.632	0.0298	35.76361			6.5%	19.5%	74.0%	73.3%			1.7%	25.0%			
Pickup	M5	1982	298	0.207	28.0	22.2	26.1	23.8	2955		139.3	88	17.3	0.634	0.0300	35.86319			3.0%	27.1%	69.8%	77.0%			0.7%	22.3%			
Pickup	M5	1983	383	0.235	27.0	21.2	25.6	23.0	3059		143.6	94	15.1	0.659	0.0310	35.6			3.3%	31.0%	65.7%	92.5%			0.1%	7.4%			
Pickup	M5	1984	575	0.281	26.8	21.1	25.4	22.8	3069		140.6	92	15.3	0.657	0.0302	35.4			1.2%	30.0%	68.9%	93.3%		2.6%		4.1%			
Pickup	M5	1985	590	0.284	26.3	20.8	24.8	22.4	3109		146.3	100	14.4	0.682	0.0321	35.1				35.2%	64.8%	78.0%		18.8%	1.3%	1.9%			
Pickup	M5	1986	1013	0.400	26.1	20.4	24.6	22.1	3133		142.9	101	13.8	0.705	0.0323	34.8				28.7%	71.3%	58.2%		19.1%	21.9%	0.8%			
Pickup	M5	1987	859	0.400	26.1	20.2	24.7	22.1	3127		147	103	13.8	0.697	0.0329	34.6				28.2%	71.8%	56.2%		22.9%	20.5%	0.4%			
Pickup	M5	1988	1076	0.438	24.6	18.9	23.4	20.7	3383		181.2	116	13.5	0.658	0.0339	35.3				29.1%	70.9%	27.3%		45.1%	27.6%				
Pickup	M5	1989	1041	0.466	23.8	18.1	22.4	20.0	3495		189.1	122	12.6	0.674	0.0349	35.0				28.2%	71.8%	14.5%		48.9%	36.6%				
Pickup	M5	1990	763	0.416	23.7	18.0	22.3	19.9	3541		193.4	130	11.4	0.708	0.0368	35.4				27.4%	72.6%	9.2%		68.3%	22.5%				
Pickup	M5	1991	983	0.512	24.4	18.4	23.0	20.4	3439		185.6	127	11.5	0.707	0.0368	35.2				21.8%	78.2%	5.5%		56.6%	37.9%				
Pickup	M5	1992	816	0.444	23.8	17.8	22.4	19.8	3585		193.1	130	11.3	0.704	0.0364	35.6				23.0%	77.0%	6.9%		63.3%	29.9%				
Pickup	M5	1993	852	0.426	24.1	17.8	22.7	20.0	3548		187.5	131	10.5	0.723	0.0370	35.6				24.2%	75.8%	4.5%		73.9%	21.6%				
Pickup	M5	1994	1051	0.394	24.3	18.0	22.6	20.0	3639		185.7	133	10.5	0.745	0.0367	36.7				24.5%	75.5%	1.9%		89.1%	9.0%		3.9%		
Pickup	M5	1995	889	0.391	23.7	17.4	22.1	19.5	3781		197.5	139	10.6	0.752	0.0371	37.3				23.0%	77.0%			84.8%	15.2%		8.0%		
Pickup	M5	1996	677	0.346	24.4	17.7	22.7	20.0	3739		187.6	142	10.9	0.794	0.0380	37.7				21.5%	78.5%			100.0%			24.5%		
Pickup	M5	1997	608	0.253	24.7	17.9	22.8	20.2	3778		188.7	149	10.7	0.809	0.0392	38.4				19.2%	80.8%			100.0%			18.4%		
Pickup	M5	1998	660	0.273	24.4	17.6	22.5	19.9	3759		183.7	150	10.9	0.834	0.0397	37.8				25.3%	74.7%			100.0%			25.1%		
Pickup	M5	1999	446	0.175	23.7	16.9	21.8	19.2	3800		192.3	156	10.7	0.822	0.0407	36.9				29.4%	70.6%			100.0%			20.4%		
Pickup	M5	2000	435	0.167	23.5	16.8	21.2	18.9	3823		192.5	160	10.0	0.841	0.0415	36.5				24.6%	75.4%			100.0%			22.3%		
Pickup	M5	2001	303	0.120	22.9	16.4	20.7	18.5	3909		198.5	164	9.8	0.844	0.0418	36.3				25.9%	74.1%			100.0%			30.8%		
Pickup	M5	2002	227	0.095	22.7	16.1	20.4	18.2	3991		206.3	176	9.5	0.868	0.0439	36.7				31.1%	68.9%			100.0%			47.2%		
Pickup	M5	2003	256	0.103	23.4	16.4	21.1	18.7	3946		195	168	9.8	0.878	0.0423	37.2				28.0%	72.0%			100.0%			35.5%		
Pickup	M5	2004	172	0.068	22.9	16.0	20.6	18.3	3979		200.3	177	9.4	0.900	0.0445	36.7				34.3%	65.7%			100.0%			49.5%	5.7%	
Pickup	M5	2005	94	0.041	24.0	16.4	21.7	19.1	4005		193.8	176	9.4	0.928	0.0440	38.4				26.1%	73.9%			100.0%			61.0%	43.7%	
Pickup	M5	2006	96	0.044	24.4	16.7	22.2	19.5	4017		189.6	173	9.6	0.933	0.0432	39.2				23.6%	76.4%			100.0%			67.1%	53.2%	
Pickup	M5	2007	67	0.031	25.0	17.2	22.4	19.8	3991		186.7	171	9.7	0.939	0.0431	39.7				19.7%	80.3%			100.0%			69.0%	86.2%	
Pickup	M5	2008	50	0.028	25.6	17.7	22.8	20.3	3872		178.9	168	9.8	0.954	0.0433	39.5				25.6%	74.4%			100.0%			76.0%	76.0%	
Pickup	M5	2009	34	0.034	27.2	18.9	23.8	21.4	3810		164.1	161	9.8	0.986	0.0424	41.0				39.6%	60.4%			100.0%			95.1%	96.1%	
Pickup	M5	2010	24	0.019	27.0	18.7	23.6	21.2	3820		164.7	160	10.0	0.979	0.0421	40.8				42.8%	57.2%			100.0%			93.2%	73.7%	
Pickup	M5	2011	24	0.016	26.7	18.6	23.1	20.9	3794		174	165	9.7	0.964	0.0436	40.1				41.4%	58.6%			100.0%			78.4%	48.1%	
Pickup	M5	2012	12	0.009	27.1	19.0	22.3	20.7	3871		164	161	10.0	0.982	0.0418	40.2				46.8%	53.2%			100.0%			100.0%	100.0%	
Pickup	M5	2013	11	0.007	27.5	19.3	22.4	20.9	3892		161.8	157	10.1	0.974	0.0406	40.8				44.4%	55.6%			100.0%			100.0%	100.0%	
Pickup	M5	2014	8	0.004	27.4	19.2	22.3	20.9	3897		161.7	157	10.2	0.974	0.0405	40.8				45.3%	54.7%			100.0%			100.0%	100.0%	
Pickup	M5	2015	7	0.004	27.3	19.2	22.1	20.7	4000		161.4	157	10.3	0.975	0.0393	41.7				47.2%	52.8%			100.0%			100.0%	100.0%	
Pickup	M5	2016	4	0.002	27.0	19.2	21.8	20.6	4239		158.2	155	10.8	0.982	0.0367	43.6				47.7%	52.3%			100.0%			100.0%	100.0%	
Pickup	M5	2017	-	0.003	26.9	19.2	21.7	20.6	4193		157.1	155	10.7	0.985	0.0370	43.1				38.7%	61.3%			100.0%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	M6	1975																											
Pickup	M6	1976																											
Pickup	M6	1977																											
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Pickup	M6	2001																											
Pickup	M6	2002																											
Pickup	M6	2003																											
Pickup	M6	2004	3	0.001	13.0	8.6	13.6	10.8	5135		505	500	5.2	0.990	0.0975	27.8					100.0%			100.0%			100.0%		
Pickup	M6	2005	37	0.016	20.1	13.8	18.5	16.1	4429		260.8	262	7.5	1.008	0.0591	35.9				48.3%	51.7%			100.0%			70.9%	70.9%	
Pickup	M6	2006	39	0.018	20.6	14.3	18.7	16.5	4499		247.5	242	8.0	0.978	0.0540	37.3				50.7%	49.3%			100.0%			62.6%	62.6%	
Pickup	M6	2007	26	0.012	21.3	14.9	19.0	17.0	4438		240.9	236	8.1	0.980	0.0535	37.7				54.9%	45.1%			100.0%			65.0%	39.7%	
Pickup	M6	2008	22	0.012	21.1	14.8	18.7	16.8	4472		241.3	233	8.2	0.969	0.0526	37.6				53.3%	46.7%			100.0%			56.3%	12.4%	
Pickup	M6	2009	7	0.007	20.9	14.6	18.8	16.7	4445		240.8	238	7.9	0.990	0.0537	37.2				85.0%	15.0%			100.0%			98.4%	10.5%	
Pickup	M6	2010	7	0.005	20.4	14.3	18.0	16.2	4557		241.7	242	8.0	1.000	0.0531	37.0				90.0%	10.0%			100.0%			100.0%	100.0%	
Pickup	M6	2011	7	0.005	20.6	14.6	18.4	16.5	4481		241.9	243	7.9	1.005	0.0543	37.0				90.6%	9.4%			100.0%			100.0%	100.0%	
Pickup	M6	2012	8	0.006	22.0	15.5	19.4	17.5	4483		242.5	248	7.8	1.024	0.0554	39.2				88.0%	12.0%			100.0%			100.0%	100.0%	
Pickup	M6	2013	7	0.005	22.0	15.5	19.4	17.5	4480		241.9	240	8.0	0.994	0.0537	39.2				91.6%	8.4%			100.0%			100.0%	100.0%	
Pickup	M6	2014	5	0.003	21.8	15.4	19.1	17.3	4493		241.5	237	8.1	0.980	0.0527	38.9				97.8%	2.2%			100.0%			100.0%	100.0%	
Pickup	M6	2015	9	0.005	22.9	16.0	20.3	18.2	4431		229.3	236	8.1	1.043	0.0533	40.5				82.2%	17.8%		14.4%	85.6%			100.0%	100.0%	
Pickup	M6	2016	9	0.005	24.7	17.4	21.5	19.5	4412		201.4	255	7.8	1.273	0.0577	43.1				74.1%	25.9%		24.1%	75.9%			100.0%	100.0%	
Pickup	M6	2017	-	0.005	25.2	17.7	21.8	19.8	4346		193.2	252	7.8	1.300	0.0576	43.1				68.5%	31.5%		31.1%	68.9%			100.0%	100.0%	

	Transmission		Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Fuel Metering					Multi-		
Vehicle Type	Type	Model Year	(000)	Frac	Lab 55/45	Adj City	Adj	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	OT	1975																											
Pickup	OT	1976																											
Pickup	OT	1977																											
Pickup	OT	1978																											
Pickup	OT	1979																											
Pickup	OT	1980																											
Pickup	OT	1981																											
Pickup	OT	1982																											
Pickup	OT	1983	7	0.004	15.6	12.3	14.5	13.2	4498		279.6	132	16.1	0.465	0.0292	30.2				59.1%	40.9%	100.0%							
Pickup	OT	1984																											
Pickup	OT	1985																											
Pickup	OT	1986																											
Pickup	OT	1987																											
Pickup	OT	1988																											
Pickup	OT	1989																											
Pickup	OT	1990																											
Pickup	OT	1991																											
Pickup	OT	1992																											
Pickup	OT	1993																											
Pickup	OT	1994																											
Pickup	OT	1995																											
Pickup	OT	1996	1	0.000	15.5	11.3	14.7	12.8	5385		345.9	227	10.0	0.657	0.0422	34.5				77.0%	23.0%			100.0%					
Pickup	OT	1997																											
Pickup	OT	1998																											
Pickup	OT	1999																											
Pickup	OT	2000																											
Pickup	OT	2001																											
Pickup	OT	2002																											
Pickup	OT	2003																											
Pickup	OT	2004																											
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Pickup	OT	2006																											
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Pickup	OT	2010																											
Pickup	OT	2011																											
Pickup	OT	2012																											
Pickup	OT	2013																											
Pickup	OT	2014																											
Pickup	OT	2015																											
Pickup	OT	2016																											
Pickup	OT	2017																											

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	2	1975	51	0.006	15.8	12.2	15.4	13.5	2899		152	129		0.849	0.0444	19.5					100.0%	50.5%	49.5%				100.0%							
Car	2	1976	27	0.003	20.4	15.8	19.9	17.4	2952		156	132		0.846	0.0447	25.8					100.0%	40.1%	59.9%				100.0%							
Car	2	1977	16	0.001	22.3	17.0	22.3	19.1	2966	91.1	157	133		0.846	0.0448	28.5	1747	2596			100.0%	61.7%	38.3%				100.0%							
Car	2	1978	2	0.000	20.9	16.3	20.1	17.8	2855	94.2	154	131	10.6	0.848	0.0459	25.5	1683	2416			100.0%	66.3%	33.7%				100.0%							
Car	2	1979	52	0.005	20.4	15.3	21.1	17.5	2750	50.0	140	125	11.4	0.893	0.0455	24.0	873	1201			100.0%	90.1%	9.9%				100.0%							
Car	2	1980	53	0.006	19.8	14.8	20.8	17.0	2750	50.0	140	100	13.5	0.714	0.0364	23.4	850	1168			100.0%	90.5%	9.5%				100.0%							
Car	2	1981	34	0.004	23.7	18.4	23.0	20.2	2500	50.0	140	100	12.7	0.714	0.0400	25.3	1012	1265			100.0%	91.4%	8.6%				100.0%							
Car	2	1982	51	0.007	23.7	18.4	22.9	20.2	2500	50.0	140	100	13.6	0.714	0.0400	25.3	1011	1264			100.0%	89.6%	10.4%				100.0%							
Car	2	1983	61	0.008	22.7	17.6	22.0	19.3	2516	50.0	140	100	12.4	0.714	0.0398	24.3	968	1216			100.0%	92.2%	7.8%				100.0%							
Car	2	1984	41	0.004	22.0	16.5	22.5	18.8	2577	50.0	144	109	11.9	0.749	0.0420	24.2	940	1210			100.0%	91.4%		8.6%			77.6%			22.4%				
Car	2	1985	59	0.005	22.1	16.6	22.6	18.9	2568	50.0	143	106	11.9	0.739	0.0412	24.2	944	1212			100.0%	87.2%		12.8%			85.4%		14.6%					
Car	2	1986	51	0.005	23.0	17.0	23.9	19.6	2925	79.4	160	146	9.8	0.913	0.0500	28.7	1558	2278			100.0%	82.4%		17.6%					100.0%					
Car	2	1987	51	0.005	22.8	16.8	23.6	19.4	3000	50.0	160	152	9.8	0.953	0.0508	29.1	971	1457			100.0%	85.5%		14.5%					100.0%					
Car	2	1988	39	0.004	22.6	16.6	23.4	19.2	3111	50.0	160	150	10.2	0.938	0.0485	29.9	960	1493			100.0%	86.2%		13.8%					100.0%					
Car	2	1989	9	0.001	22.9	16.6	23.8	19.4	3141	50.0	160	163	9.5	1.021	0.0523	30.4	969	1520			100.0%	74.1%		25.9%					100.0%					
Car	2	1990	11	0.001	22.9	16.5	23.7	19.3	3169	50.0	160	162	9.0	1.014	0.0515	30.6	967	1529			100.0%	72.8%		27.2%					100.0%					
Car	2	1991	8	0.001	22.8	16.4	23.5	19.2	3203	50.0	160	161	9.2	1.007	0.0506	30.7	962	1537			100.0%	74.7%		25.3%					100.0%					
Car	2	1992	0	0.000	22.7	15.9	24.4	19.2	3500	50.0	160	160	9.3	1.000	0.0457	33.5	958	1676			100.0%	100.0%							100.0%					
Car	2	1993	10	0.001	23.5	16.7	24.1	19.7	3000	50.0	160	255	6.0	1.594	0.0850	29.5	984	1476			100.0%	84.8%		15.2%					100.0%					
Car	2	1994	3	0.000	23.5	16.6	24.0	19.6	3000	50.0	160	255	5.9	1.594	0.0850	29.4	981	1472			100.0%	88.0%		12.0%					100.0%					
Car	2	1995	1	0.000	22.9	16.0	23.5	19.1	3000	50.0	160	255	6.4	1.594	0.0850	28.7	957	1435			100.0%	87.6%		12.4%					100.0%					
Car	2	1996																																
Car	2	1997																																
Car	2	1998																																
Car	2	1999																																
Car	2	2000																																
Car	2	2001																																
Car	2	2002																																
Car	2	2003																																
Car	2	2004	35	0.005	23.8	16.3	22.0	19.1	3500	96.3	160	224	7.4	1.397	0.0639	33.4	1841	3221			100.0%	64.9%		35.1%					100.0%					
Car	2	2005	18	0.002	23.8	16.2	22.0	19.0	3500	96.3	80	220	7.9	2.752	0.0629	33.3	1834	3210			100.0%	56.5%		43.5%					100.0%					
Car	2	2006	6	0.001	24.0	16.3	22.3	19.2	3500	96.3	79	227	7.5	2.870	0.0648	33.7	1853	3242			100.0%	56.7%		43.3%					100.0%					
Car	2	2007	6	0.001	24.0	16.3	22.3	19.3	3500	96.3	79	225	7.7	2.852	0.0644	33.7	1855	3246			100.0%	51.3%		48.7%					100.0%					
Car	2	2008	2	0.000	24.0	16.3	22.3	19.2	3500	96.3	79	226	7.7	2.865	0.0647	33.7	1854	3244			100.0%	55.0%		45.0%					100.0%					
Car	2	2009	3	0.001	24.0	16.3	22.3	19.2	3500	96.3	79	224	7.5	2.838	0.0641	33.7	1853	3242			100.0%	61.1%		38.9%					100.0%					
Car	2	2010	1	0.000	24.0	16.3	22.3	19.2	3500	97.0	79	224	7.6	2.834	0.0640	33.7	1867	3266			100.0%	59.5%		40.5%					100.0%					
Car	2	2011	1	0.000	24.0	16.3	22.2	19.2	3500	97.0	79	224	7.6	2.830	0.0639	33.7	1867	3268			100.0%	57.8%		42.2%					100.0%					
Car	2	2012																																
Car	2	2013																																
Car	2	2014	6	0.001	131.6	119.0	65.0	80.7	3500	98.6	37	170	6.8	4.643	0.0486	141.3	7959	13928			100.0%		100.0%						100.0%			100.0%		100.0%
Car	2	2015	7	0.001	132.2	119.0	65.7	81.4	3500	98.6	37	170	7.9	4.643	0.0486	142.4	8022	14038			100.0%		100.0%						100.0%			100.0%		100.0%
Car	2	2016	4	0.001	218.1	295.7	104.1	144.3	3500	98.6	37	38	7.1	1.038	0.0109	252.5	14225	24893			100.0%		100.0%						100.0%			100.0%		100.0%
Car	2	2017	-	0.001	131.6	119.0	65.0	80.7	3500	98.6	37	38	7.1	1.038	0.0109	141.3	7960	13930			100.0%		100.0%						100.0%			100.0%		100.0%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	3	1975																																
Car	3	1976																																
Car	3	1977																																
Car	3	1978																																
Car	3	1979																																
Car	3	1980																																
Car	3	1981																																
Car	3	1982																																
Car	3	1983																																
Car	3	1984																																
Car	3	1985	37	0.003	57.4	46.7	51.5	48.8	1750	82.6	61	48	17.6	0.787	0.0274	42.8	4037	3533	100.0%			90.1%	9.9%				100.0%							
Car	3	1986	81	0.007	55.9	45.4	49.4	47.1	1750	84.6	61	46	17.8	0.759	0.0264	42.0	4053	3547	100.0%			64.7%	35.3%				100.0%							
Car	3	1987	78	0.007	50.8	40.8	44.8	42.6	1878	84.8	63	51	17.6	0.810	0.0271	40.3	3661	3414	100.0%			73.5%	26.5%				91.4%		8.6%			13.5%		
Car	3	1988	103	0.010	47.2	37.6	41.6	39.4	1867	86.6	65	54	17.0	0.824	0.0286	37.3	3473	3226	89.0%	11.0%		76.5%	23.5%				85.3%		13.2%	1.5%		31.4%		
Car	3	1989	85	0.008	47.5	37.8	41.1	39.4	1975	90.9	65	55	16.6	0.843	0.0276	39.4	3679	3584	100.0%			64.3%	20.8%		14.9%		29.5%		13.0%	57.5%		29.5%		
Car	3	1990	46	0.005	48.7	38.3	42.0	40.0	2021	87.9	63	55	15.8	0.854	0.0269	41.4	3647	3650	89.0%	11.0%		77.7%	15.9%		6.4%		5.7%		24.2%	70.1%		20.7%		
Car	3	1991	111	0.013	48.2	37.4	41.8	39.5	2008	85.5	62	56	15.7	0.907	0.0280	40.3	3462	3462	94.5%	5.5%		61.0%	35.8%		3.3%		2.5%		7.8%	89.7%		8.1%		
Car	3	1992	111	0.014	48.6	37.2	42.1	39.5	1984	87.6	61	55	15.7	0.902	0.0278	39.8	3532	3494	99.6%	0.4%		50.1%	49.7%		0.2%		0.7%		1.9%	97.4%		1.2%		
Car	3	1993	88	0.010	51.1	38.9	43.8	41.2	1979	88.6	62	56	14.3	0.906	0.0282	41.5	3739	3683	97.7%	2.3%		69.2%	30.0%		0.9%				4.6%	95.4%		4.6%		
Car	3	1994	100	0.012	50.0	37.6	42.7	40.0	1981	91.7	61	55	14.5	0.904	0.0280	40.3	3741	3695	100.0%			53.9%	46.1%						2.4%	97.6%		2.4%		
Car	3	1995	29	0.003	54.5	40.3	46.8	43.4	2000	99.9	61	55	14.2	0.902	0.0275	43.4	4336	4336	100.0%			100.0%								100.0%				
Car	3	1996	25	0.003	54.8	40.3	46.4	43.3	2000	100.0	61	55	14.8	0.902	0.0275	43.3	4327	4327	100.0%			100.0%								100.0%				
Car	3	1997	13	0.002	54.4	39.5	46.1	42.8	2000	90.5	61	55	14.8	0.902	0.0275	42.8	3871	3871	100.0%			100.0%								100.0%				
Car	3	1998	12	0.001	53.6	38.1	46.1	42.0	2000	89.7	60	55	15.3	0.917	0.0275	42.0	3765	3765	100.0%			100.0%								100.0%				
Car	3	1999																																
Car	3	2000	11	0.001	61.6	42.7	51.6	47.1	2000	68.1	61	61	12.7	1.005	0.0306	48.8	3153	3153	52.4%		47.6%	100.0%							52.4%	47.6%		52.4%	52.4%	52.4%
Car	3	2001	3	0.000	71.2	49.3	56.3	53.0	2111	50.0	61	66	11.1	1.084	0.0315	55.9	2661	2797	100.0%			55.8%			44.2%				100.0%			100.0%	100.0%	100.0%
Car	3	2002																																
Car	3	2003	1	0.000	69.0	47.4	53.0	50.4	2167	50.0	61	66	11.1	1.076	0.0304	54.6	2530	2732	100.0%			33.2%			66.8%				100.0%			100.0%	100.0%	100.0%
Car	3	2004	1	0.000	68.5	46.7	51.9	49.5	2175	50.0	61	66	11.1	1.075	0.0303	53.8	2482	2692	100.0%			29.8%			70.2%				100.0%			100.0%	100.0%	100.0%
Car	3	2005	1	0.000	69.7	46.6	52.7	49.9	2140	50.0	61	69	11.1	1.123	0.0322	53.4	2504	2670	100.0%			44.0%			56.0%				100.0%			100.0%	100.0%	100.0%
Car	3	2006	1	0.000	70.3	46.7	53.6	50.4	2111	50.0	61	72	11.1	1.182	0.0343	53.2	2529	2661	100.0%			55.7%			44.3%				100.0%			100.0%	100.0%	100.0%
Car	3	2007																																
Car	3	2008	22	0.003	49.5	33.4	40.5	37.1	2000	50.0	61	70	13.2	1.148	0.0350	37.1	1857	1857			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2009	14	0.003	49.5	33.4	40.5	37.1	2000	50.0	61	70	12.9	1.148	0.0350	37.1	1857	1857			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2010	3	0.001	49.1	33.3	40.0	36.8	2000	50.0	61	70	13.0	1.148	0.0350	36.8	1841	1841			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2011	3	0.001	48.7	32.7	38.2	35.6	2000	50.0	61	70	13.0	1.148	0.0350	35.6	1782	1782			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2012	5	0.001	49.5	33.8	37.7	35.9	2000	50.0	61	70	13.0	1.148	0.0350	35.9	1796	1796			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2013	13	0.002	49.8	34.1	37.9	36.2	2000	50.0	61	70	13.0	1.148	0.0350	36.2	1808	1808			100.0%		100.0%						100.0%			100.0%	100.0%	
Car	3	2014	33	0.004	51.0	33.8	40.2	37.2	2360	91.7	75	90	11.9	1.183	0.0371	43.8	3449	4065	81.4%	2.3%	16.3%	16.3%	16.3%	15.9%	51.6%			19.9%	80.1%			100.0%	100.0%	2.3%
Car	3	2015	70	0.009	49.4	32.6	39.4	36.2	2514	93.2	77	103	11.2	1.322	0.0396	45.3	3417	4262	85.6%	3.4%	11.1%	16.0%	11.1%	27.3%	45.6%			38.6%	61.4%			100.0%	100.0%	3.4%
Car	3	2016	32	0.004	43.3	28.5	36.2	32.4	2967	87.1	77	126	9.7	1.656	0.0422	48.2	2806	4232	73.4%	4.5%	22.1%	14.2%	19.8%	66.0%				100.0%				100.0%	100.0%	4.5%
Car	3	2017	-	0.010	45.9	30.1	37.7	34.0	2784	96.7	79	105	11.1	1.325	0.0373	47.3	3346	4584	82.9%	8.7%	8.4%	14.8%	8.4%	35.6%	41.2%			53.8%	46.2%			100.0%	100.0%	1.4%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	4	1975	1805	0.219	24.3	18.7	23.8	20.7	2651		112	79		0.716	0.0298	27.6			25.2%		74.8%	67.7%	31.1%	1.2%			84.8%		14.4%		0.8%			
Car	4	1976	2017	0.207	26.5	20.5	25.8	22.6	2613		111	77		0.706	0.0296	29.7			22.0%		78.0%	63.9%	36.1%				92.7%		6.7%		0.6%			
Car	4	1977	2287	0.202	28.7	22.4	27.6	24.4	2524	86.8	106	78		0.742	0.0308	31.2	2178	2718	28.3%		71.7%	69.5%	30.5%				86.3%		11.9%		1.8%			
Car	4	1978	2926	0.262	28.3	22.3	26.7	24.1	2511	88.9	108	77	14.7	0.727	0.0308	30.7	2196	2731	31.8%		68.2%	65.9%	32.6%	1.5%			87.8%		10.4%		1.7%			
Car	4	1979	3157	0.292	27.1	21.2	25.7	23.1	2564	90.1	110	77	16.3	0.707	0.0300	29.8	2121	2695	33.5%	1.2%	65.3%	61.8%	34.1%	2.6%		1.6%	90.9%		7.0%		2.1%			
Car	4	1980	4511	0.478	28.1	22.0	26.8	23.9	2573	93.0	116	78	16.5	0.681	0.0303	31.0	2267	2891	44.8%	1.0%	54.2%	58.3%	39.7%	0.7%		1.3%	87.3%		9.1%		3.6%			
Car	4	1981	4469	0.512	29.8	23.4	28.3	25.4	2556	97.7	115	79	16.3	0.693	0.0308	32.7	2515	3192	60.6%	0.9%	38.4%	54.1%	43.1%	1.7%		1.1%	88.5%		7.5%		4.0%			
Car	4	1982	4252	0.544	30.9	24.1	29.8	26.3	2595	97.8	115	78	17.7	0.686	0.0300	34.4	2609	3367	72.1%	0.9%	26.9%	48.6%	29.1%	21.4%		0.9%	78.7%		7.5%	11.2%	2.6%			
Car	4	1983	4158	0.520	31.2	24.4	29.8	26.6	2622	101.2	118	81	15.9	0.694	0.0307	35.2	2737	3556	76.2%	5.1%	18.7%	44.1%	28.8%	26.2%		0.9%	66.3%		11.7%	21.0%	1.0%			
Car	4	1984	5744	0.538	31.4	24.4	30.2	26.7	2655	100.3	119	85	15.4	0.718	0.0320	35.8	2720	3586	81.3%	1.4%	17.2%	39.9%	29.6%	30.4%		0.1%	54.7%		15.4%	28.3%	1.6%			
Car	4	1985	5865	0.543	31.5	24.6	30.3	26.9	2671	101.9	120	90	14.8	0.752	0.0336	36.1	2774	3685	84.0%	3.7%	12.2%	36.7%	31.5%	31.8%			46.9%		18.7%	33.6%	0.8%			
Car	4	1986	6462	0.587	31.3	24.2	30.0	26.6	2719	102.5	122	91	14.2	0.753	0.0332	36.3	2753	3725	89.5%	1.5%	9.0%	36.5%	26.5%	37.0%			36.3%		24.4%	38.9%	0.4%	7.6%		
Car	4	1987	6679	0.622	31.1	24.0	29.7	26.3	2732	102.1	121	92	14.3	0.772	0.0336	36.2	2711	3690	92.0%	1.5%	6.5%	34.4%	22.6%	43.0%			31.8%		24.9%	43.2%	0.1%	21.9%		
Car	4	1988	6333	0.590	31.7	24.3	30.1	26.7	2739	101.8	118	95	14.3	0.805	0.0343	36.8	2749	3743	94.1%	1.0%	4.9%	35.2%	14.4%	50.3%			21.5%		32.7%	45.9%		30.2%		
Car	4	1989	5671	0.566	31.1	23.6	29.6	26.1	2794	101.5	120	100	13.4	0.840	0.0357	36.6	2679	3719	93.2%	1.5%	5.2%	31.8%	14.7%	53.5%			15.0%		43.7%	41.3%	0.1%	38.8%		
Car	4	1990	4925	0.559	30.7	23.1	29.1	25.6	2857	100.8	122	108	12.0	0.901	0.0378	36.7	2606	3708	93.2%	1.5%	5.3%	30.6%	11.4%	57.9%			1.7%		62.9%	35.3%	0.0%	52.4%		
Car	4	1991	4843	0.568	30.8	23.0	29.3	25.7	2846	100.9	121	109	12.1	0.913	0.0380	36.7	2622	3710	92.5%	2.1%	5.4%	31.2%	7.9%	60.9%			0.0%		68.9%	31.0%	0.1%	52.9%	2.8%	
Car	4	1992	3946	0.487	30.9	22.8	29.4	25.7	2885	100.7	120	112	11.6	0.947	0.0388	37.2	2615	3748	88.5%	1.2%	10.3%	30.1%	8.5%	61.4%					86.6%	13.4%	0.0%	58.2%	4.9%	
Car	4	1993	4268	0.505	31.6	23.1	30.1	26.1	2866	101.9	119	110	11.0	0.930	0.0383	37.6	2690	3833	94.1%	2.0%	3.9%	29.3%	7.8%	62.9%					88.1%	11.9%		54.8%	5.4%	
Car	4	1994	4190	0.498	31.6	22.9	30.1	26.1	2899	102.0	120	113	10.8	0.955	0.0390	37.9	2683	3870	97.1%	0.7%	2.2%	27.5%	5.4%	67.1%					92.1%	7.9%		60.6%	12.1%	
Car	4	1995	4620	0.492	32.2	23.1	30.7	26.4	2889	102.7	118	120	10.7	1.016	0.0413	38.3	2738	3934	90.2%	2.2%	7.7%	27.4%	1.9%	70.7%					98.3%	1.7%		75.3%	12.3%	
Car	4	1996	3982	0.505	31.6	22.5	30.1	25.9	2937	102.8	121	123	10.9	1.023	0.0420	38.1	2686	3921	95.9%	2.5%	1.6%	24.0%	2.1%	73.8%	0.0%				98.3%	1.5%	0.1%	78.4%	14.6%	
Car	4	1997	4481	0.538	31.8	22.4	30.2	25.9	2947	102.4	122	124	10.9	1.024	0.0420	38.3	2672	3922	95.8%	2.8%	1.5%	21.5%	1.1%	77.3%	0.1%				98.7%	1.2%	0.1%	76.1%	11.6%	
Car	4	1998	4097	0.514	32.0	22.4	30.3	26.0	3015	103.4	122	127	11.1	1.044	0.0421	39.2	2702	4059	95.6%	3.0%	1.3%	19.3%	0.7%	79.9%	0.1%				99.7%		0.3%	80.5%	22.0%	
Car	4	1999	4055	0.484	31.4	21.9	29.7	25.5	3072	103.7	124	129	11.0	1.051	0.0421	39.1	2656	4066	96.0%	3.1%	0.9%	17.6%	1.1%	81.2%	0.1%				99.6%	0.2%	0.2%	80.3%	18.7%	
Car	4	2000	4397	0.482	31.2	21.6	29.2	25.2	3072	104.4	123	130	10.5	1.064	0.0425	38.7	2646	4051	95.2%	3.0%	1.9%	17.0%	2.2%	80.7%	0.0%				99.5%		0.5%	79.2%	24.7%	
Car	4	2001	4177	0.497	31.7	21.8	29.5	25.5	3102	104.9	124	132	10.3	1.067	0.0425	39.6	2700	4168	95.9%	3.1%	1.0%	17.2%	1.6%	80.8%	0.4%				99.5%		0.5%	82.1%	31.7%	0.4%
Car	4	2002	4329	0.522	31.5	21.5	29.1	25.2	3135	106.8	126	138	10.2	1.099	0.0440	39.6	2715	4242	95.2%	3.7%	1.2%	16.9%	0.4%	82.0%	0.7%				99.2%		0.8%	83.2%	42.8%	0.6%
Car	4	2003	4135	0.522	32.2	21.8	29.6	25.6	3161	107.1	126	142	10.0	1.135	0.0449	40.6	2767	4360	95.4%	3.5%	1.2%	15.8%		82.6%	1.6%				99.3%		0.7%	92.4%	52.1%	1.1%
Car	4	2004	3742	0.497	32.6	21.9	29.9	25.8	3153	107.4	126	145	9.8	1.153	0.0458	41.0	2805	4405	95.3%	3.6%	1.1%	14.4%	0.4%	82.5%	2.7%				99.4%		0.6%	96.0%	55.1%	1.9%
Car	4	2005	4363	0.544	33.2	22.2	30.1	26.1	3143	108.3	126	145	9.7	1.151	0.0459	41.5	2877	4506	94.4%	4.3%	1.4%	13.0%	0.2%	83.0%	3.8%				99.3%		0.7%	94.4%	66.6%	3.4%
Car	4	2006	4039	0.505	33.3	22.2	30.2	26.2	3185	108.1	127	150	9.6	1.183	0.0470	42.2	2878	4572	94.5%	4.4%	1.2%	13.5%	0.0%	82.8%	3.6%				98.9%		1.1%	95.5%	73.0%	2.9%
Car	4	2007	4675	0.579	34.4	23.0	31.0	26.9	3206	108.0	127	149	9.6	1.176	0.0464	43.8	2971	4745	95.5%	3.3%	1.2%	10.8%		73.5%	15.7%			0.5%	99.5%			97.2%	70.0%	5.7%
Car	4	2008	4238	0.579	34.6	23.1	31.1	27.1	3216	108.3	127	151	9.7	1.186	0.0466	44.2	2999	4801	94.3%	4.6%	1.1%	10.1%		72.0%	18.0%			3.2%	96.8%			99.0%	68.1%	5.8%
Car	4	2009	3925	0.696	35.2	23.5	31.7	27.5	3246	109.7	128	151	9.5	1.186	0.0464	45.1	3059	4952	95.4%	4.2%	0.3%	7.6%		78.5%	13.9%			2.9%	96.1%		1.0%	99.5%	82.1%	4.2%
Car	4	2010	4259	0.703	37.0	24.7	33.0	28.8	3255	110.0	128	152	9.5	1.186	0.0465	48.1	3256	5313	96.8%	2.8%	0.4%	5.6%	2.4%	72.8%	19.2%			3.1%	95.5%		1.4%	98.8%	94.1%	8.8%
Car	4	2011	3814	0.664	36.5	24.0	32.6	28.2	3321	111.2	129	159	9.2	1.244	0.0478	47.6	3192	5303	95.2%	4.5%	0.4%	5.7%	0.4%	76.6%	17.3%			14.7%	83.8%		1.5%	99.1%	95.3%	6.1%
Car	4	2012	5581	0.755	38.5	25.3	34.0	29.6	3281	110.4	125	157	9.1	1.264	0.0478	49.5	3338	5481	94.8%	3.6%	1.7%	5.8%	2.3%	72.7%	19.2%			22.9%	75.5%		1.5%	99.2%	97.6%	7.7%
Car	4	2013	6295	0.765	39.5	26.0	34.7	30.3	3304	110.1	123	163	8.9	1.339	0.0492	51.5	3433	5692	91.7%	4.8%	3.5%	5.9%	2.5%	67.3%	24.3%			35.6%	62.7%		1.7%	99.3%	97.8%	9.0%
Car	4	2014	5856	0.767	39.7	26.0	34.7	30.4	3329	111.3	123	163	8.9	1.339	0.0488	51.4	3443	5733	91.6%	5.2%	3.2%	4.5%	3.0%	57.4%	35.1%			40.0%	58.1%		1.9%	99.1%	97.4%	7.3%
Car	4	2015	6279	0.795	40.1	26.2	35.2	30.6	3351	111.7	125	168	8.8	1.346	0.0497	52.1			89.5%	7.0%	3.5%	4.3%	2.2%	55.1%	38.3%			42.3%	56.5%		1.2%	99.3%	98.2%	6.5%
Car	4	2016	5769	0.809	40.4	26.3	35.5	30.9	3326	111.9	122	168	8.7	1.396	0.0502	52.3			88.2%	7.5%	4.2%	3.8%	4.7%	56.6%	34.9%			51.6%	48.4%		0.1%	100.0%	99.9%	4.8%
Car	4	2017	-	0.808	41.5	27.2	35.7	31.5	3366	112.4	121	167	8.7	1.404	0.0494	54.5			85.1%	9.5%	5.3%	4.5%	4.4%	50.6%	40.6%			54.4%	45.3%		0.3%	100.0%	99.8%	9.0%

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	5	1975	5	0.001	26.8	21.5	24.5	22.8	3500		183	77		0.421	0.0220	39.8					100.0%		100.0%								100.0%			
Car	5	1976	12	0.001	24.4	20.0	21.7	20.7	4000		183	77		0.421	0.0193	41.4					100.0%		100.0%								100.0%			
Car	5	1977	12	0.001	24.9	20.7	21.6	21.1	4000	105.0	183	77		0.421	0.0193	42.2	2214	4428			100.0%		100.0%								100.0%			
Car	5	1978	39	0.003	20.9	16.5	19.6	17.8	3411	103.6	152	102	15.1	0.690	0.0306	31.5	1873	3249	58.9%		41.1%	8.1%	91.9%						58.9%		41.1%			
Car	5	1979	43	0.004	22.8	18.4	20.7	19.4	3596	106.0	162	100	16.5	0.636	0.0284	35.9	2090	3818	40.4%		59.6%	8.9%	91.1%						38.0%		62.0%			
Car	5	1980	66	0.007	23.8	18.7	22.6	20.3	3357	105.3	152	93	17.1	0.630	0.0281	35.4	2208	3744	56.6%		43.4%	18.5%	81.5%						41.9%		58.1%			
Car	5	1981	59	0.007	25.4	20.1	23.8	21.6	3358	105.3	155	98	16.4	0.650	0.0297	37.4	2330	3971	51.0%		49.0%	21.5%	78.5%						40.8%		59.2%			
Car	5	1982	58	0.007	26.9	21.5	24.7	22.9	3602	105.8	164	114	16.4	0.705	0.0319	42.3	2460	4501	37.1%		62.9%	11.0%	89.0%						35.3%		64.7%			
Car	5	1983	64	0.008	27.4	22.0	25.1	23.3	3660	106.1	165	114	15.2	0.696	0.0313	43.6	2505	4638	32.2%	0.8%	67.0%	11.7%	88.3%						29.0%		71.0%			
Car	5	1984	116	0.011	24.6	19.4	23.3	21.0	3327	110.3	148	109	14.7	0.748	0.0330	35.8	2334	3929	65.8%	2.6%	31.6%	18.2%	81.8%						68.4%		31.6%			
Car	5	1985	99	0.009	24.0	18.9	22.8	20.5	3360	110.2	151	117	13.9	0.788	0.0352	34.9	2265	3837	63.1%	4.1%	32.7%	15.6%	84.4%						67.3%		32.7%			
Car	5	1986	71	0.006	23.3	17.9	22.7	19.8	3035	111.0	136	116	12.6	0.854	0.0383	30.2	2206	3357	84.9%	12.6%	2.5%	28.4%	71.6%						97.5%		2.5%			
Car	5	1987	45	0.004	23.9	18.3	23.0	20.2	3095	110.7	139	127	12.1	0.914	0.0409	31.7	2253	3499	70.4%	24.0%	5.6%	36.5%	63.5%						94.4%		5.6%			
Car	5	1988	19	0.002	24.3	18.4	23.7	20.5	3047	104.6	140	129	11.8	0.920	0.0422	31.5	2155	3289	60.5%	36.0%	3.5%	56.1%	43.9%						96.5%		3.5%			
Car	5	1989	16	0.002	23.8	18.0	22.8	20.0	3416	108.5	140	135	12.0	0.969	0.0398	34.3	2174	3726	86.8%	10.9%	2.3%	29.2%	70.8%						97.7%		2.3%			
Car	5	1990	18	0.002	23.9	18.0	22.8	20.0	3407	105.1	141	138	11.1	0.980	0.0406	34.4	2125	3630	74.5%	19.0%	6.5%	30.8%	69.2%						93.5%		6.5%	13.1%		
Car	5	1991	15	0.002	24.5	18.1	24.0	20.6	3460	106.7	142	141	11.1	1.002	0.0407	36.2	2230	3871	69.0%	16.4%	14.6%	24.5%	20.3%	55.2%					85.4%		14.6%	13.8%		
Car	5	1992	27	0.003	26.1	19.2	25.1	21.7	3497	100.9	150	170	9.6	1.135	0.0486	38.3	2211	3867	88.6%	1.1%	10.3%	17.1%	10.3%	72.5%					89.7%		10.3%	86.6%		
Car	5	1993	41	0.005	27.1	19.5	26.7	22.5	3509	108.2	149	169	9.0	1.133	0.0481	39.6	2446	4290	93.3%	1.8%	4.9%	15.7%	4.9%	79.4%					100.0%			95.1%	67.1%	
Car	5	1994	54	0.006	26.1	18.7	25.8	21.7	3504	114.7	147	184	8.6	1.252	0.0524	38.0	2491	4364	99.1%	0.9%		9.8%		90.2%					100.0%			100.0%	54.9%	
Car	5	1995	60	0.006	26.5	18.7	26.5	22.0	3512	118.6	147	185	8.8	1.271	0.0528	38.6	2610	4580	97.6%	2.4%		8.7%		91.3%					100.0%			100.0%	66.1%	
Car	5	1996	84	0.011	26.3	18.5	25.9	21.7	3500	115.6	148	180	9.2	1.221	0.0515	38.0	2514	4399	100.0%			4.8%		95.2%					100.0%			100.0%	53.2%	
Car	5	1997	51	0.006	26.2	18.3	25.8	21.6	3500	117.1	148	181	9.1	1.224	0.0518	37.8	2533	4433	100.0%			3.2%		96.8%					100.0%			100.0%	46.9%	
Car	5	1998	97	0.012	25.7	17.9	25.0	21.1	3609	120.1	148	185	9.3	1.251	0.0514	38.0	2530	4572	78.6%	21.4%		3.3%		96.7%					100.0%			100.0%	50.9%	
Car	5	1999	64	0.008	26.2	18.2	25.3	21.4	3663	121.2	149	180	9.6	1.213	0.0492	39.2	2599	4752	72.6%	27.4%		2.6%		97.4%					100.0%			100.0%	51.9%	
Car	5	2000	60	0.007	26.0	17.9	25.1	21.2	3667	121.3	148	182	8.9	1.233	0.0497	38.8	2572	4711	74.9%	25.1%		1.9%		98.1%					100.0%			100.0%	100.0%	
Car	5	2001	82	0.010	25.9	18.0	24.2	20.9	3745	121.3	148	195	8.4	1.322	0.0522	39.4	2546	4765	67.1%	32.9%		2.6%		97.4%					100.0%			100.0%	100.0%	
Car	5	2002	77	0.009	27.0	18.4	25.5	21.8	3769	118.8	148	191	8.7	1.287	0.0507	41.0	2584	4881	73.2%	26.8%		1.7%		98.3%					100.0%			100.0%	100.0%	
Car	5	2003	36	0.005	26.8	18.1	25.6	21.6	3778	118.7	150	191	8.6	1.270	0.0506	40.9	2572	4866	64.5%	25.1%	10.3%	4.0%		96.0%					100.0%			100.0%	100.0%	
Car	5	2004	110	0.015	26.8	18.0	25.4	21.6	3804	119.2	152	199	8.6	1.312	0.0524	41.1	2571	4896	62.4%	37.6%		3.8%		96.2%					100.0%			100.0%	100.0%	
Car	5	2005	134	0.017	27.6	18.3	26.1	22.1	3656	113.9	152	183	8.8	1.202	0.0498	40.4	2513	4602	76.3%	23.7%		11.2%		88.8%					100.0%			100.0%	67.3%	
Car	5	2006	190	0.024	28.5	18.8	27.2	22.8	3562	107.4	152	171	9.0	1.130	0.0480	40.6	2445	4366	86.1%	13.9%		11.3%		88.7%					100.0%			100.0%	39.2%	
Car	5	2007	201	0.025	28.6	18.9	27.2	22.9	3541	107.1	151	166	9.2	1.096	0.0468	40.5	2447	4336	89.0%	11.0%		12.7%		87.3%					100.0%			100.0%	22.8%	
Car	5	2008	175	0.024	29.5	19.5	28.0	23.6	3473	104.5	151	174	8.8	1.148	0.0500	40.9	2463	4275	98.0%	2.0%		14.2%		85.8%					100.0%			100.0%	16.1%	
Car	5	2009	120	0.021	29.5	19.6	27.8	23.5	3463	104.1	151	173	8.6	1.140	0.0498	40.7	2449	4239	98.0%	2.0%		13.7%		86.3%					100.0%			100.0%	21.8%	
Car	5	2010	103	0.017	30.8	20.5	28.5	24.4	3430	105.5	151	169	8.8	1.123	0.0494	41.9	2577	4424	99.2%	0.8%		8.9%		91.1%					100.0%			100.0%	100.0%	
Car	5	2011	113	0.020	32.3	23.0	30.9	26.9	3531	108.4	151	179	8.6	1.182	0.0506	47.6	2927	5156	100.0%			9.0%		91.0%					100.0%			100.0%	93.3%	
Car	5	2012	233	0.032	31.8	22.1	30.5	26.2	3575	110.2	152	180	8.6	1.183	0.0501	46.9	2895	5161	99.8%	0.2%		6.9%		93.1%				0.2%	99.8%			100.0%	100.0%	
Car	5	2013	239	0.029	31.9	22.2	30.2	26.1	3559	110.1	152	180	8.6	1.186	0.0504	46.5	2887	5128	96.1%	3.9%		4.1%		95.9%				0.2%	99.8%			100.0%	100.0%	
Car	5	2014	43	0.006	31.6	21.7	29.7	25.6	3640	108.0	152	192	8.4	1.264	0.0525	46.7	2777	5045	92.9%	7.1%		2.8%		97.2%					100.0%			100.0%	100.0%	
Car	5	2015	9	0.001	30.4	20.2	27.9	24.0	4000	108.7	154	250	7.3	1.625	0.0625	47.9	2605	5211		100.0%				100.0%					100.0%			100.0%	100.0%	
Car	5	2016	5	0.001	30.7	20.4	28.0	24.1	4000	107.7	154	250	7.3	1.625	0.0625	48.2	2598	5196		100.0%				100.0%					100.0%			100.0%	100.0%	
Car	5	2017	-	0.000	28.4	18.9	28.4	23.4	4000	96.5	151	394	5.4	2.603	0.0985	46.8	2258	4516		100.0%				100.0%				100.0%				100.0%	100.0%	

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	6	1975	1533	0.186	18.4	14.6	17.2	15.7	3625		225	105		0.485	0.0295	28.5					100.0%	19.3%	80.7%	0.1%			91.7%		8.3%					
Car	6	1976	1935	0.199	19.3	15.4	17.9	16.4	3716		231	100		0.445	0.0273	30.6					100.0%	15.2%	84.8%				95.3%		4.7%					
Car	6	1977	1851	0.164	19.6	15.6	18.2	16.7	3753	106.6	229	105		0.471	0.0284	31.4	1782	3364			100.0%	11.9%	88.1%				93.3%		6.7%					
Car	6	1978	2325	0.208	20.2	15.9	19.2	17.2	3482	108.6	221	107	14.8	0.495	0.0311	30.0	1878	3273			100.0%	9.1%	82.7%	8.3%			94.7%		5.3%					
Car	6	1979	2187	0.203	20.4	16.1	19.2	17.4	3421	108.8	218	109	15.1	0.508	0.0320	29.7	1893	3245	0.5%		99.5%	9.1%	82.7%	8.2%			93.1%		6.9%					
Car	6	1980	2644	0.280	21.6	16.9	20.6	18.4	3332	111.0	213	110	15.0	0.530	0.0334	30.7	2050	3411	22.0%	1.5%	76.5%	8.2%	66.1%	25.7%			95.5%		4.3%		0.2%			
Car	6	1981	2394	0.274	22.6	17.6	21.7	19.2	3382	111.6	215	110	15.2	0.522	0.0328	32.6	2153	3650	14.2%	0.8%	85.0%	5.4%	35.8%	58.8%			92.9%		6.8%		0.3%			
Car	6	1982	2080	0.266	23.0	17.7	22.5	19.6	3404	112.9	214	114	15.8	0.548	0.0338	33.5	2230	3802	19.5%	1.1%	79.4%	5.3%	5.4%	89.3%			79.6%		9.8%	8.0%	2.6%			
Car	6	1983	1858	0.232	23.8	18.3	23.5	20.3	3373	111.0	211	116	14.3	0.565	0.0346	34.3	2265	3824	22.4%	1.7%	75.9%	6.6%	3.3%	90.1%			85.7%		12.3%		2.0%			
Car	6	1984	2455	0.230	24.1	18.5	23.8	20.5	3364	111.3	205	117	14.1	0.586	0.0350	34.6	2291	3854	31.5%	0.9%	67.6%	6.1%	1.9%	91.9%			68.8%		21.0%	8.8%	1.4%			
Car	6	1985	2498	0.232	24.1	18.2	24.3	20.6	3387	111.8	206	124	13.3	0.617	0.0368	34.8	2304	3902	48.6%	0.0%	51.4%	6.3%	1.0%	92.7%			36.7%		41.1%	21.6%	0.6%			
Car	6	1986	2694	0.245	24.9	18.7	25.5	21.2	3377	112.0	200	134	12.0	0.683	0.0398	35.9	2392	4046	63.4%	0.3%	36.3%	6.9%	2.1%	91.1%			19.6%		64.7%	15.4%	0.3%	1.1%		
Car	6	1987	2489	0.232	25.1	18.5	26.1	21.4	3414	112.9	198	143	11.7	0.733	0.0419	36.5	2423	4139	73.0%	0.2%	26.8%	7.9%	2.9%	89.2%			2.5%		88.8%	7.9%	0.8%	4.1%		
Car	6	1988	2985	0.278	25.9	18.9	26.8	21.9	3397	113.6	193	142	11.8	0.744	0.0418	37.4	2505	4258	83.8%	0.2%	16.0%	5.8%	1.7%	92.5%			0.1%		97.6%	2.3%		6.3%		
Car	6	1989	3157	0.315	25.7	18.6	26.6	21.7	3424	114.8	194	146	11.3	0.762	0.0429	37.2	2502	4282	84.1%	0.3%	15.6%	5.0%	2.0%	93.0%					99.8%	0.2%		6.8%		
Car	6	1990	2989	0.339	25.4	18.3	26.4	21.5	3504	114.0	197	150	10.5	0.773	0.0431	37.7	2458	4306	86.3%	0.1%	13.6%	3.9%	1.8%	94.3%					99.8%	0.1%	0.0%	8.5%		
Car	6	1991	2635	0.309	25.3	18.2	26.0	21.3	3490	113.6	197	156	10.4	0.796	0.0448	37.2	2430	4241	87.8%	0.4%	11.8%	4.3%	2.0%	93.7%					99.9%		0.1%	10.0%	0.6%	
Car	6	1992	3067	0.378	25.4	18.0	26.2	21.3	3500	114.3	199	158	10.1	0.810	0.0454	37.3	2442	4275	88.6%	1.3%	10.1%	4.2%	2.7%	93.1%					99.9%	0.1%	0.0%	14.2%	3.1%	
Car	6	1993	3255	0.385	25.8	18.3	26.2	21.5	3488	113.9	199	158	9.4	0.805	0.0454	37.6	2462	4295	88.2%	0.3%	11.4%	4.3%	1.9%	93.8%					100.0%	0.0%		18.1%	2.6%	
Car	6	1994	3127	0.372	25.6	18.0	26.0	21.3	3534	113.2	198	159	9.3	0.812	0.0451	37.7	2419	4275	86.4%	0.2%	13.4%	4.3%	1.5%	94.2%					100.0%		0.0%	20.7%	2.2%	
Car	6	1995	3667	0.390	26.0	18.2	26.6	21.7	3532	113.1	195	172	9.1	0.888	0.0487	38.3	2457	4337	87.4%	0.2%	12.4%	4.4%	1.7%	93.9%					99.8%		0.2%	29.8%	6.7%	
Car	6	1996	3020	0.383	26.1	18.1	26.5	21.6	3552	113.6	194	172	9.5	0.894	0.0485	38.4	2461	4373	88.9%	0.7%	10.5%	4.4%	1.3%	94.3%					99.9%		0.1%	34.1%	8.3%	
Car	6	1997	3006	0.361	25.9	17.8	26.3	21.4	3574	114.5	197	179	9.3	0.918	0.0502	38.3	2458	4396	87.8%	0.6%	11.6%	3.5%	0.1%	96.5%					99.9%		0.1%	35.7%	9.8%	
Car	6	1998	3090	0.388	26.2	17.9	26.5	21.6	3542	113.3	194	180	9.5	0.934	0.0507	38.3	2451	4345	87.8%	1.1%	11.2%	4.0%	0.1%	96.0%					99.9%		0.1%	36.9%	13.3%	
Car	6	1999	3589	0.428	26.2	17.8	26.2	21.5	3577	113.2	192	187	9.3	0.980	0.0521	38.5	2439	4367	87.9%	1.1%	11.0%	4.0%	0.2%	95.8%					99.9%		0.1%	50.1%	16.2%	
Car	6	2000	3910	0.428	26.3	17.8	26.2	21.5	3585	113.9	191	189	8.8	1.001	0.0528	38.6	2460	4413	85.7%	1.0%	13.3%	5.0%	0.1%	94.9%					100.0%			51.9%	22.8%	
Car	6	2001	3464	0.412	26.3	17.8	26.0	21.5	3587	112.9	191	194	8.5	1.025	0.0540	38.6	2434	4366	82.1%	3.1%	14.8%	4.9%	0.2%	94.9%					100.0%			51.3%	25.0%	
Car	6	2002	3273	0.394	26.6	17.9	25.9	21.6	3606	114.0	195	200	8.5	1.036	0.0555	39.0	2472	4456	83.3%	4.0%	12.6%	3.8%	0.2%	96.0%	0.1%				100.0%			53.5%	23.6%	
Car	6	2003	3118	0.394	26.8	17.9	26.2	21.7	3602	112.3	194	201	8.4	1.040	0.0558	39.2	2449	4411	77.7%	3.7%	18.6%	5.3%		94.5%	0.2%				100.0%			52.8%	31.8%	
Car	6	2004	3087	0.410	26.6	17.6	25.8	21.5	3692	113.5	199	209	8.3	1.061	0.0567	39.7	2448	4525	76.9%	6.6%	16.5%	4.5%	0.1%	95.3%	0.1%				100.0%			58.9%	33.6%	
Car	6	2005	2927	0.365	26.7	17.6	25.8	21.5	3777	115.9	202	214	8.2	1.066	0.0566	40.7	2503	4736	72.4%	7.1%	20.6%	3.1%	0.0%	95.4%	1.4%				99.8%		0.2%	58.5%	33.0%	0.7%
Car	6	2006	3068	0.384	26.8	17.7	25.7	21.5	3837	115.5	203	225	8.0	1.119	0.0588	41.4	2494	4798	63.8%	7.2%	28.9%	3.7%	0.1%	94.6%	1.6%				99.8%		0.2%	67.2%	52.5%	0.1%
Car	6	2007	2669	0.330	26.8	17.7	25.9	21.6	3885	114.1	206	233	7.9	1.140	0.0601	42.1	2474	4817	66.7%	9.4%	23.9%	3.1%		93.1%	3.9%				99.9%		0.1%	67.0%	66.5%	0.3%
Car	6	2008	2402	0.328	27.0	17.7	26.2	21.7	3943	113.5	206	242	7.8	1.184	0.0615	43.0	2475	4889	60.4%	12.6%	26.9%	2.8%		93.9%	3.3%			3.0%	96.8%		0.2%	73.0%	64.3%	0.0%
Car	6	2009	1332	0.236	27.2	17.9	26.4	21.9	3972	112.4	208	252	7.4	1.214	0.0634	43.7	2475	4922	57.8%	14.2%	28.0%	2.2%	0.3%	92.5%	5.0%			9.3%	90.5%		0.2%	76.2%	83.1%	0.0%
Car	6	2010	1406	0.232	27.3	17.9	26.3	21.9	3979	112.5	208	257	7.4	1.246	0.0648	43.7	2475	4929	50.0%	14.9%	35.1%	2.4%	0.3%	91.7%	5.7%			17.1%	82.8%		0.1%	84.1%	84.9%	0.1%
Car	6	2011	1510	0.263	28.0	18.4	26.8	22.4	4013	111.4	207	266	7.2	1.288	0.0663	45.1	2506	5034	48.1%	18.0%	33.9%	2.6%	0.5%	91.9%	4.9%			20.8%	78.5%		0.7%	86.5%	97.4%	0.0%
Car	6	2012	1338	0.181	28.4	18.6	27.5	22.8	3994	112.6	211	284	6.8	1.350	0.0712	45.6	2575	5142	51.2%	16.4%	32.3%	2.4%	0.9%	90.5%	6.2%			38.6%	61.2%		0.2%	100.0%	99.8%	0.1%
Car	6	2013	1395	0.170	29.0	18.9	28.1	23.2	4024	112.4	213	295	6.6	1.385	0.0734	46.9	2623	5279	49.1%	18.3%	32.6%	2.3%	1.1%	91.0%	5.6%			42.1%	57.8%		0.1%	100.0%	99.9%	0.3%
Car	6	2014	1397	0.183	29.3	19.1	28.2	23.4	4059	112.0	212	296	6.6	1.398	0.0731	47.7	2631	5345	43.3%	19.1%	37.6%	2.3%	1.6%	90.2%	5.9%			46.5%	52.8%		0.8%	100.0%	98.3%	0.5%
Car	6	2015	1196	0.151	29.5	19.1	28.4	23.5	4058	113.8	211	296	6.5	1.408	0.0732	47.9	2691	5460	37.7%	24.8%	37.5%	1.9%	2.2%	88.5%	7.4%			44.5%	55.2%		0.3%	100.0%	98.5%	0.2%
Car	6	2016	1012	0.142	29.9	19.4	28.5	23.7	4049	114.5	212	300	6.5	1.425	0.0743	48.2			43.8%	24.2%	32.0%	1.9%	2.1%	81.5%	14.5%			41.6%	58.1%		0.3%	100.0%	99.7%	0.2%
Car	6	2017	-	0.133	30.1	19.5	28.5	23.8	4044	113.6	209	307	6.3	1.487	0.0762	48.3			46.3%	28.1%	25.6%	2.1%	1.7%	81.0%	15.2%			47.6%	52.4%			100.0%	99.4%	0.5%

					Fuel Economy (MPG)				Weight	Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	8	1975	4840	0.588	13.4	10.5	12.9	11.5	4732		376	167		0.446	0.0354	27.3			1.7%		98.3%	1.6%	98.4%				99.3%		0.7%					
Car	8	1976	5729	0.589	15.1	11.9	14.4	12.9	4689		368	165		0.448	0.0352	30.3			2.0%		98.0%	1.2%	98.8%				98.6%		1.4%					
Car	8	1977	7132	0.631	16.2	12.7	15.3	13.8	4450	119.0	348	158		0.455	0.0356	30.8	1651	3665	1.8%		98.2%	1.0%	99.0%				98.9%		1.1%					
Car	8	1978	5882	0.526	17.2	13.4	16.7	14.7	4166	119.2	336	154	12.8	0.460	0.0371	30.8	1777	3680	2.1%		97.9%	1.2%	89.3%	9.5%			97.5%		1.9%		0.6%			
Car	8	1979	5354	0.496	17.6	13.8	16.7	15.0	4060	120.6	324	149	13.2	0.460	0.0368	30.6	1826	3698	3.7%		96.3%	1.4%	85.7%	12.9%			95.3%		2.2%		2.6%			
Car	8	1980	2169	0.230	19.1	14.7	18.7	16.3	3920	120.6	309	135	14.2	0.439	0.0346	32.4	1999	3939	7.6%		92.4%	0.8%	58.7%	40.5%			85.8%		1.4%	3.0%	9.8%			
Car	8	1981	1778	0.204	20.2	15.4	20.3	17.3	3973	123.0	307	133	14.3	0.440	0.0337	34.9	2168	4331	8.8%		91.2%	1.1%	18.6%	80.4%			69.5%		0.8%	13.0%	16.8%			
Car	8	1982	1377	0.176	20.3	15.3	20.7	17.3	3940	123.4	305	139	14.7	0.457	0.0355	34.6	2169	4320	5.5%		94.5%	3.9%	5.3%	90.8%			77.9%		1.3%	9.1%	11.7%			
Car	8	1983	1859	0.232	20.1	15.1	20.6	17.2	3946	125.0	298	143	13.0	0.482	0.0364	34.0	2154	4274	9.6%		90.4%	3.5%	1.0%	95.5%			62.4%		1.0%	34.4%	2.2%			
Car	8	1984	2316	0.217	20.3	15.3	20.9	17.4	3914	122.3	300	144	12.8	0.483	0.0371	34.1	2130	4202	9.3%		90.7%	3.2%	1.0%	95.8%			61.7%		5.2%	32.5%	0.7%			
Car	8	1985	2229	0.207	21.7	16.3	22.4	18.6	3895	122.8	296	151	12.3	0.509	0.0389	36.2	2284	4471	18.2%		81.8%	2.5%	1.6%	96.0%			52.5%		5.1%	42.4%	0.1%			
Car	8	1986	1651	0.150	22.5	16.7	23.4	19.2	3813	120.2	299	153	11.5	0.511	0.0403	36.6	2315	4440	12.2%		87.8%	4.3%	2.5%	93.2%			51.6%		36.2%	12.2%		0.2%		
Car	8	1987	1387	0.129	22.2	16.4	22.9	18.9	3846	120.2	299	156	11.6	0.520	0.0407	36.3	2278	4406	14.2%		85.8%	4.4%	3.2%	92.4%			44.1%		42.0%	13.9%		0.2%		
Car	8	1988	1247	0.116	22.6	16.5	23.4	19.2	3854	121.5	301	164	11.4	0.544	0.0430	37.0	2338	4540	16.4%		83.6%	6.2%	2.4%	91.5%			23.8%		56.4%	19.8%		0.2%		
Car	8	1989	1071	0.107	22.7	16.5	23.6	19.2	3831	121.5	300	160	11.0	0.535	0.0423	36.9	2343	4523	21.2%		78.8%	7.2%	2.5%	90.3%			9.1%		54.0%	36.9%		0.2%		
Car	8	1990	812	0.092	22.3	16.1	23.3	18.9	3947	121.4	294	173	10.0	0.597	0.0441	37.3	2300	4568	28.4%		71.6%	6.7%	1.9%	91.4%			4.0%		85.9%	10.1%		7.8%	6.6%	
Car	8	1991	905	0.106	22.8	16.3	23.7	19.2	3947	122.0	298	198	9.2	0.669	0.0504	37.9	2351	4673	20.5%	0.1%	79.5%	5.1%	2.2%	92.7%					70.9%	29.1%		7.4%	6.4%	
Car	8	1992	951	0.117	22.9	16.3	23.8	19.3	4006	124.1	295	208	8.8	0.714	0.0523	38.7	2407	4848	21.9%	0.0%	78.1%	3.7%	2.0%	94.3%					78.6%	21.4%		8.4%	8.9%	
Car	8	1993	791	0.094	22.8	16.0	23.8	19.1	4010	123.8	296	215	8.2	0.736	0.0542	38.5	2382	4806	23.2%	0.0%	76.8%	5.3%	1.9%	92.8%					84.7%	15.3%		16.6%	7.3%	
Car	8	1994	933	0.111	22.9	16.1	23.7	19.2	3989	121.2	292	225	7.9	0.776	0.0566	38.3	2331	4679	19.3%	0.0%	80.7%	6.1%	1.6%	92.3%					100.0%			21.9%	7.2%	
Car	8	1995	1014	0.108	22.9	15.9	23.8	19.1	4005	120.3	289	230	7.9	0.803	0.0575	38.3	2307	4643	24.1%		75.9%	6.5%	2.1%	91.4%					100.0%			26.5%	6.8%	
Car	8	1996	775	0.098	23.3	16.1	24.1	19.4	4018	122.9	289	241	8.0	0.841	0.0602	39.0	2385	4817	27.9%		72.1%	6.7%		93.3%					100.0%			36.2%	5.4%	
Car	8	1997	780	0.094	23.2	16.0	23.7	19.3	4001	122.2	279	248	7.9	0.891	0.0620	38.6	2357	4720	28.3%	0.3%	71.5%	5.2%		94.8%					100.0%			44.7%	12.8%	
Car	8	1998	672	0.084	23.1	15.9	23.3	19.1	3971	117.5	281	256	7.9	0.918	0.0648	38.0	2251	4487	32.5%	0.3%	67.2%	7.2%	0.0%	92.8%					100.0%			52.6%	15.5%	
Car	8	1999	666	0.079	23.2	15.8	23.5	19.2	3968	119.0	283	251	8.0	0.890	0.0635	38.1	2285	4551	31.4%	0.3%	68.2%	7.8%	0.1%	92.1%					100.0%			44.8%	8.5%	
Car	8	2000	743	0.081	23.3	15.8	23.4	19.2	3986	117.5	281	277	7.1	0.989	0.0697	38.3	2264	4532	22.0%	0.8%	77.2%	8.2%		91.8%					100.0%			48.7%	11.3%	
Car	8	2001	673	0.080	23.4	15.8	23.5	19.2	3994	116.5	279	261	7.3	0.939	0.0657	38.4	2246	4507	24.1%	1.4%	74.6%	9.3%		90.7%					100.0%			53.5%	15.4%	
Car	8	2002	617	0.074	23.5	15.8	23.1	19.2	4002	109.8	281	270	7.2	0.965	0.0680	38.4	2112	4254	23.7%	1.0%	75.3%	11.0%		89.0%					100.0%			60.2%	17.3%	
Car	8	2003	625	0.079	23.3	15.6	23.0	19.0	4163	112.7	281	276	7.3	0.987	0.0672	39.6	2153	4535	16.2%	1.5%	82.3%	10.2%		89.8%					100.0%			53.9%	14.4%	
Car	8	2004	555	0.074	23.2	15.3	23.0	18.9	4181	113.3	282	277	7.3	0.984	0.0671	39.6	2151	4553	15.0%	4.8%	80.1%	10.2%		89.8%					100.0%			53.2%	21.1%	
Car	8	2005	574	0.072	23.2	15.4	22.7	18.8	4226	112.7	294	297	6.9	1.011	0.0713	39.9	2132	4558	11.2%	5.7%	83.1%	10.5%	0.2%	89.3%					100.0%			52.7%	30.4%	
Car	8	2006	673	0.084	22.8	15.1	22.5	18.6	4214	115.1	304	312	6.7	1.025	0.0747	39.2	2146	4559	17.4%	4.8%	77.8%	8.9%	0.4%	90.8%					100.0%			50.2%	28.6%	
Car	8	2007	514	0.064	22.7	14.9	22.5	18.5	4232	111.3	305	324	6.6	1.063	0.0775	39.2	2064	4413	15.5%	5.7%	78.7%	13.4%	0.2%	86.4%					100.0%			59.3%	31.8%	
Car	8	2008	466	0.064	22.4	14.8	22.2	18.3	4265	112.1	305	324	6.7	1.066	0.0770	39.1	2058	4429	14.7%	6.0%	79.3%	13.4%	0.6%	86.0%				4.6%	95.4%			57.2%	33.7%	0.5%
Car	8	2009	237	0.042	22.3	14.7	22.0	18.1	4288	109.7	312	348	6.2	1.118	0.0820	39.1	2005	4341	9.5%	7.7%	82.9%	14.0%	1.1%	84.9%				6.0%	94.0%			53.2%	50.3%	0.1%
Car	8	2010	283	0.047	23.3	15.3	23.2	19.0	4274	109.8	324	365	6.1	1.129	0.0864	40.7	2097	4513	6.0%	10.1%	84.0%	22.2%	1.1%	76.7%	0.0%			9.0%	91.0%			44.7%	61.2%	0.0%
Car	8	2011	288	0.050	23.3	15.3	23.2	19.0	4343	111.3	316	374	6.1	1.189	0.0872	41.3	2123	4642	6.5%	12.1%	81.4%	15.4%	2.4%	82.1%	0.0%			22.0%	78.0%			53.4%	58.1%	0.2%
Car	8	2012	214	0.029	23.4	15.3	23.3	19.0	4357	106.7	322	424	5.3	1.338	0.0980	41.6	2039	4486		16.2%	83.8%	20.0%	2.8%	77.2%	0.0%			35.6%	64.4%			59.5%	83.8%	0.1%
Car	8	2013	230	0.028	23.4	15.3	23.6	19.1	4365	104.2	322	437	5.3	1.390	0.1009	41.9	1999	4421		18.3%	81.7%	21.4%	3.8%	74.7%	0.0%			33.9%	66.1%			56.4%	83.2%	0.0%
Car	8	2014	253	0.033	24.0	15.6	24.3	19.6	4287	100.4	326	436	5.2	1.368	0.1029	42.1	1965	4298		18.7%	81.3%	21.4%	2.9%	75.7%	0.0%			45.5%	54.5%			52.1%	92.3%	0.0%
Car	8	2015	253	0.032	23.7	15.4	24.2	19.4	4337	101.3	327	450	5.0	1.402	0.1049	42.3	1975	4363		15.2%	84.8%	22.9%	2.4%	74.7%	0.0%			44.3%	55.7%			55.2%	94.9%	0.2%
Car	8	2016	239	0.034	23.8	15.4	24.5	19.5	4295	98.6	335	466	4.9	1.413	0.1097	42.1	1934	4233		13.8%	86.2%	21.3%	1.7%	77.1%	0.0%			47.4%	52.6%			44.4%	99.1%	0.0%
Car	8	2017	-	0.030	23.8	15.4	24.2	19.4	4313	97.3	330	463	4.9	1.430	0.1084	42.1	1902	4180		14.3%	85.7%	25.4%	1.8%	72.8%				49.9%	50.1%			49.7%	92.4%	

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car	Other	1975	2	0.000	11.5	8.8	11.4	9.8	4500		326	285		0.874	0.0633	22.1					100.0%		100.0%						100.0%					
Car	Other	1976	2	0.000	11.0	8.5	10.7	9.4	4500		326	244		0.748	0.0542	21.1					100.0%		100.0%						100.0%					
Car	Other	1977	2	0.000	11.2	8.7	10.9	9.6	4445	91.6	326	244		0.748	0.0550	21.3	878	1948			100.0%	10.9%	89.1%						100.0%					
Car	Other	1978	1	0.000	11.4	9.0	10.7	9.7	4500	93.4	326	268	8.6	0.822	0.0595	21.8	906	2038			100.0%		100.0%						100.0%					
Car	Other	1979	1	0.000	11.0	8.8	10.2	9.4	4500	92.4	326	244	10.2	0.748	0.0542	21.1	866	1949			100.0%		100.0%						100.0%					
Car	Other	1980	0	0.000	13.1	9.9	13.3	11.2	4224	89.5	326	267	9.3	0.818	0.0633	24.1	1027	2157			100.0%	11.5%	88.5%				35.5%		64.5%					
Car	Other	1981																																
Car	Other	1982	1	0.000	16.5	12.4	17.0	14.1	4000	87.3	326	262	9.9	0.804	0.0655	28.3	1234	2468			100.0%		100.0%						100.0%					
Car	Other	1983	2	0.000	16.5	12.4	17.2	14.1	3989	86.5	325	264	9.0	0.813	0.0663	28.2	1226	2448			100.0%	2.2%	97.8%						100.0%					
Car	Other	1984	3	0.000	16.6	12.4	17.1	14.2	3997	84.9	326	263	9.0	0.806	0.0657	28.3	1204	2408			100.0%	0.6%	99.4%						100.0%					
Car	Other	1985	4	0.000	16.5	12.4	16.9	14.1	4000	84.1	325	265	8.8	0.816	0.0663	28.2	1189	2377			100.0%	2.8%	97.2%						100.0%					
Car	Other	1986	5	0.000	16.2	12.1	16.7	13.9	3996	82.5	325	270	8.3	0.833	0.0676	27.9	1157	2313			100.0%	6.4%	93.6%						100.0%			6.4%		
Car	Other	1987	3	0.000	16.7	12.5	16.7	14.2	3991	75.4	324	276	8.3	0.855	0.0692	28.7	1094	2186			100.0%	11.0%	89.0%						100.0%			11.0%		
Car	Other	1988	9	0.001	16.1	11.9	16.4	13.7	4157	94.0	318	280	8.5	0.884	0.0674	28.6	1302	2731			100.0%	5.4%	61.9%	32.7%					100.0%			5.4%		
Car	Other	1989	11	0.001	16.4	12.0	16.8	13.9	4310	85.4	318	279	8.4	0.880	0.0650	30.3	1204	2599			100.0%	3.9%	62.3%	33.8%					98.4%	1.6%		3.9%		
Car	Other	1990	9	0.001	16.8	12.2	17.2	14.2	4379	82.7	317	280	7.9	0.889	0.0642	31.2	1182	2589			100.0%	4.8%	58.2%	37.0%					100.0%			4.8%		
Car	Other	1991	7	0.001	16.6	12.0	17.3	14.1	4409	87.0	312	305	7.5	0.977	0.0695	31.1	1234	2727	1.6%		98.4%	12.2%	34.4%	53.4%					100.0%			5.3%		
Car	Other	1992	5	0.001	16.3	11.8	16.7	13.7	4459	87.2	334	317	7.3	0.949	0.0715	30.7	1191	2691		1.1%	98.9%	14.4%	61.2%	24.4%					100.0%			26.4%	20.6%	
Car	Other	1993	4	0.000	16.8	11.9	17.5	14.2	4412	81.0	377	364	6.0	0.981	0.0848	31.1	1131	2593		0.4%	99.6%	30.9%	43.3%	25.9%					100.0%			43.4%	40.5%	
Car	Other	1994	7	0.001	17.2	12.1	17.7	14.4	4158	70.8	407	354	5.8	0.878	0.0876	30.0	1009	2150		1.5%	98.5%	40.5%	22.7%	36.8%					100.0%			25.0%	24.9%	
Car	Other	1995	6	0.001	16.7	11.7	17.3	14.0	4432	82.3	390	373	6.0	0.975	0.0853	31.3	1160	2630		0.8%	99.2%	33.1%	36.4%	30.4%					100.0%			42.4%	53.5%	
Car	Other	1996	4	0.001	18.3	12.6	19.3	15.4	4131	79.8	408	382	5.7	0.950	0.0952	31.8	1233	2669		0.6%	99.4%	44.5%		55.5%					100.0%			26.9%	55.5%	
Car	Other	1997	4	0.001	17.1	11.5	18.8	14.5	4218	75.6	403	405	5.6	1.018	0.0992	30.8	1112	2459		1.8%	98.2%	40.8%		59.2%					100.0%			47.2%	61.6%	
Car	Other	1998	4	0.000	17.5	11.9	18.6	14.7	4223	79.4	388	395	5.9	1.027	0.0963	31.4	1198	2626		2.9%	97.1%	37.0%		63.0%					100.0%			39.7%	67.2%	
Car	Other	1999	3	0.000	16.1	10.9	17.2	13.5	4274	75.2	394	412	5.8	1.062	0.1002	29.4	1044	2364		5.2%	94.8%	47.1%		52.9%					100.0%			45.8%	58.9%	
Car	Other	2000	4	0.000	16.4	10.9	17.8	13.8	4150	71.5	405	412	5.3	1.033	0.1032	28.9	1001	2188			100.0%	56.6%		43.4%					100.0%			53.9%	33.8%	
Car	Other	2001	6	0.001	17.5	11.6	18.8	14.7	4239	86.4	389	398	5.5	1.034	0.0968	32.1	1347	2983		2.7%	97.3%	39.7%		60.3%					100.0%			56.7%	21.8%	
Car	Other	2002	4	0.000	17.6	11.5	19.0	14.7	4126	80.7	399	410	5.4	1.042	0.1021	31.0	1247	2683		2.4%	97.6%	41.0%		59.0%					100.0%			65.1%	11.1%	
Car	Other	2003	5	0.001	17.0	11.2	18.2	14.2	4101	82.0	408	483	4.7	1.216	0.1206	29.7	1199	2594		1.6%	98.4%	49.4%		50.6%					100.0%			63.2%	22.4%	
Car	Other	2004	8	0.001	16.3	10.6	17.3	13.6	4322	74.1	391	496	4.8	1.311	0.1194	29.8	1034	2398		32.5%	67.5%	37.6%		62.4%					100.0%			100.0%	49.5%	
Car	Other	2005	10	0.001	16.3	10.7	17.1	13.6	4630	82.2	385	524	4.8	1.390	0.1164	31.6	1124	2717		37.1%	62.9%	24.9%		75.1%					100.0%			83.5%	80.0%	
Car	Other	2006	16	0.002	16.5	10.7	17.3	13.7	4628	98.1	358	515	4.9	1.468	0.1142	31.7	1347	3182		31.2%	68.8%	12.1%		87.9%					100.0%			88.7%	89.4%	
Car	Other	2007	17	0.002	16.7	10.9	17.3	13.9	4907	101.2	338	525	5.1	1.557	0.1084	34.1	1419	3511		41.6%	58.4%	5.1%		94.9%					100.0%			100.0%	68.3%	
Car	Other	2008	14	0.002	16.8	11.0	17.5	13.9	4646	94.5	353	531	4.9	1.528	0.1174	32.5	1324	3129		39.7%	60.3%	18.5%		81.5%				12.9%	87.1%			90.1%	78.5%	
Car	Other	2009	5	0.001	17.3	11.4	17.8	14.3	4680	85.6	370	541	4.7	1.489	0.1193	33.5	1223	2957		33.8%	66.2%	19.0%	2.8%	78.2%				15.2%	84.8%			88.6%	58.4%	
Car	Other	2010	5	0.001	17.4	11.4	17.9	14.4	4807	91.7	365	535	4.8	1.487	0.1149	34.8	1336	3305	0.1%	39.2%	60.7%	13.0%	12.6%	74.4%				33.0%	67.0%			92.7%	93.0%	
Car	Other	2011	14	0.003	43.8	30.2	40.3	35.2	3937	101.2	356	251	8.5	1.548	0.0580	125.6	7523	13541	59.2%	16.6%	24.2%	4.2%	17.0%	78.8%				18.4%	14.2%			32.5%	27.7%	
Car	Other	2012	23	0.003	48.9	33.8	44.9	39.3	4008	106.6	360	256	7.2	1.531	0.0585	138.4	8333	15435	53.8%	30.5%	15.6%	1.8%	15.3%	82.9%				11.2%	15.7%			26.9%	23.0%	
Car	Other	2013	54	0.007	90.3	66.0	73.5	70.1	3923	112.0	398	227	7.9	1.500	0.0544	183.8	11002	21080	57.0%	37.1%	5.9%	1.6%	35.0%	63.2%	0.2%			3.0%	5.3%			6.7%	8.3%	
Car	Other	2014	50	0.007	72.1	51.3	62.6	57.2	3973	105.6	384	263	7.1	1.548	0.0624	170.1	9655	18700	39.6%	11.6%	48.8%	1.9%	53.8%	44.3%				5.0%	8.9%			12.2%	13.8%	0.1%
Car	Other	2015	85	0.011	100.4	72.5	78.7	75.9	3897	108.5	372	227	7.6	1.598	0.0541	190.9	11017	21328	59.5%	25.9%	14.6%	0.5%	39.8%	59.7%				2.3%	4.7%			6.6%	7.0%	
Car	Other	2016	69	0.010	92.4	65.6	74.9	70.6	4173	110.4	385	261	7.0	1.536	0.0585	198.7	10868	22509	47.9%	32.2%	19.9%	0.8%	53.1%	45.0%	1.1%			2.3%	7.4%			7.7%	8.5%	
Car	Other	2017	-	0.018	107.4	76.8	82.0	79.6	3988	109.7	374	214	7.0	1.638	0.0518	206.3	11673	23157	57.1%	14.1%	28.8%	0.5%	60.9%	36.8%	1.7%			1.8%	6.9%			5.9%	6.3%	0.0%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	4	1975	6	0.614	12.0	9.0	12.2	10.2	4000		257	110		0.428	0.0275	20.5					100.0%	100.0%					100.0%							
Car SUV	4	1976																																
Car SUV	4	1977																																
Car SUV	4	1978																																
Car SUV	4	1979	9	0.583	20.8	17.5	17.7	17.6	2750		121	80	17.8	0.661	0.0291	24.2					100.0%		100.0%				100.0%							
Car SUV	4	1980	0	0.022	17.0	14.1	14.8	14.4	4000		196	77	21.0	0.393	0.0193	28.8					100.0%	100.0%					100.0%							
Car SUV	4	1981																																
Car SUV	4	1982	11	0.865	23.6	20.7	19.1	19.9	2500		151	84	17.5	0.556	0.0336	24.9					100.0%		100.0%				100.0%							
Car SUV	4	1983	14	0.407	23.4	20.3	19.1	19.7	2577		148	87	15.8	0.590	0.0341	25.6					100.0%	5.5%	92.3%	2.2%			100.0%							
Car SUV	4	1984	4	0.074	23.8	20.2	20.0	20.1	2622		143	91	15.2	0.636	0.0349	26.9					100.0%	24.5%	75.5%				100.0%							
Car SUV	4	1985	8	0.094	25.0	20.0	22.9	21.2	3284		151	98	15.7	0.648	0.0301	35.0					100.0%	50.3%		49.7%			43.2%			56.8%				
Car SUV	4	1986	8	0.143	26.0	20.4	24.3	22.0	3364		150	107	14.3	0.710	0.0320	37.1					100.0%	54.4%		45.6%						99.8%	0.2%			
Car SUV	4	1987	7	0.069	25.6	19.8	24.3	21.7	3381		151	100	15.1	0.665	0.0299	36.7					100.0%	61.2%		38.8%						100.0%				
Car SUV	4	1988	4	0.038	26.2	20.1	24.8	22.0	3363		151	102	14.9	0.677	0.0306	37.2					100.0%	60.8%		39.2%						100.0%				
Car SUV	4	1989	5	0.050	22.7	17.6	21.1	19.1	3445		150	113	13.1	0.750	0.0328	32.9					100.0%	96.8%		3.2%			28.3%		56.6%	15.1%				
Car SUV	4	1990	10	0.160	23.9	18.6	21.5	19.9	3377		140	106	12.9	0.759	0.0315	33.6					100.0%	86.9%	11.3%	1.7%			31.9%		45.8%	22.3%				
Car SUV	4	1991	51	0.230	22.8	18.4	19.3	18.8	3263		138	92	14.9	0.685	0.0285	30.9					100.0%	39.4%	0.6%	59.9%			3.5%		12.9%	83.5%				
Car SUV	4	1992	56	0.229	23.3	18.5	19.8	19.1	3128		130	99	13.4	0.772	0.0317	30.2					100.0%	52.2%		47.8%			5.4%		28.5%	66.1%				
Car SUV	4	1993	56	0.119	23.0	18.3	19.4	18.8	3159		131	99	12.7	0.767	0.0316	29.9					100.0%	47.3%		52.7%			5.8%		24.5%	69.6%				
Car SUV	4	1994	77	0.232	24.3	18.7	21.1	19.9	3149		124	105	12.2	0.846	0.0333	31.1			2.9%		97.1%	49.6%	32.7%	17.7%					68.4%	31.6%		7.4%		
Car SUV	4	1995	38	0.175	26.7	20.1	23.5	21.7	3083		116	95	13.1	0.828	0.0309	33.1			0.8%		99.2%	76.7%		23.3%					47.6%	52.4%				
Car SUV	4	1996	61	0.211	27.7	20.6	24.5	22.5	3076		122	114	11.9	0.945	0.0373	34.6			29.6%		70.4%	52.5%		47.5%					100.0%			81.4%		
Car SUV	4	1997	164	0.456	27.5	20.2	24.4	22.2	3083		130	125	11.1	0.973	0.0409	34.3			44.6%		55.4%	43.2%	13.4%	43.5%					100.0%			94.7%		
Car SUV	4	1998	88	0.193	27.6	20.3	24.4	22.3	3238		122	123	12.0	1.013	0.0382	36.1			53.5%		46.5%	35.9%		64.1%					100.0%			98.1%		
Car SUV	4	1999	92	0.189	27.7	20.3	24.2	22.2	3286		124	132	11.6	1.073	0.0403	36.5			57.1%		42.9%	27.1%		72.9%					100.0%			87.6%		
Car SUV	4	2000	103	0.168	26.5	19.3	23.0	21.2	3359		123	133	11.2	1.086	0.0397	35.7			46.1%		53.9%	19.1%		80.9%					100.0%			84.8%		
Car SUV	4	2001	200	0.269	27.0	19.5	23.4	21.5	3390		126	137	10.9	1.096	0.0409	36.6			47.2%		52.8%	18.1%		81.9%					100.0%			66.2%	20.4%	
Car SUV	4	2002	167	0.277	27.7	19.6	24.6	22.1	3387		130	143	10.7	1.109	0.0429	37.6			77.4%		22.6%	21.7%		77.9%	0.4%				100.0%			88.5%	48.6%	
Car SUV	4	2003	185	0.323	28.3	19.6	25.4	22.5	3422		135	144	10.5	1.072	0.0424	38.5			94.0%		6.0%	19.7%		66.6%	13.6%				100.0%			91.1%	37.4%	
Car SUV	4	2004	159	0.250	28.6	19.6	25.7	22.6	3483		143	151	10.3	1.060	0.0441	39.4			93.6%		6.4%	20.6%		71.9%	7.5%				100.0%			100.0%	54.3%	
Car SUV	4	2005	193	0.237	29.2	20.2	25.3	22.8	3410		139	153	10.1	1.100	0.0451	39.0			99.5%		0.5%	14.3%		83.5%	2.2%				100.0%			100.0%	36.9%	2.2%
Car SUV	4	2006	213	0.284	29.5	20.3	25.8	23.1	3522		138	152	10.4	1.101	0.0433	40.9			100.0%			8.8%		87.4%	3.8%				100.0%			100.0%	47.2%	3.8%
Car SUV	4	2007	293	0.319	29.1	19.9	25.8	22.9	3569		139	163	10.2	1.173	0.0454	41.0			100.0%			3.6%		94.0%	2.4%				100.0%			100.0%	71.3%	5.0%
Car SUV	4	2008	379	0.411	29.8	20.4	26.3	23.4	3624		141	163	10.1	1.156	0.0452	42.7			100.0%			1.6%		84.6%	13.9%			5.3%	94.7%			100.0%	78.1%	5.7%
Car SUV	4	2009	296	0.487	30.4	20.7	27.1	23.9	3632		147	170	9.5	1.158	0.0469	43.8			100.0%			1.0%		84.2%	14.8%			2.7%	97.3%			100.0%	96.8%	5.5%
Car SUV	4	2010	528	0.577	31.6	21.2	28.6	24.9	3708		149	178	9.4	1.198	0.0482	46.3			92.6%	7.4%		0.4%		90.4%	9.2%			27.8%	72.2%			100.0%	100.0%	1.2%
Car SUV	4	2011	796	0.659	31.6	21.1	28.5	24.8	3722		147	175	9.5	1.195	0.0472	46.3			91.9%	8.1%	0.0%	0.8%		89.9%	9.3%			28.5%	71.5%			100.0%	100.0%	0.6%
Car SUV	4	2012	816	0.645	32.0	21.3	28.6	25.0	3758		146	180	9.3	1.241	0.0481	47.0			89.2%	10.4%	0.4%	0.7%		85.0%	14.3%			42.2%	57.8%			100.0%	100.0%	0.4%
Car SUV	4	2013	1079	0.713	33.0	21.9	29.4	25.7	3793		138	185	9.2	1.361	0.0487	48.7			95.4%	4.4%	0.2%	0.5%		87.6%	11.9%			56.7%	43.3%			100.0%	100.0%	
Car SUV	4	2014	1229	0.785	32.8	21.8	29.1	25.4	3728		137	181	9.2	1.347	0.0486	47.6			95.7%	4.3%		0.9%		89.2%	9.9%			54.8%	45.2%			100.0%	100.0%	
Car SUV	4	2015	1366	0.803	33.9	22.6	30.0	26.3	3742		139	181	9.1	1.335	0.0485	49.4			96.3%	3.6%	0.1%	0.7%		74.6%	24.7%			53.0%	47.0%			100.0%	100.0%	0.1%
Car SUV	4	2016	1656	0.885	34.6	23.2	30.2	26.7	3692		133	179	9.2	1.371	0.0485	49.5			87.7%	11.1%	1.2%	0.7%	3.3%	65.7%	30.3%			49.6%	50.4%			100.0%	100.0%	0.0%
Car SUV	4	2017	-	0.853	34.0	22.7	29.7	26.2	3804		130	184	9.1	1.465	0.0484	50.0			88.5%	10.6%	0.8%	0.6%	3.4%	77.7%	18.2%			57.2%	42.8%			100.0%	100.0%	0.3%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	6	1975	2	0.224	15.8	13.4	13.3	13.4	4000		248	105		0.422	0.0261	26.7					100.0%		100.0%				100.0%							
Car SUV	6	1976	10	0.882	12.1	9.1	12.2	10.3	4000		255	119		0.467	0.0298	21.6					100.0%	76.1%	23.9%				100.0%							
Car SUV	6	1977	17	0.909	14.1	11.1	13.4	12.0	4000		256	122		0.478	0.0306	24.8					100.0%	89.3%	10.7%				100.0%							
Car SUV	6	1978	15	0.901	13.3	10.1	13.4	11.4	4000		257	124	14.3	0.483	0.0310	23.3					100.0%	91.9%	8.1%				100.0%							
Car SUV	6	1979	4	0.264	13.9	11.1	12.8	11.8	4000		256	124	14.3	0.483	0.0310	23.7					100.0%	95.3%		4.7%			100.0%							
Car SUV	6	1980	0	0.361	19.0	15.8	16.4	16.1	4000		225	100	18.5	0.444	0.0250	32.1					100.0%			100.0%			100.0%							
Car SUV	6	1981																																
Car SUV	6	1982	2	0.135	22.0	17.3	20.9	18.8	3461		207	112	16.3	0.558	0.0330	32.6					100.0%	33.9%		66.1%			100.0%							
Car SUV	6	1983	20	0.593	25.0	19.0	25.4	21.4	3500		173	110	15.1	0.636	0.0314	37.5					100.0%	28.7%		71.3%			100.0%							
Car SUV	6	1984	51	0.926	22.5	17.3	22.3	19.2	3555		182	110	15.2	0.614	0.0311	34.5					100.0%	19.0%	11.0%	69.9%			100.0%							
Car SUV	6	1985	80	0.906	23.3	17.4	24.3	20.0	3488		173	110	15.0	0.636	0.0315	34.9					100.0%	12.3%		87.7%			100.0%							
Car SUV	6	1986	51	0.857	21.7	16.7	21.3	18.5	3499		173	123	13.3	0.714	0.0353	32.4					100.0%	12.0%		88.0%			15.3%		0.0%	84.6%				
Car SUV	6	1987	88	0.931	22.7	16.9	23.0	19.3	3500		181	133	12.9	0.735	0.0379	33.8					100.0%	10.8%		89.2%					35.2%	64.8%				
Car SUV	6	1988	105	0.962	22.6	17.0	22.4	19.2	3500		201	143	12.2	0.720	0.0409	33.6					100.0%	23.1%		76.9%					50.2%	49.8%				
Car SUV	6	1989	102	0.950	22.7	17.0	22.1	19.1	3500		230	149	11.3	0.664	0.0427	33.5					100.0%	23.8%		76.2%					44.1%	55.9%				
Car SUV	6	1990	55	0.840	22.2	16.6	21.5	18.7	3545		222	153	10.5	0.706	0.0434	33.1					100.0%	25.2%		74.8%					66.6%	33.4%				
Car SUV	6	1991	172	0.770	21.5	15.9	20.9	18.0	3873		238	160	10.9	0.678	0.0415	35.0					100.0%	17.0%		83.0%					60.1%	39.9%				
Car SUV	6	1992	187	0.771	20.9	15.5	20.2	17.5	3886		234	169	10.4	0.722	0.0436	34.1					100.0%	16.3%		83.7%					80.3%	19.7%				
Car SUV	6	1993	338	0.715	20.7	15.1	20.1	17.3	3927		238	184	9.3	0.774	0.0469	34.1					100.0%	7.4%		92.6%					99.4%	0.6%				
Car SUV	6	1994	255	0.768	21.1	15.4	20.3	17.6	3913		234	181	9.3	0.774	0.0464	34.4			2.5%		97.5%	13.0%		87.0%					99.3%	0.7%		12.7%		
Car SUV	6	1995	182	0.825	20.7	15.0	20.0	17.2	3907		235	180	9.6	0.773	0.0463	33.7					100.0%	4.9%		95.1%					100.0%			23.1%		
Car SUV	6	1996	226	0.789	21.3	15.3	20.4	17.6	3879		240	181	9.9	0.763	0.0468	34.2					100.0%	5.5%		94.5%					100.0%			19.3%		
Car SUV	6	1997	189	0.525	21.1	15.2	20.0	17.4	3938		237	187	9.7	0.797	0.0475	34.3					100.0%	6.7%		93.3%					100.0%			21.7%		
Car SUV	6	1998	362	0.796	21.4	15.3	20.2	17.5	3964		240	179	10.2	0.752	0.0452	34.8					100.0%	5.3%		94.7%					100.0%			12.8%		
Car SUV	6	1999	396	0.811	21.8	15.6	20.4	17.8	3958		231	178	10.3	0.793	0.0451	35.3			5.6%		94.4%	4.1%		95.9%					100.0%			27.0%	5.6%	
Car SUV	6	2000	499	0.809	21.4	15.2	19.9	17.4	3972		228	180	9.8	0.810	0.0454	34.6			6.2%		93.8%	3.1%		96.9%					100.0%			24.5%	6.2%	
Car SUV	6	2001	535	0.719	22.2	15.6	20.8	18.1	3901		217	194	9.2	0.913	0.0500	35.4			34.0%		66.0%	1.8%		98.2%					100.0%			35.2%	6.3%	
Car SUV	6	2002	434	0.721	22.8	15.9	21.2	18.4	3885		203	192	9.4	0.963	0.0497	36.0			47.2%		52.8%	2.0%		98.0%					100.0%			63.6%	6.7%	
Car SUV	6	2003	385	0.670	23.5	16.3	21.7	18.9	3855		203	197	9.1	0.985	0.0513	36.6			53.2%		46.8%	1.2%		92.7%	6.1%				100.0%			57.1%	10.4%	
Car SUV	6	2004	466	0.729	24.0	16.4	22.5	19.3	3962		205	210	8.9	1.029	0.0530	38.4			68.0%	2.2%	29.8%	0.9%		93.1%	6.1%				100.0%			66.4%	30.4%	
Car SUV	6	2005	614	0.756	24.4	16.6	22.6	19.6	3976		200	203	9.0	1.020	0.0512	38.9			66.7%	18.6%	14.7%	0.4%		94.4%	5.2%				100.0%			57.0%	23.6%	
Car SUV	6	2006	534	0.711	24.5	16.6	22.7	19.6	4009		201	207	9.0	1.031	0.0516	39.3			69.4%	11.6%	19.0%	0.9%		93.4%	5.8%				100.0%			81.4%	27.4%	
Car SUV	6	2007	623	0.678	24.7	16.7	22.9	19.8	4103		207	229	8.6	1.105	0.0557	40.6			78.8%	6.6%	14.6%	0.7%		94.7%	4.6%				100.0%			74.4%	35.1%	
Car SUV	6	2008	542	0.587	24.9	16.7	23.2	19.9	4093		204	231	8.5	1.131	0.0565	40.8			78.3%	8.7%	12.9%	0.1%		99.9%					100.0%			82.3%	41.0%	
Car SUV	6	2009	311	0.511	25.7	17.4	23.8	20.5	4047		202	240	8.0	1.190	0.0596	41.5			85.1%	5.3%	9.6%	0.2%		87.5%	12.3%				100.0%			88.5%	51.7%	
Car SUV	6	2010	387	0.423	26.3	17.8	24.1	20.9	4278		202	261	7.7	1.298	0.0614	44.9			82.7%	10.8%	6.5%	0.0%		92.9%	7.1%			23.9%	76.1%			100.0%	99.9%	1.5%
Car SUV	6	2011	411	0.341	27.0	18.2	24.7	21.4	4214		203	269	7.5	1.335	0.0642	45.2			82.8%	12.7%	4.5%			94.6%	5.4%			26.0%	74.0%			100.0%	99.5%	0.6%
Car SUV	6	2012	449	0.355	26.1	17.6	24.1	20.8	4200		206	266	7.6	1.294	0.0635	43.8			67.8%	22.0%	10.2%			94.6%	5.4%			34.7%	65.3%			94.4%	94.4%	0.4%
Car SUV	6	2013	434	0.287	27.3	18.1	25.2	21.6	4393		215	286	7.4	1.328	0.0653	47.6			78.6%	16.2%	5.2%			95.4%	4.6%			25.6%	74.4%			100.0%	100.0%	1.1%
Car SUV	6	2014	336	0.214	26.8	17.8	25.0	21.3	4367		213	287	7.3	1.347	0.0659	46.6			73.7%	20.3%	6.1%			93.0%	7.0%			41.2%	58.8%			100.0%	100.0%	0.3%
Car SUV	6	2015	335	0.197	26.9	18.0	24.7	21.3	4384		213	288	7.3	1.355	0.0659	46.9			67.0%	26.5%	6.5%			98.7%	1.3%			51.9%	48.1%			100.0%	100.0%	1.3%
Car SUV	6	2016	196	0.105	26.6	17.6	25.2	21.2	4391		215	296	7.1	1.381	0.0676	46.9			73.9%	24.9%	1.2%			99.7%	0.3%			48.4%	51.6%			100.0%	100.0%	0.3%
Car SUV	6	2017	-	0.125	28.1	18.6	26.4	22.4	4367		215	298	6.9	1.391	0.0684	49.0			73.8%	25.3%	0.9%			100.0%				57.0%	43.0%			100.0%	100.0%	

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	8	1975	2	0.162	14.5	11.6	13.5	12.4	4000		298	135		0.450	0.0336	24.9					100.0%	42.8%	57.2%				100.0%							
Car SUV	8	1976	1	0.118	15.5	11.8	15.5	13.2	3883		326	153		0.469	0.0395	25.8					100.0%	17.0%	83.0%				100.0%							
Car SUV	8	1977	2	0.091	16.6	13.0	16.0	14.2	4000		314	147		0.467	0.0367	28.4					100.0%	14.6%	85.4%				100.0%							
Car SUV	8	1978	2	0.099	16.3	13.1	14.8	13.8	4000		313	145	12.8	0.464	0.0363	27.7					100.0%	14.3%	85.7%				100.0%							
Car SUV	8	1979	2	0.152	12.4	10.2	10.8	10.5	4000		307	127	14.4	0.413	0.0317	21.3					100.0%	82.3%		17.7%			100.0%							
Car SUV	8	1980	0	0.617	16.3	13.0	15.0	13.8	4000		316	137	14.6	0.433	0.0342	27.8					100.0%	2.7%	15.2%	82.1%			100.0%							
Car SUV	8	1981	0	1.000	17.3	13.7	16.1	14.7	4000		318	140	14.3	0.440	0.0350	29.4					100.0%			100.0%			100.0%							
Car SUV	8	1982																																
Car SUV	8	1983																																
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Car SUV	8	1992																																
Car SUV	8	1993	79	0.167	18.0	13.1	17.8	15.1	4000		318	215	8.3	0.676	0.0538	30.1					100.0%			100.0%					100.0%					
Car SUV	8	1994																																
Car SUV	8	1995																																
Car SUV	8	1996																																
Car SUV	8	1997	7	0.019	18.3	13.2	17.5	15.1	4000		318	215	8.8	0.676	0.0538	30.3					100.0%			100.0%					100.0%					
Car SUV	8	1998	5	0.010	18.3	13.1	17.6	15.1	4000		318	220	9.0	0.692	0.0550	30.3					100.0%			100.0%					100.0%					
Car SUV	8	1999																																
Car SUV	8	2000	14	0.023	19.6	13.8	18.5	16.0	4000		287	235	8.2	0.819	0.0588	32.0					100.0%			100.0%					100.0%					
Car SUV	8	2001	9	0.012	19.8	13.7	19.3	16.3	4000		287	230	8.0	0.801	0.0575	32.5					100.0%			100.0%					100.0%					
Car SUV	8	2002	1	0.002	19.0	13.0	18.4	15.5	4000		287	270	7.3	0.941	0.0675	31.1					100.0%			100.0%					100.0%					
Car SUV	8	2003	4	0.008	22.2	15.2	21.1	18.0	4000		278	318	6.6	1.146	0.0795	36.1					100.0%			100.0%					100.0%			68.5%	68.5%	
Car SUV	8	2004	13	0.021	19.8	13.4	19.1	16.1	4500		279	316	7.2	1.132	0.0702	36.3				83.6%	16.4%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2005	6	0.007	20.3	13.3	20.7	16.7	4848		279	315	7.5	1.129	0.0651	40.4				69.5%	30.5%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2006	4	0.005	20.2	13.2	20.5	16.6	5000		279	317	7.6	1.136	0.0634	41.5				63.2%	36.8%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2007	2	0.003	19.3	12.8	19.1	15.8	5000		279	315	7.5	1.129	0.0630	39.5				75.3%	24.7%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2008	2	0.002	19.5	12.9	19.5	16.0	5000		279	319	7.5	1.143	0.0638	40.0				80.3%	19.7%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2009	1	0.002	21.0	14.0	20.5	17.1	4765		280	327	7.0	1.167	0.0690	40.8				40.3%	59.7%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2010	0	0.000	22.7	15.3	21.5	18.3	4500		281	337	6.7	1.199	0.0749	41.2					100.0%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2011	0	0.000	22.8	15.4	21.6	18.4	4500		281	337	6.7	1.201	0.0749	41.4					100.0%			100.0%					100.0%			100.0%	100.0%	
Car SUV	8	2012																																
Car SUV	8	2013																																
Car SUV	8	2014																																
Car SUV	8	2015																																
Car SUV	8	2016																																
Car SUV	8	2017																																

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Car SUV	Other	1975																																
Car SUV	Other	1976																																
Car SUV	Other	1977																																
Car SUV	Other	1978																																
Car SUV	Other	1979																																
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Car SUV	Other	2008																																
Car SUV	Other	2009																																
Car SUV	Other	2010																																
Car SUV	Other	2011																																
Car SUV	Other	2012	0	0.000	108.2	77.9	73.3	75.2	4036			153	7.7		0.0380	151.7			100.0%					2.4%	97.6%										
Car SUV	Other	2013	1	0.001	107.9	77.5	73.2	75.0	4062			152	7.0		0.0377	152.1			100.0%					4.2%	95.8%										
Car SUV	Other	2014	1	0.001	107.9	77.6	73.2	75.0	4059			152	7.0		0.0377	152.1			100.0%					3.9%	96.1%										
Car SUV	Other	2015	0	0.000	71.1	49.3	50.7	50.1	4500			134	12.5		0.0298	112.7			100.0%				100.0%						100.0%						
Car SUV	Other	2016	18	0.009	124.1	89.5	93.0	91.5	5515			404	4.8		0.0733	252.7			0.3%	99.7%			100.0%						0.3%						
Car SUV	Other	2017	-	0.022	104.1	74.0	82.6	78.7	5571		366	751	3.6	1.639	0.1349	247.2			0.7%	99.3%			96.5%	3.5%					3.8%			3.3%	3.3%	

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	4	1975	2	0.004	20.6	16.2	19.6	17.5	3498		118	78		0.656	0.0224	30.7					100.0%	43.3%	56.7%				38.9%			61.1%				
Van	4	1976	2	0.003	19.9	15.1	20.1	17.0	3500		120	67		0.558	0.0191	29.8					100.0%	84.8%	15.2%							100.0%				
Van	4	1977	2	0.004	22.2	17.2	21.5	18.9	3500		120	67		0.558	0.0191	33.1					100.0%	89.9%	10.1%							100.0%				
Van	4	1978	3	0.004	20.0	15.7	19.1	17.0	3500		120	67	20.9	0.558	0.0191	29.8					100.0%	85.0%	15.0%							100.0%				
Van	4	1979	8	0.018	18.7	14.8	17.6	16.0	3500		120	67	22.3	0.558	0.0191	28.0					100.0%	81.2%	18.8%							100.0%				
Van	4	1980	16	0.065	19.0	14.7	18.6	16.2	3619		120	67	23.2	0.558	0.0186	29.4					100.0%	82.9%	17.1%							100.0%				
Van	4	1981	11	0.046	18.5	14.6	17.4	15.8	3644		120	67	23.2	0.558	0.0185	28.7					100.0%	81.2%	18.8%							100.0%				
Van	4	1982	15	0.048	21.7	17.7	19.4	18.4	3668		111	61	26.7	0.550	0.0168	35.6					100.0%	89.0%	11.0%							61.7%	38.3%			
Van	4	1983	14	0.037	19.7	15.6	18.4	16.8	3567		118	69	22.2	0.583	0.0194	30.3			4.2%		95.8%	76.9%	23.1%							93.6%	6.4%			
Van	4	1984	217	0.321	24.7	19.7	22.8	21.0	3380		136	94	17.4	0.694	0.0281	35.7			69.5%		30.5%	30.2%	50.7%	19.1%		0.0%	68.6%		20.7%	9.8%	0.9%			
Van	4	1985	341	0.399	24.0	19.2	22.1	20.4	3409		142	97	17.0	0.690	0.0287	34.9			76.0%	0.9%	23.1%	19.9%	64.9%	15.3%			76.9%		15.8%	7.4%				
Van	4	1986	354	0.339	24.7	19.6	22.9	20.9	3425		146	99	16.1	0.681	0.0290	36.0			72.0%	3.8%	24.2%	17.8%	62.3%	19.9%			75.8%		21.8%	2.4%				
Van	4	1987	268	0.241	24.6	19.3	22.7	20.7	3401		143	100	16.1	0.702	0.0296	35.4			59.8%	8.0%	32.2%	19.1%	47.6%	32.5%		0.9%	58.7%		31.1%	10.3%				
Van	4	1988	143	0.127	25.3	19.8	23.2	21.3	3464		145	98	16.8	0.678	0.0283	37.0			67.7%	6.2%	26.1%	18.1%	54.1%	27.8%					31.6%	68.4%				
Van	4	1989	224	0.176	24.7	19.2	22.6	20.7	3505		149	110	15.4	0.743	0.0316	36.3			83.9%	3.4%	12.7%	9.5%	76.2%	14.2%		0.1%			46.0%	54.0%				
Van	4	1990	102	0.080	25.5	19.5	23.6	21.3	3544		149	109	14.5	0.736	0.0310	37.9			80.2%	6.9%	13.0%	17.3%	12.1%	70.3%		0.3%			44.7%	55.3%				
Van	4	1991	146	0.141	23.9	18.2	22.2	19.9	3791		148	120	14.3	0.814	0.0316	37.8			34.0%	11.2%	54.8%	7.6%	1.8%	90.6%					70.4%	29.6%				
Van	4	1992	141	0.116	25.0	18.8	23.2	20.7	3588		145	117	13.7	0.812	0.0325	37.2			61.9%	9.4%	28.7%	11.9%		88.1%					62.0%	38.0%				
Van	4	1993	92	0.064	24.6	18.3	23.1	20.4	3638		147	118	12.9	0.809	0.0324	37.2			59.8%	4.7%	35.5%	9.8%		90.2%					53.1%	46.9%				
Van	4	1994	66	0.046	24.7	18.3	23.0	20.4	3604		149	116	12.9	0.782	0.0322	36.8			66.7%	10.1%	23.3%	7.8%		92.2%					44.2%	55.8%		37.1%		
Van	4	1995	88	0.053	25.1	18.6	22.9	20.6	3621		143	131	12.4	0.921	0.0360	37.2			71.1%	10.6%	18.3%	1.3%		98.7%					67.4%	32.6%		67.4%		
Van	4	1996	66	0.047	24.8	18.2	22.9	20.3	3817		142	149	12.0	1.050	0.0392	38.9			87.7%	1.8%	10.6%	0.1%		99.9%					100.0%			100.0%		
Van	4	1997	67	0.053	24.9	18.1	22.9	20.3	3831		142	144	12.3	1.008	0.0375	39.0			92.7%	2.0%	5.3%			100.0%					100.0%			100.0%		
Van	4	1998	140	0.094	25.2	17.8	24.0	20.6	3941		165	173	11.1	1.047	0.0439	40.7			100.0%					100.0%					100.0%			100.0%		
Van	4	1999	132	0.090	24.8	17.4	23.5	20.2	3999		166	171	11.5	1.027	0.0428	40.4			100.0%					100.0%					100.0%			100.0%	52.7%	
Van	4	2000	62	0.037	26.0	18.2	24.4	21.1	4000		148	150	12.2	1.014	0.0375	42.1			100.0%					100.0%					100.0%			100.0%		
Van	4	2001	29	0.023	25.4	18.0	22.9	20.4	4000		148	150	12.0	1.014	0.0375	40.8			100.0%					100.0%					100.0%			100.0%		
Van	4	2002	38	0.031	25.6	17.6	24.2	20.7	4000		148	150	11.9	1.014	0.0375	41.4			100.0%					100.0%					100.0%			100.0%		
Van	4	2003	21	0.017	26.9	18.4	25.1	21.6	4000		148	150	11.7	1.014	0.0375	43.2			100.0%					100.0%					100.0%			100.0%		
Van	4	2004	6	0.006	25.9	17.5	24.2	20.8	4000		148	150	11.7	1.014	0.0375	41.5			100.0%					100.0%					100.0%			100.0%		
Van	4	2005	20	0.014	25.9	17.4	24.1	20.7	4000		148	150	11.7	1.014	0.0375	41.4			100.0%					100.0%					100.0%			100.0%		
Van	4	2006	18	0.015	25.9	17.4	24.1	20.7	4000		148	150	11.8	1.014	0.0375	41.4			100.0%					100.0%					100.0%			100.0%		
Van	4	2007	8	0.010	25.9	17.4	24.3	20.8	4000		148	150	11.9	1.014	0.0375	41.5			100.0%					100.0%					100.0%			100.0%		
Van	4	2008	16	0.021	30.7	20.9	27.3	24.1	3500		140	153	10.6	1.093	0.0437	42.2			100.0%			4.9%		95.1%					100.0%			100.0%	100.0%	
Van	4	2009	22	0.060	30.3	20.7	26.8	23.8	3500		140	153	10.4	1.093	0.0437	41.6			100.0%			4.8%		95.2%					100.0%			100.0%	100.0%	
Van	4	2010	57	0.102	30.5	21.4	25.7	23.6	3500		128	145	11.2	1.128	0.0413	41.4			100.0%			2.4%		97.6%					100.0%			100.0%	35.3%	
Van	4	2011	36	0.068	30.0	20.5	25.2	23.0	3709		131	150	11.3	1.147	0.0403	42.5			100.0%					100.0%					100.0%			100.0%	20.9%	
Van	4	2012	76	0.115	31.1	20.9	26.8	23.9	3593		139	150	11.0	1.081	0.0417	42.9			100.0%			1.6%		98.4%					100.0%			100.0%	52.0%	
Van	4	2013	63	0.110	31.1	21.2	26.7	24.0	3503		129	140	11.4	1.091	0.0401	42.1			100.0%			0.9%		90.1%	9.0%				100.0%			100.0%	31.9%	
Van	4	2014	56	0.084	31.3	21.1	27.2	24.2	3759		145	159	10.4	1.102	0.0423	45.5			100.0%			0.6%		80.7%	18.7%			3.0%	97.0%			100.0%	100.0%	
Van	4	2015	106	0.161	32.4	21.9	27.3	24.7	3684		139	155	10.4	1.119	0.0420	45.4			100.0%					61.9%	38.1%			2.9%	97.1%			100.0%	100.0%	
Van	4	2016	80	0.127	30.5	20.5	26.8	23.7	3892		143	170	9.9	1.210	0.0439	46.0			89.3%		10.7%			87.3%	12.7%			13.8%	86.2%			100.0%	100.0%	
Van	4	2017	-	0.176	31.8	21.5	27.0	24.3	3704		140	158	10.2	1.130	0.0427	44.9			97.1%		2.9%			65.6%	34.4%			2.9%	97.1%			100.0%	100.0%	

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine							Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	5	1975																																
Van	5	1976																																
Van	5	1977																																
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Van	5	1993	11	0.007	21.0	16.0	19.0	17.4	4157		150	109	13.9	0.727	0.0263	36.1			100.0%			35.7%		64.3%					100.0%					
Van	5	1994	0	0.000	20.1	15.1	18.6	16.6	4260		150	109	13.9	0.727	0.0257	35.4			100.0%			48.0%		52.0%					100.0%					
Van	5	1995	2	0.001	19.6	14.8	17.5	16.1	5000		150	109	16.5	0.727	0.0218	40.2			100.0%			43.8%		56.2%					100.0%					
Van	5	1996																																
Van	5	1997																																
Van	5	1998																																
Van	5	1999																																
Van	5	2000																																
Van	5	2001																																
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Van	5	2015																																
Van	5	2016																																
Van	5	2017																																

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	6	1975	117	0.256	16.3	13.0	14.9	13.8	3967		271	102		0.380	0.0257	27.8					100.0%	16.8%	83.2%				100.0%							
Van	6	1976	128	0.255	17.4	14.1	15.6	14.7	4023		271	102		0.380	0.0253	29.9					100.0%	21.7%	78.3%				100.0%							
Van	6	1977	107	0.208	18.0	14.7	16.1	15.3	4039		278	113		0.408	0.0280	30.9					100.0%	15.5%	84.5%				100.0%							
Van	6	1978	152	0.244	17.2	14.1	15.3	14.6	4086		280	120	15.3	0.430	0.0293	30.0					100.0%	14.0%	86.0%				100.0%							
Van	6	1979	96	0.200	16.6	13.6	14.7	14.1	4233		263	121	16.4	0.465	0.0287	30.1					100.0%	43.1%	47.7%	9.2%			100.0%							
Van	6	1980	114	0.473	18.4	14.7	16.9	15.6	4183		266	118	16.9	0.449	0.0284	32.7					100.0%	40.3%	26.7%	33.0%			100.0%							
Van	6	1981	120	0.488	18.7	15.0	17.1	15.9	4191		268	117	17.1	0.438	0.0279	33.3					100.0%	34.6%	30.3%	35.1%			100.0%							
Van	6	1982	121	0.389	18.7	15.0	17.3	15.9	4181		266	111	18.8	0.419	0.0266	33.4					100.0%	27.5%	34.2%	38.3%			100.0%							
Van	6	1983	118	0.307	18.9	15.1	17.4	16.1	4206		265	110	17.3	0.418	0.0263	33.9					100.0%	26.6%	32.6%	40.8%			100.0%							
Van	6	1984	144	0.214	18.6	14.7	17.4	15.8	4118		272	112	16.9	0.413	0.0273	32.8					100.0%	22.2%	33.4%	44.4%			100.0%							
Van	6	1985	182	0.213	20.6	16.2	19.6	17.6	4002		270	136	14.5	0.509	0.0343	35.4					100.0%	8.4%	20.6%	71.0%			100.0%							
Van	6	1986	391	0.374	20.9	16.1	20.1	17.7	4049		237	132	14.3	0.574	0.0327	36.0					100.0%	6.3%	16.9%	76.7%			39.2%		19.1%	41.2%	0.5%			
Van	6	1987	567	0.509	21.8	16.8	21.0	18.5	3931		219	149	13.2	0.703	0.0381	36.4			25.9%		74.1%	3.5%	9.8%	86.7%			3.1%		63.4%	33.6%				
Van	6	1988	735	0.649	22.2	16.8	21.6	18.8	3940		213	149	13.4	0.722	0.0380	37.0			42.7%		57.3%	2.2%	7.1%	90.7%					70.2%	29.8%				
Van	6	1989	777	0.608	22.1	16.7	21.4	18.6	3993		212	146	13.1	0.713	0.0367	37.3			32.2%	0.2%	67.5%	2.1%	6.1%	91.8%					71.0%	29.0%				
Van	6	1990	935	0.741	22.2	16.6	21.4	18.6	4011		208	144	12.5	0.705	0.0360	37.4			54.4%	8.1%	37.4%	0.6%	3.5%	96.0%					66.6%	33.4%				
Van	6	1991	742	0.718	22.0	16.5	21.1	18.4	4084		212	147	12.6	0.706	0.0360	37.8			46.5%	13.0%	40.5%	0.4%	2.2%	97.4%					68.2%	31.8%				
Van	6	1992	902	0.739	22.1	16.4	21.2	18.5	4118		213	149	12.3	0.711	0.0362	38.1			51.7%	6.0%	42.3%	0.3%	1.6%	98.1%					76.9%	23.1%				
Van	6	1993	1174	0.815	22.5	16.5	21.7	18.7	4047		208	152	11.2	0.742	0.0377	37.8			55.5%	5.2%	39.3%	0.3%	1.7%	97.9%					84.9%	15.1%				
Van	6	1994	1161	0.818	22.2	16.2	21.2	18.4	4085		213	154	11.1	0.734	0.0378	37.7			60.1%	7.3%	32.6%	0.1%	1.6%	98.3%					85.9%	14.1%		2.2%		
Van	6	1995	1375	0.828	22.5	16.2	21.7	18.6	4050		222	155	11.3	0.711	0.0384	37.7			69.4%	10.3%	20.3%		1.4%	98.6%					94.6%	5.4%		1.2%		
Van	6	1996	1230	0.873	22.7	16.2	21.9	18.7	4148		214	167	11.4	0.788	0.0405	38.9			79.8%	2.6%	17.6%		1.3%	98.7%					100.0%			1.2%		
Van	6	1997	1069	0.845	22.5	16.0	21.6	18.5	4178		213	169	11.3	0.800	0.0406	38.8			70.9%	5.4%	23.7%			100.0%					100.0%			1.2%		
Van	6	1998	1250	0.839	23.0	16.2	22.2	18.9	4136		215	177	11.2	0.826	0.0428	39.1			82.2%	3.9%	14.0%			100.0%					100.0%			1.2%		
Van	6	1999	1200	0.820	22.7	15.8	21.9	18.6	4254		218	178	11.2	0.822	0.0420	39.6			81.7%	3.3%	15.0%			100.0%					100.0%			4.2%	4.2%	
Van	6	2000	1523	0.901	23.1	16.1	22.2	18.9	4235		212	180	10.6	0.860	0.0427	40.1			85.5%	3.0%	11.5%			100.0%					100.0%			20.0%	16.7%	
Van	6	2001	961	0.780	23.6	16.3	22.5	19.2	4310		210	192	10.2	0.920	0.0446	41.5			85.9%	3.2%	10.9%			100.0%					100.0%			25.9%	21.8%	
Van	6	2002	1141	0.917	23.4	16.1	22.2	19.0	4368		214	199	10.1	0.936	0.0456	41.6			88.6%	3.3%	8.1%			100.0%					100.0%			27.6%	22.7%	
Van	6	2003	1148	0.932	23.8	16.2	22.6	19.2	4345		215	199	10.0	0.933	0.0459	41.9			87.9%	4.8%	7.3%			100.0%					100.0%			25.9%	21.0%	
Van	6	2004	907	0.951	23.9	16.1	23.0	19.4	4448		215	212	9.6	0.994	0.0478	43.2			90.4%	4.7%	5.0%			100.0%					100.0%			54.3%	48.5%	
Van	6	2005	1425	0.963	24.1	16.1	22.9	19.4	4413		214	209	9.7	0.979	0.0473	42.9			91.2%	5.4%	3.4%			94.7%	5.3%				100.0%			38.0%	26.0%	
Van	6	2006	1103	0.946	24.5	16.3	23.4	19.7	4451		214	211	9.7	0.989	0.0473	44.0			93.3%	4.4%	2.3%			95.0%	5.0%				100.0%			47.8%	38.5%	
Van	6	2007	820	0.967	24.3	16.2	23.2	19.6	4471		219	226	9.4	1.038	0.0505	43.8			94.9%	2.5%	2.6%			95.4%	4.6%				100.0%			53.8%	50.4%	
Van	6	2008	764	0.967	24.6	16.4	23.5	19.8	4533		220	221	9.6	1.009	0.0488	45.0			93.9%	3.7%	2.4%			100.0%					100.0%			52.5%	47.6%	
Van	6	2009	340	0.925	24.8	16.6	23.7	20.0	4623		218	224	9.4	1.031	0.0484	46.3			95.2%	2.0%	2.8%			100.0%					100.0%			57.1%	44.4%	
Van	6	2010	496	0.886	24.6	16.4	23.7	19.9	4635		223	219	9.5	0.988	0.0472	46.2			97.1%	1.2%	1.7%			100.0%					100.0%			46.9%	37.1%	
Van	6	2011	475	0.911	26.3	17.6	24.8	21.0	4528		215	266	8.2	1.237	0.0589	47.7			92.9%	5.6%	1.5%			96.6%	3.4%				100.0%			98.5%	98.5%	
Van	6	2012	573	0.865	26.5	17.5	25.1	21.2	4522		217	267	8.1	1.235	0.0592	48.0			94.6%	3.0%	2.4%			96.3%	3.7%				100.0%			97.6%	97.6%	
Van	6	2013	498	0.872	26.1	17.3	24.9	20.9	4646		217	271	8.2	1.251	0.0585	48.7			94.1%	4.0%	1.9%			97.7%	2.3%				100.0%			98.1%	98.1%	
Van	6	2014	604	0.899	26.5	17.6	25.1	21.2	4529		217	269	8.1	1.241	0.0595	48.2			94.5%	3.5%	2.0%			98.6%	1.4%				100.0%			98.0%	98.0%	
Van	6	2015	547	0.835	26.7	17.8	25.2	21.4	4547		214	268	8.1	1.252	0.0591	48.6			93.4%	5.5%	1.1%			97.6%	2.4%			5.3%	94.7%			100.0%	100.0%	
Van	6	2016	549	0.871	26.8	17.8	25.3	21.4	4539		215	269	8.1	1.251	0.0593	48.7			95.8%	2.7%	1.4%			98.6%	1.4%			9.4%	90.6%			100.0%	100.0%	
Van	6	2017	-	0.823	28.4	18.7	26.6	22.5	4621		215	283	7.4	1.318	0.0615	53.2			94.0%	4.0%	2.0%			96.1%	3.9%			8.9%	91.1%			100.0%	100.0%	2.8%

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	8	1975	339	0.741	12.2	9.9	11.1	10.4	4278		334	158		0.470	0.0370	22.5					100.0%	25.5%	74.5%				100.0%							
Van	8	1976	373	0.742	12.9	10.3	12.0	11.0	4263		342	161		0.470	0.0380	23.6					100.0%	19.9%	80.1%				100.0%							
Van	8	1977	405	0.788	14.0	11.4	12.7	11.9	4313		347	163		0.471	0.0380	25.8					100.0%	13.6%	86.4%				100.0%							
Van	8	1978	470	0.752	13.5	11.0	12.0	11.4	4307		346	159	12.7	0.460	0.0371	24.8					100.0%	12.3%	87.7%				100.0%							
Van	8	1979	376	0.782	12.9	10.5	11.4	10.9	4643		342	152	15.1	0.445	0.0328	25.6					100.0%	6.1%	87.6%	6.3%			100.0%							
Van	8	1980	112	0.462	14.9	11.9	13.7	12.7	4630		334	152	15.2	0.456	0.0330	29.4					100.0%	3.3%	46.1%	50.6%			100.0%							
Van	8	1981	114	0.466	16.3	13.0	15.0	13.8	4530		317	148	15.3	0.469	0.0328	31.5			0.7%		99.3%	2.8%	33.9%	63.3%			100.0%							
Van	8	1982	175	0.563	16.2	13.0	14.8	13.8	4511		316	153	16.0	0.486	0.0340	31.3					100.0%	1.4%	43.7%	54.9%			100.0%							
Van	8	1983	251	0.656	17.1	13.6	16.0	14.6	4560		318	152	14.5	0.481	0.0335	33.9					100.0%	1.6%	27.1%	71.3%			93.5%				6.5%			
Van	8	1984	315	0.465	16.4	13.0	15.5	14.0	4534		317	154	14.3	0.487	0.0341	32.2					100.0%	2.2%	33.4%	64.4%			98.0%				2.0%			
Van	8	1985	332	0.389	15.9	12.6	14.7	13.5	4542		314	158	14.0	0.501	0.0348	30.9			0.1%		99.9%	0.7%	31.9%	67.4%			99.1%		0.1%		0.8%			
Van	8	1986	300	0.287	16.9	13.4	15.8	14.4	4607		312	155	13.6	0.497	0.0338	33.2			0.1%		99.9%	0.4%	13.8%	85.7%			73.8%		25.5%	0.1%	0.6%			
Van	8	1987	280	0.251	16.9	13.1	16.0	14.3	4603		319	167	13.2	0.521	0.0363	33.0					100.0%	0.2%	37.1%	62.6%			32.8%		24.4%	42.5%	0.3%			
Van	8	1988	255	0.225	17.2	13.2	16.4	14.6	4708		323	168	13.5	0.520	0.0359	34.4					100.0%	0.1%	27.4%	72.5%			1.0%		32.8%	65.7%	0.5%			
Van	8	1989	276	0.216	17.0	12.9	16.3	14.3	4689		326	174	12.7	0.533	0.0374	33.8					100.0%	0.1%	15.9%	84.1%					31.5%	68.1%	0.3%			
Van	8	1990	226	0.179	17.1	12.9	16.4	14.4	4692		332	187	11.3	0.560	0.0400	33.8					100.0%		6.5%	93.5%					28.8%	70.8%	0.4%			
Van	8	1991	146	0.141	17.1	12.7	16.5	14.3	4724		331	186	11.4	0.560	0.0397	33.9					100.0%		2.0%	98.0%					31.7%	67.8%	0.5%			
Van	8	1992	178	0.146	17.0	12.7	16.3	14.2	4769		332	196	10.9	0.590	0.0416	34.1					100.0%		5.5%	94.5%					53.9%	45.7%	0.4%			
Van	8	1993	164	0.114	17.5	12.8	16.9	14.6	4784		334	202	9.9	0.606	0.0425	34.9				0.3%	99.7%		2.2%	97.8%					50.5%	49.5%				
Van	8	1994	191	0.135	17.2	12.6	16.6	14.4	4777		332	207	9.7	0.626	0.0437	34.3					100.0%		5.9%	94.1%					65.7%	34.3%				
Van	8	1995	197	0.119	17.4	12.7	16.7	14.5	4734		336	199	10.1	0.594	0.0423	34.3					100.0%		3.9%	96.1%					45.7%	54.3%				
Van	8	1996	113	0.080	17.2	12.4	16.6	14.3	4930		333	219	10.2	0.660	0.0447	35.3					100.0%		5.8%	94.2%					100.0%					
Van	8	1997	130	0.102	18.0	12.9	17.3	14.9	4963		322	228	10.0	0.709	0.0461	37.1					100.0%		4.2%	95.8%					100.0%					
Van	8	1998	100	0.067	17.9	12.7	17.3	14.8	5107		322	231	10.3	0.720	0.0454	37.8					100.0%			100.0%					100.0%					
Van	8	1999	131	0.090	17.8	12.5	17.2	14.6	5099		322	233	10.2	0.726	0.0458	37.3					100.0%			100.0%					100.0%					
Van	8	2000	106	0.063	17.7	12.5	16.9	14.5	5024		322	237	9.6	0.738	0.0473	36.6					100.0%			100.0%					100.0%					
Van	8	2001	243	0.197	17.6	12.3	16.9	14.4	5405		313	248	9.6	0.795	0.0460	39.0				31.2%	68.8%			100.0%					100.0%					
Van	8	2002	64	0.052	17.4	12.3	16.1	14.2	5078		321	241	9.5	0.753	0.0476	36.2					100.0%			100.0%					100.0%					
Van	8	2003	64	0.052	18.3	12.9	16.7	14.8	5399		320	261	9.3	0.819	0.0485	40.0				11.3%	88.7%			100.0%					100.0%					
Van	8	2004	40	0.042	19.1	13.3	17.5	15.4	5446		307	259	9.5	0.843	0.0476	42.0				10.8%	89.2%			100.0%					100.0%					
Van	8	2005	35	0.024	19.0	13.2	17.4	15.3	5366		303	256	9.4	0.844	0.0478	41.0				11.0%	89.0%			100.0%					100.0%					
Van	8	2006	46	0.039	19.0	13.2	17.3	15.3	5257		295	248	9.6	0.839	0.0472	40.1				8.8%	91.2%			100.0%					100.0%					
Van	8	2007	19	0.023	21.1	14.4	19.7	17.0	5054		270	244	9.8	0.902	0.0478	42.9			44.5%	20.3%	35.2%			100.0%					100.0%					
Van	8	2008	10	0.012	18.4	12.9	16.5	14.8	5751		325	306	9.0	0.941	0.0532	42.4				40.7%	59.3%			100.0%					100.0%					
Van	8	2009	5	0.015	17.8	12.5	15.9	14.2	5758		325	301	8.9	0.926	0.0524	41.0				45.9%	54.1%			100.0%					100.0%					
Van	8	2010	7	0.012	18.4	12.9	16.7	14.8	5783		323	301	9.0	0.932	0.0521	42.8				46.9%	53.1%			100.0%					100.0%					100.0%	
Van	8	2011	11	0.021	17.5	12.3	16.1	14.2	5938		318	281	9.6	0.882	0.0474	42.4				28.0%	72.0%			100.0%					100.0%			4.6%	64.5%	
Van	8	2012	13	0.019	17.6	12.3	16.3	14.3	5863		314	282	10.0	0.896	0.0484	42.0				25.5%	74.5%			100.0%					100.0%				61.4%	
Van	8	2013	10	0.018	17.6	12.3	16.1	14.2	5921		319	289	9.4	0.905	0.0491	42.3				33.6%	66.4%			100.0%					100.0%				70.8%	
Van	8	2014	11	0.017	17.7	12.4	16.3	14.3	5968		323	296	9.3	0.917	0.0499	42.9				37.5%	62.5%			100.0%					100.0%				78.9%	
Van	8	2015	2	0.004	16.2	10.9	16.1	13.4	6662		321	297	9.2	0.929	0.0445	44.6					100.0%			100.0%					100.0%				100.0%	
Van	8	2016	1	0.001	15.8	10.7	15.9	13.1	6647		366	324	8.6	0.885	0.0488	43.7					100.0%			100.0%					100.0%				100.0%	
Van	8	2017	-	0.001	15.8	10.7	15.9	13.2	6596		366	324	8.6	0.885	0.0492	43.4					100.0%			100.0%					100.0%				100.0%	

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Van	Other	1975																																
Van	Other	1976																																
Van	Other	1977																																
Van	Other	1978																																
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Van	Other	2007																																
Van	Other	2008																																
Van	Other	2009																																
Van	Other	2010																																
Van	Other	2011	0	0.000	14.2	10.0	13.2	11.6	6413		415	305	8.9	0.735	0.0478	37.2					100.0%			100.0%					100.0%						
Van	Other	2012	0	0.000	13.6	9.6	12.7	11.1	6500		415	305	9.0	0.735	0.0472	36.1					100.0%			100.0%					100.0%						
Van	Other	2013	0	0.000	13.2	9.4	12.4	10.9	6336		415	305	8.9	0.735	0.0484	34.4					100.0%			100.0%					100.0%						
Van	Other	2014	0	0.000	13.2	9.3	12.3	10.8	6354		415	305	8.9	0.735	0.0482	34.4					100.0%			100.0%					100.0%						
Van	Other	2015																																
Van	Other	2016																																
Van	Other	2017																																

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	4	1975																																
Truck SUV	4	1976																																
Truck SUV	4	1977																																
Truck SUV	4	1978																																
Truck SUV	4	1979	4	0.012	16.0	13.1	14.3	13.6	3621		168	69	21.4	0.473	0.0193	24.4				100.0%		100.0%					100.0%							
Truck SUV	4	1980	19	0.102	22.8	18.9	19.8	19.3	2893		137	81	17.9	0.624	0.0278	27.9				100.0%	0.0%	100.0%	0.0%				100.0%							
Truck SUV	4	1981	13	0.098	24.4	20.2	21.3	20.7	2941		145	81	17.4	0.573	0.0276	30.5				100.0%		98.0%	2.0%				100.0%							
Truck SUV	4	1982	7	0.046	24.6	20.4	21.2	20.8	2650		113	68	20.9	0.642	0.0251	27.5				100.0%		100.0%					100.0%							
Truck SUV	4	1983	10	0.037	24.2	19.9	21.2	20.5	2747		105	70	19.4	0.697	0.0248	28.0				100.0%		100.0%					100.0%							
Truck SUV	4	1984	67	0.117	23.6	19.1	21.4	20.0	3149		139	89	16.9	0.644	0.0281	31.5				100.0%		72.0%	1.1%	26.9%			100.0%							
Truck SUV	4	1985	85	0.131	24.2	19.5	22.1	20.6	3329		138	94	16.7	0.683	0.0281	34.3				100.0%		71.2%	1.1%	27.6%			68.1%		22.7%	7.8%	1.5%			
Truck SUV	4	1986	183	0.256	25.1	20.0	23.1	21.3	3355		131	97	15.1	0.746	0.0289	35.8				100.0%		87.8%	0.5%	11.7%			59.5%		19.8%	17.9%	2.8%			
Truck SUV	4	1987	201	0.258	25.2	20.0	22.8	21.2	3121		126	95	15.0	0.758	0.0303	33.1				100.0%		85.8%	7.5%	6.7%			64.1%		18.7%	17.1%	0.1%			
Truck SUV	4	1988	187	0.218	25.0	19.9	22.4	21.0	3118		121	94	15.5	0.775	0.0298	32.6				100.0%		83.8%	4.0%	12.2%			54.3%		41.0%	4.7%				
Truck SUV	4	1989	118	0.144	24.0	19.0	21.5	20.1	3216		131	103	14.2	0.792	0.0322	32.3				100.0%		71.4%		28.6%			7.2%		41.4%	51.4%				
Truck SUV	4	1990	104	0.162	25.1	19.8	22.1	20.9	3072		123	99	13.3	0.813	0.0322	32.2				100.0%		82.7%		17.3%					35.0%	65.0%				
Truck SUV	4	1991	78	0.089	24.8	19.6	21.6	20.5	3205		121	101	13.8	0.835	0.0313	33.0				100.0%		79.1%		20.9%					51.3%	48.7%				
Truck SUV	4	1992	58	0.076	25.7	20.1	22.3	21.2	2945		121	103	12.8	0.855	0.0349	31.5				100.0%		81.7%		18.3%					56.7%	43.3%				
Truck SUV	4	1993	67	0.080	25.5	19.8	22.0	20.9	2973		122	106	11.8	0.869	0.0356	31.4				100.0%		77.5%		22.5%					71.5%	28.5%				
Truck SUV	4	1994	98	0.076	25.5	19.8	21.8	20.8	2940		119	101	12.2	0.850	0.0343	30.9				100.0%		69.1%		30.9%					55.5%	44.5%		12.2%		
Truck SUV	4	1995	157	0.098	24.5	18.8	21.0	19.9	2987		128	112	11.6	0.879	0.0375	30.0				100.0%		71.4%		28.6%					87.3%	12.7%		3.4%		
Truck SUV	4	1996	90	0.056	27.4	20.5	24.1	22.3	2996		110	109	12.6	0.993	0.0364	33.3				100.0%		40.6%		59.4%					100.0%			97.8%		
Truck SUV	4	1997	225	0.108	24.7	18.4	21.6	20.0	3439		135	126	12.1	0.945	0.0367	34.5				94.3%	5.7%	43.0%		57.0%					100.0%			72.4%		
Truck SUV	4	1998	256	0.120	25.8	19.0	22.8	20.8	3444		131	132	12.2	1.011	0.0382	36.1				93.6%	6.4%	32.3%		67.7%					100.0%			86.7%		
Truck SUV	4	1999	261	0.111	26.2	19.2	22.9	21.1	3499		132	141	11.8	1.076	0.0402	37.0				94.5%	5.5%	27.2%		72.8%					100.0%			81.5%		
Truck SUV	4	2000	251	0.099	26.1	19.0	22.7	20.9	3512		130	139	11.4	1.083	0.0396	36.8				93.5%	6.5%	22.7%		77.3%					100.0%			76.4%		
Truck SUV	4	2001	306	0.113	26.0	18.8	22.6	20.7	3508		136	148	10.8	1.106	0.0423	36.7			3.2%	96.8%		16.7%		83.3%					100.0%			80.3%	19.4%	
Truck SUV	4	2002	303	0.084	27.2	19.3	23.9	21.6	3526		140	153	10.7	1.098	0.0435	38.4			5.9%	93.9%	0.2%	14.7%		84.8%	0.5%				100.0%			85.5%	57.7%	
Truck SUV	4	2003	391	0.109	27.0	19.1	23.8	21.4	3595		143	156	10.6	1.092	0.0434	38.6			11.4%	88.6%		10.0%		86.1%	3.9%				100.0%			92.0%	64.1%	
Truck SUV	4	2004	337	0.083	27.1	18.9	23.9	21.4	3599		146	162	10.3	1.106	0.0451	38.7			12.2%	87.8%		10.4%		87.9%	1.7%				100.0%			100.0%	74.4%	
Truck SUV	4	2005	332	0.101	27.8	19.3	24.2	21.8	3633		145	160	10.3	1.102	0.0443	39.8			12.0%	88.0%		8.6%		88.9%	2.5%				97.4%		2.6%	100.0%	70.3%	2.0%
Truck SUV	4	2006	324	0.108	28.3	19.6	24.5	22.1	3700		145	160	10.4	1.100	0.0435	41.1			11.2%	88.8%		7.4%		88.7%	3.9%				97.9%		2.1%	100.0%	72.2%	3.9%
Truck SUV	4	2007	460	0.139	28.1	19.5	24.6	22.1	3845		144	174	10.1	1.208	0.0454	42.6			16.1%	83.9%		4.1%		76.6%	19.3%				100.0%			100.0%	88.8%	1.6%
Truck SUV	4	2008	483	0.157	29.0	20.2	25.0	22.7	3834		144	171	10.2	1.188	0.0446	43.6			15.9%	84.1%		2.9%		66.9%	30.2%			2.7%	97.3%			100.0%	86.0%	3.1%
Truck SUV	4	2009	424	0.248	29.1	20.1	25.4	22.8	3811		146	174	9.8	1.194	0.0458	43.6			13.4%	85.8%	0.8%	3.2%		74.1%	22.7%			5.7%	94.3%			100.0%	77.9%	1.9%
Truck SUV	4	2010	632	0.274	29.9	20.6	26.2	23.5	3822		149	177	9.8	1.194	0.0464	45.0			10.1%	89.2%	0.7%	3.0%	2.7%	66.0%	28.3%			3.8%	96.2%			100.0%	100.0%	0.9%
Truck SUV	4	2011	843	0.275	30.5	20.9	26.5	23.8	3854		147	177	9.8	1.205	0.0459	45.9			9.4%	90.2%	0.4%	1.8%		62.6%	35.7%			5.5%	94.5%			100.0%	100.0%	0.5%
Truck SUV	4	2012	711	0.257	30.8	21.0	26.9	24.0	3810		148	180	9.7	1.227	0.0474	45.8			5.9%	94.1%		1.3%		66.8%	31.9%			7.2%	92.8%			100.0%	100.0%	0.3%
Truck SUV	4	2013	1126	0.340	32.0	21.6	28.1	24.9	3863		140	183	9.5	1.333	0.0475	48.2			5.3%	94.7%		1.1%		72.9%	26.0%			31.1%	68.7%		0.2%	100.0%	99.8%	0.1%
Truck SUV	4	2014	1426	0.385	32.9	22.2	28.7	25.5	3820		141	182	9.5	1.317	0.0477	48.8			3.7%	96.3%		1.2%		66.9%	31.9%			28.0%	71.7%		0.3%	100.0%	99.7%	1.1%
Truck SUV	4	2015	1855	0.395	33.7	22.7	29.3	26.0	3861		142	182	9.5	1.309	0.0472	50.6			3.2%	96.8%		0.9%		52.1%	47.0%			38.5%	61.0%		0.5%	100.0%	99.7%	0.4%
Truck SUV	4	2016	2121	0.448	33.7	22.7	29.1	26.0	3921		140	189	9.2	1.373	0.0480	51.3			5.0%	95.0%		0.8%		55.8%	43.4%			50.5%	49.4%		0.2%	100.0%	99.9%	2.3%
Truck SUV	4	2017	-	0.431	33.5	22.6	29.0	25.9	3916		134	191	9.1	1.480	0.0486	50.9			3.3%	96.7%		1.2%	0.2%	59.9%	38.7%			48.5%	51.3%		0.2%	100.0%	100.0%	3.1%

					Fuel Economy (MPG)						Engine									Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	5	1975																																
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Truck SUV	5	2001																																
Truck SUV	5	2002																																
Truck SUV	5	2003	4	0.001	23.3	15.9	22.1	18.9	4885		154	207	9.7	1.344	0.0425	46.1			9.3%	90.7%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	5	2004	55	0.013	24.0	16.3	22.6	19.3	4365		183	232	8.6	1.279	0.0540	42.0			17.3%	82.7%				100.0%					100.0%			100.0%	49.6%	
Truck SUV	5	2005	40	0.012	23.2	15.8	21.4	18.6	4486		175	225	8.8	1.298	0.0511	41.6			21.0%	79.0%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	5	2006	98	0.033	20.7	14.6	18.3	16.5	4976		196	217	10.0	1.123	0.0436	41.1			10.2%	89.8%		3.0%		97.0%					100.0%			100.0%	100.0%	
Truck SUV	5	2007	46	0.014	19.4	13.5	17.6	15.6	5000		223	245	9.5	1.099	0.0490	38.9				100.0%		3.6%		96.4%					100.0%				100.0%	
Truck SUV	5	2008	23	0.008	19.4	13.5	17.6	15.6	5000		223	245	9.5	1.099	0.0490	38.9				100.0%		3.5%		96.5%					100.0%				100.0%	
Truck SUV	5	2009	8	0.005	20.4	14.3	18.1	16.3	5000		223	245	9.3	1.099	0.0490	40.7				100.0%		2.5%		97.5%					100.0%			100.0%	100.0%	
Truck SUV	5	2010	2	0.001	20.4	14.3	18.1	16.3	5000		226	245	9.4	1.084	0.0490	40.7				100.0%		2.9%		97.1%					100.0%			100.0%	100.0%	
Truck SUV	5	2011																																
Truck SUV	5	2012																																
Truck SUV	5	2013																																
Truck SUV	5	2014																																
Truck SUV	5	2015	6	0.001	27.7	18.6	25.9	22.2	4346		154	250	7.9	1.625	0.0577	48.2				100.0%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	5	2016	16	0.003	28.6	19.2	26.2	22.7	4387		154	250	7.9	1.625	0.0571	49.7				100.0%				100.0%					100.0%			100.0%	100.0%	
Truck SUV	5	2017																																

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	6	1975	9	0.053	18.4	15.1	16.2	15.6	2944		234	92		0.393	0.0318	22.8				99.4%	0.6%	86.8%	13.2%				100.0%							
Truck SUV	6	1976	35	0.150	17.3	14.3	15.0	14.6	3039		253	96		0.381	0.0324	22.2				95.1%	4.9%	75.8%	24.2%				100.0%							
Truck SUV	6	1977	32	0.122	18.5	15.2	16.5	15.7	2963		252	95		0.378	0.0327	23.3				96.4%	3.6%	80.8%	19.2%				100.0%							
Truck SUV	6	1978	45	0.124	17.7	14.4	15.8	15.0	2964		254	97	13.7	0.382	0.0332	22.2				93.0%	7.0%	81.6%	18.4%				100.0%							
Truck SUV	6	1979	59	0.153	17.1	14.2	14.9	14.5	3155		257	119	13.5	0.465	0.0384	23.0				99.5%	0.5%	85.3%	14.7%				98.7%				1.3%			
Truck SUV	6	1980	54	0.293	17.8	14.4	16.0	15.1	3589		258	101	16.3	0.393	0.0285	27.2				98.2%	1.8%	83.2%	13.0%	3.7%			92.0%				8.0%			
Truck SUV	6	1981	44	0.327	18.5	14.8	17.2	15.8	3564		266	113	14.9	0.428	0.0327	28.0				98.2%	1.8%	78.4%		21.6%			100.0%							
Truck SUV	6	1982	40	0.267	18.8	14.8	17.8	16.0	3607		266	112	16.0	0.420	0.0318	28.9				100.0%		79.5%		20.5%			100.0%							
Truck SUV	6	1983	130	0.509	20.8	16.2	20.2	17.8	3763		212	112	15.5	0.552	0.0303	33.7				100.0%		54.8%	2.8%	42.4%			100.0%							
Truck SUV	6	1984	317	0.556	21.1	16.5	20.2	18.0	3697		189	108	16.0	0.587	0.0295	33.4				100.0%		35.6%	25.6%	38.8%			100.0%							
Truck SUV	6	1985	365	0.563	21.2	16.3	21.0	18.1	3790		179	109	15.9	0.613	0.0288	34.5				100.0%		34.0%	1.5%	64.5%			100.0%							
Truck SUV	6	1986	337	0.472	20.6	16.0	19.7	17.5	3696		184	126	13.6	0.699	0.0343	32.4				100.0%		32.7%	2.0%	65.2%			33.4%		32.6%	33.9%				
Truck SUV	6	1987	403	0.518	21.0	16.0	20.4	17.8	3736		201	139	13.0	0.704	0.0377	33.3				100.0%		32.5%	2.7%	64.8%			9.7%		47.3%	43.0%				
Truck SUV	6	1988	477	0.556	20.8	15.8	20.1	17.5	3721		214	148	12.6	0.703	0.0401	32.8				100.0%		28.2%	2.1%	69.7%			6.5%		57.2%	36.2%				
Truck SUV	6	1989	493	0.602	20.8	15.8	19.7	17.5	3826		232	156	11.9	0.683	0.0410	33.6				99.3%	0.7%	24.8%	4.2%	71.0%			7.3%		53.1%	39.6%				
Truck SUV	6	1990	368	0.573	20.3	15.3	19.3	17.0	3853		219	154	11.3	0.718	0.0404	32.8				99.3%	0.7%	26.5%	2.0%	71.5%			7.2%		73.9%	18.9%				
Truck SUV	6	1991	703	0.806	20.2	15.1	19.4	16.9	4115		232	163	11.3	0.711	0.0401	34.9				99.2%	0.8%	18.1%	1.0%	80.9%					67.6%	32.4%				
Truck SUV	6	1992	606	0.797	19.6	14.6	18.8	16.4	4128		229	171	10.9	0.750	0.0420	34.0				98.4%	1.6%	19.3%	1.0%	79.7%					83.2%	16.8%				
Truck SUV	6	1993	612	0.731	20.1	14.9	19.1	16.7	4170		232	180	9.9	0.779	0.0437	35.0				98.2%	1.8%	17.4%	1.3%	81.3%					99.4%	0.6%				
Truck SUV	6	1994	898	0.695	19.6	14.5	18.6	16.3	4262		229	180	10.0	0.788	0.0425	34.9				100.0%		13.9%		86.1%					99.7%	0.3%		17.9%		
Truck SUV	6	1995	1061	0.664	19.7	14.4	18.7	16.3	4256		230	177	10.4	0.778	0.0419	34.9				91.3%	8.7%	11.6%		88.4%					100.0%			22.3%		
Truck SUV	6	1996	1058	0.660	20.2	14.6	19.3	16.7	4255		242	179	10.6	0.748	0.0426	35.7				84.6%	15.4%	5.4%		94.6%					100.0%			12.2%		
Truck SUV	6	1997	1142	0.547	20.2	14.7	18.9	16.6	4266		237	179	10.5	0.766	0.0424	35.5				83.0%	17.0%	9.2%		90.8%					100.0%			20.6%		
Truck SUV	6	1998	1137	0.535	20.4	14.7	19.2	16.8	4262		236	183	10.7	0.786	0.0433	35.8				91.4%	8.6%	6.8%		93.2%					100.0%			21.6%		
Truck SUV	6	1999	1205	0.514	20.4	14.7	18.8	16.7	4287		231	194	10.4	0.852	0.0454	35.7				91.2%	8.8%	5.6%		94.4%					100.0%			30.2%	5.7%	
Truck SUV	6	2000	1252	0.496	20.6	14.7	18.9	16.7	4267		230	190	10.1	0.837	0.0448	35.7				92.2%	7.8%	5.4%		94.6%					100.0%			26.1%	4.7%	
Truck SUV	6	2001	1537	0.568	21.0	14.9	19.4	17.0	4275		219	202	9.5	0.936	0.0475	36.5			12.4%	77.3%	10.3%	3.3%		96.7%					100.0%			45.0%	20.3%	
Truck SUV	6	2002	2176	0.607	20.6	14.4	19.0	16.7	4383		225	218	9.4	0.974	0.0498	36.6			2.0%	76.8%	21.2%	3.3%		96.7%					100.0%			54.8%	32.8%	
Truck SUV	6	2003	1844	0.516	21.1	14.6	19.6	17.0	4417		224	226	9.1	1.017	0.0513	37.7			2.7%	78.9%	18.4%	2.2%		96.1%	1.7%				100.0%			66.9%	49.1%	
Truck SUV	6	2004	2190	0.537	21.4	14.7	20.0	17.3	4426		227	227	9.1	1.006	0.0514	38.2			2.9%	79.0%	18.1%	2.6%		95.8%	1.6%				100.0%			61.9%	49.2%	
Truck SUV	6	2005	1844	0.564	21.4	14.6	19.8	17.2	4493		223	234	8.9	1.056	0.0521	38.7			2.6%	80.8%	16.5%	2.4%		95.4%	2.2%				100.0%			74.0%	57.1%	
Truck SUV	6	2006	1795	0.597	21.9	15.0	20.2	17.6	4529		223	232	8.9	1.044	0.0512	40.2			6.0%	77.2%	16.8%	2.5%		90.4%	7.1%				100.0%			71.0%	60.5%	4.4%
Truck SUV	6	2007	1816	0.548	22.5	15.4	20.6	18.0	4514		221	238	8.9	1.082	0.0528	40.8			7.7%	79.1%	13.2%	2.7%		91.7%	5.7%				99.5%		0.5%	73.8%	58.8%	2.2%
Truck SUV	6	2008	1894	0.616	22.9	15.6	21.2	18.4	4577		219	242	8.9	1.110	0.0529	42.3			12.3%	76.4%	11.3%	2.0%		95.3%	2.7%			1.7%	97.6%		0.7%	76.1%	59.7%	2.7%
Truck SUV	6	2009	1070	0.624	23.6	16.0	21.9	18.9	4598		214	253	8.4	1.186	0.0552	43.7			22.7%	73.4%	3.9%	0.6%		92.0%	7.5%			9.2%	89.8%		1.0%	84.4%	69.5%	1.0%
Truck SUV	6	2010	1388	0.602	23.9	16.3	22.1	19.1	4606		218	254	8.4	1.174	0.0554	44.4			19.0%	74.8%	6.2%	1.7%		93.7%	4.6%			16.3%	82.6%		1.1%	80.0%	74.7%	1.9%
Truck SUV	6	2011	1708	0.556	24.3	16.5	22.5	19.5	4665		217	269	8.2	1.245	0.0577	45.6			20.1%	72.4%	7.5%	1.3%		96.0%	2.8%			20.3%	78.2%		1.5%	89.0%	86.8%	0.7%
Truck SUV	6	2012	1666	0.601	24.7	16.8	22.7	19.7	4676		216	273	8.1	1.273	0.0587	46.2			20.4%	75.6%	4.1%	2.2%		95.0%	2.9%			23.8%	74.1%		2.1%	95.2%	93.2%	0.8%
Truck SUV	6	2013	1730	0.523	25.2	17.1	23.2	20.1	4683		214	279	7.9	1.308	0.0599	47.3			22.9%	73.3%	3.9%	1.6%		88.9%	9.5%			19.2%	79.2%		1.5%	100.0%	96.9%	1.2%
Truck SUV	6	2014	1950	0.526	25.6	17.3	23.6	20.4	4722		214	282	7.7	1.322	0.0600	48.3			21.7%	72.5%	5.9%	1.4%		90.0%	8.5%			27.5%	70.7%		1.8%	85.3%	95.7%	0.3%
Truck SUV	6	2015	2328	0.496	25.6	17.3	23.5	20.4	4741		213	286	7.7	1.347	0.0606	48.5			20.0%	73.5%	6.6%	1.4%	0.6%	90.8%	7.2%			27.4%	70.9%		1.6%	100.0%	97.7%	0.6%
Truck SUV	6	2016	2166	0.458	25.5	17.2	23.5	20.3	4734		213	290	7.6	1.366	0.0614	48.3			20.6%	73.9%	5.5%	1.2%	0.5%	93.6%	4.7%			42.1%	56.9%		1.1%	100.0%	98.9%	0.7%
Truck SUV	6	2017	-	0.498	25.7	17.4	23.5	20.4	4773		213	295	7.5	1.391	0.0621	49.0			19.9%	73.9%	6.1%	1.0%	0.3%	91.4%	7.3%			44.7%	54.9%		0.4%	100.0%	99.2%	1.2%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	8	1975	168	0.947	12.8	10.5	11.4	10.8	4284		337	151		0.445	0.0363	23.1				88.4%	11.6%	37.2%	62.8%				100.0%							
Truck SUV	8	1976	197	0.850	13.4	10.8	12.2	11.4	4556		354	150		0.421	0.0334	25.8				88.6%	11.4%	24.5%	75.5%				100.0%							
Truck SUV	8	1977	232	0.878	14.7	11.9	13.4	12.5	4427		348	152		0.435	0.0348	27.7				87.3%	12.7%	25.9%	74.1%				100.0%							
Truck SUV	8	1978	319	0.876	14.1	11.3	12.9	12.0	4468		355	157	13.1	0.442	0.0356	26.7				92.3%	7.7%	25.1%	74.9%				100.0%							
Truck SUV	8	1979	321	0.835	11.8	9.8	10.3	10.0	4832		354	151	14.9	0.426	0.0314	24.2				66.8%	33.2%	22.6%	76.9%	0.5%			100.0%							
Truck SUV	8	1980	111	0.605	13.9	11.1	12.8	11.8	4777		339	154	15.0	0.453	0.0323	28.4				82.6%	17.4%	14.9%	43.8%	41.3%			100.0%							
Truck SUV	8	1981	78	0.574	15.2	12.1	14.1	12.9	4792		329	150	15.3	0.459	0.0314	31.2				84.5%	15.5%	9.9%	30.9%	59.2%			100.0%							
Truck SUV	8	1982	103	0.688	16.4	13.0	15.4	14.0	4961		333	146	16.8	0.441	0.0296	36.3				79.9%	20.1%	8.9%	33.6%	57.5%			75.9%				24.1%			
Truck SUV	8	1983	116	0.454	16.2	12.8	15.4	13.8	4962		339	148	15.2	0.442	0.0301	35.6				80.8%	19.2%	4.7%	26.8%	67.6%		0.8%	83.3%				16.7%			
Truck SUV	8	1984	186	0.326	15.4	12.1	14.5	13.1	4971		336	156	14.6	0.467	0.0315	33.5				79.4%	20.6%	6.4%	44.3%	49.3%			92.2%				7.8%			
Truck SUV	8	1985	198	0.306	15.6	12.2	14.9	13.3	4977		336	162	14.0	0.486	0.0327	33.7				71.7%	28.3%	3.3%	41.2%	55.5%			90.6%		4.5%		4.8%			
Truck SUV	8	1986	194	0.272	16.2	12.5	15.6	13.8	4981		330	159	13.5	0.484	0.0321	34.8				75.2%	24.8%	3.6%	23.5%	72.9%			76.6%		20.0%		3.4%			
Truck SUV	8	1987	175	0.225	15.9	12.3	15.2	13.5	5090		337	181	13.0	0.537	0.0355	34.8				73.9%	26.1%	2.9%	27.2%	69.9%			27.8%		16.7%	53.7%	1.9%			
Truck SUV	8	1988	194	0.226	16.1	12.3	15.3	13.6	5115		338	183	13.0	0.541	0.0357	35.1				74.9%	25.1%	2.6%	26.4%	70.9%			9.4%		29.0%	60.1%	1.5%			
Truck SUV	8	1989	208	0.254	16.0	12.2	15.4	13.5	5196		336	186	12.5	0.551	0.0357	35.5				76.0%	24.0%	3.0%	23.4%	73.6%			6.0%		32.9%	60.0%	1.1%			
Truck SUV	8	1990	170	0.265	16.2	12.1	15.9	13.7	5257		338	192	11.4	0.569	0.0367	36.1				73.0%	27.0%	2.0%	11.1%	86.9%			4.0%		32.8%	62.1%	1.2%			
Truck SUV	8	1991	91	0.104	16.2	12.1	15.8	13.6	5293		339	199	11.3	0.589	0.0377	36.3				70.6%	29.4%	1.4%	9.0%	89.7%			4.1%		30.1%	64.0%	1.8%			
Truck SUV	8	1992	97	0.127	15.9	11.7	15.5	13.3	5428		340	201	11.2	0.591	0.0371	36.2				73.8%	26.2%	1.3%	0.4%	98.2%					30.7%	69.3%				
Truck SUV	8	1993	159	0.190	16.4	12.0	15.9	13.7	5524		343	207	10.3	0.605	0.0376	37.8				70.7%	29.3%	1.3%		98.7%					24.3%	75.7%				
Truck SUV	8	1994	296	0.229	17.0	12.5	16.2	14.1	5003		334	209	9.6	0.629	0.0431	35.2				81.1%	18.9%	1.4%		98.6%					48.6%	51.4%				
Truck SUV	8	1995	379	0.237	17.0	12.4	16.2	14.1	5066		334	206	10.0	0.621	0.0417	35.6				82.9%	17.1%	1.2%		98.8%					41.7%	58.3%				
Truck SUV	8	1996	455	0.284	17.5	12.6	16.8	14.5	4965		328	226	9.8	0.687	0.0458	35.9				78.6%	21.4%	0.8%		99.2%					99.9%		0.1%			
Truck SUV	8	1997	722	0.346	17.6	12.7	16.9	14.6	5095		323	228	9.9	0.707	0.0451	37.1				76.2%	23.8%	0.1%		99.9%					100.0%		0.0%			
Truck SUV	8	1998	734	0.345	17.3	12.3	16.6	14.3	5093		320	226	10.2	0.707	0.0446	36.3				75.6%	24.4%			100.0%					100.0%		0.0%			
Truck SUV	8	1999	877	0.375	17.4	12.3	16.8	14.4	5138		319	236	9.9	0.744	0.0463	36.9				58.7%	41.3%			100.0%					100.0%			4.8%		
Truck SUV	8	2000	1022	0.405	17.6	12.5	16.7	14.4	5280		311	243	9.5	0.782	0.0462	38.1				70.5%	29.5%			100.0%					100.0%			5.3%	0.5%	
Truck SUV	8	2001	864	0.319	17.7	12.6	16.4	14.4	5395		310	256	9.2	0.825	0.0475	38.9				67.9%	32.1%			100.0%					100.0%			15.5%	2.2%	
Truck SUV	8	2002	1109	0.309	18.0	12.6	17.0	14.7	5437		311	271	9.0	0.870	0.0500	40.0				64.5%	35.5%			100.0%					100.0%			12.2%	0.9%	
Truck SUV	8	2003	1333	0.373	18.1	12.6	16.9	14.7	5558		310	266	9.1	0.859	0.0481	40.8				62.0%	38.0%			100.0%					100.0%			18.4%	2.6%	
Truck SUV	8	2004	1492	0.366	18.1	12.5	16.8	14.6	5516		314	277	8.8	0.883	0.0505	40.4				65.4%	34.6%			100.0%					100.0%			28.1%	14.1%	
Truck SUV	8	2005	1056	0.323	18.5	12.7	17.1	14.9	5577		315	288	8.6	0.916	0.0517	41.7				67.3%	32.7%			100.0%					100.0%			34.8%	29.3%	
Truck SUV	8	2006	789	0.262	18.6	12.8	17.4	15.0	5523		309	293	8.5	0.951	0.0532	41.5				70.7%	29.3%			100.0%					100.0%			51.1%	49.7%	
Truck SUV	8	2007	991	0.299	19.5	13.2	18.5	15.8	5749		320	313	8.4	0.977	0.0546	45.7				63.4%	36.6%			100.0%					100.0%			25.0%	28.1%	
Truck SUV	8	2008	672	0.219	19.3	13.1	18.3	15.6	5784		322	330	8.2	1.030	0.0572	45.3				67.1%	32.9%	0.0%		98.8%	1.2%			2.1%	97.9%			41.9%	42.9%	1.2%
Truck SUV	8	2009	211	0.123	19.7	13.3	18.8	16.0	5756		323	335	7.7	1.042	0.0583	46.3				60.5%	39.5%	0.1%		96.9%	3.0%			3.6%	96.4%			36.0%	47.1%	3.3%
Truck SUV	8	2010	283	0.123	19.9	13.5	18.9	16.1	5944		327	338	7.9	1.039	0.0571	48.2				66.2%	33.8%	0.0%	0.1%	99.5%	0.4%			10.5%	89.5%			57.7%	86.0%	0.5%
Truck SUV	8	2011	518	0.169	20.2	13.7	19.2	16.4	5985		331	350	7.7	1.061	0.0588	49.3				72.5%	27.5%		0.0%	99.6%	0.4%			13.3%	86.7%			39.1%	99.8%	0.4%
Truck SUV	8	2012	394	0.142	20.1	13.6	19.1	16.2	5983		330	352	7.7	1.068	0.0591	48.9				72.4%	27.6%			99.6%	0.4%			14.9%	85.1%			43.9%	99.2%	0.4%
Truck SUV	8	2013	454	0.137	20.3	13.7	19.2	16.4	5995		330	352	7.7	1.071	0.0589	49.4				72.3%	27.7%			99.7%	0.3%			16.9%	83.1%			39.0%	99.7%	0.3%
Truck SUV	8	2014	331	0.089	20.4	13.8	19.4	16.5	5933		329	360	7.4	1.101	0.0611	49.0				74.2%	25.8%			100.0%				20.7%	79.3%			51.9%	98.4%	
Truck SUV	8	2015	508	0.108	22.1	14.9	21.2	17.9	6040		334	370	7.4	1.110	0.0614	54.4				70.6%	29.4%			100.0%				82.1%	17.9%			20.3%	99.1%	
Truck SUV	8	2016	426	0.090	22.2	15.0	21.0	17.9	5997		334	379	7.2	1.140	0.0635	54.0				71.6%	28.4%			100.0%				84.4%	15.6%			23.5%	99.6%	
Truck SUV	8	2017	-	0.071	21.9	14.8	20.7	17.6	6013		332	382	7.1	1.165	0.0638	53.4				70.5%	29.5%			100.0%				80.8%	19.2%			28.1%	98.8%	

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Truck SUV	Other	1975																																
Truck SUV	Other	1976																																
Truck SUV	Other	1977																																
Truck SUV	Other	1978																																
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Truck SUV	Other	2000																																
Truck SUV	Other	2001																																
Truck SUV	Other	2002																																
Truck SUV	Other	2003																																
Truck SUV	Other	2004	1	0.000	22.8	15.4	21.8	18.4	6000		300	310	8.5	1.033	0.0517	55.3				100.0%				100.0%							100.0%				
Truck SUV	Other	2005																																
Truck SUV	Other	2006	1	0.000	21.7	14.8	20.0	17.4	6000		300	310	8.5	1.033	0.0517	52.2				100.0%				100.0%							100.0%				
Truck SUV	Other	2007	0	0.000	21.7	14.8	20.0	17.4	6000		300	310	8.6	1.033	0.0517	52.2				100.0%				100.0%							100.0%				
Truck SUV	Other	2008	0	0.000	21.7	14.8	20.0	17.4	6000		300	310	8.7	1.033	0.0517	52.2				100.0%				100.0%							100.0%				
Truck SUV	Other	2009																																
Truck SUV	Other	2010																																
Truck SUV	Other	2011																																
Truck SUV	Other	2012																																
Truck SUV	Other	2013																																
Truck SUV	Other	2014																																
Truck SUV	Other	2015																																
Truck SUV	Other	2016	0	0.000	15.0	10.6	13.1	11.9	6000		365	621	5.0	1.702	0.1035	35.6				100.0%				100.0%						100.0%			100.0%	100.0%	
Truck SUV	Other	2017	-	0.000	15.0	10.6	13.1	11.9	6000		365	621	5.0	1.702	0.1035	35.6				100.0%				100.0%						100.0%			100.0%	100.0%	

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	2	1975	3	0.002	15.5	11.7	15.9	13.2	3000		80	135		1.688	0.0450	19.9					100.0%	68.2%	31.8%				100.0%							
Pickup	2	1976	4	0.002	16.4	12.4	16.8	14.1	3000		80	135		1.688	0.0450	21.1					100.0%	81.1%	18.9%				100.0%							
Pickup	2	1977	3	0.001	19.3	14.7	19.4	16.5	3000		80	135		1.688	0.0450	24.8					100.0%	85.1%	14.9%				100.0%							
Pickup	2	1978																																
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Pickup	2	2017																																

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	4	1975	214	0.159	22.2	17.2	21.6	19.0	2817		116	88		0.750	0.0314	26.8					100.0%	83.5%	16.5%				100.0%							
Pickup	4	1976	224	0.120	23.7	18.4	23.1	20.2	2826		117	89		0.757	0.0318	28.7					100.0%	81.4%	18.6%				100.0%							
Pickup	4	1977	304	0.150	26.4	20.6	25.3	22.5	2819		122	91		0.748	0.0324	32.0					100.0%	82.3%	17.7%				100.0%							
Pickup	4	1978	339	0.150	26.3	21.0	24.3	22.4	2844		121	88	14.7	0.731	0.0310	32.1				6.9%	93.1%	88.1%	11.9%				100.0%							
Pickup	4	1979	459	0.208	23.4	18.4	22.1	19.9	2832		123	85	16.3	0.692	0.0300	28.7				20.5%	79.5%	88.1%	11.9%				100.0%							
Pickup	4	1980	550	0.383	24.6	19.6	22.8	20.9	2818		124	87	16.2	0.705	0.0311	29.9			4.8%	20.2%	75.0%	89.9%	10.1%				95.2%			2.7%	2.0%			
Pickup	4	1981	497	0.346	27.7	22.1	25.7	23.6	2842		130	85	16.6	0.652	0.0298	34.1			6.7%	23.0%	70.2%	93.1%	6.9%				81.9%			1.8%	16.3%			
Pickup	4	1982	485	0.337	27.8	22.1	25.7	23.6	2886		133	87	17.4	0.657	0.0304	34.6			6.6%	23.4%	70.0%	90.8%	6.9%	2.3%			83.9%			0.7%	15.4%			
Pickup	4	1983	707	0.434	27.6	22.0	25.6	23.5	2921		135	88	15.9	0.651	0.0303	34.7			4.3%	18.9%	76.8%	86.3%	12.3%	1.4%			94.1%			0.2%	5.7%			
Pickup	4	1984	795	0.389	27.2	21.7	25.2	23.1	2973		134	89	15.8	0.661	0.0300	34.7			1.5%	20.6%	77.8%	88.9%	8.6%	2.5%			93.3%		2.5%		4.2%			
Pickup	4	1985	819	0.394	27.4	21.9	25.3	23.3	3034		141	98	14.7	0.693	0.0322	35.5				22.4%	77.6%	84.6%	6.6%	8.8%			69.3%		18.3%	10.7%	1.7%			
Pickup	4	1986	1256	0.496	27.0	21.3	25.1	22.9	3054		139	97	14.1	0.696	0.0318	35.1				19.8%	80.2%	85.9%	6.2%	7.9%			62.3%		14.3%	22.6%	0.7%			
Pickup	4	1987	1064	0.496	27.1	21.1	25.3	22.9	3050		140	96	14.4	0.686	0.0316	35.0				17.3%	82.7%	84.5%	7.6%	7.9%			61.1%		11.7%	26.8%	0.3%			
Pickup	4	1988	913	0.371	27.1	21.1	25.1	22.8	3070		142	97	14.5	0.685	0.0317	35.2				15.2%	84.8%	84.9%	5.8%	9.3%			42.9%		27.3%	29.7%				
Pickup	4	1989	773	0.347	26.8	20.8	24.7	22.5	3085		144	102	13.5	0.710	0.0331	34.8				15.3%	84.7%	84.9%	4.5%	10.6%			28.8%		34.5%	36.6%				
Pickup	4	1990	554	0.302	27.1	20.9	24.8	22.6	3096		144	110	12.1	0.765	0.0356	35.1				13.1%	86.9%	84.9%	2.2%	12.9%			19.9%		69.5%	10.5%				
Pickup	4	1991	632	0.329	27.3	20.9	25.0	22.7	3119		145	108	12.3	0.749	0.0349	35.5				12.4%	87.6%	85.3%	2.7%	12.0%			9.7%		67.3%	23.0%				
Pickup	4	1992	471	0.256	27.1	20.5	24.8	22.4	3194		143	110	12.1	0.767	0.0347	35.9				13.8%	86.2%	86.8%	3.1%	10.1%			12.6%		77.6%	9.8%				
Pickup	4	1993	478	0.239	27.3	20.5	24.9	22.5	3211		143	112	11.2	0.782	0.0351	36.2				14.8%	85.2%	86.8%	3.3%	9.9%			8.8%		87.0%	4.2%				
Pickup	4	1994	706	0.265	27.3	20.4	24.9	22.4	3333		141	113	11.3	0.799	0.0342	37.5				12.2%	87.8%	85.2%	3.6%	11.2%			2.9%		96.7%	0.4%		0.2%		
Pickup	4	1995	653	0.288	26.8	19.8	24.4	21.9	3426		147	124	11.2	0.848	0.0365	37.8				15.3%	84.7%	79.9%	3.1%	17.0%					97.3%	2.7%		17.7%		
Pickup	4	1996	556	0.284	27.0	19.7	24.9	22.1	3420		143	124	11.6	0.871	0.0366	38.0				9.8%	90.2%	76.6%	4.8%	18.6%					100.0%			35.2%		
Pickup	4	1997	465	0.193	27.5	20.0	24.9	22.3	3457		141	120	11.9	0.853	0.0349	38.8				5.9%	94.1%	78.0%		22.0%					100.0%			28.6%		
Pickup	4	1998	615	0.255	27.0	19.5	24.6	21.9	3462		145	127	11.9	0.877	0.0370	38.1				11.1%	88.9%	66.9%	6.0%	27.1%					100.0%			35.6%		
Pickup	4	1999	392	0.154	26.5	19.0	24.1	21.4	3452		147	128	11.9	0.867	0.0371	37.2				10.5%	89.5%	57.4%	6.1%	36.5%					100.0%			34.6%		
Pickup	4	2000	437	0.167	26.0	18.5	23.6	21.0	3466		145	127	11.5	0.879	0.0368	36.5				7.9%	92.1%	48.0%	4.8%	47.2%					100.0%			35.0%		
Pickup	4	2001	277	0.110	25.8	18.4	23.0	20.6	3501		146	132	11.1	0.906	0.0378	36.3				8.7%	91.3%	48.5%	7.7%	43.8%					100.0%			54.0%		
Pickup	4	2002	166	0.070	26.3	18.8	23.0	20.9	3525		149	143	10.7	0.958	0.0407	37.1				12.5%	87.5%	47.9%	12.5%	39.6%					100.0%			99.9%		
Pickup	4	2003	289	0.117	26.3	18.3	23.7	21.0	3527		142	133	11.3	0.933	0.0377	37.1				10.6%	89.4%	38.8%	7.6%	53.6%					100.0%			53.7%		
Pickup	4	2004	155	0.062	26.2	18.3	23.1	20.7	3542		152	147	10.5	0.972	0.0418	36.8				12.4%	87.6%	42.3%	15.2%	42.4%					100.0%			100.0%	12.5%	
Pickup	4	2005	126	0.055	26.0	17.7	23.6	20.7	3740		160	162	10.1	1.017	0.0434	38.7				17.6%	82.4%	43.0%		57.0%					100.0%			100.0%	68.4%	
Pickup	4	2006	165	0.075	25.8	17.6	23.6	20.6	3749		160	162	10.2	1.012	0.0434	38.6				15.0%	85.0%	37.9%		62.1%					100.0%			100.0%	79.7%	
Pickup	4	2007	139	0.066	25.6	17.5	23.2	20.3	3712		161	164	10.2	1.015	0.0443	38.0				8.3%	91.7%	33.1%		66.9%					100.0%			100.0%	100.0%	
Pickup	4	2008	128	0.072	26.7	18.4	23.7	21.1	3698		159	162	10.3	1.015	0.0438	39.1				10.8%	89.2%	29.8%		70.2%					100.0%			100.0%	100.0%	
Pickup	4	2009	94	0.095	27.2	18.8	24.0	21.4	3719		158	159	10.2	1.005	0.0427	39.9				14.1%	85.9%	34.1%		65.9%					100.0%			100.0%	100.0%	
Pickup	4	2010	86	0.068	27.2	18.7	24.1	21.4	3703		155	156	10.5	1.007	0.0422	39.7				12.4%	87.6%	25.8%		74.2%					100.0%			100.0%	58.8%	
Pickup	4	2011	100	0.068	27.5	18.9	24.1	21.6	3700		154	154	10.6	1.004	0.0417	39.9				14.7%	85.3%	18.8%		81.2%					100.0%			100.0%	52.7%	
Pickup	4	2012	70	0.052	27.1	18.5	23.4	21.0	3864		168	167	10.4	0.996	0.0435	40.7				23.6%	76.4%	17.6%		82.4%					100.0%			100.0%	100.0%	
Pickup	4	2013	67	0.042	27.4	18.9	23.1	21.1	3892		162	158	10.8	0.973	0.0406	41.0				19.3%	80.7%	16.5%		83.5%					100.0%			100.0%	100.0%	
Pickup	4	2014	57	0.029	27.3	18.8	23.0	21.0	3894		162	157	10.8	0.974	0.0405	40.9				18.5%	81.5%	14.8%		85.2%					100.0%			100.0%	100.0%	
Pickup	4	2015	80	0.045	27.5	18.8	23.7	21.3	4020		159	167	10.6	1.052	0.0415	43.0				15.7%	84.3%	10.8%		89.2%				26.1%	73.9%			100.0%	100.0%	
Pickup	4	2016	99	0.052	27.8	19.1	24.5	21.8	4228		158	174	10.3	1.104	0.0415	46.4				23.9%	76.1%	6.7%		93.3%				39.1%	47.8%		13.2%	100.0%	86.8%	
Pickup	4	2017	-	0.040	27.7	19.1	24.1	21.7	4254		160	172	10.4	1.081	0.0407	46.4				25.0%	75.0%	10.3%		89.7%				32.0%	54.6%		13.4%	100.0%	86.6%	

					Fuel Economy (MPG)						Engine									Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	Weight (lb)	Vol (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	5	1975																																
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Pickup	5	2004	96	0.038	23.9	16.4	22.0	19.1	4076		211	215	9.1	1.019	0.0530	39.0				43.9%	56.1%	2.9%		97.1%					100.0%			100.0%	100.0%	
Pickup	5	2005	131	0.057	23.2	15.8	21.5	18.6	4141		211	215	9.1	1.019	0.0521	38.5				51.2%	48.8%	2.4%		97.6%					100.0%			100.0%	100.0%	
Pickup	5	2006	78	0.036	23.5	16.0	21.7	18.8	4162		211	215	9.2	1.019	0.0519	39.1				51.9%	48.1%	2.1%		97.9%					100.0%			100.0%	100.0%	
Pickup	5	2007	49	0.023	21.3	14.4	20.0	17.2	4160		223	208	9.5	0.931	0.0497	35.7				48.9%	51.1%			100.0%					100.0%				100.0%	
Pickup	5	2008	53	0.030	22.1	14.9	20.9	17.8	4124		223	190	10.0	0.853	0.0464	36.7				49.6%	50.4%			100.0%					100.0%				100.0%	
Pickup	5	2009	21	0.021	23.3	15.9	21.5	18.7	4294		223	245	8.5	1.099	0.0574	40.1				58.8%	41.2%	0.5%		99.5%					100.0%			100.0%	100.0%	
Pickup	5	2010	20	0.016	23.6	16.0	21.8	18.9	4281		226	245	8.6	1.084	0.0575	40.4				61.0%	39.0%	0.0%		100.0%					100.0%			100.0%	100.0%	
Pickup	5	2011	18	0.012	23.6	16.1	21.8	18.9	4276		226	242	8.7	1.071	0.0569	40.4				64.1%	35.9%			100.0%					100.0%			100.0%	100.0%	
Pickup	5	2012	38	0.028	23.8	16.2	22.0	19.1	4248		226	242	8.7	1.072	0.0573	40.4				57.2%	42.8%			100.0%					100.0%			100.0%	100.0%	
Pickup	5	2013																																
Pickup	5	2014																																
Pickup	5	2015																																
Pickup	5	2016																																
Pickup	5	2017																																

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	6	1975	144	0.107	17.1	13.7	15.8	14.6	4020		271	103		0.384	0.0256	29.5				3.3%	96.7%	16.3%	83.7%				100.0%							
Pickup	6	1976	272	0.146	18.9	15.1	17.4	16.0	4008		267	103		0.389	0.0257	32.3				5.3%	94.7%	35.3%	64.7%				100.0%							
Pickup	6	1977	254	0.125	19.0	15.3	17.3	16.2	4045		271	110		0.405	0.0272	32.9				10.8%	89.2%	29.6%	70.4%				100.0%							
Pickup	6	1978	347	0.153	18.5	14.9	16.8	15.7	4054		274	116	15.5	0.428	0.0287	32.1				11.4%	88.6%	30.9%	69.1%				99.7%				0.3%			
Pickup	6	1979	356	0.161	17.5	14.3	15.6	14.8	4173		266	122	15.6	0.464	0.0294	31.3				11.7%	88.3%	61.4%	36.2%	2.4%			99.2%				0.8%			
Pickup	6	1980	387	0.269	19.1	15.2	17.7	16.3	4027		271	121	15.6	0.451	0.0300	32.9				12.6%	87.4%	65.4%	15.1%	19.5%			99.8%				0.2%			
Pickup	6	1981	472	0.328	20.1	16.0	18.7	17.1	3934		274	120	15.4	0.444	0.0306	33.9				10.2%	89.8%	61.1%	17.0%	21.9%			100.0%							
Pickup	6	1982	480	0.333	21.7	17.1	20.5	18.5	3578		236	113	16.3	0.502	0.0321	33.2				8.9%	91.1%	56.6%	13.2%	30.2%			100.0%							
Pickup	6	1983	484	0.297	21.6	16.9	20.7	18.4	3653		228	112	15.2	0.516	0.0310	33.7				23.5%	76.5%	53.0%	14.4%	32.1%	0.6%		100.0%							
Pickup	6	1984	688	0.336	21.0	16.4	20.1	17.9	3676		227	110	15.3	0.510	0.0304	33.0				25.8%	74.2%	49.8%	19.7%	30.5%			100.0%							
Pickup	6	1985	591	0.284	21.7	16.9	20.8	18.5	3588		228	117	14.4	0.535	0.0327	33.1				26.8%	73.2%	52.4%	14.2%	33.5%			98.9%			1.1%				
Pickup	6	1986	601	0.237	21.1	16.5	19.9	17.9	3705		228	129	13.1	0.604	0.0354	33.2				30.7%	69.3%	53.0%	16.1%	30.9%			49.9%		23.3%	26.8%				
Pickup	6	1987	632	0.294	21.4	16.5	20.4	18.1	3647		222	136	12.8	0.638	0.0378	33.0				33.1%	66.9%	46.1%	8.3%	45.7%			18.5%		50.4%	31.2%				
Pickup	6	1988	746	0.304	21.4	16.4	20.5	18.1	3695		229	142	12.5	0.644	0.0388	33.4				34.3%	65.7%	49.8%	8.2%	42.0%					53.9%	46.1%				
Pickup	6	1989	732	0.328	20.9	16.0	19.8	17.6	3869		240	145	12.1	0.627	0.0378	34.1				33.6%	66.4%	51.5%	4.7%	43.8%					52.7%	47.3%				
Pickup	6	1990	593	0.323	21.0	15.9	20.1	17.7	3959		240	147	11.4	0.637	0.0376	35.0				30.0%	70.0%	46.3%	3.3%	50.3%					62.2%	37.8%				
Pickup	6	1991	769	0.400	21.9	16.3	21.0	18.3	3807		237	147	11.2	0.641	0.0390	34.8				25.8%	74.2%	51.7%	0.0%	48.3%					43.6%	56.4%				
Pickup	6	1992	792	0.430	21.2	15.7	20.4	17.7	3950		243	146	11.2	0.622	0.0375	35.0				23.2%	76.8%	48.6%		51.4%					56.4%	43.6%				
Pickup	6	1993	916	0.458	21.3	15.7	20.4	17.8	3944		239	150	10.4	0.645	0.0384	35.0				24.2%	75.8%	45.3%		54.7%					58.5%	41.5%				
Pickup	6	1994	1057	0.396	21.3	15.6	20.3	17.7	3984		245	162	10.0	0.675	0.0410	35.2				27.0%	73.0%	39.0%		61.0%					71.1%	28.9%		5.4%		
Pickup	6	1995	679	0.299	20.8	15.1	19.9	17.2	4123		256	161	10.3	0.645	0.0396	35.4				28.1%	71.9%	42.7%		57.3%					69.6%	30.4%		1.4%		
Pickup	6	1996	629	0.321	21.0	15.3	19.9	17.3	4104		249	168	10.6	0.688	0.0412	35.7				27.2%	72.8%	33.5%		66.5%					100.0%			10.1%		
Pickup	6	1997	674	0.280	21.5	15.4	20.3	17.6	4100		247	186	9.9	0.753	0.0453	36.2				21.5%	78.5%	27.8%		72.2%					100.0%			4.2%		
Pickup	6	1998	729	0.302	21.3	15.2	19.9	17.4	4064		238	180	10.4	0.760	0.0443	35.4				28.7%	71.3%	28.0%		72.0%					100.0%			7.1%		
Pickup	6	1999	794	0.312	20.9	14.9	19.4	17.0	4045		230	174	10.6	0.763	0.0430	34.5				33.0%	67.0%	23.9%		76.1%					100.0%			7.6%		
Pickup	6	2000	921	0.353	20.9	14.9	19.3	17.0	4080		228	175	10.2	0.774	0.0430	34.7				31.4%	68.6%	21.7%		78.3%					100.0%			7.0%		
Pickup	6	2001	854	0.339	20.7	14.7	19.0	16.8	4127		232	184	9.8	0.798	0.0447	34.6				28.2%	71.8%	16.4%		83.6%					100.0%			11.6%		
Pickup	6	2002	842	0.354	20.6	14.6	18.7	16.6	4192		232	186	9.9	0.806	0.0444	34.8				32.5%	67.5%	15.1%		84.9%					100.0%			19.8%		
Pickup	6	2003	852	0.344	20.9	14.7	18.9	16.8	4251		233	187	9.9	0.807	0.0441	35.7				30.5%	69.5%	15.0%		85.0%					100.0%			13.9%		
Pickup	6	2004	595	0.238	20.8	14.5	18.9	16.7	4256		227	192	9.7	0.849	0.0452	35.6				34.0%	66.0%	15.6%		84.4%					100.0%			17.9%		
Pickup	6	2005	529	0.230	21.1	14.5	19.2	16.9	4398		239	215	9.2	0.901	0.0492	37.1				30.2%	69.8%	12.4%		87.6%					100.0%			34.1%	34.1%	
Pickup	6	2006	595	0.272	21.4	14.8	19.5	17.1	4450		237	221	9.1	0.937	0.0499	38.1				36.5%	63.5%	10.8%		89.2%					100.0%			50.4%	50.4%	
Pickup	6	2007	506	0.239	21.4	14.8	19.5	17.1	4513		239	219	9.4	0.923	0.0489	38.7				34.9%	65.1%	8.8%		91.2%					100.0%			45.5%	38.7%	
Pickup	6	2008	434	0.242	21.4	14.8	19.5	17.1	4527		239	220	9.4	0.928	0.0490	38.8				34.9%	65.1%	7.3%		92.7%					100.0%			45.6%	19.5%	
Pickup	6	2009	181	0.182	22.0	15.2	19.8	17.5	4479		243	226	9.0	0.939	0.0510	39.3				48.1%	51.9%	4.7%		95.3%					100.0%			61.5%	18.2%	
Pickup	6	2010	210	0.164	21.8	15.1	19.8	17.4	4490		242	231	8.9	0.958	0.0517	39.2				50.9%	49.1%	4.1%		95.9%					100.0%			64.7%	64.7%	
Pickup	6	2011	438	0.296	22.3	15.4	20.4	17.9	4930		233	269	8.5	1.173	0.0542	44.3				53.0%	47.0%	2.7%		97.3%				25.8%	74.2%			74.4%	74.4%	
Pickup	6	2012	395	0.292	22.4	15.4	20.5	18.0	5125		231	287	8.2	1.266	0.0558	46.0				59.0%	41.0%	1.9%		98.1%				35.4%	64.6%			91.2%	91.2%	
Pickup	6	2013	552	0.350	22.9	15.7	21.1	18.3	5260		227	300	8.1	1.344	0.0567	48.2				61.3%	38.7%	1.3%		98.7%				43.7%	56.3%			94.1%	94.1%	
Pickup	6	2014	620	0.321	23.6	16.1	21.7	18.9	5227		233	295	8.0	1.288	0.0565	49.4				57.2%	42.8%	0.8%		99.2%				50.8%	49.2%			77.9%	97.7%	
Pickup	6	2015	713	0.399	24.7	16.9	22.4	19.7	4833		219	295	7.8	1.385	0.0612	47.8				63.1%	36.9%	1.1%		98.9%				57.9%	37.6%		4.5%	87.4%	95.5%	
Pickup	6	2016	875	0.459	25.3	17.2	22.9	20.1	4818		211	303	7.6	1.464	0.0631	48.5				63.2%	36.8%	0.8%		99.2%				56.9%	39.7%		3.4%	92.9%	96.6%	
Pickup	6	2017	-	0.408	25.5	17.4	23.0	20.2	4823		213	308	7.3	1.475	0.0639	48.9			2.4%	68.0%	29.6%	0.8%		99.2%				61.1%	37.5%		1.4%	90.5%	98.6%	

					Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission					Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	Prod (000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	8	1975	982	0.732	12.6	10.0	11.8	10.8	4274		353	158		0.446	0.0373	23.3				18.0%	82.0%	35.4%	64.6%				100.0%							
Pickup	8	1976	1367	0.732	13.2	10.6	12.0	11.2	4360		359	155		0.430	0.0358	24.6				27.5%	72.5%	32.4%	67.6%				100.0%							
Pickup	8	1977	1466	0.723	14.4	11.7	12.9	12.2	4366		360	164		0.457	0.0378	26.9				27.7%	72.3%	27.3%	72.7%				100.0%							
Pickup	8	1978	1582	0.698	14.0	11.5	12.5	11.9	4386		353	162	12.7	0.460	0.0373	26.4				34.7%	65.3%	27.9%	72.1%				98.4%				1.6%			
Pickup	8	1979	1393	0.631	13.6	11.3	12.1	11.6	4566		347	156	14.3	0.449	0.0344	27.0				10.2%	89.8%	18.6%	80.0%	1.5%			96.3%				3.7%			
Pickup	8	1980	500	0.348	15.9	12.8	14.6	13.6	4533		332	150	14.8	0.453	0.0333	31.3				28.5%	71.5%	19.5%	32.6%	47.9%			90.4%				9.6%			
Pickup	8	1981	470	0.326	17.4	13.8	16.1	14.8	4311		312	143	14.7	0.461	0.0334	32.2				17.0%	83.0%	16.8%	20.9%	62.2%			95.5%				4.5%			
Pickup	8	1982	476	0.331	17.8	14.2	16.5	15.1	4437		318	150	15.4	0.475	0.0341	34.4				20.7%	79.3%	13.7%	29.8%	56.5%			84.6%				15.4%			
Pickup	8	1983	437	0.269	17.2	13.6	16.1	14.7	4430		317	152	13.9	0.483	0.0346	33.3				25.6%	74.4%	11.5%	21.1%	66.5%		0.9%	92.9%				7.1%			
Pickup	8	1984	561	0.275	16.9	13.3	15.9	14.4	4463		316	154	13.8	0.489	0.0347	32.6				29.1%	70.9%	12.8%	21.5%	65.7%			96.1%				3.9%			
Pickup	8	1985	668	0.321	16.7	13.2	15.6	14.2	4437		315	159	13.4	0.506	0.0361	31.9				27.8%	72.2%	10.3%	25.3%	64.4%			85.1%		13.1%		1.8%			
Pickup	8	1986	675	0.267	17.4	13.6	16.3	14.7	4424		311	157	12.8	0.503	0.0356	32.8				30.2%	69.8%	11.9%	16.2%	72.0%			66.8%		32.2%		1.0%			
Pickup	8	1987	451	0.210	17.0	13.2	15.9	14.4	4482		320	170	12.5	0.527	0.0379	32.3			0.1%	34.1%	65.8%	14.4%	30.8%	54.8%			24.1%		30.0%	45.3%	0.6%			
Pickup	8	1988	800	0.325	17.5	13.4	16.7	14.8	4537		329	180	12.2	0.544	0.0397	33.6			0.0%	38.1%	61.9%	13.4%	17.2%	69.4%			0.6%		27.4%	71.4%	0.6%			
Pickup	8	1989	726	0.326	17.5	13.3	16.8	14.7	4502		330	184	11.5	0.556	0.0411	33.3				38.8%	61.2%	18.8%	9.1%	72.1%					29.3%	70.2%	0.5%			
Pickup	8	1990	688	0.375	17.3	13.0	16.8	14.5	4572		335	189	10.7	0.561	0.0414	33.4				38.0%	62.0%	14.0%	7.0%	79.1%					30.2%	69.3%	0.5%			
Pickup	8	1991	520	0.271	17.3	12.9	16.8	14.5	4542		331	190	10.7	0.573	0.0420	33.1				38.5%	61.5%	12.7%	2.0%	85.3%					30.8%	68.7%	0.6%			
Pickup	8	1992	577	0.313	17.4	12.9	17.0	14.6	4653		330	190	10.6	0.573	0.0410	34.0				40.7%	59.3%	12.5%	0.2%	87.4%					44.2%	55.4%	0.4%			
Pickup	8	1993	608	0.304	17.7	13.0	17.2	14.8	4691		331	200	9.6	0.606	0.0429	34.8			0.0%	43.0%	57.0%	8.1%		91.9%					45.1%	54.9%				
Pickup	8	1994	906	0.339	17.6	12.9	16.9	14.7	4706		334	205	9.4	0.615	0.0437	34.5				45.4%	54.6%	6.1%		93.9%					46.3%	53.7%				
Pickup	8	1995	939	0.414	17.3	12.6	16.6	14.4	4752		333	201	9.8	0.606	0.0425	34.3				48.9%	51.1%	9.4%		90.6%					50.1%	49.9%				
Pickup	8	1996	771	0.394	17.7	12.8	17.0	14.6	4815		332	226	9.6	0.680	0.0470	35.3				45.0%	55.0%	5.3%		94.7%		0.1%			99.5%		0.5%			
Pickup	8	1997	1269	0.527	18.3	13.1	17.6	15.1	4933		318	229	9.7	0.721	0.0465	37.3				52.2%	47.8%	4.6%		95.4%					99.9%		0.1%			
Pickup	8	1998	1070	0.443	18.0	12.8	17.3	14.8	4902		323	232	9.8	0.723	0.0477	36.4				52.6%	47.4%	4.1%		95.9%					99.9%		0.1%			
Pickup	8	1999	1359	0.534	18.1	12.9	17.1	14.9	5043		324	245	9.7	0.758	0.0490	37.5				62.5%	37.5%	2.4%		97.6%					100.0%		0.0%			
Pickup	8	2000	1254	0.480	18.8	13.4	17.5	15.3	4835		313	249	8.9	0.798	0.0517	37.1				54.1%	45.9%	2.0%		98.0%					100.0%			9.2%		
Pickup	8	2001	1388	0.551	18.2	12.9	17.0	14.8	5022		316	252	8.9	0.801	0.0503	37.4				51.2%	48.8%	2.0%		98.0%					100.0%			5.3%		
Pickup	8	2002	1372	0.576	18.3	12.9	16.9	14.8	5137		310	261	9.0	0.843	0.0511	38.2				52.0%	48.0%	1.5%		98.5%					100.0%			6.6%		
Pickup	8	2003	1333	0.539	18.5	13.0	16.9	14.9	5133		311	265	8.8	0.855	0.0518	38.3				51.5%	48.5%	1.2%		98.8%					100.0%			6.4%		
Pickup	8	2004	1657	0.661	18.5	13.0	16.9	14.9	5364		317	280	8.8	0.881	0.0524	40.1				54.2%	45.8%	0.6%		99.4%					100.0%			27.3%	21.6%	0.0%
Pickup	8	2005	1509	0.656	18.7	12.9	17.2	15.1	5370		316	287	8.6	0.906	0.0536	40.5				54.7%	45.3%	0.4%		99.6%					100.0%			33.3%	33.3%	0.1%
Pickup	8	2006	1349	0.617	19.0	13.1	17.3	15.2	5390		314	284	8.7	0.904	0.0529	41.1				53.4%	46.6%	0.4%		99.6%					100.0%			39.4%	39.4%	0.2%
Pickup	8	2007	1419	0.672	19.2	13.3	17.8	15.5	5544		318	299	8.6	0.937	0.0539	43.1				52.7%	47.3%	0.2%		99.8%					100.0%			33.6%	32.5%	0.0%
Pickup	8	2008	1178	0.657	19.6	13.4	18.2	15.8	5601		321	313	8.5	0.974	0.0559	44.6				56.0%	44.0%	0.2%		99.8%					100.0%			35.1%	35.0%	
Pickup	8	2009	694	0.702	20.1	13.7	18.8	16.2	5581		318	308	8.2	0.971	0.0553	45.4				56.0%	44.0%			99.7%	0.3%				100.0%			27.9%	31.3%	0.3%
Pickup	8	2010	960	0.752	20.3	13.9	19.0	16.4	5654		318	315	8.1	0.990	0.0557	46.4				62.3%	37.7%			99.9%	0.1%				100.0%			54.4%	61.2%	0.1%
Pickup	8	2011	923	0.624	20.4	14.0	19.3	16.6	5617		321	338	7.7	1.054	0.0602	46.7				68.6%	31.4%			99.8%	0.2%				100.0%			32.2%	95.0%	0.2%
Pickup	8	2012	853	0.628	20.4	13.9	19.3	16.6	5602		324	346	7.6	1.068	0.0619	46.6				67.5%	32.5%			99.9%	0.1%				100.0%			33.6%	95.6%	0.1%
Pickup	8	2013	958	0.607	20.7	14.1	19.6	16.8	5633		322	356	7.4	1.109	0.0633	47.5				67.3%	32.7%			99.9%	0.1%				100.0%			40.6%	97.6%	0.1%
Pickup	8	2014	1252	0.649	21.7	14.8	20.4	17.5	5684		328	361	7.3	1.103	0.0636	50.1				70.8%	29.2%			100.0%				44.2%	55.8%			32.1%	100.0%	
Pickup	8	2015	993	0.556	22.4	15.2	21.1	18.1	5495		328	358	7.2	1.092	0.0653	49.9				73.8%	26.2%			100.0%				55.4%	44.6%			25.5%	85.9%	
Pickup	8	2016	933	0.489	22.0	14.9	20.6	17.7	5560		329	360	7.1	1.098	0.0651	49.5				75.2%	24.8%			100.0%				44.3%	55.7%			29.9%	83.2%	0.1%
Pickup	8	2017	-	0.552	22.2	15.0	20.9	17.9	5631		333	369	7.1	1.110	0.0658	50.6				65.9%	34.1%			100.0%				55.6%	44.4%			25.5%	89.2%	0.1%

			Prod		Fuel Economy (MPG)				Weight	Vol	Engine								Drivetrain			Transmission						Fuel Metering					Multi-		
Vehicle Type	Cylinders	Model Year	(000)	Frac	Lab 55/45	Adj City	Hwy	Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Valve	VVT	Hybrid
Pickup	Other	1975																																
Pickup	Other	1976																																
Pickup	Other	1977																																
Pickup	Other	1978																																
Pickup	Other	1979																																
Pickup	Other	1980																																
Pickup	Other	1981																																
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Pickup	Other	2000																																
Pickup	Other	2001																																
Pickup	Other	2002																																
Pickup	Other	2003																																
Pickup	Other	2004	3	0.001	13.0	8.6	13.6	10.8	5135		505	500	5.2	0.990	0.0975	27.8					100.0%	100.0%							100.0%			100.0%			
Pickup	Other	2005	5	0.002	12.3	8.4	12.1	10.2	5825		505	500	6.0	0.990	0.0860	29.7					100.0%	35.0%		65.0%					100.0%						
Pickup	Other	2006	2	0.001	12.3	8.4	12.1	10.2	5833		505	500	6.0	0.990	0.0859	29.6					100.0%	33.4%		66.6%					100.0%						
Pickup	Other	2007																																
Pickup	Other	2008																																
Pickup	Other	2009																																
Pickup	Other	2010																																
Pickup	Other	2011																																
Pickup	Other	2012																																
Pickup	Other	2013																																
Pickup	Other	2014																																
Pickup	Other	2015																																
Pickup	Other	2016																																
Pickup	Other	2017																																

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	Carb, Fixed Valve Timing, Two-Valve	1986	3625	0.402	29.7	22.8	29.0	25.2	2879	105.9	163	96	14.1	0.650	0.0328	36.5	2754	3877	65.1%	2.1%	32.8%	33.0%	16.7%	50.3%		
Car	Carb, Fixed Valve Timing, Two-Valve	1987	2039	0.229	29.1	22.2	28.2	24.7	2929	106.8	168	99	14.4	0.656	0.0330	36.2	2718	3885	61.7%	3.5%	34.8%	30.9%	15.4%	53.6%		
Car	Carb, Fixed Valve Timing, Two-Valve	1988	861	0.092	31.0	23.6	29.7	26.1	2907	107.6	163	92	15.1	0.655	0.0310	37.8	2935	4103	64.9%	0.6%	34.4%	37.9%	8.7%	53.4%		
Car	Carb, Fixed Valve Timing, Two-Valve	1989	422	0.049	32.2	24.4	30.5	27.0	2840	106.0	139	84	15.2	0.686	0.0292	38.0	2932	4074	76.6%	0.2%	23.2%	45.7%	9.5%	44.9%		
Car	Carb, Fixed Valve Timing, Two-Valve	1990	33	0.014	22.8	16.5	23.2	19.2	4500	149.1	305	140	12.2	0.459	0.0311	43.2	2863	6442			100.0%			100.0%		
Car	Carb, Fixed Valve Timing, Two-Valve	1991	1	0.005	33.9	26.3	30.0	28.0	2045	86.4	72	57	15.3	0.786	0.0277	28.6	2422	2474	100.0%			100.0%				
Car	Carb, Fixed Valve Timing, Two-Valve	1992																								
Car	Carb, Fixed Valve Timing, Two-Valve	1993																								
Car	Carb, Fixed Valve Timing, Two-Valve	1994																								
Car	Carb, Fixed Valve Timing, Two-Valve	1995																								
Car	Carb, Fixed Valve Timing, Two-Valve	1996																								
Car	Carb, Fixed Valve Timing, Two-Valve	1997																								
Car	Carb, Fixed Valve Timing, Two-Valve	1998																								
Car	Carb, Fixed Valve Timing, Two-Valve	1999																								
Car	Carb, Fixed Valve Timing, Two-Valve	2000																								
Car	Carb, Fixed Valve Timing, Two-Valve	2001																								
Car	Carb, Fixed Valve Timing, Two-Valve	2002																								
Car	Carb, Fixed Valve Timing, Two-Valve	2003																								
Car	Carb, Fixed Valve Timing, Two-Valve	2004																								
Car	Carb, Fixed Valve Timing, Two-Valve	2005																								
Car	Carb, Fixed Valve Timing, Two-Valve	2006																								
Car	Carb, Fixed Valve Timing, Two-Valve	2007																								
Car	Carb, Fixed Valve Timing, Two-Valve	2008																								
Car	Carb, Fixed Valve Timing, Two-Valve	2009																								
Car	Carb, Fixed Valve Timing, Two-Valve	2010																								
Car	Carb, Fixed Valve Timing, Two-Valve	2011																								
Car	Carb, Fixed Valve Timing, Two-Valve	2012																								
Car	Carb, Fixed Valve Timing, Two-Valve	2013																								
Car	Carb, Fixed Valve Timing, Two-Valve	2014																								
Car	Carb, Fixed Valve Timing, Two-Valve	2015																								
Car	Carb, Fixed Valve Timing, Two-Valve	2016																								
Car	Carb, Fixed Valve Timing, Two-Valve	2017																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1986	180	0.012	32.3	24.8	31.3	27.4	2707	100.9	118	98	12.7	0.835	0.0364	37.3	2782	3776	100.0%			55.4%		44.6%		
Car	Carb, Fixed Valve Timing, Multi-Valve	1987	832	0.056	34.9	27.4	32.3	29.4	2491	93.5	98	76	15.5	0.766	0.0302	36.9	2766	3445	99.3%	0.7%		52.9%		47.1%		
Car	Carb, Fixed Valve Timing, Multi-Valve	1988	885	0.058	34.0	26.5	31.4	28.6	2549	96.0	100	84	14.7	0.834	0.0327	36.6	2762	3514	98.5%	1.5%		49.6%	0.1%	50.3%		
Car	Carb, Fixed Valve Timing, Multi-Valve	1989	552	0.038	34.0	26.2	31.4	28.4	2598	95.5	102	90	13.6	0.885	0.0346	37.0	2732	3538	100.0%			37.9%		59.8%	2.3%	
Car	Carb, Fixed Valve Timing, Multi-Valve	1990	89	0.007	36.2	28.0	32.6	30.1	2399	90.0	90	79	13.3	0.878	0.0331	36.1	2727	3253	100.0%			55.6%		44.4%		
Car	Carb, Fixed Valve Timing, Multi-Valve	1991	3	0.000	41.0	31.9	35.8	33.7	2088	88.6	73	66	13.5	0.904	0.0317	35.2	2990	3116	100.0%			100.0%				
Car	Carb, Fixed Valve Timing, Multi-Valve	1992	1	0.000	41.0	31.6	35.7	33.5	2087	88.6	73	66	13.2	0.904	0.0317	35.0	2973	3098	100.0%			100.0%				
Car	Carb, Fixed Valve Timing, Multi-Valve	1993																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1994																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1995																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1996																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1997																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1998																								
Car	Carb, Fixed Valve Timing, Multi-Valve	1999																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2000																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2001																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2002																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2003																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2004																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2005																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2006																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2007																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2008																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2009																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2010																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2011																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2012																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2013																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2014																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2015																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2016																								
Car	Carb, Fixed Valve Timing, Multi-Valve	2017																								
Car	TBI, Fixed Valve Timing, Two-Valve	1986	3132	0.257	28.5	21.7	27.9	24.2	2999	108.8	158	98	14.3	0.637	0.0326	36.3	2650	3955	85.4%		14.6%	10.0%	23.8%	66.2%		
Car	TBI, Fixed Valve Timing, Two-Valve	1987	3274	0.314	29.3	22.2	28.7	24.8	2920	107.4	148	97	14.3	0.671	0.0330	36.3	2683	3901	92.7%	0.2%	7.0%	14.9%	26.0%	59.1%		
Car	TBI, Fixed Valve Timing, Two-Valve	1988	3027	0.330	30.7	23.2	29.7	25.9	2840	107.0	141	97	14.4	0.709	0.0339	36.9	2796	3946	95.4%	1.3%	3.3%	19.9%	11.0%	69.1%		
Car	TBI, Fixed Valve Timing, Two-Valve	1989	2345	0.308	29.7	22.1	29.2	25.0	2954	107.9	157	105	13.5	0.699	0.0351	37.1	2738	4000	91.6%	0.8%	7.6%	14.3%	10.5%	75.2%		
Car	TBI, Fixed Valve Timing, Two-Valve	1990	1477	0.240	30.5	22.6	29.8	25.5	2925	105.5	145	101	12.9	0.717	0.0344	37.4	2726	3951	93.1%	1.0%	5.8%	14.0%	9.6%	76.4%		
Car	TBI, Fixed Valve Timing, Two-Valve	1991	1446	0.254	29.5	21.5	29.2	24.7	3032	106.8	164	109	12.7	0.698	0.0352	37.4	2671	4012	80.8%	1.0%	18.2%	15.3%	3.2%	81.5%		
Car	TBI, Fixed Valve Timing, Two-Valve	1992	688	0.165	29.5	21.6	28.6	24.6	3099	109.6	180	112	12.5	0.682	0.0349	38.0	2772	4202	70.1%		29.9%	19.5%	8.4%	72.1%		
Car	TBI, Fixed Valve Timing, Two-Valve	1993	579	0.136	30.6	22.3	29.4	25.4	3037	110.0	166	105	11.9	0.690	0.0336	38.5	2866	4259	77.7%	1.1%	21.2%	24.8%	5.5%	69.7%		
Car	TBI, Fixed Valve Timing, Two-Valve	1994	431	0.121	34.2	25.1	31.6	28.0	2622	100.4	118	84	12.6	0.741	0.0318	37.2	2918	3725	100.0%			30.3%	11.7%	58.0%		
Car	TBI, Fixed Valve Timing, Two-Valve	1995	109	0.084	38.9	28.8	34.4	31.4	2365	102.6	93	74	13.5	0.831	0.0308	37.9	3378	3885	100.0%			39.9%	34.8%	25.4%		
Car	TBI, Fixed Valve Timing, Two-Valve	1996	86	0.007	42.5	31.4	36.7	34.0	2144	100.0	86	66	14.3	0.778	0.0306	37.1	3490	3705	100.0%			42.9%	57.1%			
Car	TBI, Fixed Valve Timing, Two-Valve	1997	67	0.005	40.3	29.6	34.8	32.1	2202	90.5	76	67	14.6	0.889	0.0304	35.9	2973	3250	100.0%			26.3%	73.7%			
Car	TBI, Fixed Valve Timing, Two-Valve	1998	12	0.001	53.6	38.1	46.1	42.0	2000	89.7	60	55	15.3	0.917	0.0275	42.0	3765	3765	100.0%			100.0%				
Car	TBI, Fixed Valve Timing, Two-Valve	1999	8	0.001	50.3	35.4	43.5	39.3	2000	88.0	61	55	15.2	0.902	0.0275	39.3	3461	3461	100.0%			100.0%				
Car	TBI, Fixed Valve Timing, Two-Valve	2000	5	0.000	50.8	35.8	43.0	39.4	2000	88.0	61	55	14.6	0.902	0.0275	39.4	3464	3464			100.0%	100.0%				
Car	TBI, Fixed Valve Timing, Two-Valve	2001																								
Car	TBI, Fixed Valve Timing, Two-Valve	2002																								
Car	TBI, Fixed Valve Timing, Two-Valve	2003																								

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	TBI, Fixed Valve Timing, Two-Valve	2004																								
Car	TBI, Fixed Valve Timing, Two-Valve	2005																								
Car	TBI, Fixed Valve Timing, Two-Valve	2006																								
Car	TBI, Fixed Valve Timing, Two-Valve	2007																								
Car	TBI, Fixed Valve Timing, Two-Valve	2008																								
Car	TBI, Fixed Valve Timing, Two-Valve	2009																								
Car	TBI, Fixed Valve Timing, Two-Valve	2010																								
Car	TBI, Fixed Valve Timing, Two-Valve	2011																								
Car	TBI, Fixed Valve Timing, Two-Valve	2012																								
Car	TBI, Fixed Valve Timing, Two-Valve	2013																								
Car	TBI, Fixed Valve Timing, Two-Valve	2014																								
Car	TBI, Fixed Valve Timing, Two-Valve	2015																								
Car	TBI, Fixed Valve Timing, Two-Valve	2016																								
Car	TBI, Fixed Valve Timing, Two-Valve	2017																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1986																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1987																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1988	195	0.013	38.1	29.9	34.6	31.9	2379	94.5	91	71	15.6	0.775	0.0298	38.1	3030	3606	100.0%			57.1%		42.9%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1989	445	0.031	35.2	27.2	32.4	29.4	2475	98.7	95	91	13.0	0.961	0.0369	36.6	2919	3611	99.7%	0.2%	0.1%	53.6%		46.4%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1990	382	0.030	36.5	28.0	33.1	30.3	2513	97.7	94	91	12.2	0.971	0.0363	38.2	2966	3726	100.0%			59.2%		40.8%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1991	416	0.033	35.4	27.1	32.0	29.3	2591	95.1	94	97	12.2	1.031	0.0373	38.1	2804	3621	100.0%			47.9%	7.0%	45.1%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1992	155	0.013	32.6	24.5	30.0	26.9	2746	93.1	98	102	12.0	1.039	0.0371	37.2	2522	3463	100.0%			28.3%	20.3%	51.4%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1993	135	0.010	32.3	24.0	29.7	26.6	2776	99.3	103	111	10.8	1.062	0.0396	37.1	2664	3682	99.9%		0.1%	40.1%	14.3%	45.5%		
Car	TBI, Fixed Valve Timing, Multi-Valve	1994																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1995																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1996																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1997																								
Car	TBI, Fixed Valve Timing, Multi-Valve	1998																								
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Car	TBI, Fixed Valve Timing, Multi-Valve	2013																								
Car	TBI, Fixed Valve Timing, Multi-Valve	2014																								
Car	TBI, Fixed Valve Timing, Multi-Valve	2015																								
Car	TBI, Fixed Valve Timing, Multi-Valve	2016																								
Car	TBI, Fixed Valve Timing, Multi-Valve	2017																								
Car	Port, Fixed Valve Timing, Two-Valve	1986	3698	0.303	25.6	19.2	25.9	21.8	3271	109.2	187	136	11.7	0.768	0.0414	35.7	2412	3928	62.8%	1.1%	36.1%	23.1%	14.4%	62.5%		
Car	Port, Fixed Valve Timing, Two-Valve	1987	3815	0.349	25.2	18.8	25.7	21.5	3307	110.4	192	139	11.7	0.762	0.0418	35.6	2397	3953	65.3%	0.9%	33.8%	20.0%	12.5%	67.4%		
Car	Port, Fixed Valve Timing, Two-Valve	1988	4713	0.437	26.0	19.2	26.4	22.0	3319	111.0	193	137	12.2	0.736	0.0409	36.6	2463	4085	69.9%	0.5%	29.6%	15.8%	13.1%	71.2%		
Car	Port, Fixed Valve Timing, Two-Valve	1989	4804	0.473	26.1	19.1	26.4	22.0	3321	112.2	190	135	11.8	0.739	0.0406	36.6	2491	4124	74.3%	0.8%	25.0%	13.0%	13.6%	73.5%		
Car	Port, Fixed Valve Timing, Two-Valve	1990	4388	0.514	25.9	18.8	26.4	21.8	3407	112.9	194	139	11.1	0.739	0.0405	37.2	2487	4219	80.0%	0.2%	19.8%	10.1%	10.8%	79.2%		
Car	Port, Fixed Valve Timing, Two-Valve	1991	4162	0.508	26.3	19.0	26.6	22.1	3351	112.7	190	143	11.0	0.768	0.0423	37.1	2522	4194	82.0%	0.1%	18.0%	10.3%	9.3%	80.3%		
Car	Port, Fixed Valve Timing, Two-Valve	1992	4574	0.596	26.4	18.8	26.9	22.1	3373	113.0	193	147	10.6	0.777	0.0432	37.3	2519	4236	83.3%	0.7%	16.0%	8.1%	8.2%	83.7%		
Car	Port, Fixed Valve Timing, Two-Valve	1993	4773	0.625	27.2	19.3	27.4	22.7	3306	112.3	188	141	10.1	0.766	0.0423	37.5	2573	4235	84.1%	0.2%	15.7%	9.8%	6.7%	83.5%		
Car	Port, Fixed Valve Timing, Two-Valve	1994	4533	0.610	26.8	18.9	27.1	22.3	3389	112.8	195	147	9.9	0.766	0.0428	37.8	2541	4284	78.6%	0.7%	20.7%	8.9%	4.2%	86.9%		
Car	Port, Fixed Valve Timing, Two-Valve	1995	4377	0.560	27.0	18.8	27.5	22.5	3402	113.8	199	158	9.7	0.804	0.0457	38.3	2588	4364	78.9%	0.1%	20.9%	10.0%	0.1%	89.9%		
Car	Port, Fixed Valve Timing, Two-Valve	1996	3273	0.599	27.0	18.8	27.3	22.4	3426	112.7	196	159	10.0	0.822	0.0460	38.4	2543	4338	78.4%	0.5%	21.1%	9.9%		90.1%		
Car	Port, Fixed Valve Timing, Two-Valve	1997	3374	0.599	27.4	19.0	27.5	22.6	3383	113.2	191	159	10.0	0.840	0.0463	38.3	2578	4336	81.8%	0.4%	17.7%	9.8%		90.2%		
Car	Port, Fixed Valve Timing, Two-Valve	1998	3051	0.589	27.1	18.6	27.2	22.3	3391	111.9	194	164	10.0	0.848	0.0478	37.9	2514	4244	84.0%	0.1%	15.9%	9.0%	0.1%	90.8%		
Car	Port, Fixed Valve Timing, Two-Valve	1999	2941	0.565	27.1	18.5	26.9	22.2	3412	111.6	195	163	10.1	0.843	0.0472	37.9	2491	4235	83.1%		16.9%	8.8%	0.0%	91.2%		
Car	Port, Fixed Valve Timing, Two-Valve	2000	3155	0.550	27.3	18.6	27.0	22.3	3449	112.2	194	169	9.6	0.868	0.0481	38.5	2520	4335	81.7%		18.3%	9.8%	0.0%	90.2%		
Car	Port, Fixed Valve Timing, Two-Valve	2001	2691	0.506	27.6	18.6	27.1	22.4	3452	112.3	195	170	9.3	0.875	0.0487	38.8	2535	4366	83.6%		16.4%	8.2%	0.6%	91.2%		
Car	Port, Fixed Valve Timing, Two-Valve	2002	2464	0.465	28.2	18.9	27.3	22.8	3428	111.9	196	171	9.3	0.883	0.0495	39.1	2568	4388	85.4%		14.6%	8.4%		91.6%		
Car	Port, Fixed Valve Timing, Two-Valve	2003	2015	0.441	27.3	18.1	26.7	22.1	3612	115.3	207	183	9.0	0.892	0.0504	39.9	2561	4624	81.5%		18.5%	5.4%		94.6%		
Car	Port, Fixed Valve Timing, Two-Valve	2004	1669	0.374	26.9	17.7	26.4	21.8	3648	114.3	219	194	8.7	0.891	0.0531	39.8	2506	4572	77.0%		23.0%	5.9%		94.1%		
Car	Port, Fixed Valve Timing, Two-Valve	2005	1621	0.336	27.1	17.8	26.3	21.8	3712	116.3	222	201	8.6	0.918	0.0537	40.5	2553	4733	76.4%	0.4%	23.3%	4.4%		95.6%		
Car	Port, Fixed Valve Timing, Two-Valve	2006	1298	0.264	26.4	17.3	25.9	21.3	3806	116.6	238	221	8.3	0.931	0.0576	40.7	2509	4771	70.2%	0.9%	28.9%	3.9%		96.1%		
Car	Port, Fixed Valve Timing, Two-Valve	2007	681	0.225	25.5	16.7	25.0	20.6	3794	112.5	237	216	8.6	0.922	0.0566	39.0	2339	4426	58.5%	0.7%	40.8%	7.2%		92.8%		
Car	Port, Fixed Valve Timing, Two-Valve	2008	455	0.188	24.6	16.0	24.5	20.0	3987	113.7	266	246	8.0	0.919	0.0620	39.9	2293	4591	50.6%	0.2%	49.1%	7.1%		92.9%		
Car	Port, Fixed Valve Timing, Two-Valve	2009	123	0.115	24.0	15.7	23.7	19.5	4011	108.5	292	276	7.3	0.960	0.0701	39.2	2129	4345	18.4%	0.8%	80.9%	10.6%		89.4%		
Car	Port, Fixed Valve Timing, Two-Valve	2010	138	0.077	24.2	15.9	23.9	19.6	4025	103.4	302	296	7.0	0.966	0.0742	39.6	2041	4169			100.0%	30.9%		69.1%		
Car	Port, Fixed Valve Timing, Two-Valve	2011	117	0.039	24.5	16.2	24.2	20.0	4059	108.8	300	308	7.3	1.008	0.0761	40.6	2215	4487	15.8%		84.2%	19.2%		80.8%		
Car	Port, Fixed Valve Timing, Two-Valve	2012	62	0.019	25.9	17.4	25.4	21.2	3611	99.6	266	312	7.4	1.103	0.0809	38.6	2225	3890	44.4%		55.6%	35.6%		64.4%		
Car	Port, Fixed Valve Timing, Two-Valve	2013	62	0.009	25.8	17.4	25.0	21.0	3568	96.8	266	322	7.3	1.132	0.0846	37.9	2159	3722	44.8%		55.2%	34.7%		65.3%		
Car	Port, Fixed Valve Timing, Two-Valve	2014	58	0.005	29.2	20.1	27.1	23.6	3292	110.1	187	204	9.1	1.020	0.0569	39.2	2686	4312	74.7%		25.3%	28.4%		71.6%		
Car	Port, Fixed Valve Timing, Two-Valve	2015	50	0.003	30.4	19.9	29.1	24.3	3278	110.0	189	202	9.1	1.008	0.0569	40.3	2769	4430	74.1%		25.9%	28.3%		71.7%		
Car	Port, Fixed Valve Timing, Two-Valve	2016	2	0.000	21.0	14.0	21.1	17.3	4000	129.4	378	415	5.1	1.097	0.1038	34.7	2246	4492			100.0%	32.0%		68.0%		
Car	Port, Fixed Valve Timing, Two-Valve	2017	-	0.001	22.8	14.7	23.9	18.8	4423	116.3	389	461	4.9	1.187	0.1043	41.8	2193	4847			100.0%	16.2%		83.8%		
Car	Port, Fixed Valve Timing, Multi-Valve	1986	345	0.022	29.8	23.1	28.5	25.3	2833	90.5	119	125	11.3	1.048	0.0436	36.0	2303	3246	77.9%		22.1%	69.1%	2.4%	28.5%		
Car	Port, Fixed Valve Timing, Multi-Valve	1987	744	0.050	30.3	23.2	29.1	25.6	2965	97.4	122	125	11.8	1.020	0.0417	38.2	2532	3730	87.5%		12.5%	46.2%	1.5%	52.3%		
Car	Port, Fixed Valve Timing, Multi-Valve	1988	1055	0.069	28.9	21.9	28.0	24.4	3076	100.7	131	133	11.8	1.018	0.0430	37.7	2485	3804	91.1%	0.8%	8.1%	36.2%	1.0%	62.8%		
Car	Port, Fixed Valve Timing, Multi-Valve	1989	1446	0.100	28.5	21.4	27.7	24.0	3057	100.5	132	132	11.4	1.001	0.0430	36.8	2435	3706	84.9%	2.7%	12.3%	34.6%	1.6%	63.8%		

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	Port, Fixed Valve Timing, Multi-Valve	1990	2384	0.189	28.9	21.7	27.6	24.2	3004	98.7	126	132	10.8	1.043	0.0435	36.4	2409	3603	87.9%	2.6%	9.5%	33.7%	1.6%	64.5%	0.1%	
Car	Port, Fixed Valve Timing, Multi-Valve	1991	2277	0.181	29.2	21.8	27.6	24.3	2975	98.9	126	131	10.8	1.045	0.0437	36.2	2436	3595	85.9%	4.4%	9.7%	36.4%	1.4%	62.0%	0.2%	
Car	Port, Fixed Valve Timing, Multi-Valve	1992	2315	0.190	29.3	21.6	28.1	24.4	3047	101.4	128	134	10.6	1.050	0.0436	37.2	2511	3785	81.4%	2.4%	16.2%	32.3%	0.6%	67.1%	0.0%	
Car	Port, Fixed Valve Timing, Multi-Valve	1993	2567	0.194	29.3	21.4	28.2	24.3	3084	103.1	134	138	9.9	1.031	0.0442	37.6	2553	3884	90.6%	3.3%	6.1%	28.2%	2.0%	69.8%	0.0%	
Car	Port, Fixed Valve Timing, Multi-Valve	1994	2775	0.219	29.0	20.9	27.9	24.0	3127	104.2	140	144	9.7	1.032	0.0451	37.5	2534	3913	92.5%	0.2%	7.3%	24.6%	2.8%	72.6%		
Car	Port, Fixed Valve Timing, Multi-Valve	1995	3981	0.295	29.4	20.9	28.5	24.2	3129	104.9	140	147	9.9	1.058	0.0463	38.0	2574	3986	84.8%	2.6%	12.6%	20.9%	2.5%	76.6%		
Car	Port, Fixed Valve Timing, Multi-Valve	1996	3602	0.324	28.9	20.4	28.2	23.8	3191	107.4	145	151	10.1	1.046	0.0467	38.0	2581	4084	93.8%	2.8%	3.5%	16.2%	2.0%	81.9%		
Car	Port, Fixed Valve Timing, Multi-Valve	1997	3947	0.331	29.0	20.3	28.3	23.8	3193	107.0	145	152	10.1	1.052	0.0469	38.1	2571	4080	93.3%	3.2%	3.4%	14.4%		85.6%		
Car	Port, Fixed Valve Timing, Multi-Valve	1998	3428	0.308	29.5	20.5	28.5	24.1	3239	107.9	144	153	10.4	1.068	0.0466	39.0	2623	4216	91.9%	4.2%	3.8%	12.3%	0.7%	87.0%		
Car	Port, Fixed Valve Timing, Multi-Valve	1999	3983	0.326	28.8	19.9	27.9	23.5	3342	108.9	150	162	10.2	1.087	0.0479	39.3	2579	4286	92.5%	3.6%	3.9%	9.9%	1.1%	89.0%		
Car	Port, Fixed Valve Timing, Multi-Valve	2000	3812	0.298	28.3	19.4	27.2	23.0	3367	109.7	152	165	9.7	1.091	0.0484	38.6	2535	4247	89.4%	3.8%	6.8%	8.9%	2.5%	88.6%		
Car	Port, Fixed Valve Timing, Multi-Valve	2001	3309	0.296	27.9	19.0	26.8	22.6	3435	109.8	155	168	9.4	1.090	0.0483	38.9	2499	4279	88.1%	5.5%	6.3%	11.3%	1.6%	87.2%		
Car	Port, Fixed Valve Timing, Multi-Valve	2002	2993	0.280	27.5	18.7	26.1	22.2	3438	110.3	158	176	9.3	1.131	0.0506	38.1	2463	4211	84.9%	7.4%	7.7%	11.8%	0.5%	87.3%	0.4%	
Car	Port, Fixed Valve Timing, Multi-Valve	2003	2604	0.251	28.2	19.1	26.5	22.6	3416	107.5	156	173	9.2	1.126	0.0500	38.7	2457	4168	80.6%	6.7%	12.6%	14.1%		84.7%	1.2%	
Car	Port, Fixed Valve Timing, Multi-Valve	2004	2515	0.239	28.2	18.9	26.7	22.6	3458	110.7	158	179	9.1	1.146	0.0512	39.1	2523	4343	83.8%	9.6%	6.6%	10.8%	0.7%	87.1%	1.4%	
Car	Port, Fixed Valve Timing, Multi-Valve	2005	2231	0.204	28.2	18.8	26.5	22.5	3507	112.2	160	182	9.0	1.151	0.0514	39.5	2542	4452	75.2%	12.3%	12.4%	9.2%	0.3%	87.6%	2.8%	
Car	Port, Fixed Valve Timing, Multi-Valve	2006	1803	0.179	27.9	18.6	26.1	22.2	3574	115.5	166	191	8.8	1.165	0.0529	39.8	2580	4614	73.6%	9.7%	16.7%	8.9%	0.1%	87.4%	3.7%	
Car	Port, Fixed Valve Timing, Multi-Valve	2007	2123	0.200	29.2	19.4	27.4	23.3	3484	112.1	161	187	8.9	1.171	0.0527	40.7	2647	4572	79.9%	9.9%	10.2%	9.3%		89.4%	1.3%	
Car	Port, Fixed Valve Timing, Multi-Valve	2008	2100	0.221	29.8	19.8	27.9	23.7	3471	111.7	159	185	9.1	1.164	0.0524	41.3	2688	4622	74.9%	12.2%	12.9%	6.8%		91.5%	1.7%	
Car	Port, Fixed Valve Timing, Multi-Valve	2009	887	0.156	30.7	20.3	28.3	24.1	3402	110.2	154	179	9.0	1.161	0.0519	41.3	2708	4550	76.2%	11.9%	11.8%	5.9%		94.1%		
Car	Port, Fixed Valve Timing, Multi-Valve	2010	377	0.078	30.1	20.0	28.1	23.9	3518	112.6	169	194	8.9	1.152	0.0542	42.3	2754	4763	58.5%	1.5%	40.0%	3.9%		96.1%		
Car	Port, Fixed Valve Timing, Multi-Valve	2011	170	0.022	31.8	21.0	29.4	25.1	3391	111.5	166	200	8.7	1.196	0.0572	42.8	2852	4767	74.6%	3.5%	21.8%	7.5%		85.9%	6.5%	
Car	Port, Fixed Valve Timing, Multi-Valve	2012	23	0.004	32.5	22.1	28.2	25.2	3340	109.2	131	160	9.6	1.203	0.0472	42.2	2783	4616	62.2%	34.0%	3.9%	11.3%		31.9%	56.9%	
Car	Port, Fixed Valve Timing, Multi-Valve	2013	11	0.005	27.4	18.4	25.3	21.8	3706	39.6	218	348	8.0	1.412	0.0899	40.5	759	1517	58.7%		41.3%	41.3%		58.7%		
Car	Port, Fixed Valve Timing, Multi-Valve	2014	17	0.005	27.0	17.7	26.3	21.7	4000	114.4	254	393	5.8	1.487	0.0982	43.7	2523	5045	70.9%		29.1%	29.1%		70.9%		
Car	Port, Fixed Valve Timing, Multi-Valve	2015	15	0.010	28.3	18.7	26.9	22.6	4101	122.0	214	287	6.8	1.344	0.0702	46.3	2759	5649	79.8%	20.2%	0.0%			100.0%		
Car	Port, Fixed Valve Timing, Multi-Valve	2016																								
Car	Port, Fixed Valve Timing, Multi-Valve	2017	-	0.008	28.4	17.9	26.7	22.0	4098	122.0	214	287	6.8	1.344	0.0702	45.1	2688	5499	80.3%	19.7%				100.0%		
Car	Port, Variable Valve Timing, Two-Valve	1986																								
Car	Port, Variable Valve Timing, Two-Valve	1987																								
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Car	Port, Variable Valve Timing, Two-Valve	1990																								
Car	Port, Variable Valve Timing, Two-Valve	1991																								
Car	Port, Variable Valve Timing, Two-Valve	1992	5	0.000	18.2	13.3	18.0	15.3	4500	50.0	303	322	7.2	1.063	0.0716	34.4	765	1721			100.0%		100.0%			
Car	Port, Variable Valve Timing, Two-Valve	1993	0	0.000	17.9	12.9	18.1	15.1	4000	82.3	329	345	5.7	1.049	0.0863	30.2	1242	2485			100.0%	51.5%		48.5%		
Car	Port, Variable Valve Timing, Two-Valve	1994	0	0.000	16.6	11.0	19.8	14.2	4500	90.8	340	377	5.4	1.109	0.0838	32.0	1290	2903			100.0%	100.0%				
Car	Port, Variable Valve Timing, Two-Valve	1995	8	0.001	22.2	15.5	23.0	18.6	3581	57.7	229	275	6.2	1.209	0.0768	33.2	1061	1931			100.0%	79.7%	13.1%	7.2%		
Car	Port, Variable Valve Timing, Two-Valve	1996	8	0.001	21.0	14.6	21.5	17.5	3646	68.2	236	296	6.3	1.276	0.0816	32.2	1194	2226		34.9%	65.1%	75.8%	9.6%	14.6%		
Car	Port, Variable Valve Timing, Two-Valve	1997	7	0.000	21.3	14.7	21.8	17.7	3597	65.1	231	292	6.3	1.282	0.0816	32.0	1152	2105		29.3%	70.7%	78.1%	12.2%	9.7%		
Car	Port, Variable Valve Timing, Two-Valve	1998	4	0.000	21.4	14.8	21.6	17.7	3806	78.3	253	286	6.7	1.152	0.0754	33.7	1362	2677		11.7%	88.3%	59.3%	10.1%	30.6%		
Car	Port, Variable Valve Timing, Two-Valve	1999	3	0.000	22.0	15.0	22.7	18.3	4153	118.0	266	304	7.2	1.149	0.0735	38.0	2169	4477		84.7%	15.3%			100.0%		
Car	Port, Variable Valve Timing, Two-Valve	2000																								
Car	Port, Variable Valve Timing, Two-Valve	2001	38	0.002	25.6	17.4	24.9	20.8	3455	101.8	173	177	8.6	1.023	0.0512	36.0	2124	3660	98.1%		1.9%	46.2%		53.8%		
Car	Port, Variable Valve Timing, Two-Valve	2002																								
Car	Port, Variable Valve Timing, Two-Valve	2003	33	0.002	56.3	39.8	43.4	41.8	3000	101.5	82	85	12.3	1.037	0.0283	62.6	4240	6360	100.0%			19.1%			80.9%	
Car	Port, Variable Valve Timing, Two-Valve	2004	23	0.001	56.2	39.3	43.2	41.4	3000	101.5	82	85	11.9	1.037	0.0283	62.1	4203	6305	100.0%			20.0%			80.0%	
Car	Port, Variable Valve Timing, Two-Valve	2005	98	0.006	40.2	27.5	33.7	30.7	3000	112.5	102	118	10.1	1.146	0.0394	47.5	3519	5279	100.0%			11.1%		66.4%	22.6%	
Car	Port, Variable Valve Timing, Two-Valve	2006	190	0.017	30.8	20.5	28.4	24.4	3506	113.4	183	197	8.8	1.113	0.0551	44.6	2949	5041	93.8%	2.7%	3.6%	6.1%		77.5%	16.4%	
Car	Port, Variable Valve Timing, Two-Valve	2007	545	0.057	29.4	19.2	28.3	23.5	3786	116.2	205	200	8.8	0.995	0.0525	45.1	2790	5232	100.0%			0.6%		93.4%	6.0%	
Car	Port, Variable Valve Timing, Two-Valve	2008	438	0.048	29.0	18.8	28.6	23.3	3908	116.7	207	207	8.7	1.017	0.0527	46.3	2789	5396	98.6%		1.4%			92.7%	7.3%	
Car	Port, Variable Valve Timing, Two-Valve	2009	327	0.047	28.1	18.2	27.7	22.6	3988	117.5	225	227	8.3	1.019	0.0564	45.9	2731	5383	89.5%	0.2%	10.3%	2.7%		91.4%	5.8%	
Car	Port, Variable Valve Timing, Two-Valve	2010	296	0.068	30.0	19.5	29.2	24.1	3880	115.9	227	233	8.2	1.044	0.0587	48.2	2933	5556	77.2%	0.7%	22.1%	2.5%		80.1%	17.4%	
Car	Port, Variable Valve Timing, Two-Valve	2011	255	0.096	28.4	18.5	27.6	22.7	4016	121.2	230	228	8.4	0.994	0.0559	46.2	2810	5585	85.7%	1.9%	12.5%	1.7%		92.6%	5.7%	
Car	Port, Variable Valve Timing, Two-Valve	2012	70	0.061	27.9	18.2	27.1	22.4	4047	110.9	287	304	7.1	1.088	0.0719	48.0	2768	5295	25.9%	5.9%	68.2%	6.6%		67.5%	25.9%	
Car	Port, Variable Valve Timing, Two-Valve	2013	85	0.060	26.8	17.4	26.4	21.6	4127	112.0	300	320	6.9	1.089	0.0751	46.7	2644	5211	20.9%	10.5%	68.6%	9.3%		69.7%	20.9%	
Car	Port, Variable Valve Timing, Two-Valve	2014	81	0.053	24.8	16.1	25.1	20.2	4291	113.3	331	353	6.4	1.076	0.0812	44.5	2409	5038	9.7%	13.4%	76.8%	10.4%		79.9%	9.7%	
Car	Port, Variable Valve Timing, Two-Valve	2015	74	0.018	24.4	15.8	24.7	19.9	4343	111.7	348	410	5.6	1.175	0.0933	44.2	2321	4941	6.3%		93.7%	18.0%		75.7%	6.3%	
Car	Port, Variable Valve Timing, Two-Valve	2016	73	0.020	23.1	15.0	24.0	19.1	4501	114.5	368	468	5.0	1.265	0.1042	43.1	2201	4957			100.0%	17.9%		82.1%		
Car	Port, Variable Valve Timing, Two-Valve	2017	-	0.019	22.9	15.0	23.7	19.0	4495	115.3	359	465	5.1	1.282	0.1037	42.9	2209	4973			100.0%	15.3%		84.7%		
Car	Port, Variable Valve Timing, Multi-Valve	1986																								
Car	Port, Variable Valve Timing, Multi-Valve	1987																								
Car	Port, Variable Valve Timing, Multi-Valve	1988																								
Car	Port, Variable Valve Timing, Multi-Valve	1989																								
Car	Port, Variable Valve Timing, Multi-Valve	1990	54	0.004	23.0	17.1	22.6	19.3	4000	111.9	249	252	8.0	1.013	0.0630	38.7	2166	4331			100.0%			100.0%		
Car	Port, Variable Valve Timing, Multi-Valve	1991	208	0.017	30.2	22.2	29.4	25.2	3142	99.7	145	157	10.3	1.104	0.0482	40.0	2615	3980	64.9%		35.1%	29.0%		71.0%		
Car	Port, Variable Valve Timing, Multi-Valve	1992	366	0.030	28.5	20.8	27.7	23.8	3256	99.7	150	167	9.7	1.133	0.0498	39.1	2472	3889	60.4%		39.6%	31.0%	4.1%	64.9%		
Car	Port, Variable Valve Timing, Multi-Valve	1993	402	0.030	29.2	21.2	28.1	24.2	3213	96.8	140	161	9.2	1.168	0.0487	39.0	2403	3773	67.3%		32.7%	30.0%	4.0%	65.9%		
Car	Port, Variable Valve Timing, Multi-Valve	1994	675	0.048	30.2	21.8	29.0	24.9	3216	98.8	132	150	9.5	1.154	0.0459	40.2	2510	3982	80.6%		19.4%	28.4%	2.5%	69.1%		
Car	Port, Variable Valve Timing, Multi-Valve	1995	914	0.060	29.7	21.2	28.5	24.4	3276	102.3	142	159	9.4	1.136	0.0480	40.1	2535	4105	83.2%		16.8%	23.0%	2.6%	74.4%		
Car	Port, Variable Valve Timing, Multi-Valve	1996	913	0.069	29.8	21.1	28.7	24.5	3222	103.3	141	155	9.9	1.114	0.0474	39.6	2562	4090	87.0%		13.0%	23.7%	0.0%	76.1%	0.1%	
Car	Port, Variable Valve Timing, Multi-Valve	1997	934	0.065	29.2	20.6	28.1	23.9	3295	101.1	149	167	9.6	1.137	0.0499	39.6	2468	4012	74.7%		25.3%	21.4%	0.1%	77.8%	0.7%	
Car	Port, Variable Valve Timing, Multi-Valve	1998	1461	0.101	29.3	20.5	28.2	24.0	3294	103.8	147	164	9.9	1.123	0.0492	39.5	2521	4119	82.0%	2.2%	15.9%	17.5%	0.1%	82.0%	0.3%	
Car	Port, Variable Valve Timing, Multi-Valve	1999	1428	0.108	28.6	19.8	27.5	23.3	3336	104.8	151	172	9.7	1.136	0.0509	38.9	2470	4095	81.2%	2.8%	16.0%	17.1%	0.5%	82.3%	0.1%	
Car	Port, Variable Valve Timing, Multi-Valve	2000	2132	0.150	29.1	20.1	27.8	23.6	3262	105.8	148	173	9.1	1.171	0.0523	38.7	2539	4106	81.8%	2.1%	16.1%	16.5%	0.2%	83.2%	0.1%	
Car	Port, Variable Valve Timing, Multi-Valve	2001	2344	0.193	30.3	20.8	28.4	24.4	3220	105.2	143	168	9.2	1.168	0.0513	39.7	2639	4181	78.7%	3.8%	17.5%	14.1%	0.2%	84.9%	0.8%	
Car	Port, Variable Valve Timing, Multi-Valve	2002	2811	0.253	30.3	20.7	28.3	24.3	3312	108.1	148	172	9.3	1.159	0.0512	40.5	2678	4391	84.5%	3.4%	12.1%	12.5%	0.2%	86.5%	0.9%	
Car	Port, Variable Valve Timing, Multi-Valve	2003	3240	0.304	30.6	20.6	28.7	24.4	3303	107.9	149	176	9.0	1.179	0.0526	40.6	2689	4396	83.0%	3.1%	13.9%	11.8%		87.7%	0.5%	
Car	Port, Variable Valve Timing, Multi-Valve	2004	3307	0.384	30.4	20.3	28.4	24.2	3374	108.3	151	181	9.0	1.187	0.0526	41.2	2690	4479	80.3%	5.1%	14.7%	11.5%	0.1%	87.0%	1.5%	
Car	Port, Variable Valve Timing, Multi-Valve	2005	4040	0.451	31.1	20.7	28.7	24.6	3349	108.9	149	177	9.0	1.174	0.0517	41.8	2773	4576	83.1%	4.5%	12.4%	11.1%	0.1%	85.8%	3.0%	
Car	Port, Variable Valve Timing, Multi-Valve	2006	4651	0.537	30.5	20.3	28.4	24.2	3444	108.5	156	188	8.8	1.203	0.0537	42.2	2704	4596	77.3%	5.8%	16.9%	11.0%	0.1%	86.8%	2.1%	
Car	Port, Variable Valve Timing, Multi-Valve	2007	4703	0.515	31.9	21.2	29.3	25.2	3445	108.4	153	185	8.8	1.200	0.0528	44.1	2824	4800	81.8%	5.3%	13.0%	9.0%	0.0%	74.5%	16.5%	

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	Port, Variable Valve Timing, Multi-Valve	2008	4089	0.519	32.2	21.4	29.6	25.4	3446	108.1	152	187	8.9	1.211	0.0529	44.5	2845	4831	81.7%	5.4%	12.9%	9.0%	0.6%	71.8%	18.5%	
Car	Port, Variable Valve Timing, Multi-Valve	2009	4004	0.635	33.4	22.2	30.5	26.3	3391	109.9	145	174	9.0	1.192	0.0504	45.0	2951	4956	88.5%	4.4%	7.1%	6.5%	0.4%	78.5%	14.6%	
Car	Port, Variable Valve Timing, Multi-Valve	2010	4789	0.687	34.4	22.9	31.2	27.0	3390	110.5	145	174	9.0	1.190	0.0506	47.0	3094	5213	89.4%	5.1%	5.4%	4.6%	0.1%	77.8%	17.5%	
Car	Port, Variable Valve Timing, Multi-Valve	2011	4178	0.679	33.9	22.4	30.7	26.5	3462	110.5	150	183	8.8	1.219	0.0520	46.6	3008	5162	84.1%	6.9%	9.0%	4.9%	0.6%	78.9%	15.7%	
Car	Port, Variable Valve Timing, Multi-Valve	2012	5219	0.677	36.1	23.8	32.4	28.0	3399	110.8	143	175	8.9	1.219	0.0506	48.5	3189	5388	89.7%	4.5%	5.8%	4.8%	0.9%	74.2%	20.1%	
Car	Port, Variable Valve Timing, Multi-Valve	2013	4949	0.605	37.7	24.9	33.5	29.2	3372	109.8	139	175	8.8	1.260	0.0511	50.3	3306	5552	87.1%	5.4%	7.4%	5.5%	1.6%	68.2%	24.7%	
Car	Port, Variable Valve Timing, Multi-Valve	2014	4142	0.545	38.3	25.1	33.7	29.4	3398	110.8	140	176	8.8	1.253	0.0506	50.9	3358	5663	86.1%	5.2%	8.7%	4.3%	0.6%	52.4%	42.6%	
Car	Port, Variable Valve Timing, Multi-Valve	2015	4229	0.533	39.3	25.7	34.6	30.1	3374	111.6	140	174	8.8	1.233	0.0505	51.8			85.2%	7.4%	7.3%	3.8%	0.9%	45.9%	49.5%	
Car	Port, Variable Valve Timing, Multi-Valve	2016	3417	0.478	38.9	25.3	34.5	29.9	3388	112.9	143	179	8.7	1.244	0.0518	51.5			84.7%	7.3%	8.0%	2.8%	1.9%	46.6%	48.7%	
Car	Port, Variable Valve Timing, Multi-Valve	2017	-	0.444	40.2	26.3	35.0	30.6	3375	113.4	143	174	8.8	1.202	0.0506	53.2			86.6%	6.7%	6.8%	3.4%	0.8%	40.4%	55.4%	
Car	GDI, Fixed Valve Timing, Multi-Valve	1986																								
Car	GDI, Fixed Valve Timing, Multi-Valve	1987																								
Car	GDI, Fixed Valve Timing, Multi-Valve	1988																								
Car	GDI, Fixed Valve Timing, Multi-Valve	1989																								
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Car	GDI, Fixed Valve Timing, Multi-Valve	2005																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2006																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2007	4	0.000	30.6	20.2	28.8	24.3	3000	77.2	98	168	7.9	1.714	0.0560	36.5	1879	2819	100.0%			47.9%		52.1%		
Car	GDI, Fixed Valve Timing, Multi-Valve	2008	110	0.008	30.3	20.1	28.4	24.1	3756	104.3	122	202	8.0	1.650	0.0539	45.3	2515	4716	74.7%	25.3%		14.0%		74.3%	11.8%	
Car	GDI, Fixed Valve Timing, Multi-Valve	2009	95	0.010	30.7	20.6	28.1	24.3	3749	103.6	121	204	7.8	1.687	0.0547	45.6	2518	4713	66.1%	33.9%		10.2%		83.3%	6.6%	
Car	GDI, Fixed Valve Timing, Multi-Valve	2010																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2011																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2012																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2013																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2014																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2015																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2016																								
Car	GDI, Fixed Valve Timing, Multi-Valve	2017																								
Car	GDI, Variable Valve Timing, Multi-Valve	1986																								
Car	GDI, Variable Valve Timing, Multi-Valve	1987																								
Car	GDI, Variable Valve Timing, Multi-Valve	1988																								
Car	GDI, Variable Valve Timing, Multi-Valve	1989																								
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Car	GDI, Variable Valve Timing, Multi-Valve	2006																								
Car	GDI, Variable Valve Timing, Multi-Valve	2007	22	0.001	34.4	23.1	30.7	26.9	3108	75.0	103	193	7.4	1.860	0.0618	42.0	2068	3164	78.4%		21.6%	59.3%		40.7%		
Car	GDI, Variable Valve Timing, Multi-Valve	2008	123	0.015	26.4	17.5	25.3	21.2	3872	105.9	201	275	6.9	1.420	0.0704	41.3	2268	4374	25.5%	23.8%	50.7%	18.9%		79.0%	2.1%	
Car	GDI, Variable Valve Timing, Multi-Valve	2009	159	0.032	26.8	17.7	25.7	21.5	3970	101.0	187	284	6.7	1.549	0.0718	42.9	2192	4348	12.8%	39.0%	48.3%	18.7%	2.5%	78.6%	0.3%	
Car	GDI, Variable Valve Timing, Multi-Valve	2010	400	0.083	28.1	18.5	27.2	22.6	3945	106.8	175	261	7.2	1.523	0.0659	44.8	2431	4782	38.4%	26.6%	35.0%	11.0%	15.3%	71.2%	2.4%	
Car	GDI, Variable Valve Timing, Multi-Valve	2011	942	0.154	30.8	20.0	29.3	24.4	3830	111.7	167	248	7.3	1.511	0.0643	47.0	2777	5261	58.3%	19.0%	22.7%	5.8%	1.0%	87.9%	5.4%	
Car	GDI, Variable Valve Timing, Multi-Valve	2012	1875	0.225	33.5	21.8	31.3	26.4	3560	110.6	154	223	7.7	1.464	0.0614	47.1	2979	5215	71.8%	11.1%	17.1%	6.1%	4.5%	86.9%	2.4%	
Car	GDI, Variable Valve Timing, Multi-Valve	2013	2906	0.305	34.1	22.3	31.7	26.8	3586	111.4	149	222	7.7	1.500	0.0608	48.3	3037	5383	74.3%	11.5%	14.2%	4.7%	4.0%	80.5%	10.8%	
Car	GDI, Variable Valve Timing, Multi-Valve	2014	3081	0.327	34.4	22.5	31.8	27.0	3591	111.8	148	220	7.8	1.495	0.0601	48.6	3066	5441	73.2%	12.4%	14.3%	4.0%	6.0%	79.4%	10.6%	
Car	GDI, Variable Valve Timing, Multi-Valve	2015	3297	0.356	35.2	22.9	32.3	27.5	3597	111.9	144	218	7.8	1.525	0.0595	49.7			71.8%	14.1%	14.1%	4.7%	4.3%	78.9%	12.0%	
Car	GDI, Variable Valve Timing, Multi-Valve	2016	3468	0.427	36.9	24.0	33.4	28.6	3500	111.2	132	204	8.0	1.564	0.0574	50.4			75.7%	13.5%	10.8%	4.9%	7.0%	74.7%	13.5%	
Car	GDI, Variable Valve Timing, Multi-Valve	2017	-	0.452	37.3	24.4	33.3	28.8	3540	111.3	129	206	8.0	1.613	0.0573	51.5			70.9%	17.6%	11.4%	5.7%	6.9%	68.7%	18.7%	
Car	GDI, Variable Valve Timing, Two-Valve	1986																								
Car	GDI, Variable Valve Timing, Two-Valve	1987																								
Car	GDI, Variable Valve Timing, Two-Valve	1988																								
Car	GDI, Variable Valve Timing, Two-Valve	1989																								
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Car	GDI, Variable Valve Timing, Two-Valve	1992																								
Car	GDI, Variable Valve Timing, Two-Valve	1993																								

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	GDI, Variable Valve Timing, Two-Valve	1994																								
Car	GDI, Variable Valve Timing, Two-Valve	1995																								
Car	GDI, Variable Valve Timing, Two-Valve	1996																								
Car	GDI, Variable Valve Timing, Two-Valve	1997																								
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Car	GDI, Variable Valve Timing, Two-Valve	2012																								
Car	GDI, Variable Valve Timing, Two-Valve	2013																								
Car	GDI, Variable Valve Timing, Two-Valve	2014	35	0.047	25.9	16.3	27.7	21.3	3500	50.0	378	450	4.5	1.189	0.1286	37.2	1064	1862			100.0%	34.2%		65.8%		
Car	GDI, Variable Valve Timing, Two-Valve	2015	31	0.062	24.9	15.8	26.2	20.4	3630	50.0	378	499	4.1	1.319	0.1368	37.2	1030	1859			100.0%	31.3%		68.7%		
Car	GDI, Variable Valve Timing, Two-Valve	2016	58	0.052	24.6	15.7	26.4	20.4	3802	69.4	378	497	4.3	1.315	0.1307	38.9	1433	2765			100.0%	22.6%		77.4%		
Car	GDI, Variable Valve Timing, Two-Valve	2017	-	0.054	24.1	15.5	24.9	19.8	3888	68.8	378	489	4.4	1.291	0.1258	38.6	1376	2698			100.0%	35.2%		64.8%		
Car	Diesel	1986	35	0.004	40.5	32.0	37.5	34.3	2906	106.2	123	74	16.9	0.584	0.0246	50.2	3759	5330	72.5%		27.5%	70.5%	18.5%	10.9%		
Car	Diesel	1987	27	0.003	30.5	24.3	27.5	25.7	3584	110.8	172	129	13.2	0.737	0.0355	46.5	2910	5137	13.4%		86.6%	13.8%	86.2%			
Car	Diesel	1988	1	0.001	37.4	29.5	33.6	31.3	3000	95.9	152	93	14.9	0.612	0.0310	47.0	3005	4507			100.0%		100.0%			
Car	Diesel	1989	4	0.001	45.5	35.0	41.6	37.9	2813	103.0	102	55	19.1	0.541	0.0195	53.3	3930	5494	91.6%		8.4%	91.6%	8.4%			
Car	Diesel	1990	4	0.001	36.7	28.1	33.4	30.5	3280	107.5	141	93	14.9	0.643	0.0273	50.6	3400	5428	44.8%		55.2%	44.8%	55.2%			
Car	Diesel	1991	11	0.001	35.3	26.9	32.0	29.2	3346	107.4	148	96	14.7	0.635	0.0276	49.4	3269	5297	44.4%		55.6%	44.4%	55.6%			
Car	Diesel	1992	5	0.001	32.3	24.5	29.4	26.7	3691	110.2	154	115	13.1	0.737	0.0308	49.1	3013	5419	20.1%		79.9%	20.1%	79.9%			
Car	Diesel	1993																								
Car	Diesel	1994	1	0.000	27.8	20.0	26.9	23.0	5000	123.7	210	148	12.8	0.705	0.0296	57.5	2844	7111			100.0%		100.0%			
Car	Diesel	1995	6	0.000	33.9	24.6	31.5	27.7	4076	107.7	185	135	12.5	0.730	0.0332	56.4	2985	6079			100.0%		100.0%			
Car	Diesel	1996	8	0.001	42.5	30.4	39.0	34.3	3674	116.3	139	105	13.5	0.761	0.0284	63.5	4071	7404	65.2%		34.8%	65.2%	34.8%			
Car	Diesel	1997	6	0.001	41.4	29.3	37.9	33.3	3610	110.1	144	109	12.8	0.759	0.0299	61.0	3784	6730	57.6%		42.4%	57.6%		42.4%		
Car	Diesel	1998	15	0.001	46.3	32.3	42.2	36.9	3222	102.8	131	109	12.6	0.816	0.0330	59.7	3855	6128	77.8%		22.2%	77.8%		22.2%		
Car	Diesel	1999	14	0.001	44.4	30.9	40.2	35.2	3348	103.5	139	119	12.2	0.839	0.0347	59.5	3733	6138	65.2%		34.8%	62.8%		37.2%		
Car	Diesel	2000	21	0.001	49.8	34.3	43.8	38.9	3000	100.0	116	90	12.9	0.776	0.0300	58.6	3905	5858	100.0%			68.6%		31.4%		
Car	Diesel	2001	23	0.001	49.1	33.5	43.1	38.2	3103	100.1	116	90	13.1	0.776	0.0291	59.4	3841	5945	100.0%			60.1%		39.9%		
Car	Diesel	2002	33	0.002	47.8	32.3	42.2	37.1	3226	101.7	116	90	13.8	0.776	0.0281	59.9	3794	6109	100.0%			43.1%		56.9%		
Car	Diesel	2003	30	0.002	49.9	33.5	43.1	38.3	3207	105.7	116	90	13.4	0.776	0.0282	61.5	4065	6531	100.0%			68.5%		31.5%		
Car	Diesel	2004	22	0.001	44.3	29.1	39.8	34.3	3319	106.7	117	105	12.3	0.897	0.0317	57.1	3681	6103	100.0%			50.0%		50.0%		
Car	Diesel	2005	36	0.003	40.3	26.4	36.7	31.4	3571	111.1	132	128	11.6	0.958	0.0354	56.2	3507	6247	81.8%		18.2%	24.9%		75.1%		
Car	Diesel	2006	51	0.004	43.3	29.0	37.1	33.1	3531	105.8	125	111	12.5	0.879	0.0311	58.5	3513	6192	89.2%		10.8%	32.7%		67.3%		
Car	Diesel	2007	4	0.001	31.8	20.9	30.0	25.3	4572	130.7	182	212	8.9	1.164	0.0474	57.6	3281	7584		38.2%	61.8%			100.0%		
Car	Diesel	2008	5	0.001	32.5	21.6	29.8	25.6	4358	123.6	182	211	8.7	1.160	0.0493	55.6	3146	6911		23.9%	76.1%			100.0%		
Car	Diesel	2009	41	0.005	44.1	28.8	39.4	34.0	3546	107.0	124	146	10.1	1.174	0.0411	60.4	3649	6458	93.4%	0.9%	5.7%	22.1%		77.9%		
Car	Diesel	2010	62	0.007	45.2	29.2	40.9	34.9	3514	113.6	122	143	10.2	1.175	0.0407	61.4	3972	6972	97.2%		2.8%	25.5%	71.7%	2.8%		
Car	Diesel	2011	66	0.008	43.6	27.9	38.6	33.1	3605	108.1	130	157	9.9	1.196	0.0432	59.8	3605	6466	84.1%		15.9%	20.7%		79.3%		
Car	Diesel	2012	89	0.009	44.8	29.1	39.5	34.2	3543	110.9	122	143	10.3	1.167	0.0403	60.7	3811	6734	96.3%	1.2%	2.5%	22.0%	19.6%	58.5%		
Car	Diesel	2013	109	0.009	44.8	29.5	39.5	34.5	3519	111.4	121	141	10.4	1.166	0.0401	60.7	3852	6769	98.4%	0.5%	1.2%	15.4%		84.6%		
Car	Diesel	2014	120	0.010	44.6	29.0	39.8	34.3	3650	111.8	126	156	10.0	1.226	0.0424	62.6	3847	7007	79.0%	13.2%	7.8%	11.7%		88.3%		
Car	Diesel	2015	80	0.009	47.0	29.9	41.0	35.4	3712	114.5	123	156	10.0	1.268	0.0421	65.6	4058	7521	89.7%	7.3%	3.1%	15.9%		84.1%		
Car	Diesel	2016	6	0.005	41.9	27.1	38.9	32.8	4319	115.1	155	218	8.5	1.425	0.0504	70.7	3786	8143		68.9%	31.1%			100.0%		
Car	Diesel	2017	-	0.003	49.2	30.8	44.6	37.4	3722	104.7	109	157	9.6	1.432	0.0419	69.6	3922	7285	53.1%	25.0%	21.9%	13.7%		86.3%		
Car	Alternative Fuel	1986																								
Car	Alternative Fuel	1987																								
Car	Alternative Fuel	1988																								
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Car	Alternative Fuel	2008																								
Car	Alternative Fuel	2009																								
Car	Alternative Fuel	2010	0	0.000	85.7	59.4	60.8	60.2	4000	113.9		130	9.2		0.0325	120.3	6851	13703	100.0%					100.0%		
Car	Alternative Fuel	2011	15	0.001	104.1	76.0	69.0	71.8	3587	107.6	90	120	9.7	1.619	0.0332	144.7	8774	15765	92.1%		7.9%		8.2%	62.9%	28.9%	

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car	Alternative Fuel	2012	55	0.004	87.5	63.8	60.2	61.7	3768	110.3	97	154	9.0	1.470	0.0395	127.9	7587	14181	87.5%	5.4%	7.1%		9.9%	31.0%	59.1%	
Car	Alternative Fuel	2013	105	0.007	102.7	91.7	73.2	80.2	3866	112.9	102	175	8.6	1.577	0.0440	172.8	10092	19513	82.2%	16.9%	0.8%		17.8%	29.6%	52.6%	
Car	Alternative Fuel	2014	105	0.007	99.5	76.1	60.7	66.5	3838	109.3	98	185	8.1	1.909	0.0469	141.2	8077	15514	70.8%	2.8%	26.3%		30.6%	18.1%	51.3%	
Car	Alternative Fuel	2015	124	0.007	113.7	86.7	70.7	76.8	3839	109.7	99	195	8.0	2.168	0.0483	167.4	9660	18612	68.8%	18.0%	13.3%		32.6%	40.1%	27.3%	
Car	Alternative Fuel	2016	105	0.008	124.4	96.4	82.9	88.2	4045	110.9	105	191	7.4	1.251	0.0446	191.6	10560	21468	64.9%	20.7%	14.4%		39.3%	31.1%	29.5%	
Car	Alternative Fuel	2017	-	0.019	120.7	92.4	71.6	79.3	3903	110.5	102	153	7.7	1.141	0.0384	171.9	9789	19172	73.7%	7.3%	19.0%		37.8%	22.0%	40.3%	
Car SUV	Carb, Fixed Valve Timing, Two-Valve	1999																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2000																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2001																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2002																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2003																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2004																								
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Car SUV	Carb, Fixed Valve Timing, Two-Valve	2006																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2007																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2008																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2009																								
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Car SUV	Carb, Fixed Valve Timing, Two-Valve	2012																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2013																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2014																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2015																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2016																								
Car SUV	Carb, Fixed Valve Timing, Two-Valve	2017																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	1999																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2000																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2001																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2002																								
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Car SUV	TBI, Fixed Valve Timing, Two-Valve	2013																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2014																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2015																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2016																								
Car SUV	TBI, Fixed Valve Timing, Two-Valve	2017																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	1999	301	0.565	21.9	15.5	20.6	17.9	3921		243	169	10.5	0.703	0.0432	35.1	2229	4368			100.0%	5.4%		94.6%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2000	407	0.550	21.3	15.0	19.9	17.3	3939		239	176	9.9	0.745	0.0446	34.1	2108	4148			100.0%	4.0%		96.0%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2001	423	0.506	22.3	15.8	20.6	18.1	3860		220	183	9.5	0.852	0.0474	35.1	2234	4316	12.2%		87.8%	4.3%		95.7%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2002	179	0.465	22.8	15.8	21.5	18.5	3916		223	188	9.5	0.861	0.0479	36.6	2401	4704	39.7%		60.3%	3.6%		96.4%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2003	183	0.441	22.5	15.7	20.6	18.1	3919		217	190	9.4	0.883	0.0483	35.6	2232	4375	19.7%		80.3%	3.5%		96.5%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2004	156	0.374	23.3	15.8	22.0	18.8	4000		214	191	9.5	0.895	0.0477	37.8	2508	5016	38.0%		62.0%	2.1%		97.9%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2005	264	0.336	24.4	16.4	22.9	19.6	4000		207	188	9.4	0.908	0.0471	39.3	2866	5732	46.1%	39.6%	14.3%	0.2%		99.8%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2006	68	0.264	23.8	16.0	22.5	19.2	4000		219	205	9.1	0.934	0.0512	38.5	2670	5340	52.4%		47.6%	1.5%		98.5%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2007	159	0.225	24.6	16.5	23.1	19.7	4000		209	191	9.5	0.915	0.0478	39.5	2887	5774	64.8%	20.9%	14.3%	1.7%		98.3%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2008	96	0.188	25.4	17.0	24.0	20.4	4000		204	185	9.7	0.907	0.0463	40.8	3062	6123	67.5%	32.5%				100.0%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2009	36	0.115	25.4	17.0	23.9	20.4	4000		204	185	9.4	0.907	0.0463	40.8	3060	6119	68.3%	31.7%				100.0%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2010																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2011																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2012	25	0.019	23.5	16.0	21.8	18.9	4000		226	210	9.0	0.930	0.0525	37.7					100.0%			100.0%		
Car SUV	Port, Fixed Valve Timing, Two-Valve	2013																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2014																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2015																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2016																								
Car SUV	Port, Fixed Valve Timing, Two-Valve	2017																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	1999	165	0.326	24.3	17.7	21.6	19.6	3645		156	164	10.8	1.056	0.0446	35.9	2305	4182	31.9%		68.1%	15.2%		84.8%		
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2000	179	0.298	23.7	17.2	21.0	19.1	3691		154	161	10.5	1.052	0.0434	35.3	2222	4090	26.6%		73.4%	10.6%		89.4%		
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2001	246	0.296	24.1	17.0	22.1	19.5	3697		161	173	9.9	1.074	0.0469	36.2	2405	4441	60.9%		39.1%	9.7%		90.3%		
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2002	314	0.280	23.4	16.4	21.4	18.8	3774		174	177	9.9	1.021	0.0471	35.8	2320	4370	48.9%		51.1%	11.2%		88.6%	0.2%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2003	279	0.251	25.5	17.5	23.5	20.4	3666		166	172	9.8	1.036	0.0472	37.6	2582	4724	84.5%		15.5%	11.4%		79.5%	9.1%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2004	240	0.239	25.0	17.1	23.1	20.0	3793		177	181	9.6	1.026	0.0479	38.1	2528	4786	84.7%		15.3%	13.1%		81.9%	4.9%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2005	327	0.204	26.2	18.0	23.4	20.7	3680		163	174	9.7	1.076	0.0475	38.2	2614	4803	97.3%		2.7%	7.8%		90.9%	1.3%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2006	432	0.179	25.8	17.6	23.4	20.5	3813		175	176	9.8	1.015	0.0462	39.2	2759	5265	82.8%	11.8%	5.4%	4.1%		94.0%	1.9%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2007	329	0.200	25.7	17.5	23.4	20.4	4035		184	210	9.3	1.128	0.0513	41.3	2740	5528	94.3%		5.7%	2.7%		95.1%	2.2%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2008	306	0.221	26.7	18.1	24.3	21.2	3941		181	208	9.0	1.137	0.0523	42.1	2850	5640	98.7%		1.3%	1.0%		92.8%	6.2%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2009	124	0.156	26.5	17.9	24.4	21.1	3949		185	226	8.3	1.221	0.0576	41.6	2796	5534	93.1%		6.9%	0.4%		98.5%	1.1%	
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2010	1	0.078	26.6	18.4	23.5	21.0	4000		165	173	10.3	1.048	0.0433	42.0	2624	5248	100.0%					100.0%		
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2011	2	0.022	22.8	15.4	21.5	18.4	4014		234	225	8.5	0.962	0.0561	36.9	2296	4608	100.0%					100.0%		
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2012																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2013																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2014																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2015																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2016																								
Car SUV	Port, Fixed Valve Timing, Multi-Valve	2017																								

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car SUV	Port, Variable Valve Timing, Two-Valve	1999																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2000																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2001																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2002																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2003																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2004																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2005																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2006	32	0.017	26.5	17.6	25.4	21.3	4000		213	255	7.7	1.197	0.0638	42.6	2663	5326	100.0%					100.0%		
Car SUV	Port, Variable Valve Timing, Two-Valve	2007																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2008																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2009																								
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Car SUV	Port, Variable Valve Timing, Two-Valve	2013																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2014																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2015																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2016																								
Car SUV	Port, Variable Valve Timing, Two-Valve	2017																								
Car SUV	Port, Variable Valve Timing, Multi-Valve	1999	22	0.108	24.5	17.5	22.5	19.9	4000		183	220	9.2	1.202	0.0550	39.7	2484	4968	100.0%					100.0%		
Car SUV	Port, Variable Valve Timing, Multi-Valve	2000	31	0.150	24.2	17.2	22.2	19.6	4000		183	220	8.8	1.202	0.0550	39.2	2448	4897	100.0%					100.0%		
Car SUV	Port, Variable Valve Timing, Multi-Valve	2001	74	0.193	27.1	19.1	24.4	21.7	3454		150	181	9.3	1.208	0.0519	37.4	2417	4173	100.0%			5.1%		94.9%		
Car SUV	Port, Variable Valve Timing, Multi-Valve	2002	110	0.253	28.2	19.8	25.2	22.5	3396		144	170	9.7	1.183	0.0499	38.1	2549	4336	100.0%			3.3%		96.7%		
Car SUV	Port, Variable Valve Timing, Multi-Valve	2003	113	0.304	27.8	19.4	24.8	22.1	3510		160	188	9.2	1.171	0.0528	38.8	2701	4782	95.0%		5.0%	2.6%		76.5%	20.9%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2004	242	0.384	26.0	17.8	23.9	20.8	3820		190	218	8.5	1.145	0.0566	39.7	2599	4966	83.8%	8.9%	7.3%	0.9%		87.4%	11.7%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2005	222	0.451	25.4	17.3	23.4	20.3	3913		194	223	8.4	1.143	0.0566	39.6	2613	5102	73.1%	6.0%	20.9%	1.7%		83.9%	14.5%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2006	220	0.537	26.0	17.7	23.7	20.7	3942		185	211	8.9	1.137	0.0528	40.8	2765	5401	72.3%	6.0%	21.7%	2.2%		83.8%	14.0%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2007	430	0.515	26.7	18.1	24.3	21.2	3835		178	213	8.8	1.206	0.0550	40.7	2742	5230	86.2%	2.2%	11.6%	0.7%		92.6%	6.7%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2008	501	0.519	26.9	18.3	24.6	21.4	3856		174	203	9.2	1.165	0.0522	41.4	2755	5279	83.1%	3.6%	13.3%	0.7%		92.6%	6.7%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2009	441	0.635	28.5	19.3	25.7	22.5	3802		171	202	8.8	1.173	0.0527	43.1	2939	5572	93.8%	1.2%	5.0%	0.7%		81.0%	18.4%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2010	675	0.687	29.0	19.6	26.2	22.9	3879		176	213	8.6	1.208	0.0546	44.5	2997	5804	96.0%	0.3%	3.7%	0.3%		88.4%	11.3%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2011	871	0.679	30.1	20.3	27.0	23.6	3799		169	206	8.7	1.214	0.0539	44.9	3056	5805	97.1%	0.8%	2.1%	0.7%		88.2%	11.1%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2012	740	0.677	30.1	20.3	26.9	23.6	3784		170	209	8.6	1.226	0.0549	44.7			92.4%	4.3%	3.3%	0.7%		80.2%	19.1%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2013	790	0.605	30.9	20.7	27.8	24.2	3913		173	216	8.5	1.244	0.0547	47.4			95.0%	3.6%	1.4%	0.4%		80.9%	18.7%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2014	753	0.545	32.0	21.4	28.7	25.0	3778		160	199	8.8	1.251	0.0522	47.4			97.4%	0.6%	2.0%	1.0%		79.7%	19.3%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2015	803	0.533	32.9	22.1	29.1	25.6	3782		153	191	8.9	1.266	0.0501	48.6			96.8%	2.6%	0.6%	1.0%		71.0%	28.0%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2016	936	0.478	34.4	23.1	30.1	26.6	3667		141	178	9.2	1.280	0.0482	48.9			89.8%	9.9%	0.3%	1.2%		59.9%	39.0%	
Car SUV	Port, Variable Valve Timing, Multi-Valve	2017	-	0.444	33.5	22.4	29.6	26.0	3764		147	186	9.1	1.280	0.0490	49.0			90.3%	9.4%	0.3%	1.3%		77.2%	21.5%	
Car SUV	GDI, Variable Valve Timing, Multi-Valve	1999																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2000																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2001																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2002																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2003																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2004																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2005																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2006																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2007																								
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2008	20	0.015	24.9	16.9	22.9	19.9	4000		140	244	7.6	1.743	0.0610	39.8	2485	4970	100.0%					100.0%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2009	8	0.032	25.4	17.5	22.8	20.2	4000		140	244	7.4	1.743	0.0610	40.3	2521	5043	100.0%					100.0%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2010	240	0.083	29.5	19.6	27.5	23.4	4148		160	215	8.9	1.332	0.0516	49.2	3313	6850	67.0%	33.0%				100.0%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2011	333	0.154	29.3	19.4	27.3	23.3	4126		158	210	9.0	1.321	0.0506	48.5	3539	7270	66.9%	33.1%				100.0%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2012	500	0.225	29.3	19.3	27.1	23.1	4105		161	213	8.9	1.326	0.0517	48.0			69.7%	30.3%		0.1%		99.9%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2013	724	0.305	31.4	20.7	28.5	24.5	4023		146	211	8.8	1.468	0.0521	49.6			85.8%	12.4%	1.8%	0.3%		99.7%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2014	812	0.327	30.7	20.3	27.6	23.9	3946		148	208	8.7	1.435	0.0524	47.4			85.0%	14.4%	0.7%	0.4%		99.6%		
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2015	898	0.356	31.7	21.1	28.4	24.7	3945		153	213	8.6	1.404	0.0536	49.1			84.9%	13.0%	2.1%	0.1%		86.8%	13.0%	
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2016	917	0.427	32.7	21.9	29.0	25.5	3867		143	206	8.6	1.466	0.0530	49.6			82.6%	15.3%	2.2%	0.1%	6.0%	78.8%	15.0%	
Car SUV	GDI, Variable Valve Timing, Multi-Valve	2017	-	0.452	32.8	21.8	29.0	25.4	3963		137	209	8.6	1.587	0.0525	50.5			83.8%	15.0%	1.3%		5.2%	83.1%	11.6%	
Car SUV	Diesel	1999																								
Car SUV	Diesel	2000																								
Car SUV	Diesel	2001																								
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Car SUV	Diesel	2017																								
Car SUV	Alternative Fuel	1999																								
Car SUV	Alternative Fuel	2000																								
Car SUV	Alternative Fuel	2001																								
Car SUV	Alternative Fuel	2002																								
Car SUV	Alternative Fuel	2003																								
Car SUV	Alternative Fuel	2004																								

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Car SUV	Alternative Fuel	2005																								
Car SUV	Alternative Fuel	2006																								
Car SUV	Alternative Fuel	2007																								
Car SUV	Alternative Fuel	2008																								
Car SUV	Alternative Fuel	2009																								
Car SUV	Alternative Fuel	2010																								
Car SUV	Alternative Fuel	2011																								
Car SUV	Alternative Fuel	2012	0	0.004	108.2	77.9	73.3	75.2	4036			153	7.7		0.0380	151.7			100.0%					2.4%	97.6%	
Car SUV	Alternative Fuel	2013	1	0.007	107.9	77.5	73.2	75.0	4062			152	7.0		0.0377	152.1			100.0%					4.2%	95.8%	
Car SUV	Alternative Fuel	2014	1	0.007	107.9	77.6	73.2	75.0	4059			152	7.0		0.0377	152.1			100.0%					3.9%	96.1%	
Car SUV	Alternative Fuel	2015	0	0.007	71.1	49.3	50.7	50.1	4500			134	12.5		0.0298	112.7			100.0%				100.0%			
Car SUV	Alternative Fuel	2016	18	0.008	124.1	89.5	93.0	91.5	5515			404	4.8		0.0733	252.7			0.3%	99.7%			100.0%			
Car SUV	Alternative Fuel	2017	-	0.019	123.7	88.9	93.0	91.2	5557			756	3.6		0.1361	254.0			0.8%	99.2%			99.8%	0.2%		
Van	Carb, Fixed Valve Timing, Two-Valve	1999																								
Van	Carb, Fixed Valve Timing, Two-Valve	2000																								
Van	Carb, Fixed Valve Timing, Two-Valve	2001																								
Van	Carb, Fixed Valve Timing, Two-Valve	2002																								
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Van	Carb, Fixed Valve Timing, Two-Valve	2010																								
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Van	Carb, Fixed Valve Timing, Two-Valve	2012																								
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Van	Carb, Fixed Valve Timing, Two-Valve	2014																								
Van	Carb, Fixed Valve Timing, Two-Valve	2015																								
Van	Carb, Fixed Valve Timing, Two-Valve	2016																								
Van	Carb, Fixed Valve Timing, Two-Valve	2017																								
Van	TBI, Fixed Valve Timing, Two-Valve	1999																								
Van	TBI, Fixed Valve Timing, Two-Valve	2000																								
Van	TBI, Fixed Valve Timing, Two-Valve	2001																								
Van	TBI, Fixed Valve Timing, Two-Valve	2002																								
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Van	TBI, Fixed Valve Timing, Two-Valve	2013																								
Van	TBI, Fixed Valve Timing, Two-Valve	2014																								
Van	TBI, Fixed Valve Timing, Two-Valve	2015																								
Van	TBI, Fixed Valve Timing, Two-Valve	2016																								
Van	TBI, Fixed Valve Timing, Two-Valve	2017																								
Van	Port, Fixed Valve Timing, Two-Valve	1999	1281	0.565	22.0	15.4	21.2	18.0	4330		229	183	11.1	0.806	0.0422	39.2			72.6%	3.1%	24.3%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2000	1325	0.550	22.4	15.6	21.5	18.3	4306		226	182	10.6	0.812	0.0423	39.6			75.3%	3.5%	21.3%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2001	954	0.506	21.6	15.0	20.7	17.6	4602		241	204	10.1	0.855	0.0443	40.8			60.3%	11.2%	28.5%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2002	890	0.465	22.8	15.7	21.6	18.5	4407		226	194	10.3	0.865	0.0441	41.1			78.1%	4.2%	17.6%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2003	914	0.441	23.5	16.0	22.2	19.0	4381		226	196	10.1	0.874	0.0448	41.7			77.8%	6.8%	15.4%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2004	454	0.374	23.0	15.5	21.9	18.6	4445		233	198	10.1	0.857	0.0446	41.4			77.7%	4.6%	17.8%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2005	919	0.336	23.6	15.9	22.3	19.0	4388		224	199	10.0	0.890	0.0453	41.7			89.1%	2.2%	8.6%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2006	617	0.264	23.5	15.7	22.3	18.9	4505		226	198	10.2	0.880	0.0440	42.6			87.3%	2.0%	10.8%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2007	327	0.225	23.3	15.5	22.3	18.8	4498		226	198	10.4	0.875	0.0439	42.2			90.3%	1.2%	8.5%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2008	295	0.188	23.8	15.9	22.6	19.2	4573		225	176	11.0	0.783	0.0384	43.9			90.4%	1.4%	8.2%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2009	151	0.115	23.8	16.0	22.7	19.2	4577		223	189	10.3	0.855	0.0412	44.0			90.1%	1.6%	8.3%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2010	263	0.077	24.0	16.0	23.1	19.4	4516		224	191	10.1	0.852	0.0423	43.8			96.8%		3.2%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2011	11	0.039	20.0	14.0	18.3	16.1	5325		275	209	10.8	0.758	0.0392	43.0					100.0%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2012	18	0.019	20.5	14.2	18.8	16.5	5192		271	206	10.8	0.761	0.0398	43.0					100.0%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2013	12	0.009	20.2	14.1	18.4	16.3	5254		272	205	10.9	0.754	0.0391	42.9					100.0%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2014	15	0.005	19.5	13.5	18.0	15.7	5181		270	203	10.9	0.750	0.0391	40.8					100.0%			100.0%		
Van	Port, Fixed Valve Timing, Two-Valve	2015																								
Van	Port, Fixed Valve Timing, Two-Valve	2016																								
Van	Port, Fixed Valve Timing, Two-Valve	2017																								
Van	Port, Fixed Valve Timing, Multi-Valve	1999	62	0.326	25.6	18.0	24.1	20.8	3998		148	150	12.7	1.015	0.0375	41.6			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2000	112	0.298	24.6	17.3	22.9	19.9	4000		150	159	11.6	1.061	0.0398	40.0			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2001	69	0.296	23.9	16.9	21.8	19.3	4045		151	158	11.5	1.043	0.0391	39.0			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2002	93	0.280	22.0	15.3	20.6	17.8	4570		184	176	11.2	0.966	0.0384	40.8			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2003	77	0.251	21.5	14.9	20.0	17.4	4706		193	182	10.9	0.952	0.0386	41.1			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2004	59	0.239	21.6	14.4	21.1	17.6	4897		206	190	10.7	0.926	0.0388	43.0			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2005	191	0.204	23.5	15.8	22.2	18.9	4494		191	194	10.0	1.022	0.0435	42.4			81.1%	18.9%				60.5%	39.5%	
Van	Port, Fixed Valve Timing, Multi-Valve	2006	125	0.179	24.9	16.7	23.3	19.9	4288		198	213	9.4	1.076	0.0494	42.7			84.1%	15.9%				55.9%	44.1%	
Van	Port, Fixed Valve Timing, Multi-Valve	2007	107	0.200	24.6	16.5	23.1	19.7	4344		207	222	9.2	1.074	0.0510	42.8			88.1%	11.9%				64.5%	35.5%	
Van	Port, Fixed Valve Timing, Multi-Valve	2008	115	0.221	24.4	16.3	23.4	19.7	4642		227	254	8.6	1.123	0.0549	45.9			87.1%	12.9%				100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2009	44	0.156	25.0	16.6	24.0	20.1	4785		237	252	8.6	1.064	0.0527	48.4			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2010	86	0.078	27.7	18.8	25.0	21.9	4353		191	203	10.0	1.080	0.0458	47.4			100.0%					100.0%		

Vehicle		Model	Prod		Fuel Economy (MPG)				Weight	Vol	Engine						Cu-Ft-	Cu-Ft-Ton-	Drivetrain			Transmission				
Type	Engine Type and Valves	Year	(000)	Frac	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Van	Port, Fixed Valve Timing, Multi-Valve	2011	28	0.022	29.9	20.7	25.5	23.2	3526		124	141	11.6	1.144	0.0401	40.9			98.7%		1.3%			100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2012	37	0.004	30.5	20.8	26.5	23.7	3500		122	136	11.8	1.114	0.0389	41.5			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2013	43	0.005	30.5	20.8	26.5	23.7	3500		122	136	11.8	1.114	0.0389	41.5			100.0%					100.0%		
Van	Port, Fixed Valve Timing, Multi-Valve	2014																								
Van	Port, Fixed Valve Timing, Multi-Valve	2015																								
Van	Port, Fixed Valve Timing, Multi-Valve	2016																								
Van	Port, Fixed Valve Timing, Multi-Valve	2017																								
Van	Port, Variable Valve Timing, Two-Valve	1999																								
Van	Port, Variable Valve Timing, Two-Valve	2000																								
Van	Port, Variable Valve Timing, Two-Valve	2001																								
Van	Port, Variable Valve Timing, Two-Valve	2002																								
Van	Port, Variable Valve Timing, Two-Valve	2003																								
Van	Port, Variable Valve Timing, Two-Valve	2004																								
Van	Port, Variable Valve Timing, Two-Valve	2005																								
Van	Port, Variable Valve Timing, Two-Valve	2006	4	0.017	24.1	16.0	23.4	19.5	4500		237	240	9.0	1.013	0.0533	43.9			100.0%					100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2007	71	0.057	24.1	16.0	23.4	19.5	4500		237	240	9.1	1.013	0.0533	43.9			100.0%					100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2008	77	0.048	24.0	15.9	23.2	19.4	4500		237	240	9.1	1.013	0.0533	43.7			100.0%					100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2009																								
Van	Port, Variable Valve Timing, Two-Valve	2010	7	0.068	18.4	12.9	16.7	14.8	5783		323	301	9.0	0.932	0.0521	42.8				46.9%	53.1%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2011	7	0.096	17.9	12.5	16.7	14.6	5920		328	303	9.0	0.926	0.0514	43.1				43.4%	56.6%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2012	8	0.061	17.9	12.5	16.7	14.6	5929		327	310	8.8	0.950	0.0526	43.1				41.5%	58.5%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2013	7	0.060	18.1	12.6	16.8	14.7	5855		326	310	8.8	0.952	0.0532	42.9				47.5%	52.5%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2014	9	0.053	18.0	12.6	16.7	14.6	5913		327	311	8.9	0.951	0.0528	43.2				47.5%	52.5%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2015	2	0.018	16.2	10.9	16.1	13.4	6662		321	297	9.2	0.929	0.0445	44.6					100.0%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2016	1	0.020	15.8	10.7	15.9	13.1	6647		366	324	8.6	0.885	0.0488	43.7					100.0%			100.0%		
Van	Port, Variable Valve Timing, Two-Valve	2017	-	0.019	15.8	10.7	15.9	13.2	6596		366	324	8.6	0.885	0.0492	43.4					100.0%			100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	1999	120	0.108	24.1	16.7	23.4	19.7	4210		195	196	10.5	1.008	0.0467	41.6			100.0%					100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2000	254	0.150	24.0	16.5	23.3	19.6	4241		197	197	10.0	1.004	0.0466	41.6			100.0%					100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2001	209	0.193	24.3	16.7	23.2	19.8	4295		200	207	9.6	1.041	0.0484	42.4			100.0%					100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2002	259	0.253	24.3	16.7	23.2	19.7	4287		200	226	9.1	1.133	0.0527	42.3			100.0%					100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2003	241	0.304	24.3	16.5	23.2	19.6	4342		203	229	8.9	1.129	0.0527	42.6			100.0%					100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2004	440	0.384	24.9	16.7	23.8	20.1	4475		206	233	9.0	1.132	0.0521	44.9			94.1%	5.9%				100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2005	371	0.451	25.2	16.8	24.2	20.3	4500		208	242	8.7	1.165	0.0538	45.8			93.5%	6.5%				100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2006	421	0.537	25.3	16.8	24.3	20.4	4488		207	229	9.1	1.108	0.0511	45.9			95.1%	4.9%				100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2007	342	0.515	25.1	16.7	23.9	20.2	4500		212	250	8.7	1.179	0.0555	45.4			97.7%	2.3%				100.0%		
Van	Port, Variable Valve Timing, Multi-Valve	2008	303	0.519	25.8	17.2	24.4	20.7	4446		208	247	8.8	1.188	0.0555	46.0			95.7%	4.3%		0.3%		99.7%		
Van	Port, Variable Valve Timing, Multi-Valve	2009	173	0.635	26.0	17.4	24.6	20.9	4514		203	240	8.9	1.181	0.0531	47.1			96.1%	3.9%		0.6%		99.4%		
Van	Port, Variable Valve Timing, Multi-Valve	2010	204	0.687	25.7	17.1	24.5	20.6	4590		207	241	9.0	1.163	0.0526	47.4			97.2%	2.8%		0.7%		99.3%		
Van	Port, Variable Valve Timing, Multi-Valve	2011	475	0.679	26.4	17.6	24.8	21.1	4521		214	266	8.1	1.244	0.0589	47.8			94.5%	5.5%				96.6%	3.4%	
Van	Port, Variable Valve Timing, Multi-Valve	2012	599	0.677	26.9	17.8	25.4	21.5	4456		212	262	8.2	1.234	0.0587	47.8			97.1%	2.9%		0.2%		96.2%	3.6%	
Van	Port, Variable Valve Timing, Multi-Valve	2013	509	0.605	26.4	17.5	25.1	21.1	4594		213	268	8.2	1.253	0.0582	48.6			96.0%	4.0%		0.1%		96.5%	3.4%	
Van	Port, Variable Valve Timing, Multi-Valve	2014	646	0.545	27.0	18.0	25.4	21.6	4454		210	261	8.2	1.237	0.0584	48.1			96.7%	3.3%		0.1%		97.0%	3.0%	
Van	Port, Variable Valve Timing, Multi-Valve	2015	621	0.533	27.5	18.4	25.6	21.9	4403		203	249	8.5	1.221	0.0562	48.1			94.2%	4.8%	1.0%			91.4%	8.6%	
Van	Port, Variable Valve Timing, Multi-Valve	2016	567	0.478	27.3	18.1	25.7	21.7	4445		208	256	8.3	1.225	0.0573	48.4			96.1%	2.7%	1.2%			96.8%	3.2%	
Van	Port, Variable Valve Timing, Multi-Valve	2017	-	0.444	28.8	18.9	26.7	22.7	4432		202	261	7.9	1.283	0.0585	50.3			94.8%	3.7%	1.5%			92.2%	7.8%	
Van	GDI, Variable Valve Timing, Multi-Valve	1999																								
Van	GDI, Variable Valve Timing, Multi-Valve	2000																								
Van	GDI, Variable Valve Timing, Multi-Valve	2001																								
Van	GDI, Variable Valve Timing, Multi-Valve	2002																								
Van	GDI, Variable Valve Timing, Multi-Valve	2003																								
Van	GDI, Variable Valve Timing, Multi-Valve	2004																								
Van	GDI, Variable Valve Timing, Multi-Valve	2005																								
Van	GDI, Variable Valve Timing, Multi-Valve	2006																								
Van	GDI, Variable Valve Timing, Multi-Valve	2007																								
Van	GDI, Variable Valve Timing, Multi-Valve	2008																								
Van	GDI, Variable Valve Timing, Multi-Valve	2009																								
Van	GDI, Variable Valve Timing, Multi-Valve	2010																								
Van	GDI, Variable Valve Timing, Multi-Valve	2011																								
Van	GDI, Variable Valve Timing, Multi-Valve	2012																								
Van	GDI, Variable Valve Timing, Multi-Valve	2013																								
Van	GDI, Variable Valve Timing, Multi-Valve	2014	2	0.327	31.5	21.3	27.9	24.6	3934		99	175	9.7	1.778	0.0447	48.4			100.0%					100.0%		
Van	GDI, Variable Valve Timing, Multi-Valve	2015	32	0.356	26.7	18.1	24.4	21.2	4496		191	266	8.1	1.409	0.0591	47.8			100.0%					100.0%		
Van	GDI, Variable Valve Timing, Multi-Valve	2016	62	0.427	26.8	18.2	24.1	21.2	4558		186	263	8.2	1.435	0.0578	48.2			84.6%		15.4%			100.0%		
Van	GDI, Variable Valve Timing, Multi-Valve	2017	-	0.452	26.2	17.8	23.8	20.8	4612		197	273	8.1	1.396	0.0593	47.9			90.5%		9.5%			100.0%		
Van	Diesel	1999																								
Van	Diesel	2000																								
Van	Diesel	2001																								
Van	Diesel	2002																								
Van	Diesel	2003																								
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Van	Diesel	2011																								
Van	Diesel	2012																								
Van	Diesel	2013																								
Van	Diesel	2014																								
Van	Diesel	2015																								
Van	Diesel	2016																								

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission				
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Van	Diesel	2017																								
Van	Alternative Fuel	1999																								
Van	Alternative Fuel	2000																								
Van	Alternative Fuel	2001																								
Van	Alternative Fuel	2002																								
Van	Alternative Fuel	2003																								
Van	Alternative Fuel	2004																								
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Van	Alternative Fuel	2006																								
Van	Alternative Fuel	2007																								
Van	Alternative Fuel	2008																								
Van	Alternative Fuel	2009																								
Van	Alternative Fuel	2010																								
Van	Alternative Fuel	2011	0	0.001	11.5	8.6	9.8	9.2	5883		303	251	11.3	0.833	0.0429	29.9					100.0%			100.0%		
Van	Alternative Fuel	2012	1	0.004	14.5	10.4	12.8	11.6	5719		297	227	23.0	0.764	0.0397	34.1					100.0%			100.0%		
Van	Alternative Fuel	2013	0	0.007	11.6	8.9	9.3	9.1	6500		330	255	12.2	0.774	0.0392	29.7					100.0%			100.0%		
Van	Alternative Fuel	2014	0	0.007	11.6	8.9	9.3	9.1	6500		330	255	12.2	0.774	0.0392	29.7					100.0%			100.0%		
Van	Alternative Fuel	2015																								
Van	Alternative Fuel	2016																								
Van	Alternative Fuel	2017	-	0.019	78.7	62.5	41.5	48.5	5000		220	220	7.5	1.001	0.0440	121.2			100.0%						100.0%	
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	1999																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2000																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2001																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2002																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2003																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2004																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2005																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2006																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2007																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2008																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2009																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2010																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2011																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2012																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2013																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2014																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2015																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2016																								
Truck SUV	Carb, Fixed Valve Timing, Two-Valve	2017																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	1999																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2000																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2001																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2002																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2003																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2004																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2005																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2006																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2007																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2008																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2009																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2010																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2011																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2012																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2013																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2014																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2015																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2016																								
Truck SUV	TBI, Fixed Valve Timing, Two-Valve	2017																								
Truck SUV	Port, Fixed Valve Timing, Two-Valve	1999	1724	0.565	18.8	13.4	17.8	15.5	4652		278	209	10.3	0.761	0.0451	35.9				77.9%	22.1%	4.5%		95.5%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2000	1953	0.550	19.0	13.5	17.8	15.5	4724		275	213	9.8	0.780	0.0452	36.5				84.0%	16.0%	4.0%		96.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2001	1636	0.506	19.3	13.7	17.8	15.7	4758		271	220	9.5	0.813	0.0461	37.3			10.1%	71.6%	18.3%	3.1%		96.9%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2002	2002	0.465	19.2	13.4	17.9	15.6	4875		273	237	9.3	0.867	0.0484	37.9				69.9%	30.1%	2.6%		97.4%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2003	1729	0.441	19.0	13.2	17.7	15.4	5138		285	243	9.3	0.854	0.0473	39.4				69.6%	30.4%	2.4%		97.6%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2004	1907	0.374	19.2	13.3	17.9	15.5	4997		284	243	9.2	0.856	0.0487	38.6			1.1%	70.9%	28.0%	2.4%		97.6%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2005	1169	0.336	19.3	13.3	17.9	15.6	5051		285	252	8.9	0.884	0.0498	39.4				74.0%	26.0%	3.0%		97.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2006	883	0.264	19.6	13.4	18.2	15.8	4913		272	243	9.1	0.890	0.0493	38.8				76.2%	23.8%	4.0%		96.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2007	1119	0.225	20.5	14.0	19.2	16.5	5222		283	262	9.1	0.920	0.0500	43.2				65.4%	34.6%	2.8%		97.2%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2008	775	0.188	20.8	14.2	19.3	16.7	5043		271	251	9.3	0.921	0.0494	42.2				70.3%	29.7%	4.3%		94.7%	1.0%	
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2009	262	0.115	20.8	14.1	19.5	16.8	4975		265	249	9.0	0.931	0.0497	41.6				66.5%	33.5%	2.0%		98.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2010	280	0.077	21.3	14.5	19.7	17.1	4548		233	207	9.7	0.889	0.0458	38.9				80.3%	19.7%	7.6%		92.3%	0.1%	
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2011	187	0.039	22.0	15.1	20.4	17.7	4323		229	204	9.6	0.892	0.0474	38.3				85.8%	14.2%	10.4%		89.6%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2012	82	0.019	21.9	15.0	20.4	17.7	4539		232	220	9.6	0.941	0.0482	40.1				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2013	1	0.009	18.3	12.5	17.6	15.0	5500		391	470	6.3	1.203	0.0855	41.2				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2014	5	0.005	19.1	12.8	18.7	15.6	5500		391	470	5.8	1.203	0.0855	43.0				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2015	5	0.003	19.1	12.8	18.7	15.6	5500		391	470	5.8	1.203	0.0855	43.0				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2016	2	0.000	19.1	12.8	18.7	15.6	5500		391	470	5.8	1.203	0.0855	43.0				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Two-Valve	2017	-	0.001	19.1	12.8	18.7	15.6	5500		391	470	5.8	1.203	0.0855	43.0				100.0%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	1999	550	0.326	22.2	16.2	20.0	18.0	4164		184	185	10.8	1.028	0.0442	37.5				81.5%	18.5%	11.0%		89.0%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2000	509	0.298	22.4	16.3	19.8	18.0	4199		178	178	10.6	1.022	0.0424	37.8				81.0%	19.0%	9.1%		90.9%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2001	681	0.296	22.0	15.7	19.8	17.7	4222		189	191	10.0	1.036	0.0456	37.3				86.9%	13.1%	5.7%		94.3%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2002	688	0.280	21.1	15.0	19.0	17.0	4334		202	197	10.0	0.993	0.0460	36.6				85.2%	14.8%	6.9%		92.9%	0.2%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2003	649	0.251	21.2	14.8	19.4	17.1	4361		214	207	9.6	0.990	0.0477	37.1				81.1%	18.9%	2.7%		94.9%	2.3%	

Vehicle Type	Engine Type and Valves	Model Year	Prod (000)	Frac	Fuel Economy (MPG)				Weight (lb)	Vol (Cu-Ft)	Engine		0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu-Ft-MPG	Cu-Ft-Ton-MPG	Drivetrain			Transmission					
					Lab 55/45	Adj City	Adj Hwy	Adj Comb			CID	HP							Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2004	601	0.239	21.0	14.6	19.1	16.8	4458		223	218	9.4	1.005	0.0493	37.4				82.6%	17.4%	3.6%		95.4%	0.9%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2005	459	0.204	22.6	15.6	20.3	18.0	4221		193	202	9.6	1.057	0.0478	38.1				83.8%	16.2%	4.5%		93.7%	1.8%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2006	305	0.179	23.9	16.5	21.5	19.0	4042		183	189	9.8	1.040	0.0467	38.7				88.3%	11.7%	6.0%		89.9%	4.1%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2007	385	0.200	23.0	15.8	21.0	18.4	4444		207	240	8.9	1.157	0.0534	40.9			0.4%	95.1%	4.5%	2.0%		96.1%	1.9%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2008	427	0.221	23.7	16.4	21.4	18.9	4365		206	230	9.1	1.114	0.0521	41.4			1.7%	88.9%	9.4%	1.0%		95.5%	3.5%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2009	266	0.156	25.5	17.2	23.6	20.4	4094		184	214	9.0	1.163	0.0520	41.6			18.2%	80.2%	1.7%	3.5%		96.1%	0.4%	
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2010	104	0.078	21.8	14.6	20.9	17.6	5120		255	260	8.6	1.036	0.0509	44.8			41.9%	35.0%	23.1%			100.0%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2011	20	0.022	21.6	15.0	19.7	17.3	4466		243	253	8.6	1.033	0.0564	38.8				80.2%	19.8%			100.0%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2012																								
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2013	28	0.005	25.9	17.4	24.1	20.7	5000		214	285	8.0	1.334	0.0570	51.7			71.6%	28.4%				100.0%		
Truck SUV	Port, Fixed Valve Timing, Multi-Valve	2014	50	0.005	27.5	18.5	25.2	21.8	5122		205	273	8.1	1.334	0.0536	56.4			52.4%	42.4%	5.1%			100.0%		

Note on Data in Appendix J:

The Department of Justice, on behalf of EPA, alleged violations of the Clean Air Act by Fiat Chrysler Automobiles based on the sale of certain 2014 through 2016 model year vehicles equipped with devices that defeat the vehicles' emission control systems. In addition, the Department of Justice and EPA have reached a settlement with Volkswagen over the use of defeat devices for certain 2009 through 2016 model year vehicles. In this report, EPA uses the CO_2 emissions and fuel economy data from the initial certification of these vehicles. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports. For more information on actions to resolve these alleged violations, see www.epa.gov/vw and www.epa.gov/fca.

The data in this appendix from the manufacturers and years affected by these actions is in grey text and italicized.

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	Car	1975				21.6	25.8	22.4	19.4	16.6	15.0	13.9	12.5						15.1
GM	Car	Car	1976			29.4	26.8	26.9	23.4	20.4	17.9	16.3	14.8	13.5						16.6
GM	Car	Car	1977			31.4	26.6	28.6	25.6	20.7	18.0	17.0	14.8	13.3						17.7
GM	Car	Car	1978			30.7	27.7		26.5	20.3	18.1	16.3	15.3	12.4						19.0
GM	Car	Car	1979			33.5	28.7		26.1	20.3	17.7	16.8	18.9	11.2						19.1
GM	Car	Car	1980			29.9	27.4	26.1	23.9	20.9	19.1	19.1	13.2							21.9
GM	Car	Car	1981			31.6	29.4	27.3	25.2	22.4	20.9	20.5	12.3							23.2
GM	Car	Car	1982			34.3	32.4	28.8	27.2	22.5	20.8	21.0	11.8							24.2
GM	Car	Car	1983			34.7	33.0	30.0	26.5	22.6	20.4	19.8	11.8							23.5
GM	Car	Car	1984			35.6	33.7	30.9	26.6	22.5	20.7	20.2	11.8							24.4
GM	Car	Car	1985	57.4		40.8	33.9	30.9	27.4	23.4	22.4	21.0								25.5
GM	Car	Car	1986	56.6		40.5	34.8	30.3	27.8	24.4	23.0	22.0								27.0
GM	Car	Car	1987	57.0	46.1	39.6	34.4	31.6	28.6	24.6	22.5	22.3								27.2
GM	Car	Car	1988	51.5	45.7	40.0	34.9	32.1	28.7	25.8	22.9	22.9								28.1
GM	Car	Car	1989	59.5	48.1	40.4	33.9	31.9	28.3	25.2	23.1	22.4								27.4
GM	Car	Car	1990	65.3	52.2		35.4	32.0	28.5	25.8	22.6	21.3								27.3
GM	Car	Car	1991	65.3	48.9		36.3	31.5	27.8	25.4	23.1	22.4								27.2
GM	Car	Car	1992	65.3	47.8		34.6	31.7	27.8	25.1	22.8	22.7								26.7
GM	Car	Car	1993	65.3	50.5		35.5	31.5	28.1	25.8	22.8	22.5		17.6	17.6					27.3
GM	Car	Car	1994	65.8	49.1		35.3	32.2	29.2	25.7	23.1	22.9		18.3						27.5
GM	Car	Car	1995		54.5	39.5	36.4	33.1	29.8	25.9	23.3	22.8		18.6						27.3
GM	Car	Car	1996				37.2	33.3	30.4	26.3	24.2	23.2		18.2						27.9
GM	Car	Car	1997		54.4	37.9	37.0	33.1	30.4	26.6	24.1			19.5						28.2
GM	Car	Car	1998		53.6	38.6	37.3	33.6	30.1	26.4	24.0			17.2						27.6
GM	Car	Car	1999		50.3	38.1	36.9	34.5	30.4	26.5	24.2				19.3					27.4
GM	Car	Car	2000		50.8	37.8	37.0	35.2	30.4	26.9	25.1			18.3						27.6
GM	Car	Car	2001			37.3	36.7	35.3	31.0	27.5	25.3				18.3					28.1
GM	Car	Car	2002				36.7	35.0	30.5	27.9	25.5				18.2					28.5
GM	Car	Car	2003						32.3	28.2	25.6				18.6					28.6
GM	Car	Car	2004					34.5	32.6	28.4	25.4			20.0	19.3					29.1
GM	Car	Car	2005					34.3	32.9	29.0	25.6	20.4		20.1	19.0					29.0
GM	Car	Car	2006					32.9	32.7	29.2	25.9	22.4				17.9				28.6
GM	Car	Car	2007					34.4	32.7	29.3	26.4	22.5	19.9		18.4					28.8
GM	Car	Car	2008					34.6	34.0	29.2	26.7	23.1	18.4		18.4	18.0				28.6
GM	Car	Car	2009					35.5	35.1	31.9	26.8	22.8			17.6	17.4				30.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	Car	2010					36.0	36.0	32.2	27.0	25.5			18.3					29.8
GM	Car	Car	2011					36.3	44.2	33.5	27.8	24.8	21.8		18.5					30.0
GM	Car	Car	2012						39.1	35.4	28.9	24.5								32.4
GM	Car	Car	2013				43.3		38.8	35.4	30.2	23.9		21.7	21.7					32.9
GM	Car	Car	2014				45.6		39.1	36.7	30.2	24.1		23.1	21.7					34.0
GM	Car	Car	2015				45.6		39.8	37.6	30.0	24.1		23.1	20.7					34.2
GM	Car	Car	2016				47.3		43.5	36.8	30.7	26.1		21.7	21.9					35.1
GM	Car	Car	2017				45.6		44.9	36.8	34.4	26.2		21.7	21.7					37.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	Car SUV	1975								15.6									15.6
GM	Car	Car SUV	1976							14.3	17.3									16.9
GM	Car	Car SUV	1977								18.0									18.0
GM	Car	Car SUV	1978								17.6									17.6
GM	Car	Car SUV	1979																	
GM	Car	Car SUV	1980																	
GM	Car	Car SUV	1981																	
GM	Car	Car SUV	1982						25.8	16.6	19.3									22.0
GM	Car	Car SUV	1983							25.1										25.1
GM	Car	Car SUV	1984						28.3	23.5										23.6
GM	Car	Car SUV	1985							23.5										23.5
GM	Car	Car SUV	1986							22.2										22.2
GM	Car	Car SUV	1987							23.0										23.0
GM	Car	Car SUV	1988							23.1										23.1
GM	Car	Car SUV	1989							23.0										23.0
GM	Car	Car SUV	1990							22.7										22.7
GM	Car	Car SUV	1991				30.1			23.3	21.1									22.7
GM	Car	Car SUV	1992				29.3			22.6	20.6									22.5
GM	Car	Car SUV	1993				29.2			22.9	22.4									23.6
GM	Car	Car SUV	1994				28.9	28.7		22.3	21.5									22.7
GM	Car	Car SUV	1995				29.6				21.7									22.8
GM	Car	Car SUV	1996					28.3	28.2		22.0									22.8
GM	Car	Car SUV	1997				27.9		28.5		21.6									22.0
GM	Car	Car SUV	1998				28.5		27.7	25.9	21.8									22.5
GM	Car	Car SUV	1999					31.0	28.6	25.2	21.5									22.3
GM	Car	Car SUV	2000					31.1	28.6		21.7									22.1
GM	Car	Car SUV	2001					31.0	28.6	26.3	22.9									24.0
GM	Car	Car SUV	2002						31.9	27.9	23.3									24.1
GM	Car	Car SUV	2003						28.4	27.4	23.8									25.9
GM	Car	Car SUV	2004							28.8	25.0	20.6								24.7
GM	Car	Car SUV	2005							28.9	25.0	21.9	19.1							24.8
GM	Car	Car SUV	2006							29.6	24.9	21.8	20.7							25.1
GM	Car	Car SUV	2007							30.7	25.1	21.5	20.6							25.4
GM	Car	Car SUV	2008								25.9	21.5	20.9							25.3
GM	Car	Car SUV	2009								26.5	22.7	19.2							25.8
GM	Car	Car SUV	2010								31.8	25.2	23.0							29.4
GM	Car	Car SUV	2011							32.5	30.9	25.6	23.0							29.8
GM	Car	Car SUV	2012								30.9	24.5								29.0
GM	Car	Car SUV	2013							36.9	33.4	24.4								31.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	Car SUV	2014							36.9	33.6	24.6	22.9							31.3
GM	Car	Car SUV	2015							37.3	33.4	25.0								31.7
GM	Car	Car SUV	2016							37.6	33.2	24.2	24.1							31.7
GM	Car	Car SUV	2017							38.4	33.1	27.3								32.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	All	1975				21.6	25.8	22.4	19.4	16.6	15.0	13.9	12.5						15.1
GM	Car	All	1976			29.4	26.8	26.9	23.4	20.4	17.9	16.3	14.8	13.5						16.6
GM	Car	All	1977			31.4	26.6	28.6	25.6	20.7	18.0	17.0	14.8	13.3						17.7
GM	Car	All	1978			30.7	27.7		26.5	20.3	18.1	16.3	15.3	12.4						19.0
GM	Car	All	1979			33.5	28.7		26.1	20.3	17.7	16.8	18.9	11.2						19.1
GM	Car	All	1980			29.9	27.4	26.1	23.9	20.9	19.1	19.1	13.2							21.9
GM	Car	All	1981			31.6	29.4	27.3	25.2	22.4	20.9	20.5	12.3							23.2
GM	Car	All	1982			34.3	32.4	28.8	27.2	22.5	20.8	21.0	11.8							24.2
GM	Car	All	1983			34.7	33.0	30.0	26.5	22.7	20.4	19.8	11.8							23.5
GM	Car	All	1984			35.6	33.7	30.9	26.6	22.6	20.7	20.2	11.8							24.4
GM	Car	All	1985	57.4		40.8	33.9	30.9	27.4	23.4	22.4	21.0								25.5
GM	Car	All	1986	56.6		40.5	34.8	30.3	27.8	24.4	23.0	22.0								27.0
GM	Car	All	1987	57.0	46.1	39.6	34.4	31.6	28.6	24.5	22.5	22.3								27.2
GM	Car	All	1988	51.5	45.7	40.0	34.9	32.1	28.7	25.7	22.9	22.9								28.1
GM	Car	All	1989	59.5	48.1	40.4	33.9	31.9	28.3	25.1	23.1	22.4								27.4
GM	Car	All	1990	65.3	52.2		35.4	32.0	28.5	25.7	22.6	21.3								27.2
GM	Car	All	1991	65.3	48.9		35.7	31.5	27.8	25.3	23.0	22.4								27.0
GM	Car	All	1992	65.3	47.8		33.7	31.7	27.8	25.1	22.6	22.7								26.6
GM	Car	All	1993	65.3	50.5		34.5	31.5	28.1	25.8	22.7	22.5		17.6	17.6					27.2
GM	Car	All	1994	65.8	49.1		34.1	32.2	29.2	25.6	22.8	22.9		18.3						27.3
GM	Car	All	1995		54.5	39.5	35.4	33.1	29.8	25.9	23.0	22.8		18.6						27.2
GM	Car	All	1996				37.2	33.0	30.4	26.3	23.6	23.2		18.2						27.6
GM	Car	All	1997		54.4	37.9	36.7	33.1	30.4	26.6	23.6			19.5						27.9
GM	Car	All	1998		53.6	38.6	36.7	33.6	30.1	26.4	23.5			17.2						27.3
GM	Car	All	1999		50.3	38.1	36.9	34.5	30.4	26.5	23.5				19.3					27.2
GM	Car	All	2000		50.8	37.8	37.0	35.2	30.4	26.9	24.3			18.3						27.2
GM	Car	All	2001			37.3	36.7	35.3	30.8	27.5	24.7				18.3					27.7
GM	Car	All	2002				36.7	35.0	30.5	27.9	24.9				18.2					28.2
GM	Car	All	2003						32.2	28.2	25.3				18.6					28.4
GM	Car	All	2004					34.5	32.6	28.4	25.3	20.6		20.0	19.3					28.7
GM	Car	All	2005					34.3	32.9	29.0	25.4	21.5	19.1	20.1	19.0					28.3
GM	Car	All	2006					32.9	32.7	29.3	25.6	22.1	20.7			17.9				28.0
GM	Car	All	2007					34.4	32.7	29.4	26.2	22.0	20.6		18.4					28.4
GM	Car	All	2008					34.6	34.0	29.2	26.5	22.7	20.8		18.4	18.0				28.1
GM	Car	All	2009					35.5	35.1	31.9	26.8	22.8	19.2		17.6	17.4				29.7
GM	Car	All	2010					36.0	36.0	32.2	28.2	25.3	23.0		18.3					29.7
GM	Car	All	2011					36.3	44.2	33.4	28.8	25.2	22.5		18.5					29.9
GM	Car	All	2012						39.1	35.4	29.8	24.5								31.3
GM	Car	All	2013				43.3		38.8	35.5	31.4	24.2		21.7	21.7					32.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Car	All	2014				45.6		39.1	36.7	31.3	24.5	22.9	23.1	21.7					33.3
GM	Car	All	2015				45.6		39.8	37.6	31.4	24.9		23.1	20.7					33.3
GM	Car	All	2016				47.3		43.5	37.0	31.6	24.5	24.1	21.7	21.9					34.1
GM	Car	All	2017				45.6		44.9	37.2	34.0	27.1		21.7	21.7					36.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Van	1975								15.3	12.4	12.7		11.1	10.6				14.4
GM	Truck	Van	1976								15.1	12.6	12.6	11.1	11.9	11.5				14.0
GM	Truck	Van	1977								16.6	13.4	13.3		13.0	12.3				15.0
GM	Truck	Van	1978								16.4	12.8	12.4		12.5	11.7				14.1
GM	Truck	Van	1979								18.6	14.5	13.3	12.8						14.7
GM	Truck	Van	1980								18.5	16.0	14.3							16.7
GM	Truck	Van	1981								19.3	17.7	15.8							18.0
GM	Truck	Van	1982								19.6	17.7	16.0	11.9	11.9					17.9
GM	Truck	Van	1983								19.7	18.5	19.7	20.1						18.9
GM	Truck	Van	1984								20.0	18.1	17.3	17.3						18.2
GM	Truck	Van	1985							23.9	21.8	16.7	16.8	13.9	21.3					18.7
GM	Truck	Van	1986							26.4	21.4	17.3	17.0	13.9	23.1					19.4
GM	Truck	Van	1987							24.7	21.7	17.4	17.4	17.0	22.9					19.8
GM	Truck	Van	1988							25.5	21.9	17.9	18.1	17.3	21.7					20.2
GM	Truck	Van	1989							24.4	22.2	17.9	17.6	17.5	21.3					20.2
GM	Truck	Van	1990							23.5	22.6	19.2	18.3	17.3	21.5					20.7
GM	Truck	Van	1991							23.7	22.9	19.5	17.4	17.2	20.4					20.8
GM	Truck	Van	1992							23.7	22.5	19.8	19.2	16.7	20.1					20.8
GM	Truck	Van	1993							23.7	22.5	20.0	19.1	16.9	21.3					20.7
GM	Truck	Van	1994							23.7	22.7	20.0	19.1	17.2	20.6					21.0
GM	Truck	Van	1995							23.7	22.8	19.5	18.5	17.7	20.4					20.6
GM	Truck	Van	1996							28.1	23.8	21.1	18.7	17.6	17.3					21.5
GM	Truck	Van	1997							24.9	23.8	21.2	19.2	18.4						21.9
GM	Truck	Van	1998							27.0	23.8	21.4	18.6	18.0						22.2
GM	Truck	Van	1999							26.9	24.2	20.9	18.4	17.9						22.0
GM	Truck	Van	2000								24.4	20.9	18.5	17.4						22.1
GM	Truck	Van	2001								25.3	21.1	18.4	17.8						22.9
GM	Truck	Van	2002								25.2	20.5	17.8	18.1						22.3
GM	Truck	Van	2003								25.4	21.8	19.0	19.0	18.5					23.2
GM	Truck	Van	2004								25.2	20.9	19.4	19.0	19.2					23.1
GM	Truck	Van	2005								24.4	23.2	20.1	19.5	18.6					22.6
GM	Truck	Van	2006									24.4	20.5	19.4	18.8					22.9
GM	Truck	Van	2007									24.1	20.4	19.2	18.1					22.6
GM	Truck	Van	2008									24.0	21.0	19.3	17.6					22.8
GM	Truck	Van	2009										21.5	17.8	17.7					20.0
GM	Truck	Van	2010										21.7	18.6	18.4					20.1
GM	Truck	Van	2011										21.7	18.6	18.1	16.1	15.5			19.7
GM	Truck	Van	2012										21.7	18.5	18.3	16.5	15.1	14.5		20.1
GM	Truck	Van	2013										21.7	18.6	18.4	16.5	15.2			20.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Van	2014										20.0	18.5	18.3	16.4	15.3			19.1
GM	Truck	Van	2015													16.5	15.4			16.2
GM	Truck	Van	2016													16.0	15.5			15.8
GM	Truck	Van	2017							34.9						15.9	15.5			33.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Truck SUV	1975									14.0	11.2	10.2	10.3					11.7
GM	Truck	Truck SUV	1976									14.8	12.7	11.4	11.9					13.0
GM	Truck	Truck SUV	1977									15.9	12.9	11.5	11.9					14.6
GM	Truck	Truck SUV	1978									15.1	12.6	11.6	11.4					14.0
GM	Truck	Truck SUV	1979									12.3	11.7	10.6						11.3
GM	Truck	Truck SUV	1980									16.4	14.6	13.8	13.4					14.5
GM	Truck	Truck SUV	1981									17.2	16.4	14.1						16.2
GM	Truck	Truck SUV	1982									18.9	17.1	21.2	21.2					19.2
GM	Truck	Truck SUV	1983							23.6	22.0		17.0	20.2	20.8					20.2
GM	Truck	Truck SUV	1984							23.0	22.1		17.1	17.9	21.0					20.0
GM	Truck	Truck SUV	1985							23.2	22.0		17.0	16.1	21.4					20.1
GM	Truck	Truck SUV	1986							22.5	20.3		17.1	15.7	22.1					19.4
GM	Truck	Truck SUV	1987							21.7	20.7		16.6	16.8	20.9					19.3
GM	Truck	Truck SUV	1988								21.2		16.5	16.5	18.3					19.4
GM	Truck	Truck SUV	1989				31.3			20.6	21.5		16.8	17.5	15.8					20.0
GM	Truck	Truck SUV	1990				31.3	28.7		20.6	20.6		16.6	17.3	16.0					19.6
GM	Truck	Truck SUV	1991					28.9		20.6	21.1		16.5	17.2	15.7	20.2				20.5
GM	Truck	Truck SUV	1992					28.9		20.6	20.2	18.9	16.1	16.3	14.9					19.2
GM	Truck	Truck SUV	1993					29.0			21.5	20.3	16.9	16.8	15.8					19.4
GM	Truck	Truck SUV	1994					28.7			20.3	21.0	16.9	16.8	16.1					19.4
GM	Truck	Truck SUV	1995				29.0	28.4			20.1	21.3	17.7	16.9	15.7					19.4
GM	Truck	Truck SUV	1996					28.2	28.1		21.9	21.0	18.4	17.4	16.8					19.8
GM	Truck	Truck SUV	1997					28.1	27.9		21.4	21.0	19.1	17.8	16.7					19.4
GM	Truck	Truck SUV	1998					28.4	27.7		21.3	21.2	18.1	17.4	16.8					20.3
GM	Truck	Truck SUV	1999						28.5	27.7	21.1	20.5	18.0	17.8						19.8
GM	Truck	Truck SUV	2000						28.1	27.6	19.7	20.8	17.2	18.2	16.8					19.5
GM	Truck	Truck SUV	2001						27.7	22.4	22.7	20.1		18.4	17.0					18.8
GM	Truck	Truck SUV	2002						27.8	25.9	21.9	20.6	19.5	18.7	18.0					19.4
GM	Truck	Truck SUV	2003						27.9	25.3	23.4	20.8	19.6	18.9	17.7					19.1
GM	Truck	Truck SUV	2004							25.0	24.7	21.6	20.3	19.1	17.7					19.4
GM	Truck	Truck SUV	2005							27.5	24.7	21.9	20.0	19.1	18.5					19.5
GM	Truck	Truck SUV	2006								24.4	21.4	20.3	19.4	18.2					20.2
GM	Truck	Truck SUV	2007							30.1	24.5	19.7	20.9		20.1					20.4
GM	Truck	Truck SUV	2008							32.5	24.8	21.8	21.9		20.0					21.2
GM	Truck	Truck SUV	2009							32.4	24.8	22.8	23.4	21.8	20.2					22.4
GM	Truck	Truck SUV	2010							32.5	24.3		24.4	22.7	21.7					23.3
GM	Truck	Truck SUV	2011							32.5			24.3	22.9	21.7	18.6	15.4			22.7
GM	Truck	Truck SUV	2012										24.4		21.7	18.7	15.4			23.2
GM	Truck	Truck SUV	2013							33.8	30.8		24.6	23.6	21.7	18.6	15.4			23.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Truck SUV	2014							33.8	30.8		24.6	23.5	21.8	18.4				24.8
GM	Truck	Truck SUV	2015							35.7	30.8	27.6	24.5		23.2	22.3				24.9
GM	Truck	Truck SUV	2016							35.6	30.8	29.8	22.3	24.2	22.9	22.6				24.3
GM	Truck	Truck SUV	2017							35.9	31.0	27.5	22.3		23.1	22.2				25.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Pickup	1975					22.3		15.0	15.1	11.3	11.0	10.5						14.3
GM	Truck	Pickup	1976					25.0		15.8	15.8	12.5	11.9	11.8						14.6
GM	Truck	Pickup	1977					25.1	24.3	16.5	16.5	13.4	13.1	11.8						15.2
GM	Truck	Pickup	1978					27.0	25.0	18.1	15.3	13.5	12.7	12.0	12.7	11.8				14.7
GM	Truck	Pickup	1979					27.4	23.4	19.8	17.9	15.0	13.7	12.1	10.9					15.2
GM	Truck	Pickup	1980					27.7	24.6	19.9	18.7	16.7	16.8	13.5	9.9	12.0				18.5
GM	Truck	Pickup	1981					28.5	30.0	21.4	19.3	18.0	18.2							20.0
GM	Truck	Pickup	1982					29.9	26.0	21.0	19.6	18.4	20.6	22.4						21.9
GM	Truck	Pickup	1983					32.3	26.7	24.0	19.6	18.2	19.1	22.1						21.3
GM	Truck	Pickup	1984					31.1	25.5	23.3	19.9	18.0	18.0	21.9						20.7
GM	Truck	Pickup	1985					31.0	26.1	23.1	20.5	17.3	17.1	21.1	19.6					20.4
GM	Truck	Pickup	1986					30.2	26.7	22.0	20.5	17.8	17.0	21.1						20.8
GM	Truck	Pickup	1987					30.0	26.6	22.1	20.5	17.7	16.5	21.1						21.3
GM	Truck	Pickup	1988						28.3	22.8	20.2	17.9	17.0	16.9	19.6					20.4
GM	Truck	Pickup	1989						27.9	22.7	20.8	17.8	16.8	19.2	21.2					20.5
GM	Truck	Pickup	1990						27.4	22.4	20.3	17.6	17.0	18.6	20.5					19.2
GM	Truck	Pickup	1991						26.9	23.5	20.9	18.2	16.6	17.6	19.5					21.4
GM	Truck	Pickup	1992						26.2	23.3	21.3	18.5	16.8	16.4						20.3
GM	Truck	Pickup	1993						25.4	23.6	21.6	19.2	17.1	17.1						20.2
GM	Truck	Pickup	1994						28.1	25.2	21.4	18.5	17.0	17.4	18.1					20.0
GM	Truck	Pickup	1995						27.2	26.5	21.4	18.5	16.9	17.5	18.1					20.2
GM	Truck	Pickup	1996						31.3	28.3	22.5	19.9	18.1	18.1	18.7					21.3
GM	Truck	Pickup	1997						31.3	27.6	22.2	20.5	18.8	17.6	18.7					20.5
GM	Truck	Pickup	1998							27.8	21.8	20.0	17.8	17.4	19.0					21.1
GM	Truck	Pickup	1999							27.1	21.1	20.4	18.7	16.9	16.9					19.8
GM	Truck	Pickup	2000							25.5	20.9	20.5	18.9	16.4						20.8
GM	Truck	Pickup	2001							24.8	20.8	20.8	19.4	16.3						20.4
GM	Truck	Pickup	2002							22.4	22.2	19.8	18.9	17.9	17.9					19.1
GM	Truck	Pickup	2003							25.3	22.5	20.2	19.0	17.4	18.1					20.1
GM	Truck	Pickup	2004							24.7	24.2	20.8	19.5	18.5	18.8					20.0
GM	Truck	Pickup	2005							25.2	24.0	21.1	19.8	19.4	18.5					20.4
GM	Truck	Pickup	2006							25.0	24.2	21.4	20.3	19.3	18.6					20.7
GM	Truck	Pickup	2007							22.5	22.1	21.1	20.3	19.9	20.4					20.3
GM	Truck	Pickup	2008							24.5	23.7	21.7	20.7	20.6	20.0					20.9
GM	Truck	Pickup	2009							25.8	24.7	22.5	20.9	20.5	19.7					20.8
GM	Truck	Pickup	2010							26.7	25.3	22.3	21.0	21.4	19.1					21.5
GM	Truck	Pickup	2011							26.6	25.5	22.0	21.1	21.4	19.8					21.4
GM	Truck	Pickup	2012							26.8	25.5	22.5	21.3	21.5	19.5					21.8
GM	Truck	Pickup	2013									21.3	21.1	21.6	19.4					21.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	Pickup	2014									26.2	25.2	23.8	22.3					23.9
GM	Truck	Pickup	2015								29.3	26.3	25.3	23.9	22.8					24.3
GM	Truck	Pickup	2016								29.2	26.3	25.7	23.9	22.6					24.4
GM	Truck	Pickup	2017								28.8	25.6	25.1	23.8	22.4					23.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	All	1975					22.3		15.0	15.2	11.9	11.2	10.5	10.9	10.6				14.1
GM	Truck	All	1976					25.0		15.8	15.6	12.7	12.3	11.7	11.9	11.5				14.3
GM	Truck	All	1977					25.1	24.3	16.5	16.5	13.9	13.1	11.7	12.4	12.3				15.1
GM	Truck	All	1978					27.0	25.0	18.1	15.5	13.6	12.6	12.0	11.8	11.7				14.5
GM	Truck	All	1979					27.4	23.4	19.8	18.0	14.9	13.1	11.4	10.9					14.5
GM	Truck	All	1980					27.7	24.6	19.9	18.6	16.5	16.1	13.6	12.9	12.0				17.9
GM	Truck	All	1981					28.5	30.0	21.4	19.3	17.9	17.2	14.1						19.4
GM	Truck	All	1982					29.9	26.0	21.0	19.6	18.2	19.3	21.7	21.1					21.0
GM	Truck	All	1983					32.3	26.7	24.0	20.4	18.3	18.5	20.7	20.8					20.6
GM	Truck	All	1984					31.1	25.5	23.3	21.0	18.0	17.5	18.7	21.0					20.1
GM	Truck	All	1985					31.0	26.1	23.2	21.6	17.1	17.0	16.7	21.4					20.0
GM	Truck	All	1986					30.2	26.7	22.5	20.8	17.6	17.1	16.1	22.2					20.1
GM	Truck	All	1987					30.0	26.6	22.1	21.2	17.6	16.7	16.9	21.2					20.4
GM	Truck	All	1988						28.3	22.8	21.2	17.9	17.0	16.6	18.7					20.2
GM	Truck	All	1989				31.3		27.9	22.7	21.5	17.8	16.8	17.6	15.8					20.3
GM	Truck	All	1990				31.3	28.7	27.4	22.3	21.2	18.3	17.0	17.4	16.0					19.7
GM	Truck	All	1991					28.9	26.9	23.5	21.4	18.8	16.6	17.2	15.8	20.2				21.1
GM	Truck	All	1992					28.9	26.2	23.3	21.3	19.1	17.1	16.3	14.9					20.2
GM	Truck	All	1993					29.0	25.4	23.6	21.9	19.6	17.3	16.8	15.8					20.1
GM	Truck	All	1994					28.7	28.1	25.2	21.7	19.6	17.2	16.9	16.2					20.1
GM	Truck	All	1995				29.0	28.4	27.2	26.5	21.6	19.6	17.1	16.9	15.8					20.0
GM	Truck	All	1996					28.2	28.2	28.3	22.8	20.6	18.2	17.5	16.8					20.7
GM	Truck	All	1997					28.1	28.1	27.5	23.0	20.9	18.9	17.7	16.7					20.4
GM	Truck	All	1998					28.4	27.7	27.8	22.8	20.8	18.0	17.4	18.0					21.1
GM	Truck	All	1999						28.5	27.2	23.1	20.5	18.5	17.6	16.9					20.2
GM	Truck	All	2000						28.1	25.6	23.4	20.7	18.8	18.1	16.8					20.6
GM	Truck	All	2001						27.7	24.1	23.7	20.4	19.3	18.3	17.0					20.0
GM	Truck	All	2002						27.8	24.6	24.1	20.4	18.9	18.6	18.0					19.6
GM	Truck	All	2003						27.9	25.3	24.6	20.7	19.2	18.7	17.8					20.0
GM	Truck	All	2004							24.9	24.8	21.2	19.8	18.9	17.9					19.9
GM	Truck	All	2005							25.3	24.2	22.0	19.9	19.2	18.5					20.2
GM	Truck	All	2006							25.0	24.2	22.3	20.3	19.3	18.3					20.7
GM	Truck	All	2007							23.1	22.8	21.6	20.6	19.9	20.1					20.5
GM	Truck	All	2008							26.8	23.9	22.6	21.6	20.5	20.0					21.2
GM	Truck	All	2009							28.3	24.7	22.6	22.8	20.6	20.0					21.4
GM	Truck	All	2010							28.5	25.2	22.3	23.8	21.5	21.1					22.3
GM	Truck	All	2011							28.1	25.5	22.0	23.7	21.4	21.4	18.6	15.4			22.0
GM	Truck	All	2012							26.8	25.5	22.5	23.9	21.4	21.5	18.6	15.3	14.5		22.4
GM	Truck	All	2013							33.8	30.8	21.3	23.6	21.7	21.5	18.6	15.4			22.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	Truck	All	2014							33.8	30.8	26.2	24.5	23.8	21.9	18.3	15.3			24.1
GM	Truck	All	2015							35.7	30.6	26.3	24.6	23.9	23.2	22.1	15.4			24.6
GM	Truck	All	2016							35.6	30.3	26.5	23.0	24.0	22.8	22.5	15.5			24.4
GM	Truck	All	2017							35.6	30.6	26.7	23.0	23.8	22.6	22.1	15.5			24.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	All	All	1975				21.6	23.3	22.4	18.0	15.9	14.7	13.4	12.4	10.9	10.6				14.9
GM	All	All	1976			29.4	26.8	25.3	23.4	18.9	17.0	15.8	14.2	13.3	11.9	11.5				16.1
GM	All	All	1977			31.4	26.6	25.2	25.5	19.8	17.6	16.5	14.0	12.3	12.4	12.3				17.2
GM	All	All	1978			30.7	27.7	27.0	26.2	20.3	17.4	15.2	13.0	12.2	11.8	11.7				17.8
GM	All	All	1979			33.5	28.7	27.4	25.2	20.3	17.7	16.0	13.3	11.4	10.9					18.0
GM	All	All	1980			29.9	27.4	26.3	23.9	20.9	19.0	18.1	16.0	13.6	12.9	12.0				21.3
GM	All	All	1981			31.6	29.4	27.5	25.4	22.4	20.5	19.4	17.1	14.1						22.6
GM	All	All	1982			34.3	32.4	28.9	27.0	22.4	20.6	19.3	19.2	21.7	21.1					23.5
GM	All	All	1983			34.7	33.0	30.1	26.6	22.8	20.4	18.9	18.5	20.7	20.8					22.9
GM	All	All	1984			35.6	33.7	30.9	26.5	22.6	20.8	18.7	17.5	18.7	21.0					23.5
GM	All	All	1985	57.4		40.8	33.9	30.9	27.2	23.4	22.2	17.8	17.0	16.7	21.4					24.0
GM	All	All	1986	56.6		40.5	34.8	30.3	27.7	24.2	21.8	18.4	17.1	16.1	22.2					25.1
GM	All	All	1987	57.0	46.1	39.6	34.4	31.5	28.3	24.3	21.8	18.4	16.7	16.9	21.2					25.3
GM	All	All	1988	51.5	45.7	40.0	34.9	32.1	28.6	25.4	21.6	18.6	17.0	16.6	18.7					25.2
GM	All	All	1989	59.5	48.1	40.4	33.2	31.9	28.2	24.9	21.7	18.4	16.8	17.6	15.8					24.8
GM	All	All	1990	65.3	52.2		34.6	31.9	28.4	25.5	21.7	18.6	17.0	17.4	16.0					24.5
GM	All	All	1991	65.3	48.9		35.7	31.4	27.6	25.0	22.2	19.2	16.6	17.2	15.8	20.2				24.8
GM	All	All	1992	65.3	47.8		33.7	31.5	27.5	24.9	21.9	19.7	17.1	16.3	14.9					24.2
GM	All	All	1993	65.3	50.5		34.5	31.4	27.6	25.6	22.3	19.9	17.3	16.9	15.9					24.3
GM	All	All	1994	65.8	49.1		34.1	32.0	29.2	25.6	22.2	19.9	17.2	16.9	16.2					24.1
GM	All	All	1995		54.5	39.5	35.4	32.5	29.8	26.0	22.4	19.8	17.1	17.0	15.8					23.9
GM	All	All	1996				37.2	32.6	30.4	26.6	23.4	20.8	18.2	17.5	16.8					24.7
GM	All	All	1997		54.4	37.9	36.7	32.9	30.4	26.7	23.3	20.9	18.9	17.7	16.7					24.4
GM	All	All	1998		53.6	38.6	36.7	33.4	30.1	26.6	23.2	20.8	18.0	17.4	18.0					24.5
GM	All	All	1999		50.3	38.1	36.9	34.5	30.3	26.5	23.3	20.5	18.5	17.6	16.9					23.7
GM	All	All	2000		50.8	37.8	37.0	35.2	30.3	26.7	24.0	20.7	18.8	18.1	16.8					23.8
GM	All	All	2001			37.3	36.7	35.3	30.7	27.1	24.3	20.4	19.3	18.3	17.0					23.8
GM	All	All	2002				36.7	35.0	30.5	27.8	24.7	20.4	18.9	18.6	18.0					23.2
GM	All	All	2003						32.2	27.7	25.1	20.7	19.2	18.7	17.8					23.1
GM	All	All	2004					34.5	32.6	28.2	25.1	21.2	19.8	18.9	17.9					23.4
GM	All	All	2005					34.3	32.9	28.8	25.2	22.0	19.9	19.2	18.5					23.8
GM	All	All	2006					32.9	32.7	29.0	25.5	22.3	20.3	19.3	18.3	17.9				24.4
GM	All	All	2007					34.4	32.7	29.0	25.8	21.6	20.6	19.9	20.1					23.8
GM	All	All	2008					34.6	34.0	29.1	26.3	22.6	21.6	20.5	20.0	18.0				24.4
GM	All	All	2009					35.5	35.1	31.7	26.7	22.7	22.7	20.6	20.0	17.4				25.6
GM	All	All	2010					36.0	36.0	32.0	28.1	24.7	23.7	21.5	21.0					26.5
GM	All	All	2011					36.3	44.2	33.2	28.8	24.7	23.7	21.4	21.4	18.6	15.4			25.8
GM	All	All	2012						39.1	35.1	29.6	24.1	23.9	21.4	21.5	18.6	15.3	14.5		27.2
GM	All	All	2013				43.3		38.8	35.5	31.3	23.9	23.6	21.7	21.5	18.6	15.4			27.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
GM	All	All	2014				45.6		39.1	36.6	31.3	24.7	24.5	23.8	21.9	18.3	15.3			28.6
GM	All	All	2015				45.6		39.8	37.4	31.3	25.5	24.6	23.9	23.1	22.1	15.4			28.0
GM	All	All	2016				47.3		43.5	36.8	31.3	25.7	23.0	24.0	22.8	22.5	15.5			28.2
GM	All	All	2017				45.6		44.9	37.0	33.3	26.8	23.0	23.8	22.6	22.1	15.5			29.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	Car	1975				24.2	20.8	21.1											22.0
Toyota	Car	Car	1976				26.6		23.3											25.0
Toyota	Car	Car	1977			41.0	30.1	25.6	24.5											28.7
Toyota	Car	Car	1978			39.0	28.9	24.5	21.4											26.8
Toyota	Car	Car	1979			31.7	26.6		20.8											24.0
Toyota	Car	Car	1980		37.0	34.1	29.0	26.6	23.1											27.4
Toyota	Car	Car	1981		44.0	36.6	29.9		27.4											30.9
Toyota	Car	Car	1982		43.8	35.3	30.0	28.4	26.8	24.3										30.4
Toyota	Car	Car	1983		47.4	38.0	34.6	33.1	29.0	24.6										32.6
Toyota	Car	Car	1984		47.2	38.4	35.9	33.2	29.2	24.4										32.9
Toyota	Car	Car	1985			39.6	35.1	34.1	30.4	24.1										32.8
Toyota	Car	Car	1986			38.6	35.0	33.2	31.2	23.6	23.2									32.3
Toyota	Car	Car	1987			41.3	35.4	32.9	33.0	23.6	23.1									32.9
Toyota	Car	Car	1988			38.5	34.7	33.1	32.0	24.6	23.3									32.7
Toyota	Car	Car	1989			37.7	34.7	33.3	31.8	24.5	23.0									31.8
Toyota	Car	Car	1990			38.3	34.7	32.3	31.3	24.4	23.4									30.4
Toyota	Car	Car	1991			36.2	33.0	32.7	31.0	24.6	23.2									30.6
Toyota	Car	Car	1992			37.1	33.4	32.4	29.3	26.2	23.0									28.9
Toyota	Car	Car	1993			37.1	33.3	33.4	29.0	26.6	23.1									29.0
Toyota	Car	Car	1994			38.3	32.5	33.2	29.9	26.5	23.4									29.1
Toyota	Car	Car	1995			40.1	39.1	34.3	29.1	27.5	24.1									30.0
Toyota	Car	Car	1996			40.0	38.4	34.1	28.8	27.1	25.0									29.5
Toyota	Car	Car	1997			40.8	36.4	33.3	28.4	28.1	24.7									29.8
Toyota	Car	Car	1998			40.3	37.5	36.6	28.5	28.7	24.4									30.2
Toyota	Car	Car	1999			40.3	37.2	36.5	28.6	28.7	24.8									30.4
Toyota	Car	Car	2000			43.1	38.4	36.1	30.1	28.6	24.5									30.5
Toyota	Car	Car	2001			43.5	39.7	38.1	48.9	28.6	24.0									31.3
Toyota	Car	Car	2002			43.4	39.5	37.9	53.6	29.3	24.0									30.7
Toyota	Car	Car	2003			45.1	40.8	38.0	37.1	29.5	24.0									32.4
Toyota	Car	Car	2004			45.1	40.8	38.1	44.5	30.0	26.8	24.1								32.7
Toyota	Car	Car	2005			45.1	41.1	39.2	42.6	31.2	27.8	23.7								34.7
Toyota	Car	Car	2006				41.6	38.9	39.9	31.4	28.5	24.5								34.5
Toyota	Car	Car	2007				42.4	39.3	45.8	31.9	30.6	25.6								34.9
Toyota	Car	Car	2008				42.1	39.3	47.9	32.4	30.0	24.7		26.9						36.0
Toyota	Car	Car	2009				42.0		41.7	32.6	32.2	25.0	23.7	26.9						36.3
Toyota	Car	Car	2010				42.0		38.9	44.0	31.3	24.8	23.7	26.9						39.4
Toyota	Car	Car	2011				42.0		39.0	38.2	30.7	25.1	23.7	26.9						36.6
Toyota	Car	Car	2012			52.3	43.1	70.8	39.0	42.1	34.8	24.7	23.7	26.9						41.1
Toyota	Car	Car	2013			52.3	43.8	70.9	38.2	45.1	35.2	26.1	23.6	26.9						41.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	Car	2014			52.3	43.8	70.8	42.8	41.1	35.1	24.9	23.5	26.9						40.7
Toyota	Car	Car	2015			52.3	43.8	70.8	42.8	43.5	33.4	25.0	23.6	26.9						41.2
Toyota	Car	Car	2016				43.8	55.8	43.2	41.4	33.6	24.6	23.6	26.9						40.8
Toyota	Car	Car	2017				43.8	54.7	43.9	45.4	34.3	24.7	23.6							42.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	Car SUV	1975								12.0									12.0
Toyota	Car	Car SUV	1976								10.7									10.7
Toyota	Car	Car SUV	1977								13.7									13.7
Toyota	Car	Car SUV	1978								13.0									13.0
Toyota	Car	Car SUV	1979								13.8									13.8
Toyota	Car	Car SUV	1980																	
Toyota	Car	Car SUV	1981																	
Toyota	Car	Car SUV	1982																	
Toyota	Car	Car SUV	1983																	
Toyota	Car	Car SUV	1984																	
Toyota	Car	Car SUV	1985																	
Toyota	Car	Car SUV	1986																	
Toyota	Car	Car SUV	1987																	
Toyota	Car	Car SUV	1988																	
Toyota	Car	Car SUV	1989																	
Toyota	Car	Car SUV	1990								20.9									20.9
Toyota	Car	Car SUV	1991								21.4									21.4
Toyota	Car	Car SUV	1992								17.1									17.1
Toyota	Car	Car SUV	1993								18.2									18.2
Toyota	Car	Car SUV	1994																	
Toyota	Car	Car SUV	1995								21.4									21.4
Toyota	Car	Car SUV	1996					30.8	30.6	23.5	22.2									25.9
Toyota	Car	Car SUV	1997					29.8	28.0	24.6										27.9
Toyota	Car	Car SUV	1998						30.3		23.3									29.8
Toyota	Car	Car SUV	1999					30.9	30.5		24.5									27.5
Toyota	Car	Car SUV	2000						30.5		24.2									26.4
Toyota	Car	Car SUV	2001						30.4		23.9									27.1
Toyota	Car	Car SUV	2002						30.3		23.9									27.7
Toyota	Car	Car SUV	2003						30.3		23.9									28.4
Toyota	Car	Car SUV	2004						30.9		25.2									27.2
Toyota	Car	Car SUV	2005						30.9		25.2									27.8
Toyota	Car	Car SUV	2006							30.9	26.4									29.0
Toyota	Car	Car SUV	2007							30.5	25.8									27.8
Toyota	Car	Car SUV	2008							30.9	26.1									28.2
Toyota	Car	Car SUV	2009							31.8	27.9									29.2
Toyota	Car	Car SUV	2010							31.8	29.7	26.9	40.4							29.6
Toyota	Car	Car SUV	2011							31.8	29.8	26.8	40.3							30.0
Toyota	Car	Car SUV	2012							31.8	30.1	26.9	40.4							30.1
Toyota	Car	Car SUV	2013							34.9	30.1	26.9	40.4							31.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	Car SUV	2014							34.9	31.3	26.9	40.4							32.6
Toyota	Car	Car SUV	2015							34.9	32.6	27.1	40.3							31.8
Toyota	Car	Car SUV	2016							34.9	32.9	29.8	41.7							33.2
Toyota	Car	Car SUV	2017							34.9	32.7	29.8								33.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	All	1975				24.2	20.8	21.1		12.0									21.6
Toyota	Car	All	1976				26.6		23.3		10.7									24.3
Toyota	Car	All	1977			41.0	30.1	25.6	24.5		13.7									27.8
Toyota	Car	All	1978			39.0	28.9	24.5	21.4		13.0									26.1
Toyota	Car	All	1979			31.7	26.6		20.8		13.8									23.8
Toyota	Car	All	1980		37.0	34.1	29.0	26.6	23.1											27.4
Toyota	Car	All	1981		44.0	36.6	29.9		27.4											30.9
Toyota	Car	All	1982		43.8	35.3	30.0	28.4	26.8	24.3										30.4
Toyota	Car	All	1983		47.4	38.0	34.6	33.1	29.0	24.6										32.6
Toyota	Car	All	1984		47.2	38.4	35.9	33.2	29.2	24.4										32.9
Toyota	Car	All	1985			39.6	35.1	34.1	30.4	24.1										32.8
Toyota	Car	All	1986			38.6	35.0	33.2	31.2	23.6	23.2									32.3
Toyota	Car	All	1987			41.3	35.4	32.9	33.0	23.6	23.1									32.9
Toyota	Car	All	1988			38.5	34.7	33.1	32.0	24.6	23.3									32.7
Toyota	Car	All	1989			37.7	34.7	33.3	31.8	24.5	23.0									31.8
Toyota	Car	All	1990			38.3	34.7	32.3	31.3	24.4	23.1									30.3
Toyota	Car	All	1991			36.2	33.0	32.7	31.0	24.6	23.0									30.5
Toyota	Car	All	1992			37.1	33.4	32.4	29.3	26.2	22.7									28.8
Toyota	Car	All	1993			37.1	33.3	33.4	29.0	26.6	22.7									28.8
Toyota	Car	All	1994			38.3	32.5	33.2	29.9	26.5	23.4									29.1
Toyota	Car	All	1995			40.1	39.1	34.3	29.1	27.5	22.9									29.5
Toyota	Car	All	1996			40.0	38.4	34.0	30.2	26.9	24.5									29.3
Toyota	Car	All	1997			40.8	36.4	33.2	28.0	28.1	24.7									29.5
Toyota	Car	All	1998			40.3	37.5	36.6	30.2	28.7	24.3									30.2
Toyota	Car	All	1999			40.3	37.2	36.5	30.3	28.7	24.7									30.2
Toyota	Car	All	2000			43.1	38.4	36.1	30.4	28.6	24.4									30.3
Toyota	Car	All	2001			43.5	39.7	38.1	34.6	28.6	24.0									30.9
Toyota	Car	All	2002			43.4	39.5	37.9	35.3	29.3	24.0									30.4
Toyota	Car	All	2003			45.1	40.8	38.0	34.9	29.5	24.0									32.2
Toyota	Car	All	2004			45.1	40.8	38.1	39.8	30.0	26.3	24.1								32.1
Toyota	Car	All	2005			45.1	41.1	39.2	40.5	31.2	27.3	23.7								34.2
Toyota	Car	All	2006				41.6	38.9	39.9	31.3	28.3	24.5								34.1
Toyota	Car	All	2007				42.4	39.3	45.8	31.7	30.0	25.6								34.3
Toyota	Car	All	2008				42.1	39.3	47.9	32.1	29.3	24.7		26.9						35.2
Toyota	Car	All	2009				42.0		41.7	32.5	30.9	25.0	23.7	26.9						35.6
Toyota	Car	All	2010				42.0		38.9	42.5	31.0	26.6	30.2	26.9						38.1
Toyota	Car	All	2011				42.0		39.0	37.6	30.6	26.5	27.8	26.9						35.9
Toyota	Car	All	2012			52.3	43.1	70.8	39.0	41.2	34.1	26.5	28.1	26.9						40.1
Toyota	Car	All	2013			52.3	43.8	70.9	38.2	43.4	34.5	26.8	30.3	26.9						39.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Car	All	2014			52.3	43.8	70.8	42.8	40.4	34.8	26.5	26.2	26.9						39.9
Toyota	Car	All	2015			52.3	43.8	70.8	42.8	41.7	33.2	26.9	31.8	26.9						39.2
Toyota	Car	All	2016				43.8	55.8	43.2	40.2	33.4	29.0	26.4	26.9						39.5
Toyota	Car	All	2017				43.8	54.7	43.9	43.9	33.7	28.9	23.6							40.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Van	1975							20.5										20.5
Toyota	Truck	Van	1976																	
Toyota	Truck	Van	1977																	
Toyota	Truck	Van	1978																	
Toyota	Truck	Van	1979																	
Toyota	Truck	Van	1980																	
Toyota	Truck	Van	1981																	
Toyota	Truck	Van	1982																	
Toyota	Truck	Van	1983																	
Toyota	Truck	Van	1984						27.0	27.0										27.0
Toyota	Truck	Van	1985						26.6	26.7										26.6
Toyota	Truck	Van	1986						26.7	26.3										26.3
Toyota	Truck	Van	1987						26.0	25.1	24.3									25.5
Toyota	Truck	Van	1988						26.6	26.0	23.9									25.8
Toyota	Truck	Van	1989						26.8	26.1	23.7									25.9
Toyota	Truck	Van	1990																	
Toyota	Truck	Van	1991								22.9									22.9
Toyota	Truck	Van	1992								22.3									22.3
Toyota	Truck	Van	1993								21.9									21.9
Toyota	Truck	Van	1994								22.0	21.6								22.0
Toyota	Truck	Van	1995								22.7	22.1								22.6
Toyota	Truck	Van	1996								22.6	21.4								22.4
Toyota	Truck	Van	1997								22.6	21.4								22.3
Toyota	Truck	Van	1998								24.2									24.2
Toyota	Truck	Van	1999								24.1									24.1
Toyota	Truck	Van	2000								24.1									24.1
Toyota	Truck	Van	2001								24.7									24.7
Toyota	Truck	Van	2002								24.7									24.7
Toyota	Truck	Van	2003								24.7									24.7
Toyota	Truck	Van	2004								25.7	25.4								25.4
Toyota	Truck	Van	2005									24.7								24.7
Toyota	Truck	Van	2006									24.8								24.8
Toyota	Truck	Van	2007									26.1								26.1
Toyota	Truck	Van	2008									26.1								26.1
Toyota	Truck	Van	2009									26.1								26.1
Toyota	Truck	Van	2010									26.1								26.1
Toyota	Truck	Van	2011									26.6	23.4							26.3
Toyota	Truck	Van	2012									27.0	24.3							26.6
Toyota	Truck	Van	2013									26.9	24.3							26.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Van	2014									26.9	24.3							26.5
Toyota	Truck	Van	2015									26.8	24.3							26.4
Toyota	Truck	Van	2016									26.8	24.3							26.3
Toyota	Truck	Van	2017									28.9	27.5							28.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Truck SUV	1975																	
Toyota	Truck	Truck SUV	1976									11.6								11.6
Toyota	Truck	Truck SUV	1977									12.7								12.7
Toyota	Truck	Truck SUV	1978									11.5								11.5
Toyota	Truck	Truck SUV	1979									13.3								13.3
Toyota	Truck	Truck SUV	1980								13.8	13.3								13.8
Toyota	Truck	Truck SUV	1981								14.5	14.1								14.3
Toyota	Truck	Truck SUV	1982								14.5	14.1								14.2
Toyota	Truck	Truck SUV	1983								14.5	14.1								14.1
Toyota	Truck	Truck SUV	1984							22.1		13.5								17.3
Toyota	Truck	Truck SUV	1985							25.3		13.5								21.1
Toyota	Truck	Truck SUV	1986							25.7	24.4	13.7								23.3
Toyota	Truck	Truck SUV	1987							25.2	23.5	13.7								22.7
Toyota	Truck	Truck SUV	1988							25.6	21.1	15.4								20.3
Toyota	Truck	Truck SUV	1989								21.3	15.4								19.7
Toyota	Truck	Truck SUV	1990								20.4	18.7								19.4
Toyota	Truck	Truck SUV	1991								21.2	19.1	14.9							18.2
Toyota	Truck	Truck SUV	1992								22.7	17.5	14.5							17.0
Toyota	Truck	Truck SUV	1993								22.8	17.5	15.6							17.2
Toyota	Truck	Truck SUV	1994								18.7	17.6	15.6							17.4
Toyota	Truck	Truck SUV	1995								23.4	17.5	16.7							17.5
Toyota	Truck	Truck SUV	1996						28.4		20.9		16.7							21.4
Toyota	Truck	Truck SUV	1997							22.9	20.8		16.7							20.7
Toyota	Truck	Truck SUV	1998						28.1	26.7	21.1			17.4	17.1					22.1
Toyota	Truck	Truck SUV	1999						28.3	27.8	22.4	20.9			17.1					22.0
Toyota	Truck	Truck SUV	2000						28.1	28.1	22.4	20.9			17.1					21.7
Toyota	Truck	Truck SUV	2001							28.3	23.3	20.5		17.6	16.5					21.7
Toyota	Truck	Truck SUV	2002							28.5	23.3	20.5		18.1	16.5					21.7
Toyota	Truck	Truck SUV	2003							28.6	23.9	20.6	19.3	18.2	17.0					21.7
Toyota	Truck	Truck SUV	2004							28.3	24.8	22.8	19.2	18.0	17.0					22.2
Toyota	Truck	Truck SUV	2005							28.3	26.0	22.9	19.6	19.0	17.0					22.8
Toyota	Truck	Truck SUV	2006								27.5	25.5	19.6	19.0	17.3					24.4
Toyota	Truck	Truck SUV	2007								28.0	23.9	19.6	19.1	17.3					24.2
Toyota	Truck	Truck SUV	2008								28.8	24.8	24.6		19.7	18.8				24.7
Toyota	Truck	Truck SUV	2009								29.8	25.0	26.5		19.1	18.3				26.5
Toyota	Truck	Truck SUV	2010								30.0	25.7	28.9	22.0	19.9	18.4				26.6
Toyota	Truck	Truck SUV	2011								30.2	25.5	26.2	22.0	19.7	18.5				26.4
Toyota	Truck	Truck SUV	2012								30.3	25.2	27.0	22.0	19.5	18.4				26.5
Toyota	Truck	Truck SUV	2013								32.2	25.3	27.6	22.0	19.0	18.3				26.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Truck SUV	2014								32.6	26.2	24.8	21.9	19.0	18.3				26.8
Toyota	Truck	Truck SUV	2015								32.6	26.6	25.6	21.9	18.9	18.3				27.7
Toyota	Truck	Truck SUV	2016								34.6	27.0	24.9	21.9	19.0	18.6				27.5
Toyota	Truck	Truck SUV	2017								35.1	29.0	26.3	21.3	19.0	18.7				28.6

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Pickup	1975					21.3												21.3
Toyota	Truck	Pickup	1976					22.3	20.9	20.5										22.1
Toyota	Truck	Pickup	1977					27.4		22.0										27.2
Toyota	Truck	Pickup	1978					24.9	25.0	19.8										24.6
Toyota	Truck	Pickup	1979					19.7	19.1											19.5
Toyota	Truck	Pickup	1980					22.7	20.2	16.9										21.5
Toyota	Truck	Pickup	1981					27.0	26.6	19.4										26.5
Toyota	Truck	Pickup	1982					26.6	26.6	22.8										25.6
Toyota	Truck	Pickup	1983					27.6	25.6	22.8										25.5
Toyota	Truck	Pickup	1984					26.2	26.2	23.2										25.1
Toyota	Truck	Pickup	1985					31.0	27.2	24.2										27.0
Toyota	Truck	Pickup	1986					29.9	27.0	24.5	17.8									26.4
Toyota	Truck	Pickup	1987					29.8	27.7	24.3	17.9									26.6
Toyota	Truck	Pickup	1988					26.9	26.1	24.6	17.8									25.1
Toyota	Truck	Pickup	1989					26.5	27.5	23.6	20.3		13.5							23.5
Toyota	Truck	Pickup	1990					26.0	28.2	23.4	19.7		13.4							23.1
Toyota	Truck	Pickup	1991						27.5	23.9	19.8		13.1							23.8
Toyota	Truck	Pickup	1992					28.2	27.7	23.9	18.7		13.1							23.7
Toyota	Truck	Pickup	1993						28.4	23.1	18.9		13.0							23.8
Toyota	Truck	Pickup	1994						28.0	23.4	19.9									24.3
Toyota	Truck	Pickup	1995						27.4	23.4	20.6	19.8								23.3
Toyota	Truck	Pickup	1996						27.1	23.4	21.0	19.8								23.6
Toyota	Truck	Pickup	1997							24.2	20.6	19.0								20.4
Toyota	Truck	Pickup	1998						27.2	22.8	20.7	19.3								23.7
Toyota	Truck	Pickup	1999						27.2	22.5	21.4									23.2
Toyota	Truck	Pickup	2000						26.7	22.4	21.4	19.2	18.1							20.8
Toyota	Truck	Pickup	2001						27.1	23.5	21.6	19.1	18.0							21.2
Toyota	Truck	Pickup	2002						27.7	25.7	21.3	19.1	18.0							20.9
Toyota	Truck	Pickup	2003						27.7	26.6	21.3	19.5	18.2							21.0
Toyota	Truck	Pickup	2004						27.6	26.6	21.2	19.9	18.3	17.7						20.6
Toyota	Truck	Pickup	2005							27.0	23.4	21.7	19.5	18.7						21.6
Toyota	Truck	Pickup	2006							27.1	23.6	21.8	19.6	18.7						21.7
Toyota	Truck	Pickup	2007							28.5	23.8	22.0	21.2	20.1	18.7					21.3
Toyota	Truck	Pickup	2008							28.4	23.9	22.2	21.3	19.9	18.5					21.1
Toyota	Truck	Pickup	2009							28.9	25.0	22.5	21.3	19.9	18.9					23.5
Toyota	Truck	Pickup	2010							28.4	24.9	22.4	21.4	21.1	19.1					21.6
Toyota	Truck	Pickup	2011							28.7	25.3	22.5	22.8	21.1	19.0					21.9
Toyota	Truck	Pickup	2012							28.5	25.9	23.0	22.8	21.0	19.1					22.1
Toyota	Truck	Pickup	2013							29.3	26.0	23.1	22.4	21.1	19.1					22.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	Pickup	2014							29.3	26.1	23.1	22.4	20.7	19.0					21.7
Toyota	Truck	Pickup	2015								26.1	23.0		20.7	18.7					22.2
Toyota	Truck	Pickup	2016								27.7	26.3		20.8	18.9					22.9
Toyota	Truck	Pickup	2017								27.7	26.3		20.7	19.0					23.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	All	1975					21.3		20.5										21.3
Toyota	Truck	All	1976					22.3	20.9	20.5		11.6								21.5
Toyota	Truck	All	1977					27.4		22.0		12.7								26.8
Toyota	Truck	All	1978					24.9	25.0	19.8		11.5								23.8
Toyota	Truck	All	1979					19.7	19.1			13.3								19.5
Toyota	Truck	All	1980					22.7	20.2	16.9	13.8	13.3								21.4
Toyota	Truck	All	1981					27.0	26.6	19.4	14.5	14.1								26.2
Toyota	Truck	All	1982					26.6	26.6	22.8	14.5	14.1								25.2
Toyota	Truck	All	1983					27.6	25.6	22.8	14.5	14.1								25.0
Toyota	Truck	All	1984					26.2	26.4	24.2		13.5								24.9
Toyota	Truck	All	1985					31.0	27.0	24.8		13.5								26.5
Toyota	Truck	All	1986					29.9	27.0	24.9	22.0	13.7								26.1
Toyota	Truck	All	1987					29.8	27.0	24.5	21.1	13.7								25.9
Toyota	Truck	All	1988					26.9	26.1	24.7	20.1	15.4								24.4
Toyota	Truck	All	1989					26.5	27.5	23.9	20.7	15.4	13.5							23.2
Toyota	Truck	All	1990					26.0	28.2	23.4	20.0	18.7	13.4							21.9
Toyota	Truck	All	1991						27.5	23.9	21.8	19.1	14.3							22.4
Toyota	Truck	All	1992					28.2	27.7	23.9	20.6	17.5	14.0							22.0
Toyota	Truck	All	1993						28.4	23.1	20.2	17.5	14.7							22.3
Toyota	Truck	All	1994						28.0	23.4	20.0	17.6	15.6							22.0
Toyota	Truck	All	1995						27.4	23.4	21.1	17.9	16.7							21.2
Toyota	Truck	All	1996						27.4	23.4	21.0	20.0	16.7							22.8
Toyota	Truck	All	1997							23.0	20.8	19.4	16.7							20.7
Toyota	Truck	All	1998						27.2	24.5	21.9	19.3		17.4	17.1					23.1
Toyota	Truck	All	1999						27.2	24.3	22.6	20.9			17.1					22.6
Toyota	Truck	All	2000						26.7	24.1	22.8	19.7	18.1		17.1					21.7
Toyota	Truck	All	2001						27.1	25.6	23.1	19.8	18.0	17.6	16.5					21.8
Toyota	Truck	All	2002						27.7	27.3	22.9	19.7	18.0	18.1	16.5					21.7
Toyota	Truck	All	2003						27.7	27.8	23.0	20.1	18.6	18.2	17.0					21.6
Toyota	Truck	All	2004						27.6	27.7	22.8	23.9	18.7	17.9	17.0					22.4
Toyota	Truck	All	2005							27.9	24.4	23.4	19.5	18.9	17.0					22.7
Toyota	Truck	All	2006							27.1	25.3	24.7	19.6	18.8	17.3					23.4
Toyota	Truck	All	2007							28.5	26.1	24.2	20.2	19.7	18.7					23.2
Toyota	Truck	All	2008							28.4	26.2	24.9	23.9	19.9	18.7	18.8				23.5
Toyota	Truck	All	2009							28.9	27.8	24.7	25.5	19.9	18.9	18.3				25.4
Toyota	Truck	All	2010							28.4	28.3	25.1	28.1	21.3	19.2	18.4				24.7
Toyota	Truck	All	2011							28.7	28.5	25.5	25.2	21.4	19.1	18.5				24.9
Toyota	Truck	All	2012							28.5	28.8	25.3	26.1	21.3	19.1	18.4				24.9
Toyota	Truck	All	2013							29.3	30.0	25.2	26.5	21.4	19.1	18.3				25.4

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	Truck	All	2014							29.3	30.2	25.7	24.6	21.2	19.0	18.3				24.7
Toyota	Truck	All	2015								30.5	25.9	25.3	21.3	18.8	18.3				25.9
Toyota	Truck	All	2016								34.0	26.7	24.8	21.4	18.9	18.6				25.9
Toyota	Truck	All	2017								34.3	27.7	26.5	20.9	19.0	18.7				26.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	All	All	1975				24.2	20.9	21.1	20.5	12.0									21.6
Toyota	All	All	1976				26.6	22.3	23.3	20.5	10.7	11.6								24.0
Toyota	All	All	1977			41.0	30.1	26.5	24.5	22.0	13.7	12.7								27.7
Toyota	All	All	1978			39.0	28.9	24.6	22.4	19.8	13.0	11.5								25.7
Toyota	All	All	1979			31.7	26.6	19.7	20.6		13.8	13.3								22.9
Toyota	All	All	1980		37.0	34.1	29.0	23.0	22.5	16.9	13.8	13.3								25.9
Toyota	All	All	1981		44.0	36.6	29.9	27.0	27.2	19.4	14.5	14.1								29.9
Toyota	All	All	1982		43.8	35.3	30.0	27.6	26.8	23.4	14.5	14.1								29.1
Toyota	All	All	1983		47.4	38.0	34.6	29.9	27.9	23.8	14.5	14.1								30.5
Toyota	All	All	1984		47.2	38.4	35.9	29.4	27.8	24.3		13.5								29.7
Toyota	All	All	1985			39.6	35.1	32.6	28.3	24.6		13.5								30.0
Toyota	All	All	1986			38.6	35.0	31.8	29.3	24.6	22.2	13.7								29.4
Toyota	All	All	1987			41.3	35.4	30.7	31.7	24.4	22.3	13.7								30.0
Toyota	All	All	1988			38.5	34.7	29.2	30.9	24.7	21.1	15.4								29.6
Toyota	All	All	1989			37.7	34.7	30.8	30.9	24.2	21.2	15.4	13.5							28.9
Toyota	All	All	1990			38.3	34.7	31.3	30.8	24.0	21.4	18.7	13.4							27.8
Toyota	All	All	1991			36.2	33.0	32.7	30.1	24.3	22.1	19.1	14.3							27.5
Toyota	All	All	1992			37.1	33.4	32.0	28.4	25.9	21.7	17.5	14.0							26.8
Toyota	All	All	1993			37.1	33.3	33.4	28.5	25.9	21.6	17.5	14.7							26.7
Toyota	All	All	1994			38.3	32.5	33.2	28.2	26.0	21.4	17.6	15.6							26.4
Toyota	All	All	1995			40.1	39.1	34.3	27.6	27.0	22.0	17.9	16.7							27.0
Toyota	All	All	1996			40.0	38.4	34.0	27.9	26.5	21.9	20.0	16.7							27.4
Toyota	All	All	1997			40.8	36.4	33.2	28.0	27.5	21.3	19.4	16.7							27.1
Toyota	All	All	1998			40.3	37.5	36.6	28.0	27.9	22.4	19.3		17.4	17.1					27.4
Toyota	All	All	1999			40.3	37.2	36.5	28.3	28.1	22.9	20.9			17.1					27.1
Toyota	All	All	2000			43.1	38.4	36.1	28.2	28.1	23.0	19.7	18.1		17.1					26.2
Toyota	All	All	2001			43.5	39.7	38.1	32.1	28.0	23.3	19.8	18.0	17.6	16.5					26.5
Toyota	All	All	2002			43.4	39.5	37.9	33.3	29.1	23.1	19.7	18.0	18.1	16.5					26.0
Toyota	All	All	2003			45.1	40.8	38.0	33.7	29.3	23.1	20.1	18.6	18.2	17.0					27.1
Toyota	All	All	2004			45.1	40.8	38.1	37.6	29.7	24.2	23.9	18.7	17.9	17.0					26.6
Toyota	All	All	2005			45.1	41.1	39.2	40.5	30.8	25.8	23.5	19.5	18.9	17.0					28.8
Toyota	All	All	2006				41.6	38.9	39.9	30.9	26.8	24.7	19.6	18.8	17.3					28.4
Toyota	All	All	2007				42.4	39.3	45.8	31.6	28.7	24.3	20.2	19.7	18.7					29.6
Toyota	All	All	2008				42.1	39.3	47.9	31.8	28.2	24.9	23.9	20.1	18.7	18.8				29.0
Toyota	All	All	2009				42.0		41.7	32.4	29.7	24.7	25.2	20.1	18.9	18.3				32.4
Toyota	All	All	2010				42.0		38.9	42.1	29.7	25.4	28.4	21.3	19.2	18.4				32.4
Toyota	All	All	2011				42.0		39.0	37.5	29.6	25.6	25.4	21.4	19.1	18.5				30.6
Toyota	All	All	2012			52.3	43.1	70.8	39.0	41.0	30.9	25.4	26.3	21.3	19.1	18.4				32.9
Toyota	All	All	2013			52.3	43.8	70.9	38.2	43.0	32.1	25.4	26.8	21.5	19.1	18.3				32.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Toyota	All	All	2014			52.3	43.8	70.8	42.8	40.1	32.6	25.7	24.6	21.2	19.0	18.3				32.8
Toyota	All	All	2015			52.3	43.8	70.8	42.8	41.7	31.8	26.1	25.6	21.4	18.8	18.3				32.2
Toyota	All	All	2016				43.8	55.8	43.2	40.2	33.6	26.9	24.9	21.4	18.9	18.6				32.2
Toyota	All	All	2017				43.8	54.7	43.9	43.9	33.9	27.8	26.5	20.9	19.0	18.7				33.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	Car	1975					27.8	22.4	16.5	13.5	12.9	11.4	11.3						13.9
Ford	Car	Car	1976					27.8	25.6	18.6	17.1	15.2	14.7	13.3						16.6
Ford	Car	Car	1977					27.6	23.8	19.2	18.3	16.3	14.3	12.7						16.5
Ford	Car	Car	1978		37.3			26.1	22.3	19.6	18.3	16.7	14.7	13.5						18.6
Ford	Car	Car	1979		32.1			25.2	22.1	19.4	17.9	16.1	13.9							19.2
Ford	Car	Car	1980		29.8			25.7	23.7	20.1	18.9	18.1								22.5
Ford	Car	Car	1981		39.0	33.2	29.2	25.4	22.9	20.3	18.8	17.2								23.4
Ford	Car	Car	1982			34.5	31.2		22.4	20.8	19.8									24.5
Ford	Car	Car	1983			33.2	30.7		22.6	22.5	19.8									23.9
Ford	Car	Car	1984			38.5	32.6	29.2	25.6	23.3	20.0									25.3
Ford	Car	Car	1985			39.3	33.7	30.9	28.0	23.2	20.7	10.4								25.9
Ford	Car	Car	1986			32.5	33.9	31.1	27.9	24.6	22.0	10.4								26.7
Ford	Car	Car	1987				34.8	30.6	27.4	24.9	21.8	10.9								26.6
Ford	Car	Car	1988		45.7		34.2	31.9	27.5	25.5	22.6	10.9	10.9							27.0
Ford	Car	Car	1989		41.4		34.0	31.6	27.9	25.8	23.5	10.9								27.0
Ford	Car	Car	1990		44.4	37.8	34.6	32.0	27.7	25.8	23.5									26.3
Ford	Car	Car	1991		43.8	37.7	38.7	33.2	25.8	26.1	23.8	15.4								27.3
Ford	Car	Car	1992		44.7	37.7	39.4	33.2	27.4	26.4	24.3	17.1								26.8
Ford	Car	Car	1993		44.9	37.6	38.8	33.5	28.3	26.2	24.2	15.1								27.9
Ford	Car	Car	1994			41.1	38.6	34.7	28.3	26.2	23.8				13.9					27.2
Ford	Car	Car	1995			41.1	36.8	34.6	30.9	26.4	23.4				13.9					27.7
Ford	Car	Car	1996			39.8	37.4	34.1	29.3	26.0	23.6									26.3
Ford	Car	Car	1997			42.5	34.2	34.4	30.2	25.7	23.5	19.0								27.0
Ford	Car	Car	1998					33.8	30.8	26.0	23.2									27.5
Ford	Car	Car	1999					34.1	31.0	26.4	23.5									27.2
Ford	Car	Car	2000					33.5	32.4	26.2	23.6	21.8								27.2
Ford	Car	Car	2001					33.6	33.5	25.5	23.7	22.7								26.8
Ford	Car	Car	2002					33.6	32.3	26.4	23.5	22.4								27.1
Ford	Car	Car	2003					33.1	32.3	26.2	23.8	23.5								26.7
Ford	Car	Car	2004					35.9	31.6	26.0	24.1	23.1								25.7
Ford	Car	Car	2005						33.0	26.5	25.5	24.0								27.2
Ford	Car	Car	2006						33.7	27.3	25.1	23.0								26.9
Ford	Car	Car	2007						35.3	27.1	24.9	22.9				19.1				27.7
Ford	Car	Car	2008					37.3	35.9	29.0	25.8	22.3								28.1
Ford	Car	Car	2009						37.6	29.2	25.7	24.3								30.0
Ford	Car	Car	2010						37.3	31.3	28.9	24.8								31.1
Ford	Car	Car	2011					43.8	37.6	34.0	28.8	24.6				19.1				32.1
Ford	Car	Car	2012					44.2	41.6	33.6	28.9	25.5								35.3
Ford	Car	Car	2013					44.2	41.3	34.3	35.7	27.0								36.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	Car	2014					41.4	40.6	34.2	33.8	26.3								36.2
Ford	Car	Car	2015					41.4	42.5	35.9	32.9	26.2								35.4
Ford	Car	Car	2016					42.0	41.8	35.8	33.8	25.3								36.1
Ford	Car	Car	2017					42.3	40.6	36.0	34.0	26.6	25.1							34.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	Car SUV	1975																	
Ford	Car	Car SUV	1976																	
Ford	Car	Car SUV	1977																	
Ford	Car	Car SUV	1978																	
Ford	Car	Car SUV	1979																	
Ford	Car	Car SUV	1980																	
Ford	Car	Car SUV	1981																	
Ford	Car	Car SUV	1982																	
Ford	Car	Car SUV	1983																	
Ford	Car	Car SUV	1984																	
Ford	Car	Car SUV	1985																	
Ford	Car	Car SUV	1986							23.5										23.5
Ford	Car	Car SUV	1987							23.3										23.3
Ford	Car	Car SUV	1988							23.0										23.0
Ford	Car	Car SUV	1989							23.1										23.1
Ford	Car	Car SUV	1990							23.2										23.2
Ford	Car	Car SUV	1991								21.2									21.2
Ford	Car	Car SUV	1992								21.2									21.2
Ford	Car	Car SUV	1993								21.6									21.6
Ford	Car	Car SUV	1994								21.1									21.1
Ford	Car	Car SUV	1995								22.5									22.5
Ford	Car	Car SUV	1996								22.3									22.3
Ford	Car	Car SUV	1997								21.4									21.4
Ford	Car	Car SUV	1998								21.2									21.2
Ford	Car	Car SUV	1999								21.7									21.7
Ford	Car	Car SUV	2000								21.0									21.0
Ford	Car	Car SUV	2001							24.7	21.2									22.3
Ford	Car	Car SUV	2002							25.0	20.7									23.6
Ford	Car	Car SUV	2003							25.1	21.0									24.1
Ford	Car	Car SUV	2004							25.1										25.1
Ford	Car	Car SUV	2005							26.3	39.2									26.6
Ford	Car	Car SUV	2006							26.5	39.1									27.3
Ford	Car	Car SUV	2007							26.6	40.6	24.3								25.7
Ford	Car	Car SUV	2008							27.4	43.4	24.6								27.0
Ford	Car	Car SUV	2009							28.9	44.2	24.6								28.6
Ford	Car	Car SUV	2010							29.7	44.1	25.9								28.3
Ford	Car	Car SUV	2011							29.5	30.0	28.0								29.0
Ford	Car	Car SUV	2012							29.6	33.6	28.5								29.6
Ford	Car	Car SUV	2013							34.1	32.7	28.3								30.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	Car SUV	2014							31.9	32.2	28.3								31.0
Ford	Car	Car SUV	2015							34.4	32.3	28.4								31.6
Ford	Car	Car SUV	2016							35.2	32.4	28.1								31.8
Ford	Car	Car SUV	2017								33.5	28.5								32.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	All	1975					27.8	22.4	16.5	13.5	12.9	11.4	11.3						13.9
Ford	Car	All	1976					27.8	25.6	18.6	17.1	15.2	14.7	13.3						16.6
Ford	Car	All	1977					27.6	23.8	19.2	18.3	16.3	14.3	12.7						16.5
Ford	Car	All	1978		37.3			26.1	22.3	19.6	18.3	16.7	14.7	13.5						18.6
Ford	Car	All	1979		32.1			25.2	22.1	19.4	17.9	16.1	13.9							19.2
Ford	Car	All	1980		29.8			25.7	23.7	20.1	18.9	18.1								22.5
Ford	Car	All	1981		39.0	33.2	29.2	25.4	22.9	20.3	18.8	17.2								23.4
Ford	Car	All	1982			34.5	31.2		22.4	20.8	19.8									24.5
Ford	Car	All	1983			33.2	30.7		22.6	22.5	19.8									23.9
Ford	Car	All	1984			38.5	32.6	29.2	25.6	23.3	20.0									25.3
Ford	Car	All	1985			39.3	33.7	30.9	28.0	23.2	20.7	10.4								25.9
Ford	Car	All	1986			32.5	33.9	31.1	27.9	24.6	22.0	10.4								26.7
Ford	Car	All	1987				34.8	30.6	27.4	24.8	21.8	10.9								26.5
Ford	Car	All	1988		45.7		34.2	31.9	27.5	25.3	22.6	10.9	10.9							26.9
Ford	Car	All	1989		41.4		34.0	31.6	27.9	25.6	23.5	10.9								27.0
Ford	Car	All	1990		44.4	37.8	34.6	32.0	27.7	25.7	23.5									26.3
Ford	Car	All	1991		43.8	37.7	38.7	33.2	25.8	26.1	23.3	15.4								27.0
Ford	Car	All	1992		44.7	37.7	39.4	33.2	27.4	26.4	23.7	17.1								26.4
Ford	Car	All	1993		44.9	37.6	38.8	33.5	28.3	26.2	23.7	15.1								27.5
Ford	Car	All	1994			41.1	38.6	34.7	28.3	26.2	23.3				13.9					26.8
Ford	Car	All	1995			41.1	36.8	34.6	30.9	26.4	23.3				13.9					27.7
Ford	Car	All	1996			39.8	37.4	34.1	29.3	26.0	23.5									26.2
Ford	Car	All	1997			42.5	34.2	34.4	30.2	25.7	23.4	19.0								26.9
Ford	Car	All	1998					33.8	30.8	26.0	22.5									26.7
Ford	Car	All	1999					34.1	31.0	26.4	22.9									26.6
Ford	Car	All	2000					33.5	32.4	26.2	22.9	21.8								26.5
Ford	Car	All	2001					33.6	33.5	25.4	22.9	22.7								26.1
Ford	Car	All	2002					33.6	32.3	26.2	23.2	22.4								26.8
Ford	Car	All	2003					33.1	32.3	26.0	23.2	23.5								26.5
Ford	Car	All	2004					35.9	31.6	25.9	24.1	23.1								25.7
Ford	Car	All	2005						33.0	26.4	25.7	24.0								27.2
Ford	Car	All	2006						33.7	27.1	25.4	23.0								26.9
Ford	Car	All	2007						35.3	27.0	25.3	23.6				19.1				27.4
Ford	Car	All	2008					37.3	35.9	28.3	26.7	23.3								27.8
Ford	Car	All	2009						37.6	29.1	27.4	24.4								29.6
Ford	Car	All	2010						37.3	30.8	29.2	25.4								30.4
Ford	Car	All	2011					43.8	37.6	32.0	28.9	26.4				19.1				31.2
Ford	Car	All	2012					44.2	41.6	32.2	29.2	27.8								34.1
Ford	Car	All	2013					44.2	41.3	34.2	34.6	28.0								34.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Car	All	2014					41.4	40.6	33.3	33.4	27.9								34.8
Ford	Car	All	2015					41.4	42.5	35.6	32.7	27.8								34.4
Ford	Car	All	2016					42.0	41.8	35.7	33.4	27.6								35.0
Ford	Car	All	2017					42.3	40.6	36.0	33.8	27.5	25.1							34.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Van	1975								13.0	11.5	11.1							12.6
Ford	Truck	Van	1976								13.4	13.5	11.4							13.4
Ford	Truck	Van	1977								16.0	14.0	11.7							15.5
Ford	Truck	Van	1978								15.4	13.8	11.9							15.0
Ford	Truck	Van	1979								15.6	12.4	11.1	11.0	10.6					12.1
Ford	Truck	Van	1980								19.7	17.1	14.6	12.4	10.9					16.2
Ford	Truck	Van	1981								19.9	16.9	14.6	13.4						16.8
Ford	Truck	Van	1982								19.3	16.1	14.8	13.4						16.2
Ford	Truck	Van	1983								18.8	16.2	15.0	12.1						16.3
Ford	Truck	Van	1984								18.8	15.7	14.8	12.1						16.6
Ford	Truck	Van	1985								18.9	15.5	15.0	12.3						16.2
Ford	Truck	Van	1986						29.0	23.3	21.4	18.3	16.0	12.8						19.7
Ford	Truck	Van	1987						30.9	23.3	21.9	17.8	15.8	13.6						19.6
Ford	Truck	Van	1988							22.5	21.8	18.4	16.7	13.6						19.4
Ford	Truck	Van	1989							22.7	22.0	17.8	16.5	13.6						19.8
Ford	Truck	Van	1990							22.9	21.4	17.9	16.3	14.2						19.3
Ford	Truck	Van	1991							23.1	21.7	18.0	16.6	15.0						19.8
Ford	Truck	Van	1992							23.9	21.7	19.8	17.3	16.0	14.8					19.7
Ford	Truck	Van	1993							23.7	22.5	20.0	17.3	16.0						20.8
Ford	Truck	Van	1994							23.7	22.2	20.1	17.4	16.1	15.5					19.9
Ford	Truck	Van	1995							23.4	22.8		17.5	16.2	16.0					21.7
Ford	Truck	Van	1996							23.5	22.9	20.2	17.1	15.8	16.1					21.4
Ford	Truck	Van	1997							22.3	22.4	19.4	19.0	17.2	16.6					20.7
Ford	Truck	Van	1998								23.3		19.3	17.4	16.6					22.4
Ford	Truck	Van	1999								22.8	22.2	18.1	17.4	16.2					21.0
Ford	Truck	Van	2000								22.8	22.4	18.5	18.0	16.3					21.6
Ford	Truck	Van	2001								22.0		19.6	17.4	16.0					18.0
Ford	Truck	Van	2002								22.3	22.9	19.1	17.8	17.1					21.9
Ford	Truck	Van	2003								23.6	23.2	19.1	17.3						22.2
Ford	Truck	Van	2004									22.1	19.4	19.3	16.9					21.5
Ford	Truck	Van	2005								26.5	23.6	19.3	19.0	16.9					23.5
Ford	Truck	Van	2006								26.5	23.1	19.1	19.0	16.9					22.6
Ford	Truck	Van	2007								26.5	23.3								24.6
Ford	Truck	Van	2008									24.0								24.0
Ford	Truck	Van	2009									24.4								24.4
Ford	Truck	Van	2010							30.3										30.3
Ford	Truck	Van	2011							30.1				15.9	17.3	13.8	13.5			27.7
Ford	Truck	Van	2012							30.5				14.4	17.3	15.1	13.2			28.5
Ford	Truck	Van	2013							30.5				17.1	17.2	13.7	13.3			28.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Van	2014							31.2	30.3	30.5	25.0	17.2	17.1	15.3	13.2			28.5
Ford	Truck	Van	2015							31.2	30.6	30.5	25.0		20.8					28.9
Ford	Truck	Van	2016							30.3	29.5		24.8		20.0		19.9			27.7
Ford	Truck	Van	2017							30.0	29.7		24.8		20.1					27.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Truck SUV	1975										10.6							10.6
Ford	Truck	Truck SUV	1976										13.7							13.7
Ford	Truck	Truck SUV	1977										14.5							14.5
Ford	Truck	Truck SUV	1978										13.2							13.2
Ford	Truck	Truck SUV	1979										11.0							11.0
Ford	Truck	Truck SUV	1980									14.8	13.1							14.0
Ford	Truck	Truck SUV	1981									16.4	13.3							15.1
Ford	Truck	Truck SUV	1982									15.8	13.2							14.8
Ford	Truck	Truck SUV	1983									16.7	13.1							15.3
Ford	Truck	Truck SUV	1984							21.2		16.9	14.0							18.3
Ford	Truck	Truck SUV	1985							21.8		18.4	14.0							18.8
Ford	Truck	Truck SUV	1986							22.2		18.0	16.0							19.8
Ford	Truck	Truck SUV	1987							22.6		20.1	16.0							20.0
Ford	Truck	Truck SUV	1988							21.9		19.5	16.2							19.6
Ford	Truck	Truck SUV	1989								21.8	18.6	16.2							18.6
Ford	Truck	Truck SUV	1990							23.5	21.9	19.8	16.0							18.0
Ford	Truck	Truck SUV	1991								20.8	20.1	16.1							19.8
Ford	Truck	Truck SUV	1992								21.3	19.9	16.2							19.6
Ford	Truck	Truck SUV	1993								21.6	20.2	16.4							19.7
Ford	Truck	Truck SUV	1994								20.6	20.1	17.0							19.7
Ford	Truck	Truck SUV	1995								22.0	20.0	17.0							19.6
Ford	Truck	Truck SUV	1996									19.9	16.5							19.6
Ford	Truck	Truck SUV	1997								21.6	19.4	18.2	16.9						18.7
Ford	Truck	Truck SUV	1998								20.7	19.5	18.2	16.8	16.0					18.2
Ford	Truck	Truck SUV	1999								20.1	19.5	17.8	17.2	16.4					18.1
Ford	Truck	Truck SUV	2000								20.4	19.6	19.4	17.3	16.2					18.4
Ford	Truck	Truck SUV	2001							23.6		20.9			15.6					20.9
Ford	Truck	Truck SUV	2002							23.8	20.3	19.6	19.3	17.3	15.9					19.6
Ford	Truck	Truck SUV	2003							23.6	19.7	20.0	18.6	18.2	17.0					19.0
Ford	Truck	Truck SUV	2004							23.6	21.7	20.2	18.6	19.3	16.9					19.2
Ford	Truck	Truck SUV	2005							25.2	24.2	19.5	18.1		18.0					20.2
Ford	Truck	Truck SUV	2006							26.5	25.4	20.2	19.4		17.9					20.2
Ford	Truck	Truck SUV	2007							26.5	25.3	22.1	19.4		18.3					21.1
Ford	Truck	Truck SUV	2008							28.4	26.1	22.9	19.8		18.5					22.5
Ford	Truck	Truck SUV	2009								27.2	24.1	20.5		20.3					24.1
Ford	Truck	Truck SUV	2010							29.5	27.5	25.0	20.5		19.7	18.4				23.1
Ford	Truck	Truck SUV	2011							29.5	27.3	25.7	24.2		20.4	18.6			16.4	24.5
Ford	Truck	Truck SUV	2012							29.5	26.4	26.4	24.4		20.3	18.6			16.4	24.8
Ford	Truck	Truck SUV	2013								32.0	26.3	24.6		20.1	18.5	19.9		16.4	26.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Truck SUV	2014								31.9	26.2	24.7		20.8	18.6	19.9		16.4	26.2
Ford	Truck	Truck SUV	2015								31.2	26.7	24.5		22.1	21.2	19.9			26.2
Ford	Truck	Truck SUV	2016								31.7	26.4	24.3		22.1	21.1				26.1
Ford	Truck	Truck SUV	2017								31.0	26.3	24.3		22.6	21.2				26.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Pickup	1975						21.1	14.2	12.6	11.7	10.9	9.3						12.6
Ford	Truck	Pickup	1976						22.9	17.5	14.7	12.6	11.4	10.8						13.9
Ford	Truck	Pickup	1977						29.5	20.7	17.1	13.9	12.7	12.0						15.9
Ford	Truck	Pickup	1978						29.2	19.6	17.1	13.9	12.9	12.4	10.9					15.9
Ford	Truck	Pickup	1979						26.3	18.4	15.4	13.5	11.0	9.5						14.8
Ford	Truck	Pickup	1980						25.9	17.5	18.9	14.7	13.3	12.5						18.0
Ford	Truck	Pickup	1981					28.4	26.3	21.6	19.2	15.0	13.6	13.3						19.3
Ford	Truck	Pickup	1982					28.9	26.7	22.2	18.3	14.3	14.2							18.3
Ford	Truck	Pickup	1983					28.1	24.4	21.6	17.9	15.6	13.6							20.3
Ford	Truck	Pickup	1984					28.8	25.3	22.0	18.2	15.7	14.7							19.5
Ford	Truck	Pickup	1985					28.6	25.7	23.0	18.4	16.5	13.3							20.3
Ford	Truck	Pickup	1986					28.8	26.6	23.1	19.0	17.5	15.3							20.6
Ford	Truck	Pickup	1987					29.0	26.8	23.7	19.2	17.1	15.9							20.9
Ford	Truck	Pickup	1988						27.6	22.6	19.6	17.9	15.6							21.2
Ford	Truck	Pickup	1989						28.6	23.6	20.2	18.2	16.0							20.4
Ford	Truck	Pickup	1990						30.0	23.2	20.2	18.6	15.9							20.8
Ford	Truck	Pickup	1991						29.9	24.5	20.2	18.4	16.2							21.0
Ford	Truck	Pickup	1992						30.1	26.2	21.3	18.5	16.9							20.6
Ford	Truck	Pickup	1993						30.0	25.7	21.7	19.1	17.0							21.2
Ford	Truck	Pickup	1994							25.7	20.9	19.1	17.5							21.4
Ford	Truck	Pickup	1995							26.8	22.0	19.0	17.4	15.6						20.3
Ford	Truck	Pickup	1996							26.3	21.8	18.4	17.1							21.4
Ford	Truck	Pickup	1997							27.2	21.6	20.0	18.4	16.5						21.2
Ford	Truck	Pickup	1998							25.1	21.2	20.1	18.0	16.6						20.8
Ford	Truck	Pickup	1999							23.9	20.5	20.1	17.9	15.9						20.3
Ford	Truck	Pickup	2000							24.3	20.8	20.1	18.4	16.7						20.5
Ford	Truck	Pickup	2001							24.2	20.4	20.4	18.6	17.4						19.8
Ford	Truck	Pickup	2002							24.7	20.3	20.3	18.8	17.5	15.9					20.0
Ford	Truck	Pickup	2003							25.9	21.0	20.6	18.8	17.3	15.8					20.0
Ford	Truck	Pickup	2004							25.6	21.0	20.3	19.2	19.0	17.8					19.4
Ford	Truck	Pickup	2005							25.9	21.0	19.7	19.8	18.7	18.0	16.3				19.1
Ford	Truck	Pickup	2006							26.3	21.2		19.9	18.8	17.6	15.2				19.0
Ford	Truck	Pickup	2007							26.4	20.7		20.2	19.1	17.7	15.1				19.4
Ford	Truck	Pickup	2008							26.8	20.7	20.7	20.2	19.1	18.3	16.0				19.9
Ford	Truck	Pickup	2009							27.9	21.2		20.8	21.0	19.5					21.0
Ford	Truck	Pickup	2010							27.7	21.1		20.9	21.1	19.7					20.7
Ford	Truck	Pickup	2011							27.7	21.2		23.0	22.6	20.9	16.2				21.7
Ford	Truck	Pickup	2012										23.1	22.9	21.1	16.7				21.5
Ford	Truck	Pickup	2013										23.8	22.9	21.4	16.7				21.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	Pickup	2014										23.8	22.8	21.3	16.7				21.7
Ford	Truck	Pickup	2015								26.3	26.4	23.5	20.8						23.7
Ford	Truck	Pickup	2016								26.7	26.3	23.5	22.2						23.9
Ford	Truck	Pickup	2017								27.1	26.7	24.3	22.9	20.9					24.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	All	1975						21.1	14.2	12.8	11.7	10.9	9.3						12.5
Ford	Truck	All	1976						22.9	17.5	14.3	12.8	11.7	10.8						13.8
Ford	Truck	All	1977						29.5	20.7	16.8	13.9	13.1	12.0						15.8
Ford	Truck	All	1978						29.2	19.6	16.5	13.9	13.1	12.4	10.9					15.5
Ford	Truck	All	1979						26.3	18.4	15.4	13.1	11.0	9.7	10.6					14.0
Ford	Truck	All	1980						25.9	17.5	19.0	15.3	13.6	12.4	10.9					17.4
Ford	Truck	All	1981					28.4	26.3	21.6	19.3	15.9	13.9	13.3						18.6
Ford	Truck	All	1982					28.9	26.7	22.2	18.4	15.5	14.2	13.4						17.5
Ford	Truck	All	1983					28.1	24.4	21.6	18.0	16.0	14.1	12.1						19.1
Ford	Truck	All	1984					28.8	25.3	21.5	18.3	15.8	14.4	12.1						18.8
Ford	Truck	All	1985					28.6	25.7	22.2	18.5	16.2	14.3	12.3						19.3
Ford	Truck	All	1986					28.8	26.7	22.7	19.7	17.8	15.9	12.8						20.3
Ford	Truck	All	1987					29.0	26.8	23.2	20.6	17.3	15.9	13.6						20.4
Ford	Truck	All	1988						27.6	22.3	20.7	17.9	16.3	13.6						20.5
Ford	Truck	All	1989						28.6	23.4	21.6	18.1	16.2	13.6						20.0
Ford	Truck	All	1990						30.0	23.2	21.2	18.5	16.1	14.2						20.1
Ford	Truck	All	1991						29.9	24.4	21.1	19.2	16.3	15.0						20.4
Ford	Truck	All	1992						30.1	26.1	21.6	19.1	16.9	16.0	14.8					20.1
Ford	Truck	All	1993						30.0	25.6	22.3	19.5	17.0	16.0						20.8
Ford	Truck	All	1994							25.6	21.7	19.6	17.4	16.1	15.5					20.7
Ford	Truck	All	1995							26.6	22.7	19.4	17.4	16.2	16.0					20.6
Ford	Truck	All	1996							26.2	22.7	19.4	17.0	15.8	16.1					20.8
Ford	Truck	All	1997							27.0	22.0	19.7	18.5	16.9	16.6					20.2
Ford	Truck	All	1998							25.1	22.7	19.8	18.3	16.8	16.0					20.2
Ford	Truck	All	1999							23.9	21.0	20.4	17.9	17.1	16.4					19.7
Ford	Truck	All	2000							24.3	21.0	20.6	18.6	17.3	16.2					19.9
Ford	Truck	All	2001							24.0	20.5	20.8	18.8	17.4	15.8					19.8
Ford	Truck	All	2002							24.3	20.6	20.2	18.9	17.5	15.9					20.0
Ford	Truck	All	2003							24.7	21.1	20.9	18.8	17.7	17.0					19.8
Ford	Truck	All	2004							24.5	21.0	20.6	18.9	19.1	17.5					19.5
Ford	Truck	All	2005							25.7	23.6	21.0	19.1	18.7	18.0	16.3				20.0
Ford	Truck	All	2006							26.4	24.2	21.8	19.6	18.8	17.7	15.2				19.8
Ford	Truck	All	2007							26.4	23.8	22.3	19.9	19.1	17.8	15.1				20.2
Ford	Truck	All	2008							27.2	24.6	23.1	20.0	19.1	18.3	16.0				21.0
Ford	Truck	All	2009							27.9	25.7	24.2	20.7	21.0	19.6					22.1
Ford	Truck	All	2010							29.0	25.9	25.0	20.7	21.1	19.7	18.4				21.8
Ford	Truck	All	2011							28.6	24.7	25.7	23.8	22.5	20.8	17.7	13.5		16.4	22.9
Ford	Truck	All	2012							30.0	26.4	26.4	23.9	22.9	21.0	17.9	13.2		16.4	23.1
Ford	Truck	All	2013							30.5	32.0	26.3	24.4	22.8	21.3	17.7	19.6		16.4	23.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	Truck	All	2014							31.2	31.6	26.2	24.5	22.8	21.3	17.8	19.5		16.4	23.8
Ford	Truck	All	2015							31.2	31.0	26.7	23.7	20.8	21.7	21.2	19.9			25.2
Ford	Truck	All	2016							30.3	30.8	26.4	23.8	22.2	21.3	21.1	19.9			25.1
Ford	Truck	All	2017							30.0	30.7	26.4	24.3	22.9	21.4	21.2				25.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	All	All	1975					27.8	22.2	16.5	13.1	12.3	11.3	11.1						13.5
Ford	All	All	1976					27.8	25.2	18.6	15.7	14.0	14.1	13.0						15.7
Ford	All	All	1977					27.6	25.2	19.2	17.5	15.4	14.1	12.6						16.3
Ford	All	All	1978		37.3			26.1	23.0	19.6	16.7	15.9	14.2	13.0	10.9					17.5
Ford	All	All	1979		32.1			25.2	22.4	19.4	16.5	15.0	12.2	9.7	10.6					17.3
Ford	All	All	1980		29.8			25.7	23.9	20.1	19.0	16.0	13.6	12.4	10.9					20.8
Ford	All	All	1981		39.0	33.2	29.2	27.2	23.1	20.5	19.1	16.0	13.9	13.3						21.6
Ford	All	All	1982			34.5	31.2	28.9	22.6	21.0	19.1	15.5	14.2	13.4						22.1
Ford	All	All	1983			33.2	30.7	28.1	23.2	22.5	19.0	16.0	14.1	12.1						21.9
Ford	All	All	1984			38.5	32.6	29.2	25.5	22.9	19.2	15.8	14.4	12.1						22.8
Ford	All	All	1985			39.3	33.7	30.6	26.7	23.0	19.9	16.2	14.3	12.3						23.4
Ford	All	All	1986			32.5	33.9	30.6	27.5	24.0	20.7	17.8	15.9	12.8						23.9
Ford	All	All	1987				34.8	30.4	27.2	24.4	21.3	17.3	15.9	13.6						24.0
Ford	All	All	1988		45.7		34.2	31.9	27.5	24.5	21.9	17.9	16.3	13.6						24.4
Ford	All	All	1989		41.4		34.0	31.6	28.0	25.2	22.8	18.1	16.2	13.6						24.2
Ford	All	All	1990		44.4	37.8	34.6	32.0	28.1	25.1	22.7	18.5	16.1	14.2						23.7
Ford	All	All	1991		43.8	37.7	38.7	33.2	26.5	25.6	22.6	19.2	16.3	15.0						24.2
Ford	All	All	1992		44.7	37.7	39.4	33.2	27.5	26.3	23.1	19.1	16.9	16.0	14.8					23.5
Ford	All	All	1993		44.9	37.6	38.8	33.5	28.5	26.1	23.1	19.5	17.0	16.0						24.5
Ford	All	All	1994			41.1	38.6	34.7	28.3	25.9	22.8	19.6	17.4	16.1	15.5					23.7
Ford	All	All	1995			41.1	36.8	34.6	30.9	26.5	23.0	19.4	17.4	16.2	16.0					24.0
Ford	All	All	1996			39.8	37.4	34.1	29.3	26.1	23.2	19.4	17.0	15.8	16.1					23.3
Ford	All	All	1997			42.5	34.2	34.4	30.2	26.1	22.8	19.7	18.5	16.9	16.6					22.8
Ford	All	All	1998					33.8	30.8	25.8	22.6	19.8	18.3	16.8	16.0					22.8
Ford	All	All	1999					34.1	31.0	25.8	22.2	20.4	17.9	17.1	16.4					22.6
Ford	All	All	2000					33.5	32.4	25.8	22.2	20.6	18.6	17.3	16.2					22.8
Ford	All	All	2001					33.6	33.5	25.1	22.1	20.8	18.8	17.4	15.8					22.4
Ford	All	All	2002					33.6	32.3	25.7	22.1	20.2	18.9	17.5	15.9					22.3
Ford	All	All	2003					33.1	32.3	25.7	21.8	21.5	18.8	17.7	17.0					22.1
Ford	All	All	2004					35.9	31.6	25.6	21.9	21.2	18.9	19.1	17.5					21.1
Ford	All	All	2005						33.0	26.3	24.6	21.8	19.1	18.7	18.0	16.3				22.6
Ford	All	All	2006						33.7	27.1	24.9	22.3	19.6	18.8	17.7	15.2				22.5
Ford	All	All	2007						35.3	27.0	24.7	23.0	19.9	19.1	17.8	18.7				23.5
Ford	All	All	2008					37.3	35.9	28.1	25.8	23.2	20.0	19.1	18.3	16.0				24.1
Ford	All	All	2009						37.6	28.9	26.5	24.3	20.7	21.0	19.6					25.8
Ford	All	All	2010						37.3	30.5	27.9	25.3	20.7	21.1	19.7	18.4				25.6
Ford	All	All	2011					43.8	37.6	31.2	27.1	26.1	23.8	22.5	20.8	17.7	13.5		16.4	26.4
Ford	All	All	2012					44.2	41.6	31.9	28.4	26.9	23.9	22.9	21.0	17.9	13.2		16.4	28.7
Ford	All	All	2013					44.2	41.3	33.6	34.0	27.1	24.4	22.8	21.3	17.7	19.6		16.4	28.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Ford	All	All	2014					41.4	40.6	33.3	32.9	26.8	24.5	22.8	21.3	17.8	19.5		16.4	28.7
Ford	All	All	2015					41.4	42.5	35.5	32.2	26.9	23.7	20.8	21.7	21.2	19.9			28.9
Ford	All	All	2016					42.0	41.8	35.5	32.6	26.6	23.8	22.2	21.3	21.1	19.9			28.9
Ford	All	All	2017					42.3	40.6	35.9	32.8	26.7	24.3	22.9	21.4	21.2				28.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Car	Car	1975			26.6	23.4	22.6	20.8	19.5	16.6	12.9	13.7	12.6						15.8
Fiat-Chrysler	Car	Car	1976			24.6	26.1	24.2	21.7	19.5	17.9	14.1	13.6	12.3						16.8
Fiat-Chrysler	Car	Car	1977			29.6	28.4	22.1	21.6	20.4	17.4	14.6	13.3	12.1						16.7
Fiat-Chrysler	Car	Car	1978			28.1	28.2	24.5	24.6	20.0	17.6	15.4	13.5	11.0						19.1
Fiat-Chrysler	Car	Car	1979		37.6	32.6	28.0	24.7	22.9	20.2	17.9	16.4								21.0
Fiat-Chrysler	Car	Car	1980		38.8	31.3	27.5	25.1	23.1	20.1	17.4									22.7
Fiat-Chrysler	Car	Car	1981		41.7	34.0	29.6	26.7	23.4	21.1	18.5									26.1
Fiat-Chrysler	Car	Car	1982		41.7	36.2	32.4	28.8	26.0	22.2	19.8		10.0							26.9
Fiat-Chrysler	Car	Car	1983		42.7	36.0	34.6	30.2	25.2	22.6	19.3		10.0							28.4
Fiat-Chrysler	Car	Car	1984		44.8	36.2	31.4	28.9	26.4	22.3	19.7		10.0							28.5
Fiat-Chrysler	Car	Car	1985			37.5	31.4	29.8	26.3	24.0	21.4		10.0							28.1
Fiat-Chrysler	Car	Car	1986			39.3	31.7	29.8	27.1	23.0	21.4		10.0							28.5
Fiat-Chrysler	Car	Car	1987			38.8	30.2	29.3	26.5	23.1	21.5									27.7
Fiat-Chrysler	Car	Car	1988			39.7	32.7	30.3	27.8	25.0	21.4									28.5
Fiat-Chrysler	Car	Car	1989				36.5	30.7	28.5	24.7	21.2									28.0
Fiat-Chrysler	Car	Car	1990				35.3	31.6	28.7	25.4	24.0									27.3
Fiat-Chrysler	Car	Car	1991				37.0	32.0	28.6	25.2	23.8									27.4
Fiat-Chrysler	Car	Car	1992				36.8	32.6	28.8	25.4	23.6									27.7
Fiat-Chrysler	Car	Car	1993			42.5	37.0	32.3	29.0	25.7	23.6									27.9
Fiat-Chrysler	Car	Car	1994			41.8	35.8	31.9	28.3	25.0	23.5									26.2
Fiat-Chrysler	Car	Car	1995			41.8	37.4	31.9	29.0	26.1	23.8									28.1
Fiat-Chrysler	Car	Car	1996			41.7	33.9	31.1	30.1	26.1	24.0									27.2
Fiat-Chrysler	Car	Car	1997					31.2	29.8	26.1	24.0	12.8								27.1
Fiat-Chrysler	Car	Car	1998					31.8	31.6	26.6	24.5									28.3
Fiat-Chrysler	Car	Car	1999					31.1	27.9	27.2	24.5	13.4								26.9
Fiat-Chrysler	Car	Car	2000					32.5	30.6	26.5	25.0	13.5								27.6
Fiat-Chrysler	Car	Car	2001					34.6	31.9	27.1	24.4	13.5								27.6
Fiat-Chrysler	Car	Car	2002					36.1	31.5	26.4	24.5	13.6								26.9
Fiat-Chrysler	Car	Car	2003					37.1	32.9	26.8	25.0	13.5								28.4
Fiat-Chrysler	Car	Car	2004					37.1	32.5	28.0	25.3	22.2	21.8							27.4
Fiat-Chrysler	Car	Car	2005					33.3	32.1	27.9	25.4	22.7	21.8							26.5
Fiat-Chrysler	Car	Car	2006							27.9	25.6	22.3	21.7							25.4
Fiat-Chrysler	Car	Car	2007							30.3	25.1	22.2	21.6							27.1
Fiat-Chrysler	Car	Car	2008							30.6	26.2	22.0	21.6							27.8
Fiat-Chrysler	Car	Car	2009						35.3	30.8	26.3	22.6								27.5
Fiat-Chrysler	Car	Car	2010						33.6	31.6	26.1	22.9								27.8
Fiat-Chrysler	Car	Car	2011						35.7	31.6	28.1	22.7								28.3
Fiat-Chrysler	Car	Car	2012				44.8	39.9	35.7	31.3	28.8	23.2								30.0
Fiat-Chrysler	Car	Car	2013				46.2	40.3	165.0	33.3	28.8	23.8								30.8

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Car*	*Car*	*2014*				*46.6*	*40.2*	*165.0*	*32.9*	*28.7*	*24.3*	*23.1*							*29.3*
Fiat-Chrysler	*Car*	*Car*	*2015*				*46.6*	*39.9*	*82.7*	*35.8*	*29.8*	*24.3*	*23.1*							*32.2*
Fiat-Chrysler	*Car*	*Car*	*2016*				*46.6*	*39.2*	*125.8*	*35.4*	*29.8*	*24.3*	*23.7*							*30.0*
Fiat-Chrysler	Car	Car	2017				46.6	39.8	135.3	34.9	30.4	24.2	23.7							28.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Car	Car SUV	1975								14.5									14.5
Fiat-Chrysler	Car	Car SUV	1976								16.5									16.5
Fiat-Chrysler	Car	Car SUV	1977								16.4									16.4
Fiat-Chrysler	Car	Car SUV	1978								16.4									16.4
Fiat-Chrysler	Car	Car SUV	1979					20.8			16.0									20.3
Fiat-Chrysler	Car	Car SUV	1980								17.6									17.6
Fiat-Chrysler	Car	Car SUV	1981								17.3									17.3
Fiat-Chrysler	Car	Car SUV	1982				23.6													23.6
Fiat-Chrysler	Car	Car SUV	1983				23.2													23.2
Fiat-Chrysler	Car	Car SUV	1984				22.6				16.7									18.4
Fiat-Chrysler	Car	Car SUV	1985						23.4											23.4
Fiat-Chrysler	Car	Car SUV	1986						25.7	22.1										22.7
Fiat-Chrysler	Car	Car SUV	1987						26.4	20.4										21.1
Fiat-Chrysler	Car	Car SUV	1988						26.3	20.8										21.1
Fiat-Chrysler	Car	Car SUV	1989						24.9	20.7										20.9
Fiat-Chrysler	Car	Car SUV	1990						25.0	21.0										21.2
Fiat-Chrysler	Car	Car SUV	1991						23.3	20.6										20.6
Fiat-Chrysler	Car	Car SUV	1992						24.8	20.6										20.6
Fiat-Chrysler	Car	Car SUV	1993						25.2	20.1	19.0									19.3
Fiat-Chrysler	Car	Car SUV	1994						24.8	20.7	20.7									20.9
Fiat-Chrysler	Car	Car SUV	1995							20.1	18.9									19.5
Fiat-Chrysler	Car	Car SUV	1996						24.5	20.8	20.4									20.7
Fiat-Chrysler	Car	Car SUV	1997						24.3	21.0	20.2									20.4
Fiat-Chrysler	Car	Car SUV	1998							21.1	20.6									20.8
Fiat-Chrysler	Car	Car SUV	1999							21.6	21.6									21.6
Fiat-Chrysler	Car	Car SUV	2000							21.5	21.0									21.1
Fiat-Chrysler	Car	Car SUV	2001							20.9	21.1									21.1
Fiat-Chrysler	Car	Car SUV	2002								20.2									20.2
Fiat-Chrysler	Car	Car SUV	2003								22.0									22.0
Fiat-Chrysler	Car	Car SUV	2004								22.5									22.5
Fiat-Chrysler	Car	Car SUV	2005								22.1									22.1
Fiat-Chrysler	Car	Car SUV	2006								22.4									22.4
Fiat-Chrysler	Car	Car SUV	2007								23.1									23.1
Fiat-Chrysler	Car	Car SUV	2008																	
Fiat-Chrysler	Car	Car SUV	2009								27.3									27.3
Fiat-Chrysler	Car	Car SUV	2010								27.8									27.8
Fiat-Chrysler	Car	Car SUV	2011																	
Fiat-Chrysler	Car	Car SUV	2012							31.6	24.1	25.5								27.8
Fiat-Chrysler	Car	Car SUV	2013							31.8	27.8	25.6								29.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Car*	*Car SUV*	*2014*							*32.1*	*30.7*	*25.3*								*31.4*
Fiat-Chrysler	*Car*	*Car SUV*	*2015*							*32.6*	*31.9*	*25.3*								*32.3*
Fiat-Chrysler	*Car*	*Car SUV*	*2016*						*37.5*	*32.0*	*32.1*									*32.1*
Fiat-Chrysler	Car	Car SUV	2017						37.5	32.3	31.0									31.7

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Car	All	1975			26.6	23.4	22.6	20.8	19.5	16.5	12.9	13.7	12.6						15.8
Fiat-Chrysler	Car	All	1976			24.6	26.1	24.2	21.7	19.5	17.9	14.1	13.6	12.3						16.8
Fiat-Chrysler	Car	All	1977			29.6	28.4	22.1	21.6	20.4	17.3	14.6	13.3	12.1						16.7
Fiat-Chrysler	Car	All	1978			28.1	28.2	24.5	24.6	20.0	17.6	15.4	13.5	11.0						19.1
Fiat-Chrysler	Car	All	1979		37.6	32.6	28.0	24.1	22.9	20.2	17.9	16.4								21.0
Fiat-Chrysler	Car	All	1980		38.8	31.3	27.5	25.1	23.1	20.1	17.4									22.7
Fiat-Chrysler	Car	All	1981		41.7	34.0	29.6	26.7	23.4	21.1	18.5									26.1
Fiat-Chrysler	Car	All	1982		41.7	36.2	31.3	28.8	26.0	22.2	19.8		10.0							26.9
Fiat-Chrysler	Car	All	1983		42.7	36.0	33.2	30.2	25.2	22.6	19.3		10.0							28.3
Fiat-Chrysler	Car	All	1984		44.8	36.2	31.2	28.9	26.4	22.3	19.5		10.0							28.4
Fiat-Chrysler	Car	All	1985			37.5	31.4	29.8	26.2	24.0	21.4		10.0							28.1
Fiat-Chrysler	Car	All	1986			39.3	31.7	29.8	27.1	22.4	21.4		10.0							28.5
Fiat-Chrysler	Car	All	1987			38.8	30.2	29.3	26.5	22.0	21.5									27.6
Fiat-Chrysler	Car	All	1988			39.7	32.7	30.3	27.8	24.5	21.4									28.3
Fiat-Chrysler	Car	All	1989				36.5	30.7	28.5	24.5	21.2									27.9
Fiat-Chrysler	Car	All	1990				35.3	31.6	28.7	25.2	24.0									27.2
Fiat-Chrysler	Car	All	1991				37.0	32.0	28.6	25.0	23.8									27.3
Fiat-Chrysler	Car	All	1992				36.8	32.6	28.8	24.7	23.6									27.2
Fiat-Chrysler	Car	All	1993			42.5	37.0	32.3	28.9	24.8	19.2									25.1
Fiat-Chrysler	Car	All	1994			41.8	35.8	31.9	28.3	24.3	23.0									25.7
Fiat-Chrysler	Car	All	1995			41.8	37.4	31.9	29.0	25.4	22.4									27.3
Fiat-Chrysler	Car	All	1996			41.7	33.9	31.1	29.7	25.4	23.0									26.3
Fiat-Chrysler	Car	All	1997					31.2	29.8	25.8	22.8	12.8								26.3
Fiat-Chrysler	Car	All	1998					31.8	31.6	26.1	20.9									27.2
Fiat-Chrysler	Car	All	1999					31.1	27.9	26.8	23.8	13.4								26.3
Fiat-Chrysler	Car	All	2000					32.5	30.6	26.3	23.2	13.5								26.6
Fiat-Chrysler	Car	All	2001					34.6	31.9	26.7	22.9	13.5								26.8
Fiat-Chrysler	Car	All	2002					36.1	31.5	26.4	23.0	13.6								26.4
Fiat-Chrysler	Car	All	2003					37.1	32.9	26.8	22.8	13.5								27.2
Fiat-Chrysler	Car	All	2004					37.1	32.5	28.0	23.9	22.2	21.8							27.1
Fiat-Chrysler	Car	All	2005					33.3	32.1	27.9	24.7	22.7	21.8							26.3
Fiat-Chrysler	Car	All	2006							27.9	25.2	22.3	21.7							25.3
Fiat-Chrysler	Car	All	2007							30.3	24.8	22.2	21.6							26.9
Fiat-Chrysler	Car	All	2008							30.6	26.2	22.0	21.6							27.8
Fiat-Chrysler	Car	All	2009						35.3	30.8	26.5	22.6								27.5
Fiat-Chrysler	Car	All	2010						33.6	31.6	26.2	22.9								27.8
Fiat-Chrysler	Car	All	2011						35.7	31.6	28.1	22.7								28.3
Fiat-Chrysler	Car	All	2012				44.8	39.9	35.7	31.4	28.0	23.5								29.6
Fiat-Chrysler	Car	All	2013				46.2	40.3	165.0	33.2	28.7	24.0								30.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Car*	*All*	*2014*				*46.6*	*40.2*	*165.0*	*32.6*	*29.2*	*24.4*	*23.1*							*29.8*
Fiat-Chrysler	*Car*	*All*	*2015*				*46.6*	*39.9*	*82.7*	*34.9*	*30.4*	*24.3*	*23.1*							*32.2*
Fiat-Chrysler	*Car*	*All*	*2016*				*46.6*	*39.2*	*101.1*	*33.5*	*30.6*	*24.3*	*23.7*							*30.8*
Fiat-Chrysler	Car	All	2017				46.6	39.8	105.1	32.7	30.8	24.2	23.7							30.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Truck	Van	1975							18.8	14.3	11.5	11.2							12.6
Fiat-Chrysler	Truck	Van	1976							19.5	14.9	13.6	11.5							14.2
Fiat-Chrysler	Truck	Van	1977							19.6	15.5	13.3	12.3							13.8
Fiat-Chrysler	Truck	Van	1978							19.2	14.9	12.9	12.6							13.4
Fiat-Chrysler	Truck	Van	1979								15.8	13.7	11.7	10.6						13.8
Fiat-Chrysler	Truck	Van	1980							18.3	17.7	14.8	12.8	11.2						16.6
Fiat-Chrysler	Truck	Van	1981							19.9	17.8	15.6	13.3	11.1						17.4
Fiat-Chrysler	Truck	Van	1982							20.4	18.0	15.4	13.2							17.7
Fiat-Chrysler	Truck	Van	1983								18.6	15.9	13.0							18.0
Fiat-Chrysler	Truck	Van	1984					29.7	25.1	23.9	16.7	14.7	13.1	11.2						20.2
Fiat-Chrysler	Truck	Van	1985					29.8	25.8	23.2	17.2	15.1	13.3	12.0						21.0
Fiat-Chrysler	Truck	Van	1986					29.4	26.5	24.1	18.4	16.5	15.0	12.2						22.0
Fiat-Chrysler	Truck	Van	1987					29.3	27.1	24.4	21.2	16.7	15.2	12.0						22.3
Fiat-Chrysler	Truck	Van	1988						27.8	24.7	22.8	17.4	15.7	12.9						23.0
Fiat-Chrysler	Truck	Van	1989						26.5	24.3	23.2	16.4	15.5	12.2						22.6
Fiat-Chrysler	Truck	Van	1990						26.4	25.4	23.0	16.9	16.2	12.4						23.0
Fiat-Chrysler	Truck	Van	1991						26.2	25.7	23.2	17.9	16.2							22.8
Fiat-Chrysler	Truck	Van	1992						27.7	25.9	23.1	17.0	15.3	14.6						22.7
Fiat-Chrysler	Truck	Van	1993						27.9	25.3	23.2	18.2	16.2	15.2						23.6
Fiat-Chrysler	Truck	Van	1994						28.3	24.7	23.0	17.9	16.6	15.7						22.4
Fiat-Chrysler	Truck	Van	1995						27.7	25.1	23.0	17.1	16.4	15.3						23.0
Fiat-Chrysler	Truck	Van	1996						27.7	24.2	24.0	20.5	17.1	14.7						22.8
Fiat-Chrysler	Truck	Van	1997								23.7	20.6	17.5	14.9	14.4					22.7
Fiat-Chrysler	Truck	Van	1998								24.2	21.8	17.3	17.1						23.3
Fiat-Chrysler	Truck	Van	1999								23.9	21.8	17.8	17.3						23.0
Fiat-Chrysler	Truck	Van	2000								24.5	21.7	17.4	15.7						23.4
Fiat-Chrysler	Truck	Van	2001								24.8	23.7	18.9	16.4						23.4
Fiat-Chrysler	Truck	Van	2002								25.8	23.6	17.3	15.5						23.8
Fiat-Chrysler	Truck	Van	2003								26.0	23.9	18.3							24.5
Fiat-Chrysler	Truck	Van	2004								25.7	24.1	22.5							24.5
Fiat-Chrysler	Truck	Van	2005								25.7	23.3								24.3
Fiat-Chrysler	Truck	Van	2006								25.7	23.9								24.4
Fiat-Chrysler	Truck	Van	2007								25.7	23.4								23.8
Fiat-Chrysler	Truck	Van	2008									24.3	26.0							24.4
Fiat-Chrysler	Truck	Van	2009									24.3	26.0							24.6
Fiat-Chrysler	Truck	Van	2010									24.1	26.0							24.4
Fiat-Chrysler	Truck	Van	2011									25.7								25.7
Fiat-Chrysler	Truck	Van	2012									25.9								25.9
Fiat-Chrysler	Truck	Van	2013									25.6	25.4							25.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Truck*	*Van*	*2014*									*25.9*	*25.3*							*25.9*
Fiat-Chrysler	*Truck*	*Van*	*2015*							*31.5*		*25.8*								*26.1*
Fiat-Chrysler	*Truck*	*Van*	*2016*							*31.5*		*25.9*								*26.1*
Fiat-Chrysler	Truck	Van	2017							31.5		28.3	78.7							29.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Truck	Truck SUV	1975					16.8			13.2	13.1		10.6						14.6
Fiat-Chrysler	Truck	Truck SUV	1976					17.8	15.4		13.8	13.3		11.2						15.0
Fiat-Chrysler	Truck	Truck SUV	1977					18.6	16.8		14.7	14.3		11.9						15.8
Fiat-Chrysler	Truck	Truck SUV	1978					18.1	16.8		14.5	13.9		12.0						15.6
Fiat-Chrysler	Truck	Truck SUV	1979						17.2	15.6	16.9	12.9	12.1							15.1
Fiat-Chrysler	Truck	Truck SUV	1980						19.7	16.3	17.0	12.9	12.4							16.8
Fiat-Chrysler	Truck	Truck SUV	1981						20.9	17.2	17.3	14.9	13.6							18.4
Fiat-Chrysler	Truck	Truck SUV	1982						20.2		20.5	15.1	13.7							17.7
Fiat-Chrysler	Truck	Truck SUV	1983						20.5		20.3	15.0	14.1							17.7
Fiat-Chrysler	Truck	Truck SUV	1984						22.6	20.7	20.1	14.0	12.1							18.3
Fiat-Chrysler	Truck	Truck SUV	1985							22.1		14.4	14.0							15.0
Fiat-Chrysler	Truck	Truck SUV	1986						22.8	21.2	19.1	14.5	13.6							19.1
Fiat-Chrysler	Truck	Truck SUV	1987						22.4	21.8		14.7	13.1							19.9
Fiat-Chrysler	Truck	Truck SUV	1988						22.3	20.3		14.6	14.6							19.2
Fiat-Chrysler	Truck	Truck SUV	1989						22.1	20.2	19.4	14.5	13.2							19.2
Fiat-Chrysler	Truck	Truck SUV	1990						22.1	20.5	20.6	14.6	14.3							19.8
Fiat-Chrysler	Truck	Truck SUV	1991							19.8	18.4	14.4	14.9							19.4
Fiat-Chrysler	Truck	Truck SUV	1992						22.5	19.4	19.3	16.7	15.0							19.8
Fiat-Chrysler	Truck	Truck SUV	1993						22.5	19.6	19.7	16.5	15.3							20.0
Fiat-Chrysler	Truck	Truck SUV	1994						22.1	19.4	18.2									18.9
Fiat-Chrysler	Truck	Truck SUV	1995						22.4	19.4	18.3									19.3
Fiat-Chrysler	Truck	Truck SUV	1996							19.8	18.5									19.0
Fiat-Chrysler	Truck	Truck SUV	1997							21.0	19.1									19.8
Fiat-Chrysler	Truck	Truck SUV	1998							20.3	19.6	16.7	16.5							18.9
Fiat-Chrysler	Truck	Truck SUV	1999							21.5	20.2	18.5	16.4							18.8
Fiat-Chrysler	Truck	Truck SUV	2000							20.3	20.1	18.2	17.1							19.0
Fiat-Chrysler	Truck	Truck SUV	2001							20.5	20.0	18.6	16.8							18.9
Fiat-Chrysler	Truck	Truck SUV	2002							21.8	20.0	19.4	17.6							19.4
Fiat-Chrysler	Truck	Truck SUV	2003							22.1	20.8	21.0	18.9							20.5
Fiat-Chrysler	Truck	Truck SUV	2004							22.2	21.2	20.1	18.0	17.0						20.2
Fiat-Chrysler	Truck	Truck SUV	2005							20.0	20.8	21.8	18.5	17.1						19.8
Fiat-Chrysler	Truck	Truck SUV	2006							23.8	20.2	21.8	19.2	18.3						19.9
Fiat-Chrysler	Truck	Truck SUV	2007							29.1	21.8	21.4	19.4	18.6						21.6
Fiat-Chrysler	Truck	Truck SUV	2008							30.0	22.5	21.8	19.7	18.4						22.3
Fiat-Chrysler	Truck	Truck SUV	2009							28.9	22.3	22.0	19.8	19.4	26.9					22.7
Fiat-Chrysler	Truck	Truck SUV	2010							29.8	22.1	22.3	19.5	19.8						23.1
Fiat-Chrysler	Truck	Truck SUV	2011							30.8	22.6	22.5	23.9	19.9						23.8
Fiat-Chrysler	Truck	Truck SUV	2012							29.8	24.3	23.1	23.9	19.2						23.6
Fiat-Chrysler	Truck	Truck SUV	2013							30.0	25.2	23.3	23.8	19.4						23.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Truck*	*Truck SUV*	*2014*							*30.2*	*27.3*	*24.0*	*25.2*	*22.0*						*25.4*
Fiat-Chrysler	*Truck*	*Truck SUV*	*2015*							*30.8*	*27.8*	*24.2*	*25.4*	*22.0*						*25.9*
Fiat-Chrysler	*Truck*	*Truck SUV*	*2016*							*30.8*	*28.4*	*23.6*	*27.4*	*22.2*						*26.9*
Fiat-Chrysler	Truck	Truck SUV	2017							31.4	29.1	23.8	27.2	21.1						27.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Truck	Pickup	1975							18.7	13.5	12.8	12.0	10.8						13.0
Fiat-Chrysler	Truck	Pickup	1976							19.8	15.3	13.1	12.5	11.3						14.0
Fiat-Chrysler	Truck	Pickup	1977							19.9	15.7	13.8	13.3	11.9						14.5
Fiat-Chrysler	Truck	Pickup	1978							19.1	15.3	13.3	13.2	12.0						14.5
Fiat-Chrysler	Truck	Pickup	1979					23.9			16.6	12.3	11.7	11.7						15.0
Fiat-Chrysler	Truck	Pickup	1980					24.7		18.2	18.0	13.8	12.8	11.4						19.8
Fiat-Chrysler	Truck	Pickup	1981					25.1	23.6	20.2	18.3	14.9								19.9
Fiat-Chrysler	Truck	Pickup	1982				29.6	27.8	23.7	22.5	18.7	15.3	13.7							21.2
Fiat-Chrysler	Truck	Pickup	1983				33.7	29.0	26.1	24.7	19.0	15.1	13.4							23.4
Fiat-Chrysler	Truck	Pickup	1984				30.0	27.8	25.3	20.6	17.7	14.2	12.5							19.4
Fiat-Chrysler	Truck	Pickup	1985					28.3	26.3	22.3	17.2	14.9	13.4							18.6
Fiat-Chrysler	Truck	Pickup	1986					28.7	25.3	23.0	17.8	14.9	13.0							20.2
Fiat-Chrysler	Truck	Pickup	1987					29.9	27.4	22.5	18.6	15.2	13.7							21.2
Fiat-Chrysler	Truck	Pickup	1988					29.6	26.9	21.7	19.0	16.1	13.8							20.8
Fiat-Chrysler	Truck	Pickup	1989					29.6	27.4	20.7	18.2	15.5	14.0							19.9
Fiat-Chrysler	Truck	Pickup	1990						25.0	22.9	19.7	16.0	14.0							19.1
Fiat-Chrysler	Truck	Pickup	1991						24.5	23.2	19.3	16.0	14.2	12.4						18.8
Fiat-Chrysler	Truck	Pickup	1992						24.6	23.0	19.3	17.3	15.2	13.9						19.2
Fiat-Chrysler	Truck	Pickup	1993						26.4	22.0	19.5	17.3	15.8	14.2						18.9
Fiat-Chrysler	Truck	Pickup	1994							23.6	20.7	18.1	15.9	15.2						18.8
Fiat-Chrysler	Truck	Pickup	1995							26.0	20.3	17.5	15.8	15.1						17.8
Fiat-Chrysler	Truck	Pickup	1996							23.2	19.9	17.6	16.6	15.1						17.4
Fiat-Chrysler	Truck	Pickup	1997							24.6	20.3	18.0	17.1	16.0						17.7
Fiat-Chrysler	Truck	Pickup	1998							26.8	20.9	18.6	17.0	16.3	15.5					18.0
Fiat-Chrysler	Truck	Pickup	1999							26.4	20.2	18.0	17.3	16.2	16.2					17.7
Fiat-Chrysler	Truck	Pickup	2000							25.7	21.3	18.9	17.0	16.1	15.8					18.4
Fiat-Chrysler	Truck	Pickup	2001							25.6	20.4	18.9	17.1	15.5	15.8					17.3
Fiat-Chrysler	Truck	Pickup	2002							26.0	20.8	19.2	18.3	16.5	15.3					17.9
Fiat-Chrysler	Truck	Pickup	2003								21.1	19.9	18.9	17.1	16.1					18.2
Fiat-Chrysler	Truck	Pickup	2004								22.2	20.4	18.0	17.0	16.0					17.9
Fiat-Chrysler	Truck	Pickup	2005									20.8	18.4	16.9	13.0					18.2
Fiat-Chrysler	Truck	Pickup	2006									20.8	19.7	18.5	15.8					19.0
Fiat-Chrysler	Truck	Pickup	2007									21.5	18.8	18.5	18.2					18.9
Fiat-Chrysler	Truck	Pickup	2008									21.4	19.7	20.1	17.6					20.2
Fiat-Chrysler	Truck	Pickup	2009									20.6	20.0	19.9	18.4					19.5
Fiat-Chrysler	Truck	Pickup	2010									21.0	20.3	19.7						19.8
Fiat-Chrysler	Truck	Pickup	2011									21.1	20.1	19.7						19.9
Fiat-Chrysler	Truck	Pickup	2012									21.1	20.5	19.5						19.7
Fiat-Chrysler	Truck	Pickup	2013									25.7	21.6	20.0	19.8					20.4

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Truck*	*Pickup*	*2014*									*25.6*	*22.6*	*21.5*	*20.9*					*21.5*
Fiat-Chrysler	*Truck*	*Pickup*	*2015*									*25.7*	*23.6*	*21.8*	*26.2*					*22.6*
Fiat-Chrysler	*Truck*	*Pickup*	*2016*									*25.6*	*23.9*	*22.0*	*25.5*					*22.6*
Fiat-Chrysler	Truck	Pickup	2017									25.6	24.0	22.1	23.3					22.4

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	Truck	All	1975					16.8		18.8	13.9	11.9	11.9	10.7						13.2
Fiat-Chrysler	Truck	All	1976					17.8	15.4	19.7	14.9	13.4	12.2	11.3						14.3
Fiat-Chrysler	Truck	All	1977					18.6	16.8	19.8	15.4	13.6	12.4	11.9						14.5
Fiat-Chrysler	Truck	All	1978					18.1	16.8	19.1	15.0	13.2	12.9	12.0						14.4
Fiat-Chrysler	Truck	All	1979					23.9	17.2	15.6	16.3	13.0	11.8	10.6						14.7
Fiat-Chrysler	Truck	All	1980					24.7	19.7	17.1	17.8	13.6	12.7	11.2						18.2
Fiat-Chrysler	Truck	All	1981					25.1	21.8	19.8	18.0	15.1	13.4	11.1						18.8
Fiat-Chrysler	Truck	All	1982				29.6	27.8	22.0	21.6	18.5	15.2	13.6							19.4
Fiat-Chrysler	Truck	All	1983				33.7	29.0	23.2	24.7	18.8	15.2	13.6							20.6
Fiat-Chrysler	Truck	All	1984				30.0	28.4	23.6	22.6	17.2	14.2	12.3	11.2						19.4
Fiat-Chrysler	Truck	All	1985					28.6	25.9	23.1	17.2	14.8	13.7	12.0						19.4
Fiat-Chrysler	Truck	All	1986					28.7	25.8	22.9	17.9	15.5	13.9	12.2						20.7
Fiat-Chrysler	Truck	All	1987					29.8	26.7	23.1	19.5	15.8	14.0	12.0						21.3
Fiat-Chrysler	Truck	All	1988					29.6	26.5	22.3	21.8	16.2	14.5	12.9						21.4
Fiat-Chrysler	Truck	All	1989					29.6	25.4	22.0	21.9	15.7	14.0	12.2						21.0
Fiat-Chrysler	Truck	All	1990						23.0	22.9	22.3	16.2	14.7	12.4						21.4
Fiat-Chrysler	Truck	All	1991						25.5	21.4	22.4	16.8	14.9	12.4						21.1
Fiat-Chrysler	Truck	All	1992						24.2	21.4	22.3	17.2	15.2	14.6						21.4
Fiat-Chrysler	Truck	All	1993						23.4	23.0	22.1	17.6	15.8	14.7						21.9
Fiat-Chrysler	Truck	All	1994						22.7	22.1	21.1	18.0	16.0	15.3						20.5
Fiat-Chrysler	Truck	All	1995						22.6	22.9	20.3	17.3	15.8	15.1						20.1
Fiat-Chrysler	Truck	All	1996						27.7	20.4	21.8	19.5	16.6	15.1						20.2
Fiat-Chrysler	Truck	All	1997							21.2	21.7	19.6	17.1	16.0	14.4					20.2
Fiat-Chrysler	Truck	All	1998							20.9	21.9	19.9	16.8	16.3	15.5					20.0
Fiat-Chrysler	Truck	All	1999							22.0	22.0	19.3	16.9	16.3	16.2					19.8
Fiat-Chrysler	Truck	All	2000							20.4	22.5	19.6	17.1	16.1	15.8					20.3
Fiat-Chrysler	Truck	All	2001							21.0	21.1	21.3	17.1	15.5	15.8					19.4
Fiat-Chrysler	Truck	All	2002							21.9	21.8	21.1	18.0	16.5	15.3					20.0
Fiat-Chrysler	Truck	All	2003							22.1	23.0	22.1	18.9	17.1	16.1					20.8
Fiat-Chrysler	Truck	All	2004							22.2	21.5	21.6	18.0	17.0	16.0					19.7
Fiat-Chrysler	Truck	All	2005							20.0	23.5	22.6	18.4	17.0	13.0					20.9
Fiat-Chrysler	Truck	All	2006							23.8	22.0	23.0	19.4	18.4	15.8					21.0
Fiat-Chrysler	Truck	All	2007							29.1	22.8	22.4	19.2	18.6	18.2					21.5
Fiat-Chrysler	Truck	All	2008							30.0	22.5	22.9	20.8	19.8	17.6					22.4
Fiat-Chrysler	Truck	All	2009							28.9	22.3	23.0	22.0	19.8	18.5					22.4
Fiat-Chrysler	Truck	All	2010							29.8	22.1	23.2	23.1	19.7						22.9
Fiat-Chrysler	Truck	All	2011							30.8	22.6	23.8	23.4	19.8						23.2
Fiat-Chrysler	Truck	All	2012							29.8	24.3	24.4	23.0	19.5						23.1
Fiat-Chrysler	Truck	All	2013							30.0	25.2	24.3	24.2	19.9	19.8					23.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*Truck*	*All*	*2014*							*30.2*	*27.3*	*25.0*	*24.8*	*21.6*	*20.9*					*24.5*
Fiat-Chrysler	*Truck*	*All*	*2015*							*30.9*	*27.8*	*24.8*	*25.2*	*21.8*	*26.2*					*25.2*
Fiat-Chrysler	*Truck*	*All*	*2016*							*30.8*	*28.4*	*24.6*	*26.7*	*22.0*	*25.5*					*25.6*
Fiat-Chrysler	Truck	All	2017							31.4	29.1	25.8	27.7	22.0	23.3					26.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	All	All	1975			26.6	23.4	19.6	20.8	19.5	15.2	12.6	13.7	12.2						15.3
Fiat-Chrysler	All	All	1976			24.6	26.1	21.2	20.6	19.5	17.1	13.9	13.6	12.1						16.3
Fiat-Chrysler	All	All	1977			29.6	28.4	20.2	20.0	20.4	17.0	14.2	13.2	12.1						16.2
Fiat-Chrysler	All	All	1978			28.1	28.2	20.8	22.0	19.9	16.8	14.3	13.4	11.4						17.6
Fiat-Chrysler	All	All	1979		37.6	32.6	28.0	24.0	19.6	19.5	17.5	14.3	11.8	10.6						18.8
Fiat-Chrysler	All	All	1980		38.8	31.3	27.5	24.7	21.9	19.9	17.5	13.6	12.7	11.2						21.5
Fiat-Chrysler	All	All	1981		41.7	34.0	29.6	26.6	22.7	20.9	18.3	15.1	13.4	11.1						24.5
Fiat-Chrysler	All	All	1982		41.7	36.2	31.1	28.7	24.7	22.0	19.2	15.2	13.3							24.5
Fiat-Chrysler	All	All	1983		42.7	36.0	33.2	30.1	24.4	23.1	19.1	15.2	13.5							25.8
Fiat-Chrysler	All	All	1984		44.8	36.2	31.2	28.8	25.5	22.6	18.2	14.2	12.3	11.2						24.6
Fiat-Chrysler	All	All	1985			37.5	31.4	29.6	26.2	23.1	19.2	14.8	13.6	12.0						24.6
Fiat-Chrysler	All	All	1986			39.3	31.7	29.6	26.9	22.9	19.8	15.5	13.9	12.2						24.8
Fiat-Chrysler	All	All	1987			38.8	30.2	29.3	26.6	23.1	20.4	15.8	14.0	12.0						24.6
Fiat-Chrysler	All	All	1988			39.7	32.7	30.2	27.6	22.8	21.7	16.2	14.5	12.9						24.7
Fiat-Chrysler	All	All	1989				36.5	30.6	28.0	22.9	21.9	15.7	14.0	12.2						24.1
Fiat-Chrysler	All	All	1990				35.3	31.6	28.1	23.9	22.5	16.2	14.7	12.4						23.9
Fiat-Chrysler	All	All	1991				37.0	32.0	28.5	23.4	22.5	16.8	14.9	12.4						24.1
Fiat-Chrysler	All	All	1992				36.8	32.6	28.2	23.2	22.3	17.2	15.2	14.6						23.7
Fiat-Chrysler	All	All	1993			42.5	37.0	32.3	28.4	23.9	21.0	17.6	15.8	14.7						23.5
Fiat-Chrysler	All	All	1994			41.8	35.8	31.9	27.6	23.1	21.5	18.0	16.0	15.3						22.2
Fiat-Chrysler	All	All	1995			41.8	37.4	31.9	25.6	24.2	20.8	17.3	15.8	15.1						22.9
Fiat-Chrysler	All	All	1996			41.7	33.9	31.1	29.7	23.6	22.0	19.5	16.6	15.1						22.2
Fiat-Chrysler	All	All	1997					31.2	29.8	24.1	21.9	19.5	17.1	16.0	14.4					22.2
Fiat-Chrysler	All	All	1998					31.8	31.6	24.8	21.8	19.9	16.8	16.3	15.5					21.9
Fiat-Chrysler	All	All	1999					31.1	27.9	26.4	22.3	19.3	16.9	16.3	16.2					21.5
Fiat-Chrysler	All	All	2000					32.5	30.6	24.8	22.7	19.6	17.1	16.1	15.8					22.3
Fiat-Chrysler	All	All	2001					34.6	31.9	26.3	21.5	21.3	17.1	15.5	15.8					21.6
Fiat-Chrysler	All	All	2002					36.1	31.5	26.3	22.1	21.1	18.0	16.5	15.3					21.8
Fiat-Chrysler	All	All	2003					37.1	32.9	26.7	23.0	22.1	18.9	17.1	16.1					22.3
Fiat-Chrysler	All	All	2004					37.1	32.5	27.9	21.8	21.7	18.8	17.0	16.0					22.0
Fiat-Chrysler	All	All	2005					33.3	32.1	27.2	23.8	22.6	19.0	17.0	13.0					22.6
Fiat-Chrysler	All	All	2006							27.8	23.6	22.8	19.6	18.4	15.8					22.5
Fiat-Chrysler	All	All	2007							30.1	23.5	22.3	19.3	18.6	18.2					23.2
Fiat-Chrysler	All	All	2008							30.5	25.0	22.8	20.8	19.8	17.6					24.1
Fiat-Chrysler	All	All	2009						35.3	30.3	25.5	22.9	22.0	19.8	18.5					23.9
Fiat-Chrysler	All	All	2010						33.6	31.1	25.1	23.2	23.1	19.7						24.3
Fiat-Chrysler	All	All	2011						35.7	31.2	25.6	23.7	23.4	19.8						24.2
Fiat-Chrysler	All	All	2012				44.8	39.9	35.7	31.0	27.0	24.3	23.0	19.5						25.0
Fiat-Chrysler	All	All	2013				46.2	40.3	165.0	32.9	27.7	24.2	24.2	19.9	19.8					26.1

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Fiat-Chrysler	*All*	*All*	*2014*				*46.6*	*40.2*	*165.0*	*31.9*	*28.4*	*24.9*	*24.8*	*21.6*	*20.9*					*25.9*
Fiat-Chrysler	*All*	*All*	*2015*				*46.6*	*39.9*	*82.7*	*33.8*	*29.1*	*24.7*	*25.2*	*21.8*	*26.2*					*27.3*
Fiat-Chrysler	*All*	*All*	*2016*				*46.6*	*39.2*	*101.1*	*32.4*	*29.5*	*24.6*	*26.7*	*22.0*	*25.5*					*27.0*
Fiat-Chrysler	All	All	2017				46.6	39.8	105.1	31.9	29.8	25.5	27.6	22.0	23.3					27.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	Car	1975		31.4															31.4
Honda	Car	Car	1976		32.9	29.5														32.6
Honda	Car	Car	1977		36.4	33.9														35.5
Honda	Car	Car	1978		33.5	33.9														33.7
Honda	Car	Car	1979		30.9	29.9	27.9													29.0
Honda	Car	Car	1980		33.6	32.5	27.1													29.2
Honda	Car	Car	1981		36.1	33.6	28.5													30.8
Honda	Car	Car	1982		40.5	36.1	30.8													33.4
Honda	Car	Car	1983		44.7	36.6	33.6													35.3
Honda	Car	Car	1984		44.0	36.0	33.5													35.2
Honda	Car	Car	1985		44.4	36.4	32.1	30.4												33.8
Honda	Car	Car	1986		47.6	37.9	32.2	31.8		24.7										33.6
Honda	Car	Car	1987		52.0	38.1	33.1	31.8		24.3										32.8
Honda	Car	Car	1988		60.4	39.8	35.9	31.9	29.7	23.6										31.8
Honda	Car	Car	1989		60.3	39.6	34.9	32.6	29.2	23.4										31.3
Honda	Car	Car	1990			44.4	37.3	31.7	28.9	23.4										30.4
Honda	Car	Car	1991			44.7	37.3	32.9	28.8	24.7										30.3
Honda	Car	Car	1992			52.8	41.4	36.9	29.8	26.2	24.2									30.9
Honda	Car	Car	1993			52.3	41.5	36.5	30.1	27.1	24.0									32.2
Honda	Car	Car	1994			50.5	42.9	35.9	30.5	29.9	24.0									32.1
Honda	Car	Car	1995			55.6	41.4	36.6	30.6	28.9	24.0									32.8
Honda	Car	Car	1996				41.3	37.0	30.8	28.2	24.3									31.8
Honda	Car	Car	1997				41.8	36.9	30.7	28.0	24.3									32.1
Honda	Car	Car	1998				41.3	37.2	32.0	29.1	24.3									32.0
Honda	Car	Car	1999				40.9	36.2	32.1	28.6	23.5									30.9
Honda	Car	Car	2000		76.4		40.7	36.0	29.9	28.5	23.2									31.0
Honda	Car	Car	2001		75.6	66.4		39.3	29.0	28.7	26.0									32.2
Honda	Car	Car	2002		75.3	66.4		39.3	31.4	28.9	25.5									32.0
Honda	Car	Car	2003		75.1	66.4		38.9	38.6	30.1	26.5									32.7
Honda	Car	Car	2004		73.8	66.4		38.7	38.7	30.5	26.8									32.7
Honda	Car	Car	2005		74.3	66.4		38.6	38.7	31.0	26.4									32.8
Honda	Car	Car	2006		73.8	66.4		39.2	39.4	30.8	26.9									33.5
Honda	Car	Car	2007					39.8	39.2	30.9	27.2									33.9
Honda	Car	Car	2008					39.9	39.6	31.8	28.3									34.3
Honda	Car	Car	2009					40.1	39.8	32.0	28.4	23.8								34.6
Honda	Car	Car	2010					40.2	41.7	32.5	28.3	23.8								35.6
Honda	Car	Car	2011					40.9	41.2	34.7	29.9	25.7								36.5
Honda	Car	Car	2012					41.2	43.1	34.7	30.3	25.7								38.1
Honda	Car	Car	2013					41.4	42.6	39.4	32.1									40.1

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	Car	2014						43.9	39.6	35.1	40.4								40.6
Honda	Car	Car	2015					47.4	43.8	40.0	36.6									41.7
Honda	Car	Car	2016					48.7	47.1	40.1	33.6	40.9								43.0
Honda	Car	Car	2017					47.5	46.3	40.1	36.6	70.2								42.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	Car SUV	1975																	
Honda	Car	Car SUV	1976																	
Honda	Car	Car SUV	1977																	
Honda	Car	Car SUV	1978																	
Honda	Car	Car SUV	1979																	
Honda	Car	Car SUV	1980																	
Honda	Car	Car SUV	1981																	
Honda	Car	Car SUV	1982																	
Honda	Car	Car SUV	1983																	
Honda	Car	Car SUV	1984																	
Honda	Car	Car SUV	1985																	
Honda	Car	Car SUV	1986																	
Honda	Car	Car SUV	1987																	
Honda	Car	Car SUV	1988																	
Honda	Car	Car SUV	1989																	
Honda	Car	Car SUV	1990																	
Honda	Car	Car SUV	1991																	
Honda	Car	Car SUV	1992																	
Honda	Car	Car SUV	1993																	
Honda	Car	Car SUV	1994								20.4									20.4
Honda	Car	Car SUV	1995																	
Honda	Car	Car SUV	1996								19.9									19.9
Honda	Car	Car SUV	1997								19.4									19.4
Honda	Car	Car SUV	1998							27.4	21.1									25.1
Honda	Car	Car SUV	1999							27.5	21.1									25.1
Honda	Car	Car SUV	2000							27.5	21.2									25.5
Honda	Car	Car SUV	2001							27.5	21.7									26.1
Honda	Car	Car SUV	2002							29.7	21.7									28.8
Honda	Car	Car SUV	2003							29.7										29.7
Honda	Car	Car SUV	2004							29.4										29.4
Honda	Car	Car SUV	2005							29.7										29.7
Honda	Car	Car SUV	2006							29.7										29.7
Honda	Car	Car SUV	2007							29.9										29.9
Honda	Car	Car SUV	2008							29.7										29.7
Honda	Car	Car SUV	2009							29.7										29.7
Honda	Car	Car SUV	2010							31.2	27.5									31.0
Honda	Car	Car SUV	2011							31.2	27.5									30.9
Honda	Car	Car SUV	2012							34.1	28.1									32.3
Honda	Car	Car SUV	2013							34.1	30.8	28.7								33.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	Car SUV	2014							34.2	30.4	28.7								33.4
Honda	Car	Car SUV	2015							39.4	32.4	28.7								37.1
Honda	Car	Car SUV	2016						41.5	38.8	32.9									38.5
Honda	Car	Car SUV	2017							40.1	30.1									38.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	All	1975		31.4															31.4
Honda	Car	All	1976		32.9	29.5														32.6
Honda	Car	All	1977		36.4	33.9														35.5
Honda	Car	All	1978		33.5	33.9														33.7
Honda	Car	All	1979		30.9	29.9	27.9													29.0
Honda	Car	All	1980		33.6	32.5	27.1													29.2
Honda	Car	All	1981		36.1	33.6	28.5													30.8
Honda	Car	All	1982		40.5	36.1	30.8													33.4
Honda	Car	All	1983		44.7	36.6	33.6													35.3
Honda	Car	All	1984		44.0	36.0	33.5													35.2
Honda	Car	All	1985		44.4	36.4	32.1	30.4												33.8
Honda	Car	All	1986		47.6	37.9	32.2	31.8		24.7										33.6
Honda	Car	All	1987		52.0	38.1	33.1	31.8		24.3										32.8
Honda	Car	All	1988		60.4	39.8	35.9	31.9	29.7	23.6										31.8
Honda	Car	All	1989		60.3	39.6	34.9	32.6	29.2	23.4										31.3
Honda	Car	All	1990			44.4	37.3	31.7	28.9	23.4										30.4
Honda	Car	All	1991			44.7	37.3	32.9	28.8	24.7										30.3
Honda	Car	All	1992			52.8	41.4	36.9	29.8	26.2	24.2									30.9
Honda	Car	All	1993			52.3	41.5	36.5	30.1	27.1	24.0									32.2
Honda	Car	All	1994			50.5	42.9	35.9	30.5	29.9	23.2									31.9
Honda	Car	All	1995			55.6	41.4	36.6	30.6	28.9	24.0									32.8
Honda	Car	All	1996				41.3	37.0	30.8	28.2	23.1									31.6
Honda	Car	All	1997				41.8	36.9	30.7	28.0	23.2									32.0
Honda	Car	All	1998				41.3	37.2	32.0	29.0	23.4									31.7
Honda	Car	All	1999				40.9	36.2	32.1	28.5	22.3									30.6
Honda	Car	All	2000		76.4		40.7	36.0	29.9	28.5	22.4									30.8
Honda	Car	All	2001		75.6	66.4		39.3	29.0	28.6	24.9									31.9
Honda	Car	All	2002		75.3	66.4		39.3	31.4	29.0	25.3									31.8
Honda	Car	All	2003		75.1	66.4		38.9	38.6	30.0	26.5									32.6
Honda	Car	All	2004		73.8	66.4		38.7	38.7	30.4	26.8									32.6
Honda	Car	All	2005		74.3	66.4		38.6	38.7	30.9	26.4									32.7
Honda	Car	All	2006		73.8	66.4		39.2	39.4	30.7	26.9									33.3
Honda	Car	All	2007					39.8	39.2	30.7	27.2									33.5
Honda	Car	All	2008					39.9	39.6	31.3	28.3									33.8
Honda	Car	All	2009					40.1	39.8	31.5	28.4	23.8								34.2
Honda	Car	All	2010					40.2	41.7	32.3	28.3	23.8								35.1
Honda	Car	All	2011					40.9	41.2	33.6	29.7	25.7								35.4
Honda	Car	All	2012					41.2	43.1	34.6	29.8	25.7								37.4
Honda	Car	All	2013					41.4	42.6	38.1	31.7	28.7								39.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Car	All	2014						43.9	37.8	34.0	29.2								39.0
Honda	Car	All	2015					47.4	43.8	39.8	35.5	28.7								41.0
Honda	Car	All	2016					48.7	46.3	39.6	33.4	40.9								41.7
Honda	Car	All	2017					47.5	46.3	40.1	35.6	70.2								41.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Van	1975																	
Honda	Truck	Van	1976																	
Honda	Truck	Van	1977																	
Honda	Truck	Van	1978																	
Honda	Truck	Van	1979																	
Honda	Truck	Van	1980																	
Honda	Truck	Van	1981																	
Honda	Truck	Van	1982																	
Honda	Truck	Van	1983																	
Honda	Truck	Van	1984																	
Honda	Truck	Van	1985																	
Honda	Truck	Van	1986																	
Honda	Truck	Van	1987																	
Honda	Truck	Van	1988																	
Honda	Truck	Van	1989																	
Honda	Truck	Van	1990																	
Honda	Truck	Van	1991																	
Honda	Truck	Van	1992																	
Honda	Truck	Van	1993																	
Honda	Truck	Van	1994																	
Honda	Truck	Van	1995							25.5										25.5
Honda	Truck	Van	1996							28.5										28.5
Honda	Truck	Van	1997							24.9										24.9
Honda	Truck	Van	1998							27.0										27.0
Honda	Truck	Van	1999									24.1								24.1
Honda	Truck	Van	2000									23.9								23.9
Honda	Truck	Van	2001									24.0								24.0
Honda	Truck	Van	2002									24.2								24.2
Honda	Truck	Van	2003									24.2								24.2
Honda	Truck	Van	2004									24.2								24.2
Honda	Truck	Van	2005									26.0								26.0
Honda	Truck	Van	2006									26.1								26.1
Honda	Truck	Van	2007									24.7								24.7
Honda	Truck	Van	2008									25.2								25.2
Honda	Truck	Van	2009									23.9	25.9							25.2
Honda	Truck	Van	2010									23.9	25.4							24.9
Honda	Truck	Van	2011									27.8								27.8
Honda	Truck	Van	2012									27.8								27.8
Honda	Truck	Van	2013									27.7								27.7

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Van	2014									29.0								29.0
Honda	Truck	Van	2015									29.0								29.0
Honda	Truck	Van	2016									29.0								29.0
Honda	Truck	Van	2017									29.0								29.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Truck SUV	1975																	
Honda	Truck	Truck SUV	1976																	
Honda	Truck	Truck SUV	1977																	
Honda	Truck	Truck SUV	1978																	
Honda	Truck	Truck SUV	1979																	
Honda	Truck	Truck SUV	1980																	
Honda	Truck	Truck SUV	1981																	
Honda	Truck	Truck SUV	1982																	
Honda	Truck	Truck SUV	1983																	
Honda	Truck	Truck SUV	1984																	
Honda	Truck	Truck SUV	1985																	
Honda	Truck	Truck SUV	1986																	
Honda	Truck	Truck SUV	1987																	
Honda	Truck	Truck SUV	1988																	
Honda	Truck	Truck SUV	1989																	
Honda	Truck	Truck SUV	1990																	
Honda	Truck	Truck SUV	1991																	
Honda	Truck	Truck SUV	1992																	
Honda	Truck	Truck SUV	1993																	
Honda	Truck	Truck SUV	1994								20.1									20.1
Honda	Truck	Truck SUV	1995																	
Honda	Truck	Truck SUV	1996									19.0								19.0
Honda	Truck	Truck SUV	1997							26.9		19.2								25.1
Honda	Truck	Truck SUV	1998							26.8	21.1	19.4								25.5
Honda	Truck	Truck SUV	1999							27.1	21.1	19.4								25.9
Honda	Truck	Truck SUV	2000							27.1		20.5								26.2
Honda	Truck	Truck SUV	2001							27.1		22.2								25.1
Honda	Truck	Truck SUV	2002							27.9	21.4	22.4								25.8
Honda	Truck	Truck SUV	2003							27.6	26.5	22.5								24.7
Honda	Truck	Truck SUV	2004							27.5	26.4	22.3								24.4
Honda	Truck	Truck SUV	2005							28.1	26.4	21.8								24.1
Honda	Truck	Truck SUV	2006							28.1	26.4	22.4								24.5
Honda	Truck	Truck SUV	2007							26.4	27.7	22.4								25.0
Honda	Truck	Truck SUV	2008							26.4	28.0	22.3								25.3
Honda	Truck	Truck SUV	2009								28.4	23.4								25.7
Honda	Truck	Truck SUV	2010								29.2	24.0	23.0							27.0
Honda	Truck	Truck SUV	2011								29.8	24.0	23.0							26.3
Honda	Truck	Truck SUV	2012							33.3	32.1	26.2	23.6							28.1
Honda	Truck	Truck SUV	2013							33.4	31.8	26.2	24.0							29.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Truck SUV	2014							33.4	31.6	26.9	25.4							30.4
Honda	Truck	Truck SUV	2015							38.6	35.8	26.6	25.4							32.4
Honda	Truck	Truck SUV	2016							38.1	34.5	28.4								31.9
Honda	Truck	Truck SUV	2017							38.8	32.8	28.7								33.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Pickup	1975																	
Honda	Truck	Pickup	1976																	
Honda	Truck	Pickup	1977																	
Honda	Truck	Pickup	1978																	
Honda	Truck	Pickup	1979																	
Honda	Truck	Pickup	1980																	
Honda	Truck	Pickup	1981																	
Honda	Truck	Pickup	1982																	
Honda	Truck	Pickup	1983																	
Honda	Truck	Pickup	1984																	
Honda	Truck	Pickup	1985																	
Honda	Truck	Pickup	1986																	
Honda	Truck	Pickup	1987																	
Honda	Truck	Pickup	1988																	
Honda	Truck	Pickup	1989																	
Honda	Truck	Pickup	1990																	
Honda	Truck	Pickup	1991																	
Honda	Truck	Pickup	1992																	
Honda	Truck	Pickup	1993																	
Honda	Truck	Pickup	1994																	
Honda	Truck	Pickup	1995																	
Honda	Truck	Pickup	1996																	
Honda	Truck	Pickup	1997																	
Honda	Truck	Pickup	1998																	
Honda	Truck	Pickup	1999																	
Honda	Truck	Pickup	2000																	
Honda	Truck	Pickup	2001																	
Honda	Truck	Pickup	2002																	
Honda	Truck	Pickup	2003																	
Honda	Truck	Pickup	2004																	
Honda	Truck	Pickup	2005																	
Honda	Truck	Pickup	2006									21.4								21.4
Honda	Truck	Pickup	2007									21.4								21.4
Honda	Truck	Pickup	2008									21.4								21.4
Honda	Truck	Pickup	2009									22.0								22.0
Honda	Truck	Pickup	2010									22.0								22.0
Honda	Truck	Pickup	2011									22.0								22.0
Honda	Truck	Pickup	2012										22.6							22.6
Honda	Truck	Pickup	2013										22.6							22.6

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	Pickup	2014										22.6							22.6
Honda	Truck	Pickup	2015																	
Honda	Truck	Pickup	2016																	
Honda	Truck	Pickup	2017									27.5								27.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	All	1975																	
Honda	Truck	All	1976																	
Honda	Truck	All	1977																	
Honda	Truck	All	1978																	
Honda	Truck	All	1979																	
Honda	Truck	All	1980																	
Honda	Truck	All	1981																	
Honda	Truck	All	1982																	
Honda	Truck	All	1983																	
Honda	Truck	All	1984																	
Honda	Truck	All	1985																	
Honda	Truck	All	1986																	
Honda	Truck	All	1987																	
Honda	Truck	All	1988																	
Honda	Truck	All	1989																	
Honda	Truck	All	1990																	
Honda	Truck	All	1991																	
Honda	Truck	All	1992																	
Honda	Truck	All	1993																	
Honda	Truck	All	1994								20.1									20.1
Honda	Truck	All	1995							25.5										25.5
Honda	Truck	All	1996							28.5		19.0								22.7
Honda	Truck	All	1997							26.4		19.2								25.1
Honda	Truck	All	1998							26.9	21.1	19.4								25.7
Honda	Truck	All	1999							27.1	21.1	24.0								25.3
Honda	Truck	All	2000							27.1		23.6								24.9
Honda	Truck	All	2001							27.1		23.5								24.6
Honda	Truck	All	2002							27.9	21.4	23.7								25.0
Honda	Truck	All	2003							27.6	26.5	23.3								24.6
Honda	Truck	All	2004							27.5	26.4	23.0								24.3
Honda	Truck	All	2005							28.1	26.4	23.5								24.7
Honda	Truck	All	2006							28.1	26.4	23.6								24.5
Honda	Truck	All	2007							26.4	27.7	23.3								24.5
Honda	Truck	All	2008							26.4	28.0	23.3								24.9
Honda	Truck	All	2009								28.4	23.3	25.9							25.4
Honda	Truck	All	2010								29.2	23.7	24.6							26.2
Honda	Truck	All	2011								29.8	25.1	23.0							26.4
Honda	Truck	All	2012							33.3	32.1	27.1	23.5							27.8
Honda	Truck	All	2013							33.4	31.8	26.9	23.6							28.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	Truck	All	2014							33.4	31.6	28.0	23.9							29.8
Honda	Truck	All	2015							38.6	35.8	27.8	25.4							31.5
Honda	Truck	All	2016							38.1	34.5	28.6								31.2
Honda	Truck	All	2017							38.8	32.8	28.4								32.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	All	All	1975		31.4															31.4
Honda	All	All	1976		32.9	29.5														32.6
Honda	All	All	1977		36.4	33.9														35.5
Honda	All	All	1978		33.5	33.9														33.7
Honda	All	All	1979		30.9	29.9	27.9													29.0
Honda	All	All	1980		33.6	32.5	27.1													29.2
Honda	All	All	1981		36.1	33.6	28.5													30.8
Honda	All	All	1982		40.5	36.1	30.8													33.4
Honda	All	All	1983		44.7	36.6	33.6													35.3
Honda	All	All	1984		44.0	36.0	33.5													35.2
Honda	All	All	1985		44.4	36.4	32.1	30.4												33.8
Honda	All	All	1986		47.6	37.9	32.2	31.8		24.7										33.6
Honda	All	All	1987		52.0	38.1	33.1	31.8		24.3										32.8
Honda	All	All	1988		60.4	39.8	35.9	31.9	29.7	23.6										31.8
Honda	All	All	1989		60.3	39.6	34.9	32.6	29.2	23.4										31.3
Honda	All	All	1990			44.4	37.3	31.7	28.9	23.4										30.4
Honda	All	All	1991			44.7	37.3	32.9	28.8	24.7										30.3
Honda	All	All	1992			52.8	41.4	36.9	29.8	26.2	24.2									30.9
Honda	All	All	1993			52.3	41.5	36.5	30.1	27.1	24.0									32.2
Honda	All	All	1994			50.5	42.9	35.9	30.5	29.9	22.2									31.5
Honda	All	All	1995			55.6	41.4	36.6	30.6	28.4	24.0									32.4
Honda	All	All	1996				41.3	37.0	30.8	28.2	23.1	19.0								31.0
Honda	All	All	1997				41.8	36.9	30.7	27.4	23.2	19.2								31.0
Honda	All	All	1998				41.3	37.2	32.0	28.6	22.6	19.4								30.9
Honda	All	All	1999				40.9	36.2	32.1	28.3	21.8	24.0								29.6
Honda	All	All	2000		76.4		40.7	36.0	29.9	28.3	22.4	23.6								29.4
Honda	All	All	2001		75.6	66.4		39.3	29.0	28.4	24.9	23.5								29.9
Honda	All	All	2002		75.3	66.4		39.3	31.4	28.8	25.3	23.7								29.8
Honda	All	All	2003		75.1	66.4		38.9	38.6	29.5	26.5	23.3								29.1
Honda	All	All	2004		73.8	66.4		38.7	38.7	29.7	26.7	23.0								28.9
Honda	All	All	2005		74.3	66.4		38.6	38.7	30.2	26.4	23.5								29.1
Honda	All	All	2006		73.8	66.4		39.2	39.4	30.0	26.8	23.6								28.9
Honda	All	All	2007					39.8	39.2	30.7	27.6	23.3								29.3
Honda	All	All	2008					39.9	39.6	31.3	28.1	23.3								30.1
Honda	All	All	2009					40.1	39.8	31.5	28.4	23.3	25.9							31.1
Honda	All	All	2010					40.2	41.7	32.3	28.9	23.7	24.6							31.5
Honda	All	All	2011					40.9	41.2	33.6	29.8	25.1	23.0							30.4
Honda	All	All	2012					41.2	43.1	34.4	30.6	27.1	23.5							33.7
Honda	All	All	2013					41.4	42.6	37.1	31.8	27.0	23.6							34.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Honda	All	All	2014						43.9	36.7	32.6	28.0	23.9							34.7
Honda	All	All	2015					47.4	43.8	39.7	35.7	27.8	25.4							37.0
Honda	All	All	2016					48.7	46.3	39.4	34.1	28.6								36.7
Honda	All	All	2017					47.5	46.3	39.8	34.5	28.5								38.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	Car	1975			32.1	27.4	25.5	19.5											25.0
Nissan	Car	Car	1976			32.6	29.6	26.2	20.7											26.9
Nissan	Car	Car	1977			33.3	28.3	26.1	20.3											27.2
Nissan	Car	Car	1978			31.5	27.4	26.1	20.1											26.8
Nissan	Car	Car	1979			30.6	26.7	25.1	21.1											26.8
Nissan	Car	Car	1980			33.1	32.6	31.3	23.1											31.2
Nissan	Car	Car	1981			34.0	31.2	30.8	23.8	30.5										30.5
Nissan	Car	Car	1982		41.3	34.9	33.7		25.0	28.7										30.7
Nissan	Car	Car	1983		46.2	37.4	32.6		26.0	25.5										32.7
Nissan	Car	Car	1984			38.3	32.1	32.5	26.6	23.6										31.9
Nissan	Car	Car	1985			36.3	31.2	28.5	27.9	22.8										29.5
Nissan	Car	Car	1986			37.2	33.8	28.3	27.8	24.1										29.9
Nissan	Car	Car	1987			37.5	34.1	30.6	27.5	24.2										29.3
Nissan	Car	Car	1988			36.6	34.5	31.4	27.8	23.9										30.6
Nissan	Car	Car	1989			36.0	34.6	32.3	26.7	25.2										30.2
Nissan	Car	Car	1990				35.5	33.0	26.9	25.0	22.2									28.4
Nissan	Car	Car	1991				37.1	35.5	27.9	25.1	22.2	18.9								29.0
Nissan	Car	Car	1992				37.0	35.8	27.9	25.3	22.0	18.9								29.9
Nissan	Car	Car	1993				37.4	34.4	28.6	25.7	23.1	19.4								29.1
Nissan	Car	Car	1994				37.5	34.7	28.7	25.1	23.0	19.8								29.8
Nissan	Car	Car	1995				39.6	36.1	28.4	27.2	23.1	20.2								29.2
Nissan	Car	Car	1996				38.9	36.4	28.5	27.4	23.0									30.2
Nissan	Car	Car	1997				39.0	36.0	28.3	27.3	23.5									29.6
Nissan	Car	Car	1998				38.4	35.9	30.7	28.6	23.1									30.2
Nissan	Car	Car	1999					35.8	30.8	28.5	23.0									29.6
Nissan	Car	Car	2000					34.1	30.8	27.1	23.1									28.0
Nissan	Car	Car	2001					34.3	30.7	26.7	22.9									28.3
Nissan	Car	Car	2002					35.5	33.6	27.7	23.3									28.9
Nissan	Car	Car	2003					36.5	34.3	27.1	23.0									27.9
Nissan	Car	Car	2004					36.1	35.1	26.6	26.0									28.2
Nissan	Car	Car	2005					36.1	34.9	29.6	25.6									29.4
Nissan	Car	Car	2006					36.0	35.3	29.5	25.0	23.1								29.1
Nissan	Car	Car	2007						36.9	33.3	25.8									31.6
Nissan	Car	Car	2008						36.9	33.3	25.8	20.7								32.2
Nissan	Car	Car	2009					38.1	37.2	34.0	27.5	25.0								33.3
Nissan	Car	Car	2010					38.0	37.8	34.8	27.6	25.3								33.6
Nissan	Car	Car	2011					37.9	37.9	36.0	28.0	25.7								34.3
Nissan	Car	Car	2012				40.5	45.1	38.4	35.7	28.0	26.6								35.4
Nissan	Car	Car	2013				41.4	48.5	44.6	42.1	27.8	26.1								40.0

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	Car	2014				41.4	48.0	44.7	41.7	28.7	31.8								40.3
Nissan	Car	Car	2015					46.5	44.4	43.4	30.1	29.3								41.5
Nissan	Car	Car	2016					46.5	43.9	42.7	31.1	27.8								40.6
Nissan	Car	Car	2017					46.5	43.8	43.1	31.1	28.3								40.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	Car SUV	1975																	
Nissan	Car	Car SUV	1976																	
Nissan	Car	Car SUV	1977																	
Nissan	Car	Car SUV	1978																	
Nissan	Car	Car SUV	1979																	
Nissan	Car	Car SUV	1980																	
Nissan	Car	Car SUV	1981																	
Nissan	Car	Car SUV	1982																	
Nissan	Car	Car SUV	1983																	
Nissan	Car	Car SUV	1984																	
Nissan	Car	Car SUV	1985																	
Nissan	Car	Car SUV	1986																	
Nissan	Car	Car SUV	1987																	
Nissan	Car	Car SUV	1988																	
Nissan	Car	Car SUV	1989																	
Nissan	Car	Car SUV	1990																	
Nissan	Car	Car SUV	1991																	
Nissan	Car	Car SUV	1992																	
Nissan	Car	Car SUV	1993																	
Nissan	Car	Car SUV	1994																	
Nissan	Car	Car SUV	1995																	
Nissan	Car	Car SUV	1996																	
Nissan	Car	Car SUV	1997																	
Nissan	Car	Car SUV	1998																	
Nissan	Car	Car SUV	1999																	
Nissan	Car	Car SUV	2000								20.1									20.1
Nissan	Car	Car SUV	2001								20.4									20.4
Nissan	Car	Car SUV	2002								20.7									20.7
Nissan	Car	Car SUV	2003								23.0									23.0
Nissan	Car	Car SUV	2004								23.3	22.6								23.2
Nissan	Car	Car SUV	2005								25.9	21.7								23.5
Nissan	Car	Car SUV	2006								25.9	21.5								23.3
Nissan	Car	Car SUV	2007								25.8	21.9								23.8
Nissan	Car	Car SUV	2008							32.3	24.9	22.1								26.6
Nissan	Car	Car SUV	2009							32.3	26.3	23.0								27.6
Nissan	Car	Car SUV	2010							32.0	26.2	23.3								28.0
Nissan	Car	Car SUV	2011							32.6	26.6	23.7								29.8
Nissan	Car	Car SUV	2012							33.1	26.6	23.8								30.2
Nissan	Car	Car SUV	2013							33.0	26.6	24.4								31.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	Car SUV	2014							35.7	26.6	24.0								32.5
Nissan	Car	Car SUV	2015							36.4		24.3								35.8
Nissan	Car	Car SUV	2016							38.0		25.3								37.7
Nissan	Car	Car SUV	2017							38.9	47.9	25.3								38.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	All	1975			32.1	27.4	25.5	19.5											25.0
Nissan	Car	All	1976			32.6	29.6	26.2	20.7											26.9
Nissan	Car	All	1977			33.3	28.3	26.1	20.3											27.2
Nissan	Car	All	1978			31.5	27.4	26.1	20.1											26.8
Nissan	Car	All	1979			30.6	26.7	25.1	21.1											26.8
Nissan	Car	All	1980			33.1	32.6	31.3	23.1											31.2
Nissan	Car	All	1981			34.0	31.2	30.8	23.8	30.5										30.5
Nissan	Car	All	1982		41.3	34.9	33.7		25.0	28.7										30.7
Nissan	Car	All	1983		46.2	37.4	32.6		26.0	25.5										32.7
Nissan	Car	All	1984			38.3	32.1	32.5	26.6	23.6										31.9
Nissan	Car	All	1985			36.3	31.2	28.5	27.9	22.8										29.5
Nissan	Car	All	1986			37.2	33.8	28.3	27.8	24.1										29.9
Nissan	Car	All	1987			37.5	34.1	30.6	27.5	24.2										29.3
Nissan	Car	All	1988			36.6	34.5	31.4	27.8	23.9										30.6
Nissan	Car	All	1989			36.0	34.6	32.3	26.7	25.2										30.2
Nissan	Car	All	1990				35.5	33.0	26.9	25.0	22.2									28.4
Nissan	Car	All	1991				37.1	35.5	27.9	25.1	22.2	18.9								29.0
Nissan	Car	All	1992				37.0	35.8	27.9	25.3	22.0	18.9								29.9
Nissan	Car	All	1993				37.4	34.4	28.6	25.7	23.1	19.4								29.1
Nissan	Car	All	1994				37.5	34.7	28.7	25.1	23.0	19.8								29.8
Nissan	Car	All	1995				39.6	36.1	28.4	27.2	23.1	20.2								29.2
Nissan	Car	All	1996				38.9	36.4	28.5	27.4	23.0									30.2
Nissan	Car	All	1997				39.0	36.0	28.3	27.3	23.5									29.6
Nissan	Car	All	1998				38.4	35.9	30.7	28.6	23.1									30.2
Nissan	Car	All	1999					35.8	30.8	28.5	23.0									29.6
Nissan	Car	All	2000					34.1	30.8	27.1	20.3									26.9
Nissan	Car	All	2001					34.3	30.7	26.7	20.5									27.1
Nissan	Car	All	2002					35.5	33.6	27.7	21.0									27.8
Nissan	Car	All	2003					36.5	34.3	27.1	23.0									27.2
Nissan	Car	All	2004					36.1	35.1	26.6	25.0	22.6								27.3
Nissan	Car	All	2005					36.1	34.9	29.6	25.6	21.7								28.7
Nissan	Car	All	2006					36.0	35.3	29.5	25.1	21.5								28.4
Nissan	Car	All	2007						36.9	33.3	25.8	21.9								30.7
Nissan	Car	All	2008						36.9	33.2	25.8	22.1								31.7
Nissan	Car	All	2009					38.1	37.2	33.8	27.2	23.9								32.5
Nissan	Car	All	2010					38.0	37.8	34.4	27.4	23.9								32.9
Nissan	Car	All	2011					37.9	37.9	35.3	27.8	24.9								33.6
Nissan	Car	All	2012				40.5	45.1	38.4	35.3	27.8	25.2								34.8
Nissan	Car	All	2013				41.4	48.5	44.6	40.4	27.7	25.2								38.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Car	All	2014				41.4	48.0	44.7	40.4	28.4	27.9								39.3
Nissan	Car	All	2015					46.5	44.4	41.7	30.1	25.7								40.7
Nissan	Car	All	2016					46.5	43.9	41.1	31.1	27.1								40.1
Nissan	Car	All	2017					46.5	43.8	42.3	31.3	27.8								40.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Van	1975																	
Nissan	Truck	Van	1976																	
Nissan	Truck	Van	1977																	
Nissan	Truck	Van	1978																	
Nissan	Truck	Van	1979																	
Nissan	Truck	Van	1980																	
Nissan	Truck	Van	1981																	
Nissan	Truck	Van	1982																	
Nissan	Truck	Van	1983																	
Nissan	Truck	Van	1984																	
Nissan	Truck	Van	1985																	
Nissan	Truck	Van	1986																	
Nissan	Truck	Van	1987							22.4										22.4
Nissan	Truck	Van	1988							22.5	21.8									22.3
Nissan	Truck	Van	1989							22.5	21.8									22.2
Nissan	Truck	Van	1990						27.5	25.3	21.3									25.4
Nissan	Truck	Van	1991						27.6	25.6										26.0
Nissan	Truck	Van	1992							25.6										25.6
Nissan	Truck	Van	1993								21.8									21.8
Nissan	Truck	Van	1994								22.7									22.7
Nissan	Truck	Van	1995								23.0									23.0
Nissan	Truck	Van	1996								22.9									22.9
Nissan	Truck	Van	1997								22.6									22.6
Nissan	Truck	Van	1998								22.7									22.7
Nissan	Truck	Van	1999								23.1									23.1
Nissan	Truck	Van	2000								22.8									22.8
Nissan	Truck	Van	2001								22.6									22.6
Nissan	Truck	Van	2002								22.6									22.6
Nissan	Truck	Van	2003																	
Nissan	Truck	Van	2004									24.6								24.6
Nissan	Truck	Van	2005									24.7								24.7
Nissan	Truck	Van	2006									24.9								24.9
Nissan	Truck	Van	2007									24.5								24.5
Nissan	Truck	Van	2008									24.5								24.5
Nissan	Truck	Van	2009									24.5								24.5
Nissan	Truck	Van	2010																	
Nissan	Truck	Van	2011									27.1								27.1
Nissan	Truck	Van	2012									27.4								27.4
Nissan	Truck	Van	2013							33.6		27.8								29.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Van	2014							33.6		27.9								30.8
Nissan	Truck	Van	2015							34.9		29.6								33.4
Nissan	Truck	Van	2016							34.9		29.7								32.4
Nissan	Truck	Van	2017							34.9		29.6								33.6

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Truck SUV	1975																	
Nissan	Truck	Truck SUV	1976																	
Nissan	Truck	Truck SUV	1977																	
Nissan	Truck	Truck SUV	1978																	
Nissan	Truck	Truck SUV	1979																	
Nissan	Truck	Truck SUV	1980																	
Nissan	Truck	Truck SUV	1981																	
Nissan	Truck	Truck SUV	1982																	
Nissan	Truck	Truck SUV	1983																	
Nissan	Truck	Truck SUV	1984																	
Nissan	Truck	Truck SUV	1985																	
Nissan	Truck	Truck SUV	1986																	
Nissan	Truck	Truck SUV	1987								18.7									18.7
Nissan	Truck	Truck SUV	1988								18.5									18.5
Nissan	Truck	Truck SUV	1989								19.0									19.0
Nissan	Truck	Truck SUV	1990								19.5									19.5
Nissan	Truck	Truck SUV	1991								19.5									19.5
Nissan	Truck	Truck SUV	1992								19.6									19.6
Nissan	Truck	Truck SUV	1993								20.3	18.9								19.4
Nissan	Truck	Truck SUV	1994								19.0	18.4								18.6
Nissan	Truck	Truck SUV	1995								19.4	18.6								19.1
Nissan	Truck	Truck SUV	1996								19.8									19.8
Nissan	Truck	Truck SUV	1997								20.4	19.4								19.6
Nissan	Truck	Truck SUV	1998								20.3	19.3								19.5
Nissan	Truck	Truck SUV	1999								20.2	19.3								19.5
Nissan	Truck	Truck SUV	2000								20.0	19.2								19.3
Nissan	Truck	Truck SUV	2001								20.2	19.5								19.7
Nissan	Truck	Truck SUV	2002								20.2	19.4								19.5
Nissan	Truck	Truck SUV	2003								24.1	20.2								21.3
Nissan	Truck	Truck SUV	2004								24.4	20.6	18.4	18.0	17.4					19.6
Nissan	Truck	Truck SUV	2005								25.6	21.1	20.6	18.1	17.4					20.7
Nissan	Truck	Truck SUV	2006								25.5	22.4	20.6	18.0	17.4					20.9
Nissan	Truck	Truck SUV	2007								25.5	23.0	21.3		17.8					21.9
Nissan	Truck	Truck SUV	2008							30.8	28.8	21.7	21.0		18.1	17.4				22.3
Nissan	Truck	Truck SUV	2009							30.7	27.9	24.6	21.4		18.3					25.4
Nissan	Truck	Truck SUV	2010							30.5	29.4	24.0	21.5		18.3					24.0
Nissan	Truck	Truck SUV	2011							31.4	30.8	23.9	21.6		19.2					24.9
Nissan	Truck	Truck SUV	2012							31.6	30.4	24.0	21.6		19.3					24.7
Nissan	Truck	Truck SUV	2013							31.5	30.7	27.1	20.9		19.2					27.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Truck SUV	2014							31.8	35.2	27.5	36.2		19.5					28.2
Nissan	Truck	Truck SUV	2015							30.9	36.6	29.2	29.0		19.6	19.4				30.3
Nissan	Truck	Truck SUV	2016								36.8	29.7	28.9		20.8	20.0				33.2
Nissan	Truck	Truck SUV	2017								37.1	29.0	28.3		20.8	19.7				31.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Pickup	1975					23.6												23.6
Nissan	Truck	Pickup	1976					24.5												24.5
Nissan	Truck	Pickup	1977					25.0												25.0
Nissan	Truck	Pickup	1978					25.9		20.6										25.6
Nissan	Truck	Pickup	1979					23.7		15.5										23.2
Nissan	Truck	Pickup	1980					26.6	23.1	16.3										25.1
Nissan	Truck	Pickup	1981					29.0	27.2	22.1	17.7									27.7
Nissan	Truck	Pickup	1982					28.3	27.9	23.9	17.4									27.8
Nissan	Truck	Pickup	1983					30.2	27.9	24.0	17.5									27.4
Nissan	Truck	Pickup	1984					29.2	28.4	23.0	17.6									26.2
Nissan	Truck	Pickup	1985						26.9	22.9	17.5									25.7
Nissan	Truck	Pickup	1986						26.3	22.8	20.8									24.7
Nissan	Truck	Pickup	1987						26.9	22.1	19.1									25.1
Nissan	Truck	Pickup	1988						26.7	23.0	19.8									24.7
Nissan	Truck	Pickup	1989						27.0	22.5	19.8									24.8
Nissan	Truck	Pickup	1990						28.8	24.3	21.2									27.1
Nissan	Truck	Pickup	1991						28.6	24.9	21.6									26.9
Nissan	Truck	Pickup	1992						28.7	25.0	21.3									26.7
Nissan	Truck	Pickup	1993						28.6	25.2	21.1									26.4
Nissan	Truck	Pickup	1994						28.3	25.6	21.2									25.6
Nissan	Truck	Pickup	1995						27.5	25.5	20.4	19.0								24.9
Nissan	Truck	Pickup	1996						27.4	24.8	21.2									25.2
Nissan	Truck	Pickup	1997						26.6	25.1	21.2									24.9
Nissan	Truck	Pickup	1998						28.8	26.6	22.4									25.5
Nissan	Truck	Pickup	1999							25.9	20.4	19.6								23.3
Nissan	Truck	Pickup	2000							26.1	19.7	19.4								21.8
Nissan	Truck	Pickup	2001							26.3	20.2	19.6								22.2
Nissan	Truck	Pickup	2002							26.1	20.3	19.6								22.0
Nissan	Truck	Pickup	2003							26.2	21.2	20.2								22.4
Nissan	Truck	Pickup	2004							26.5	21.5	20.6								23.2
Nissan	Truck	Pickup	2005								25.6	20.7	18.5	17.9						19.4
Nissan	Truck	Pickup	2006								25.4	20.7	18.5	17.9						19.8
Nissan	Truck	Pickup	2007								25.2	21.1	18.5	17.7						20.1
Nissan	Truck	Pickup	2008								25.3	21.2	18.9	18.3	17.4					19.4
Nissan	Truck	Pickup	2009								25.4	21.5	20.6	18.5	17.7					20.3
Nissan	Truck	Pickup	2010								24.8	21.3	21.0	18.8	17.8					20.4
Nissan	Truck	Pickup	2011								25.1	21.4	20.5	18.6	17.8					20.4
Nissan	Truck	Pickup	2012								25.5	21.4	20.2	18.8	17.8					20.6
Nissan	Truck	Pickup	2013								25.4	23.1	21.2	18.9	17.7					22.3

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	Pickup	2014								25.2	23.1	21.2	18.9	17.6					22.2
Nissan	Truck	Pickup	2015								25.2	23.2	21.7	19.0	17.7					22.5
Nissan	Truck	Pickup	2016								25.2	23.2	21.9							23.4
Nissan	Truck	Pickup	2017								25.4	23.2	21.4	23.0	22.6					23.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	All	1975					23.6												23.6
Nissan	Truck	All	1976					24.5												24.5
Nissan	Truck	All	1977					25.0												25.0
Nissan	Truck	All	1978					25.9		20.6										25.6
Nissan	Truck	All	1979					23.7		15.5										23.2
Nissan	Truck	All	1980					26.6	23.1	16.3										25.1
Nissan	Truck	All	1981					29.0	27.2	22.1	17.7									27.7
Nissan	Truck	All	1982					28.3	27.9	23.9	17.4									27.8
Nissan	Truck	All	1983					30.2	27.9	24.0	17.5									27.4
Nissan	Truck	All	1984					29.2	28.4	23.0	17.6									26.2
Nissan	Truck	All	1985						26.9	22.9	17.5									25.7
Nissan	Truck	All	1986						26.3	22.8	20.8									24.7
Nissan	Truck	All	1987						26.9	22.2	18.8									23.5
Nissan	Truck	All	1988						26.7	22.8	19.0									22.7
Nissan	Truck	All	1989						27.0	22.5	19.3									23.7
Nissan	Truck	All	1990						28.8	24.7	20.0									25.3
Nissan	Truck	All	1991						28.6	24.9	20.0									24.8
Nissan	Truck	All	1992						28.7	25.0	19.9									24.0
Nissan	Truck	All	1993						28.6	25.2	21.1	18.9								23.7
Nissan	Truck	All	1994						28.3	25.6	21.5	18.4								22.9
Nissan	Truck	All	1995						27.5	25.5	20.9	18.6								22.4
Nissan	Truck	All	1996						27.4	24.8	21.2									22.9
Nissan	Truck	All	1997						26.6	25.1	21.7	19.4								22.3
Nissan	Truck	All	1998						28.8	26.6	22.0	19.3								22.3
Nissan	Truck	All	1999							25.9	21.6	19.3								21.2
Nissan	Truck	All	2000							26.1	20.9	19.3								20.9
Nissan	Truck	All	2001							26.3	20.8	19.5								20.7
Nissan	Truck	All	2002							26.1	20.9	19.4								20.7
Nissan	Truck	All	2003							26.2	22.8	20.2								21.6
Nissan	Truck	All	2004							26.5	23.2	22.1	18.4	18.0	17.4					20.9
Nissan	Truck	All	2005								25.6	21.7	19.9	18.0	17.4					20.5
Nissan	Truck	All	2006								25.4	22.1	19.8	17.9	17.4					20.6
Nissan	Truck	All	2007								25.4	22.7	20.4	17.7	17.8					21.5
Nissan	Truck	All	2008							30.8	28.4	22.0	21.0	18.3	17.8	17.4				21.4
Nissan	Truck	All	2009							30.7	27.7	23.9	21.4	18.5	18.1					24.2
Nissan	Truck	All	2010							30.5	28.4	23.0	21.3	18.8	18.2					22.8
Nissan	Truck	All	2011							31.4	30.3	23.4	21.3	18.6	18.9					23.8
Nissan	Truck	All	2012							31.6	29.9	23.3	21.3	18.8	18.9					23.5
Nissan	Truck	All	2013							31.7	29.6	26.3	21.2	18.9	18.9					26.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	Truck	All	2014							32.3	32.9	26.6	25.7	18.9	19.1					26.9
Nissan	Truck	All	2015							32.9	35.0	27.7	25.7	19.0	19.3	19.4				29.0
Nissan	Truck	All	2016							34.9	35.4	26.1	24.1		20.8	20.0				30.1
Nissan	Truck	All	2017							34.9	35.9	27.4	24.9	23.0	22.3	19.7				28.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	All	All	1975			32.1	27.4	24.1	19.5											24.7
Nissan	All	All	1976			32.6	29.6	25.2	20.7											26.3
Nissan	All	All	1977			33.3	28.3	25.5	20.3											26.7
Nissan	All	All	1978			31.5	27.4	26.0	20.1	20.6										26.5
Nissan	All	All	1979			30.6	26.7	24.1	21.1	15.5										26.2
Nissan	All	All	1980			33.1	32.6	28.9	23.1	16.3										29.8
Nissan	All	All	1981			34.0	31.2	30.1	24.7	25.2	17.7									30.0
Nissan	All	All	1982		41.3	34.9	33.7	28.3	25.6	27.1	17.4									30.0
Nissan	All	All	1983		46.2	37.4	32.6	30.2	26.5	24.7	17.5									31.7
Nissan	All	All	1984			38.3	32.1	32.1	27.4	23.3	17.6									30.5
Nissan	All	All	1985			36.3	31.2	28.5	27.1	22.8	17.5									28.4
Nissan	All	All	1986			37.2	33.8	28.3	26.7	23.7	20.8									27.5
Nissan	All	All	1987			37.5	34.1	30.6	27.2	23.9	18.8									27.8
Nissan	All	All	1988			36.6	34.5	31.4	27.2	23.7	19.0									28.1
Nissan	All	All	1989			36.0	34.6	32.3	26.8	24.7	19.3									28.4
Nissan	All	All	1990				35.5	33.0	27.7	24.9	20.6									27.5
Nissan	All	All	1991				37.1	35.5	28.2	25.1	20.6	18.9								27.6
Nissan	All	All	1992				37.0	35.8	28.2	25.3	20.4	18.9								28.2
Nissan	All	All	1993				37.4	34.4	28.6	25.6	21.7	18.9								27.1
Nissan	All	All	1994				37.5	34.7	28.5	25.2	21.9	18.5								27.3
Nissan	All	All	1995				39.6	36.1	28.1	26.9	21.2	18.6								26.1
Nissan	All	All	1996				38.9	36.4	28.2	27.0	21.3									27.7
Nissan	All	All	1997				39.0	36.0	27.9	26.8	22.0	19.4								26.6
Nissan	All	All	1998				38.4	35.9	30.4	28.2	22.1	19.3								27.1
Nissan	All	All	1999					35.8	30.8	28.3	21.7	19.3								26.5
Nissan	All	All	2000					34.1	30.8	26.9	20.7	19.3								24.3
Nissan	All	All	2001					34.3	30.7	26.6	20.7	19.5								24.1
Nissan	All	All	2002					35.5	33.6	27.5	20.9	19.4								25.0
Nissan	All	All	2003					36.5	34.3	27.0	22.9	20.2								25.4
Nissan	All	All	2004					36.1	35.1	26.6	24.5	22.1	18.4	18.0	17.4					24.1
Nissan	All	All	2005					36.1	34.9	29.6	25.6	21.7	19.9	18.0	17.4					25.1
Nissan	All	All	2006					36.0	35.3	29.5	25.1	22.0	19.8	17.9	17.4					25.0
Nissan	All	All	2007						36.9	33.3	25.7	22.6	20.4	17.7	17.8					26.8
Nissan	All	All	2008						36.9	33.1	26.4	22.0	21.0	18.3	17.8	17.4				27.6
Nissan	All	All	2009					38.1	37.2	33.6	27.3	23.9	21.4	18.5	18.1					29.9
Nissan	All	All	2010					38.0	37.8	33.9	27.6	23.2	21.3	18.8	18.2					29.4
Nissan	All	All	2011					37.9	37.9	34.8	28.5	23.6	21.3	18.6	18.9					29.8
Nissan	All	All	2012				40.5	45.1	38.4	35.0	28.4	23.5	21.3	18.8	18.9					30.8
Nissan	All	All	2013				41.4	48.5	44.6	39.4	28.3	26.3	21.2	18.9	18.9					34.1

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Nissan	All	All	2014				41.4	48.0	44.7	39.6	29.7	26.6	25.7	18.9	19.1					34.6
Nissan	All	All	2015					46.5	44.4	40.6	32.4	27.6	25.7	19.0	19.3	19.4				36.5
Nissan	All	All	2016					46.5	43.9	41.0	33.5	26.2	24.1		20.8	20.0				36.5
Nissan	All	All	2017					46.5	43.8	42.1	33.2	27.4	24.9	23.0	22.3	19.7				36.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	Car	1975																	
Kia	Car	Car	1976																	
Kia	Car	Car	1977																	
Kia	Car	Car	1978																	
Kia	Car	Car	1979																	
Kia	Car	Car	1980																	
Kia	Car	Car	1981																	
Kia	Car	Car	1982																	
Kia	Car	Car	1983																	
Kia	Car	Car	1984																	
Kia	Car	Car	1985																	
Kia	Car	Car	1986																	
Kia	Car	Car	1987																	
Kia	Car	Car	1988																	
Kia	Car	Car	1989																	
Kia	Car	Car	1990																	
Kia	Car	Car	1991																	
Kia	Car	Car	1992																	
Kia	Car	Car	1993					31.7												31.7
Kia	Car	Car	1994					32.9												32.9
Kia	Car	Car	1995					31.0												31.0
Kia	Car	Car	1996					28.9												28.9
Kia	Car	Car	1997					30.8												30.8
Kia	Car	Car	1998					30.7												30.7
Kia	Car	Car	1999					30.7												30.7
Kia	Car	Car	2000					29.8												29.8
Kia	Car	Car	2001				32.9	30.1		25.9										30.3
Kia	Car	Car	2002					32.4	29.2	25.0										29.4
Kia	Car	Car	2003					33.2	29.2	27.8										30.1
Kia	Car	Car	2004					31.8	31.4	28.1	22.6									28.9
Kia	Car	Car	2005					31.4	32.3	28.4	23.1									29.2
Kia	Car	Car	2006					38.3	33.1	30.1	23.1									32.4
Kia	Car	Car	2007					38.2	34.9	31.0	26.2									33.0
Kia	Car	Car	2008					38.2	35.2	31.5	26.8									33.3
Kia	Car	Car	2009					39.5	35.2	31.8	26.2									34.8
Kia	Car	Car	2010					40.5	36.2	33.0	27.3									36.1
Kia	Car	Car	2011					40.4	36.2	36.4										36.6
Kia	Car	Car	2012					42.0	35.9	36.7	48.7									36.7
Kia	Car	Car	2013					42.1	35.5	36.5	50.4									36.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	Car	2014					40.9	35.9	35.1	31.0									35.5
Kia	Car	Car	2015					40.9	36.5	35.0	31.7	22.7								35.6
Kia	Car	Car	2016					40.9	36.8	39.4	33.4	25.9	22.6							37.6
Kia	Car	Car	2017					41.1	39.8	43.0	34.9	25.9	22.6							40.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	Car SUV	1975																	
Kia	Car	Car SUV	1976																	
Kia	Car	Car SUV	1977																	
Kia	Car	Car SUV	1978																	
Kia	Car	Car SUV	1979																	
Kia	Car	Car SUV	1980																	
Kia	Car	Car SUV	1981																	
Kia	Car	Car SUV	1982																	
Kia	Car	Car SUV	1983																	
Kia	Car	Car SUV	1984																	
Kia	Car	Car SUV	1985																	
Kia	Car	Car SUV	1986																	
Kia	Car	Car SUV	1987																	
Kia	Car	Car SUV	1988																	
Kia	Car	Car SUV	1989																	
Kia	Car	Car SUV	1990																	
Kia	Car	Car SUV	1991																	
Kia	Car	Car SUV	1992																	
Kia	Car	Car SUV	1993																	
Kia	Car	Car SUV	1994																	
Kia	Car	Car SUV	1995							25.6										25.6
Kia	Car	Car SUV	1996							24.9										24.9
Kia	Car	Car SUV	1997							23.3										23.3
Kia	Car	Car SUV	1998							24.4										24.4
Kia	Car	Car SUV	1999							24.4										24.4
Kia	Car	Car SUV	2000							23.3										23.3
Kia	Car	Car SUV	2001							22.9										22.9
Kia	Car	Car SUV	2002							23.1										23.1
Kia	Car	Car SUV	2003																	
Kia	Car	Car SUV	2004																	
Kia	Car	Car SUV	2005							28.3	25.4									26.2
Kia	Car	Car SUV	2006							28.3	25.4									26.4
Kia	Car	Car SUV	2007							28.2	25.4	22.2								25.2
Kia	Car	Car SUV	2008							28.1	25.4	23.1								25.1
Kia	Car	Car SUV	2009							28.9	26.6	23.5								26.1
Kia	Car	Car SUV	2010							28.9	26.6	23.8								28.7
Kia	Car	Car SUV	2011							32.7	30.8	26.7								31.0
Kia	Car	Car SUV	2012							32.2	30.8	26.7								30.4
Kia	Car	Car SUV	2013							32.2	30.8	26.7								30.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	Car SUV	2014							30.8	28.9	25.8								28.6
Kia	Car	Car SUV	2015							30.9	28.8	25.9								28.7
Kia	Car	Car SUV	2016							30.9	30.5	27.4								30.5
Kia	Car	Car SUV	2017							33.8	30.7									31.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	All	1975																	
Kia	Car	All	1976																	
Kia	Car	All	1977																	
Kia	Car	All	1978																	
Kia	Car	All	1979																	
Kia	Car	All	1980																	
Kia	Car	All	1981																	
Kia	Car	All	1982																	
Kia	Car	All	1983																	
Kia	Car	All	1984																	
Kia	Car	All	1985																	
Kia	Car	All	1986																	
Kia	Car	All	1987																	
Kia	Car	All	1988																	
Kia	Car	All	1989																	
Kia	Car	All	1990																	
Kia	Car	All	1991																	
Kia	Car	All	1992																	
Kia	Car	All	1993					31.7												31.7
Kia	Car	All	1994					32.9												32.9
Kia	Car	All	1995					31.0		25.6										30.9
Kia	Car	All	1996					28.9		24.9										28.6
Kia	Car	All	1997					30.8		23.3										29.1
Kia	Car	All	1998					30.7		24.4										29.5
Kia	Car	All	1999					30.7		24.4										29.3
Kia	Car	All	2000					29.8		23.3										27.9
Kia	Car	All	2001				32.9	30.1		24.2										28.9
Kia	Car	All	2002					32.4	29.2	24.1										28.4
Kia	Car	All	2003					33.2	29.2	27.8										30.1
Kia	Car	All	2004					31.8	31.4	28.1	22.6									28.9
Kia	Car	All	2005					31.4	32.3	28.4	23.7									28.9
Kia	Car	All	2006					38.3	33.1	29.8	24.6									31.4
Kia	Car	All	2007					38.2	34.9	30.1	25.9	22.2								30.7
Kia	Car	All	2008					38.2	35.2	30.5	26.5	23.1								30.9
Kia	Car	All	2009					39.5	35.2	31.0	26.5	23.5								32.6
Kia	Car	All	2010					40.5	36.2	32.2	26.6	23.8								35.8
Kia	Car	All	2011					40.4	36.2	35.2	30.8	26.7								34.2
Kia	Car	All	2012					42.0	35.9	35.7	31.3	26.7								34.5
Kia	Car	All	2013					42.1	35.5	36.0	31.8	26.7								35.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Car	All	2014					40.9	35.9	34.3	29.4	25.8								33.4
Kia	Car	All	2015					40.9	36.5	34.5	29.5	25.2								34.0
Kia	Car	All	2016					40.9	36.8	37.7	31.1	27.1	22.6							36.1
Kia	Car	All	2017					41.1	39.8	40.2	32.0	25.9	22.6							38.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	Van	1975																	
Kia	Truck	Van	1976																	
Kia	Truck	Van	1977																	
Kia	Truck	Van	1978																	
Kia	Truck	Van	1979																	
Kia	Truck	Van	1980																	
Kia	Truck	Van	1981																	
Kia	Truck	Van	1982																	
Kia	Truck	Van	1983																	
Kia	Truck	Van	1984																	
Kia	Truck	Van	1985																	
Kia	Truck	Van	1986																	
Kia	Truck	Van	1987																	
Kia	Truck	Van	1988																	
Kia	Truck	Van	1989																	
Kia	Truck	Van	1990																	
Kia	Truck	Van	1991																	
Kia	Truck	Van	1992																	
Kia	Truck	Van	1993																	
Kia	Truck	Van	1994																	
Kia	Truck	Van	1995																	
Kia	Truck	Van	1996																	
Kia	Truck	Van	1997																	
Kia	Truck	Van	1998																	
Kia	Truck	Van	1999																	
Kia	Truck	Van	2000																	
Kia	Truck	Van	2001																	
Kia	Truck	Van	2002										20.0							20.0
Kia	Truck	Van	2003										20.0							20.0
Kia	Truck	Van	2004										21.1							21.1
Kia	Truck	Van	2005										21.3							21.3
Kia	Truck	Van	2006									23.8								23.8
Kia	Truck	Van	2007									23.8								23.8
Kia	Truck	Van	2008									23.8								23.8
Kia	Truck	Van	2009									23.8								23.8
Kia	Truck	Van	2010									24.7								24.7
Kia	Truck	Van	2011									26.8								26.8
Kia	Truck	Van	2012									26.8								26.8
Kia	Truck	Van	2013																	

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	Van	2014									25.4								25.4
Kia	Truck	Van	2015									26.5	24.4							26.2
Kia	Truck	Van	2016									26.4	24.4							26.3
Kia	Truck	Van	2017									26.4	24.4							26.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	Truck SUV	1975																	
Kia	Truck	Truck SUV	1976																	
Kia	Truck	Truck SUV	1977																	
Kia	Truck	Truck SUV	1978																	
Kia	Truck	Truck SUV	1979																	
Kia	Truck	Truck SUV	1980																	
Kia	Truck	Truck SUV	1981																	
Kia	Truck	Truck SUV	1982																	
Kia	Truck	Truck SUV	1983																	
Kia	Truck	Truck SUV	1984																	
Kia	Truck	Truck SUV	1985																	
Kia	Truck	Truck SUV	1986																	
Kia	Truck	Truck SUV	1987																	
Kia	Truck	Truck SUV	1988																	
Kia	Truck	Truck SUV	1989																	
Kia	Truck	Truck SUV	1990																	
Kia	Truck	Truck SUV	1991																	
Kia	Truck	Truck SUV	1992																	
Kia	Truck	Truck SUV	1993																	
Kia	Truck	Truck SUV	1994																	
Kia	Truck	Truck SUV	1995							24.3										24.3
Kia	Truck	Truck SUV	1996							23.0										23.0
Kia	Truck	Truck SUV	1997							24.0										24.0
Kia	Truck	Truck SUV	1998							24.4										24.4
Kia	Truck	Truck SUV	1999							24.4										24.4
Kia	Truck	Truck SUV	2000							23.6										23.6
Kia	Truck	Truck SUV	2001							22.9										22.9
Kia	Truck	Truck SUV	2002							23.3										23.3
Kia	Truck	Truck SUV	2003									19.3								19.3
Kia	Truck	Truck SUV	2004									19.9								19.9
Kia	Truck	Truck SUV	2005								24.2	20.2								20.7
Kia	Truck	Truck SUV	2006								24.3	20.3								21.1
Kia	Truck	Truck SUV	2007								24.4	22.0								23.2
Kia	Truck	Truck SUV	2008								24.3	22.4								23.4
Kia	Truck	Truck SUV	2009								25.8	23.0	21.6							24.3
Kia	Truck	Truck SUV	2010								25.7									25.7
Kia	Truck	Truck SUV	2011							30.6	30.5	26.7								29.1
Kia	Truck	Truck SUV	2012							29.6	28.7									29.5
Kia	Truck	Truck SUV	2013							29.6	28.7									29.5

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	Truck SUV	2014							28.8	27.2									28.6
Kia	Truck	Truck SUV	2015							28.8	28.0									28.8
Kia	Truck	Truck SUV	2016							28.8	30.6	26.4								27.6
Kia	Truck	Truck SUV	2017								29.5	26.3								27.8

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	All	1975																	
Kia	Truck	All	1976																	
Kia	Truck	All	1977																	
Kia	Truck	All	1978																	
Kia	Truck	All	1979																	
Kia	Truck	All	1980																	
Kia	Truck	All	1981																	
Kia	Truck	All	1982																	
Kia	Truck	All	1983																	
Kia	Truck	All	1984																	
Kia	Truck	All	1985																	
Kia	Truck	All	1986																	
Kia	Truck	All	1987																	
Kia	Truck	All	1988																	
Kia	Truck	All	1989																	
Kia	Truck	All	1990																	
Kia	Truck	All	1991																	
Kia	Truck	All	1992																	
Kia	Truck	All	1993																	
Kia	Truck	All	1994																	
Kia	Truck	All	1995							24.3										24.3
Kia	Truck	All	1996							23.0										23.0
Kia	Truck	All	1997							24.0										24.0
Kia	Truck	All	1998							24.4										24.4
Kia	Truck	All	1999							24.4										24.4
Kia	Truck	All	2000							23.6										23.6
Kia	Truck	All	2001							22.9										22.9
Kia	Truck	All	2002							23.3			20.0							20.9
Kia	Truck	All	2003									19.3	20.0							19.7
Kia	Truck	All	2004									19.9	21.1							20.6
Kia	Truck	All	2005								24.2	20.2	21.3							21.0
Kia	Truck	All	2006								24.3	21.9								22.1
Kia	Truck	All	2007								24.4	23.5								23.6
Kia	Truck	All	2008								24.3	23.4								23.6
Kia	Truck	All	2009								25.8	23.5	21.6							24.1
Kia	Truck	All	2010								25.7	24.7								25.0
Kia	Truck	All	2011							30.6	30.5	26.7								28.6
Kia	Truck	All	2012							29.6	28.7	26.8								27.6
Kia	Truck	All	2013							29.6	28.7									29.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	Truck	All	2014							28.8	27.2	25.4								26.9
Kia	Truck	All	2015							28.8	28.0	26.5	24.4							27.2
Kia	Truck	All	2016							28.8	30.6	26.4	24.4							27.2
Kia	Truck	All	2017								29.5	26.4	24.4							27.2

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	All	All	1975																	
Kia	All	All	1976																	
Kia	All	All	1977																	
Kia	All	All	1978																	
Kia	All	All	1979																	
Kia	All	All	1980																	
Kia	All	All	1981																	
Kia	All	All	1982																	
Kia	All	All	1983																	
Kia	All	All	1984																	
Kia	All	All	1985																	
Kia	All	All	1986																	
Kia	All	All	1987																	
Kia	All	All	1988																	
Kia	All	All	1989																	
Kia	All	All	1990																	
Kia	All	All	1991																	
Kia	All	All	1992																	
Kia	All	All	1993					31.7												31.7
Kia	All	All	1994					32.9												32.9
Kia	All	All	1995					31.0		24.3										28.3
Kia	All	All	1996					28.9		23.4										27.3
Kia	All	All	1997					30.8		23.7										27.8
Kia	All	All	1998					30.7		24.4										28.0
Kia	All	All	1999					30.7		24.4										27.8
Kia	All	All	2000					29.8		23.5										26.9
Kia	All	All	2001				32.9	30.1		23.7										27.9
Kia	All	All	2002					32.4	29.2	23.8			20.0							25.7
Kia	All	All	2003					33.2	29.2	27.8		19.3	20.0							24.8
Kia	All	All	2004					31.8	31.4	28.1	22.6	19.9	21.1							25.1
Kia	All	All	2005					31.4	32.3	28.4	23.9	20.2	21.3							24.4
Kia	All	All	2006					38.3	33.1	29.8	24.5	21.9								27.0
Kia	All	All	2007					38.2	34.9	30.1	25.3	23.2								28.3
Kia	All	All	2008					38.2	35.2	30.5	25.6	23.3								28.8
Kia	All	All	2009					39.5	35.2	31.0	26.0	23.5	21.6							30.7
Kia	All	All	2010					40.5	36.2	32.2	25.8	24.7								34.5
Kia	All	All	2011					40.4	36.2	34.5	30.8	26.7								33.0
Kia	All	All	2012					42.0	35.9	35.0	31.3	26.8								33.7
Kia	All	All	2013					42.1	35.5	35.5	31.7	26.7								35.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Kia	All	All	2014					40.9	35.9	33.6	29.4	25.6								33.0
Kia	All	All	2015					40.9	36.5	34.0	29.5	25.8	24.4							33.4
Kia	All	All	2016					40.9	36.8	36.4	31.0	26.4	24.3							33.7
Kia	All	All	2017					41.1	39.8	40.2	31.3	26.4	24.3							35.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	Car	1975																	
Hyundai	Car	Car	1976																	
Hyundai	Car	Car	1977																	
Hyundai	Car	Car	1978																	
Hyundai	Car	Car	1979																	
Hyundai	Car	Car	1980																	
Hyundai	Car	Car	1981																	
Hyundai	Car	Car	1982																	
Hyundai	Car	Car	1983																	
Hyundai	Car	Car	1984																	
Hyundai	Car	Car	1985																	
Hyundai	Car	Car	1986				34.9													34.9
Hyundai	Car	Car	1987				34.5													34.5
Hyundai	Car	Car	1988				34.3													34.3
Hyundai	Car	Car	1989				34.8		26.5											33.1
Hyundai	Car	Car	1990				35.7		26.9	23.8										33.1
Hyundai	Car	Car	1991				34.9		26.9	23.7										32.7
Hyundai	Car	Car	1992				34.8	28.8	28.9	24.9										31.1
Hyundai	Car	Car	1993				35.0	28.5	29.2	25.2										31.0
Hyundai	Car	Car	1994				35.8	28.5	29.2	24.9										32.7
Hyundai	Car	Car	1995				36.8	29.2	28.6	23.7										30.9
Hyundai	Car	Car	1996				35.9	31.6	29.5	24.5										32.7
Hyundai	Car	Car	1997				35.8	31.0	29.1	23.8										31.0
Hyundai	Car	Car	1998				35.6	31.8	28.6	23.1										30.6
Hyundai	Car	Car	1999				35.8		29.5	26.7										30.5
Hyundai	Car	Car	2000				36.5	34.0	29.6	26.8										30.0
Hyundai	Car	Car	2001				36.6	33.9	31.9	27.0	25.4									31.0
Hyundai	Car	Car	2002				36.6	33.8	32.4	27.4	24.1									30.8
Hyundai	Car	Car	2003					35.0	32.2	26.5	23.4									30.1
Hyundai	Car	Car	2004					35.0	32.3	26.7	23.4									29.2
Hyundai	Car	Car	2005					35.0	32.4	26.8	24.3									30.2
Hyundai	Car	Car	2006					37.2	32.2	30.2	27.5									29.8
Hyundai	Car	Car	2007					37.1	36.8	31.1	27.3									32.1
Hyundai	Car	Car	2008					37.2	36.6	31.4	27.8									33.8
Hyundai	Car	Car	2009					39.0	36.6	33.2	28.7	25.2								33.8
Hyundai	Car	Car	2010					40.2	38.7	32.5	28.3	25.2								35.9
Hyundai	Car	Car	2011					40.2	44.4	35.3	28.1	24.9								36.4
Hyundai	Car	Car	2012					41.8	41.6	36.1	30.9	24.2								37.7
Hyundai	Car	Car	2013					42.1	41.6	35.8	32.6	23.5								38.7

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	Car	2014					40.8	40.4	36.0	32.9	22.8								38.0
Hyundai	Car	Car	2015					40.8	41.3	37.8	32.7	25.9								37.2
Hyundai	Car	Car	2016					40.8	41.4	40.0	35.9	26.3								39.9
Hyundai	Car	Car	2017					40.8	43.4	40.9	40.2	26.4	25.3							41.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	Car SUV	1975																	
Hyundai	Car	Car SUV	1976																	
Hyundai	Car	Car SUV	1977																	
Hyundai	Car	Car SUV	1978																	
Hyundai	Car	Car SUV	1979																	
Hyundai	Car	Car SUV	1980																	
Hyundai	Car	Car SUV	1981																	
Hyundai	Car	Car SUV	1982																	
Hyundai	Car	Car SUV	1983																	
Hyundai	Car	Car SUV	1984																	
Hyundai	Car	Car SUV	1985																	
Hyundai	Car	Car SUV	1986																	
Hyundai	Car	Car SUV	1987																	
Hyundai	Car	Car SUV	1988																	
Hyundai	Car	Car SUV	1989																	
Hyundai	Car	Car SUV	1990																	
Hyundai	Car	Car SUV	1991																	
Hyundai	Car	Car SUV	1992																	
Hyundai	Car	Car SUV	1993																	
Hyundai	Car	Car SUV	1994																	
Hyundai	Car	Car SUV	1995																	
Hyundai	Car	Car SUV	1996																	
Hyundai	Car	Car SUV	1997																	
Hyundai	Car	Car SUV	1998																	
Hyundai	Car	Car SUV	1999																	
Hyundai	Car	Car SUV	2000																	
Hyundai	Car	Car SUV	2001								25.9									25.9
Hyundai	Car	Car SUV	2002								25.3									25.3
Hyundai	Car	Car SUV	2003								25.6									25.6
Hyundai	Car	Car SUV	2004								25.0									25.0
Hyundai	Car	Car SUV	2005							28.2	25.0									25.4
Hyundai	Car	Car SUV	2006							28.2	25.2									25.7
Hyundai	Car	Car SUV	2007							28.2	25.8	23.6								26.0
Hyundai	Car	Car SUV	2008							28.2	26.2	23.6								26.1
Hyundai	Car	Car SUV	2009							28.9	26.2	23.6								26.4
Hyundai	Car	Car SUV	2010							34.0	30.0	24.7								30.4
Hyundai	Car	Car SUV	2011							32.8	29.7	24.7								30.4
Hyundai	Car	Car SUV	2012							32.3	29.7	24.7								30.3
Hyundai	Car	Car SUV	2013							32.3	29.5									30.3

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	Car SUV	2014							31.5	28.7									29.3
Hyundai	Car	Car SUV	2015							31.9	28.7	71.1								29.7
Hyundai	Car	Car SUV	2016							33.9	31.2	71.1								32.1
Hyundai	Car	Car SUV	2017							34.4	31.3	71.1								31.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	All	1975																	
Hyundai	Car	All	1976																	
Hyundai	Car	All	1977																	
Hyundai	Car	All	1978																	
Hyundai	Car	All	1979																	
Hyundai	Car	All	1980																	
Hyundai	Car	All	1981																	
Hyundai	Car	All	1982																	
Hyundai	Car	All	1983																	
Hyundai	Car	All	1984																	
Hyundai	Car	All	1985																	
Hyundai	Car	All	1986				34.9													34.9
Hyundai	Car	All	1987				34.5													34.5
Hyundai	Car	All	1988				34.3													34.3
Hyundai	Car	All	1989				34.8		26.5											33.1
Hyundai	Car	All	1990				35.7		26.9	23.8										33.1
Hyundai	Car	All	1991				34.9		26.9	23.7										32.7
Hyundai	Car	All	1992				34.8	28.8	28.9	24.9										31.1
Hyundai	Car	All	1993				35.0	28.5	29.2	25.2										31.0
Hyundai	Car	All	1994				35.8	28.5	29.2	24.9										32.7
Hyundai	Car	All	1995				36.8	29.2	28.6	23.7										30.9
Hyundai	Car	All	1996				35.9	31.6	29.5	24.5										32.7
Hyundai	Car	All	1997				35.8	31.0	29.1	23.8										31.0
Hyundai	Car	All	1998				35.6	31.8	28.6	23.1										30.6
Hyundai	Car	All	1999				35.8		29.5	26.7										30.5
Hyundai	Car	All	2000				36.5	34.0	29.6	26.8										30.0
Hyundai	Car	All	2001				36.6	33.9	31.9	27.0	25.7									30.5
Hyundai	Car	All	2002				36.6	33.8	32.4	27.4	25.0									30.0
Hyundai	Car	All	2003					35.0	32.2	26.5	25.2									29.3
Hyundai	Car	All	2004					35.0	32.3	26.7	24.6									28.2
Hyundai	Car	All	2005					35.0	32.4	27.0	24.8									28.8
Hyundai	Car	All	2006					37.2	32.2	29.8	26.8									29.0
Hyundai	Car	All	2007					37.1	36.8	30.5	26.5	23.6								30.0
Hyundai	Car	All	2008					37.2	36.6	30.9	26.8	23.6								31.7
Hyundai	Car	All	2009					39.0	36.6	33.0	27.3	24.9								32.3
Hyundai	Car	All	2010					40.2	38.7	32.7	29.6	24.9								34.9
Hyundai	Car	All	2011					40.2	44.4	35.1	29.3	24.8								35.4
Hyundai	Car	All	2012					41.8	41.6	35.5	30.3	24.4								36.6
Hyundai	Car	All	2013					42.1	41.6	35.4	30.7	23.5								37.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Car	All	2014					40.8	40.4	35.3	29.5	22.8								35.8
Hyundai	Car	All	2015					40.8	41.3	37.1	30.1	26.0								36.0
Hyundai	Car	All	2016					40.8	41.4	38.3	31.9	26.4								37.8
Hyundai	Car	All	2017					40.8	43.4	39.6	32.2	26.6	25.3							38.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Truck	Truck SUV	1975																	
Hyundai	Truck	Truck SUV	1976																	
Hyundai	Truck	Truck SUV	1977																	
Hyundai	Truck	Truck SUV	1978																	
Hyundai	Truck	Truck SUV	1979																	
Hyundai	Truck	Truck SUV	1980																	
Hyundai	Truck	Truck SUV	1981																	
Hyundai	Truck	Truck SUV	1982																	
Hyundai	Truck	Truck SUV	1983																	
Hyundai	Truck	Truck SUV	1984																	
Hyundai	Truck	Truck SUV	1985																	
Hyundai	Truck	Truck SUV	1986																	
Hyundai	Truck	Truck SUV	1987																	
Hyundai	Truck	Truck SUV	1988																	
Hyundai	Truck	Truck SUV	1989																	
Hyundai	Truck	Truck SUV	1990																	
Hyundai	Truck	Truck SUV	1991																	
Hyundai	Truck	Truck SUV	1992																	
Hyundai	Truck	Truck SUV	1993																	
Hyundai	Truck	Truck SUV	1994																	
Hyundai	Truck	Truck SUV	1995																	
Hyundai	Truck	Truck SUV	1996																	
Hyundai	Truck	Truck SUV	1997																	
Hyundai	Truck	Truck SUV	1998																	
Hyundai	Truck	Truck SUV	1999																	
Hyundai	Truck	Truck SUV	2000																	
Hyundai	Truck	Truck SUV	2001								24.0									24.0
Hyundai	Truck	Truck SUV	2002								23.5									23.5
Hyundai	Truck	Truck SUV	2003								23.3									23.3
Hyundai	Truck	Truck SUV	2004								22.8									22.8
Hyundai	Truck	Truck SUV	2005								23.0									23.0
Hyundai	Truck	Truck SUV	2006								23.5	22.1								22.9
Hyundai	Truck	Truck SUV	2007								25.1	24.3								24.5
Hyundai	Truck	Truck SUV	2008								24.9	24.5								24.6
Hyundai	Truck	Truck SUV	2009								25.8	24.8								24.9
Hyundai	Truck	Truck SUV	2010							31.1	29.6	23.7								29.2
Hyundai	Truck	Truck SUV	2011							31.1	28.5	23.7								28.7
Hyundai	Truck	Truck SUV	2012							29.5	28.5	23.7								28.5
Hyundai	Truck	Truck SUV	2013							29.5	26.9	26.4								28.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Truck	Truck SUV	2014							29.0	26.9	26.0								27.3
Hyundai	Truck	Truck SUV	2015							29.1	26.9	25.7								27.5
Hyundai	Truck	Truck SUV	2016								27.1	26.0								26.4
Hyundai	Truck	Truck SUV	2017								27.3	26.6								26.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Truck	All	1975																	
Hyundai	Truck	All	1976																	
Hyundai	Truck	All	1977																	
Hyundai	Truck	All	1978																	
Hyundai	Truck	All	1979																	
Hyundai	Truck	All	1980																	
Hyundai	Truck	All	1981																	
Hyundai	Truck	All	1982																	
Hyundai	Truck	All	1983																	
Hyundai	Truck	All	1984																	
Hyundai	Truck	All	1985																	
Hyundai	Truck	All	1986																	
Hyundai	Truck	All	1987																	
Hyundai	Truck	All	1988																	
Hyundai	Truck	All	1989																	
Hyundai	Truck	All	1990																	
Hyundai	Truck	All	1991																	
Hyundai	Truck	All	1992																	
Hyundai	Truck	All	1993																	
Hyundai	Truck	All	1994																	
Hyundai	Truck	All	1995																	
Hyundai	Truck	All	1996																	
Hyundai	Truck	All	1997																	
Hyundai	Truck	All	1998																	
Hyundai	Truck	All	1999																	
Hyundai	Truck	All	2000																	
Hyundai	Truck	All	2001								24.0									24.0
Hyundai	Truck	All	2002								23.5									23.5
Hyundai	Truck	All	2003								23.3									23.3
Hyundai	Truck	All	2004								22.8									22.8
Hyundai	Truck	All	2005								23.0									23.0
Hyundai	Truck	All	2006								23.5	22.1								22.9
Hyundai	Truck	All	2007								25.1	24.3								24.5
Hyundai	Truck	All	2008								24.9	24.5								24.6
Hyundai	Truck	All	2009								25.8	24.8								24.9
Hyundai	Truck	All	2010							31.1	29.6	23.7								29.2
Hyundai	Truck	All	2011							31.1	28.5	23.7								28.7
Hyundai	Truck	All	2012							29.5	28.5	23.7								28.5
Hyundai	Truck	All	2013							29.5	26.9	26.4								28.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	Truck	All	2014							29.0	26.9	26.0								27.3
Hyundai	Truck	All	2015							29.1	26.9	25.7								27.5
Hyundai	Truck	All	2016								27.1	26.0								26.4
Hyundai	Truck	All	2017								27.3	26.6								26.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	All	All	1975																	
Hyundai	All	All	1976																	
Hyundai	All	All	1977																	
Hyundai	All	All	1978																	
Hyundai	All	All	1979																	
Hyundai	All	All	1980																	
Hyundai	All	All	1981																	
Hyundai	All	All	1982																	
Hyundai	All	All	1983																	
Hyundai	All	All	1984																	
Hyundai	All	All	1985																	
Hyundai	All	All	1986				34.9													34.9
Hyundai	All	All	1987				34.5													34.5
Hyundai	All	All	1988				34.3													34.3
Hyundai	All	All	1989				34.8		26.5											33.1
Hyundai	All	All	1990				35.7		26.9	23.8										33.1
Hyundai	All	All	1991				34.9		26.9	23.7										32.7
Hyundai	All	All	1992				34.8	28.8	28.9	24.9										31.1
Hyundai	All	All	1993				35.0	28.5	29.2	25.2										31.0
Hyundai	All	All	1994				35.8	28.5	29.2	24.9										32.7
Hyundai	All	All	1995				36.8	29.2	28.6	23.7										30.9
Hyundai	All	All	1996				35.9	31.6	29.5	24.5										32.7
Hyundai	All	All	1997				35.8	31.0	29.1	23.8										31.0
Hyundai	All	All	1998				35.6	31.8	28.6	23.1										30.6
Hyundai	All	All	1999				35.8		29.5	26.7										30.5
Hyundai	All	All	2000				36.5	34.0	29.6	26.8										30.0
Hyundai	All	All	2001				36.6	33.9	31.9	27.0	25.1									29.9
Hyundai	All	All	2002				36.6	33.8	32.4	27.4	24.4									29.2
Hyundai	All	All	2003					35.0	32.2	26.5	24.3									28.5
Hyundai	All	All	2004					35.0	32.3	26.7	24.0									27.5
Hyundai	All	All	2005					35.0	32.4	27.0	24.3									28.2
Hyundai	All	All	2006					37.2	32.2	29.8	26.6	22.1								28.7
Hyundai	All	All	2007					37.1	36.8	30.5	26.4	24.2								29.2
Hyundai	All	All	2008					37.2	36.6	30.9	26.7	24.3								30.9
Hyundai	All	All	2009					39.0	36.6	33.0	27.3	24.8								31.7
Hyundai	All	All	2010					40.2	38.7	32.6	29.6	24.6								34.4
Hyundai	All	All	2011					40.2	44.4	34.9	29.0	24.6								34.7
Hyundai	All	All	2012					41.8	41.6	35.1	29.8	24.3								35.8
Hyundai	All	All	2013					42.1	41.6	35.0	30.4	25.1								37.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Hyundai	All	All	2014					40.8	40.4	34.6	29.2	24.9								35.1
Hyundai	All	All	2015					40.8	41.3	36.3	30.0	25.9								35.3
Hyundai	All	All	2016					40.8	41.4	38.3	31.6	26.2								37.4
Hyundai	All	All	2017					40.8	43.4	39.6	31.7	26.6	25.3							37.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Car	Car	1975			27.4	26.1	19.5	21.6	10.2										26.5
VW	Car	Car	1976			28.5	27.0	20.7	21.0											27.5
VW	Car	Car	1977			30.5	28.5	17.8	20.5											28.8
VW	Car	Car	1978			30.4	25.8		19.5	14.1										27.2
VW	Car	Car	1979			31.5	27.8		19.7	13.3										28.6
VW	Car	Car	1980			33.6	31.0	22.9	22.2	19.4										31.2
VW	Car	Car	1981			38.9	32.3	25.4	23.0	18.5										34.2
VW	Car	Car	1982			38.3	33.9	28.5	22.1	18.9										32.8
VW	Car	Car	1983			33.6	32.6	30.3	24.0	19.9										30.0
VW	Car	Car	1984			35.4	30.8	26.0	23.5	21.4										28.4
VW	Car	Car	1985				33.8	26.4	23.7	22.2										29.5
VW	Car	Car	1986				32.9	26.0	23.7	23.0	18.4									29.0
VW	Car	Car	1987				31.8	27.8	24.4	22.2	18.5		11.5	10.8						28.3
VW	Car	Car	1988				31.4	30.6	25.2	21.8	20.7		12.4	12.2						29.7
VW	Car	Car	1989				31.1	31.4	24.0	22.6	20.6		12.4	12.8						29.3
VW	Car	Car	1990				31.8	30.9	27.0	24.3	18.9			12.9						28.3
VW	Car	Car	1991				32.6	31.8	26.5	24.1	21.1			12.9						28.9
VW	Car	Car	1992				32.7	31.3	26.6	24.7	22.0			14.5						28.7
VW	Car	Car	1993				32.7	30.7	27.5	23.7	22.2			14.1						26.5
VW	Car	Car	1994					31.0	29.1	23.7	22.2					13.6				27.7
VW	Car	Car	1995					31.7	29.9	23.8	23.2									28.2
VW	Car	Car	1996					30.1	29.0	25.5	24.0			15.4	14.9					27.8
VW	Car	Car	1997					31.1	29.3	25.2	23.8			15.0	14.9					28.1
VW	Car	Car	1998					31.0	29.9	26.9	23.3			15.0	14.9					28.4
VW	Car	Car	1999						29.7	26.5	23.2		16.0	14.9						27.9
VW	Car	Car	2000						30.5	26.2	23.0	22.8		15.2	15.0					28.2
VW	Car	Car	2001						30.8	26.5	22.9	20.9			15.0	15.2				27.8
VW	Car	Car	2002						31.1	28.8	24.4	20.3			14.5	15.2				28.7
VW	Car	Car	2003						32.0	29.2	25.5	21.6			13.8	15.2				29.1
VW	Car	Car	2004						32.1	28.8	25.2	22.5		18.9	13.8					28.2
VW	Car	Car	2005						31.6	29.8	26.4	22.4	19.7	16.5	13.8					28.4
VW	Car	Car	2006						31.3	31.0	27.4	23.3	19.7	16.8	15.4					29.6
VW	Car	Car	2007						30.4	29.1	28.6	23.5	19.1	16.2	15.7	14.3				28.4
VW	Car	Car	2008						30.6	29.7	27.9	23.1	19.1	16.2	15.7	14.4				28.8
VW	*Car*	*Car*	*2009*						*30.4*	*32.1*	*29.0*	*25.2*	*19.1*	*16.2*	*15.5*	*14.5*				*30.8*
VW	*Car*	*Car*	*2010*						*30.6*	*34.7*	*29.8*	*25.6*	*17.7*	*16.2*	*15.8*	*14.5*				*32.7*
VW	*Car*	*Car*	*2011*						*33.1*	*35.4*	*29.7*	*25.5*	*17.8*	*17.3*	*16.5*					*33.0*
VW	*Car*	*Car*	*2012*						*33.2*	*34.4*	*29.6*	*26.8*	*20.5*	*17.3*	*16.9*					*32.9*
VW	*Car*	*Car*	*2013*						*33.1*	*34.9*	*30.0*	*26.4*	*23.9*	*21.1*	*19.2*	*15.8*				*33.3*

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Car*	*Car*	*2014*						*33.2*	*37.2*	*29.7*	*28.1*	*29.0*	*21.4*	*18.9*	*15.8*				*34.4*
VW	*Car*	*Car*	*2015*						*35.0*	*38.3*	*32.7*	*28.4*	*29.0*	*22.1*	*20.5*	*15.8*				*36.0*
VW	*Car*	*Car*	*2016*						*44.8*	*38.6*	*32.1*	*30.0*	*27.9*	*21.5*	*20.2*	*17.2*				*36.3*
VW	Car	Car	2017						44.8	37.8	33.2	30.1	26.5	21.0	20.0	17.1				36.1

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Car	Car SUV	1975																	
VW	Car	Car SUV	1976																	
VW	Car	Car SUV	1977																	
VW	Car	Car SUV	1978																	
VW	Car	Car SUV	1979																	
VW	Car	Car SUV	1980																	
VW	Car	Car SUV	1981																	
VW	Car	Car SUV	1982																	
VW	Car	Car SUV	1983																	
VW	Car	Car SUV	1984																	
VW	Car	Car SUV	1985																	
VW	Car	Car SUV	1986																	
VW	Car	Car SUV	1987																	
VW	Car	Car SUV	1988																	
VW	Car	Car SUV	1989																	
VW	Car	Car SUV	1990																	
VW	Car	Car SUV	1991																	
VW	Car	Car SUV	1992																	
VW	Car	Car SUV	1993																	
VW	Car	Car SUV	1994																	
VW	Car	Car SUV	1995																	
VW	Car	Car SUV	1996																	
VW	Car	Car SUV	1997																	
VW	Car	Car SUV	1998																	
VW	Car	Car SUV	1999																	
VW	Car	Car SUV	2000																	
VW	Car	Car SUV	2001																	
VW	Car	Car SUV	2002																	
VW	Car	Car SUV	2003																	
VW	Car	Car SUV	2004																	
VW	Car	Car SUV	2005																	
VW	Car	Car SUV	2006																	
VW	Car	Car SUV	2007																	
VW	Car	Car SUV	2008																	
VW	*Car*	*Car SUV*	*2009*																	
VW	*Car*	*Car SUV*	*2010*																	
VW	*Car*	*Car SUV*	*2011*																	
VW	*Car*	*Car SUV*	*2012*								*30.8*									*30.8*
VW	*Car*	*Car SUV*	*2013*								*30.1*									*30.1*

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Car*	*Car SUV*	*2014*								*29.4*									*29.4*
VW	*Car*	*Car SUV*	*2015*								*29.4*									*29.4*
VW	*Car*	*Car SUV*	*2016*								*29.2*									*29.2*
VW	Car	Car SUV	2017								28.7				18.4					28.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Car	All	1975			27.4	26.1	19.5	21.6	10.2										26.5
VW	Car	All	1976			28.5	27.0	20.7	21.0											27.5
VW	Car	All	1977			30.5	28.5	17.8	20.5											28.8
VW	Car	All	1978			30.4	25.8		19.5	14.1										27.2
VW	Car	All	1979			31.5	27.8		19.7	13.3										28.6
VW	Car	All	1980			33.6	31.0	22.9	22.2	19.4										31.2
VW	Car	All	1981			38.9	32.3	25.4	23.0	18.5										34.2
VW	Car	All	1982			38.3	33.9	28.5	22.1	18.9										32.8
VW	Car	All	1983			33.6	32.6	30.3	24.0	19.9										30.0
VW	Car	All	1984			35.4	30.8	26.0	23.5	21.4										28.4
VW	Car	All	1985				33.8	26.4	23.7	22.2										29.5
VW	Car	All	1986				32.9	26.0	23.7	23.0	18.4									29.0
VW	Car	All	1987				31.8	27.8	24.4	22.2	18.5		11.5	10.8						28.3
VW	Car	All	1988				31.4	30.6	25.2	21.8	20.7		12.4	12.2						29.7
VW	Car	All	1989				31.1	31.4	24.0	22.6	20.6		12.4	12.8						29.3
VW	Car	All	1990				31.8	30.9	27.0	24.3	18.9			12.9						28.3
VW	Car	All	1991				32.6	31.8	26.5	24.1	21.1			12.9						28.9
VW	Car	All	1992				32.7	31.3	26.6	24.7	22.0			14.5						28.7
VW	Car	All	1993				32.7	30.7	27.5	23.7	22.2			14.1						26.5
VW	Car	All	1994					31.0	29.1	23.7	22.2					13.6				27.7
VW	Car	All	1995					31.7	29.9	23.8	23.2									28.2
VW	Car	All	1996					30.1	29.0	25.5	24.0			15.4	14.9					27.8
VW	Car	All	1997					31.1	29.3	25.2	23.8			15.0	14.9					28.1
VW	Car	All	1998					31.0	29.9	26.9	23.3			15.0	14.9					28.4
VW	Car	All	1999						29.7	26.5	23.2		16.0	14.9						27.9
VW	Car	All	2000						30.5	26.2	23.0	22.8		15.2	15.0					28.2
VW	Car	All	2001						30.8	26.5	22.9	20.9			15.0	15.2				27.8
VW	Car	All	2002						31.1	28.8	24.4	20.3			14.5	15.2				28.7
VW	Car	All	2003						32.0	29.2	25.5	21.6			13.8	15.2				29.1
VW	Car	All	2004						32.1	28.8	25.2	22.5		18.9	13.8					28.2
VW	Car	All	2005						31.6	29.8	26.4	22.4	19.7	16.5	13.8					28.4
VW	Car	All	2006						31.3	31.0	27.4	23.3	19.7	16.8	15.4					29.6
VW	Car	All	2007						30.4	29.1	28.6	23.5	19.1	16.2	15.7	14.3				28.4
VW	Car	All	2008						30.6	29.7	27.9	23.1	19.1	16.2	15.7	14.4				28.8
VW	*Car*	*All*	*2009*						*30.4*	*32.1*	*29.0*	*25.2*	*19.1*	*16.2*	*15.5*	*14.5*				*30.8*
VW	*Car*	*All*	*2010*						*30.6*	*34.7*	*29.8*	*25.6*	*17.7*	*16.2*	*15.8*	*14.5*				*32.7*
VW	*Car*	*All*	*2011*						*33.1*	*35.4*	*29.7*	*25.5*	*17.8*	*17.3*	*16.5*					*33.0*
VW	*Car*	*All*	*2012*						*33.2*	*34.4*	*29.8*	*26.8*	*20.5*	*17.3*	*16.9*					*32.8*
VW	*Car*	*All*	*2013*						*33.1*	*34.9*	*30.0*	*26.4*	*23.9*	*21.1*	*19.2*	*15.8*				*33.2*

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Car*	*All*	*2014*						*33.2*	*37.2*	*29.6*	*28.1*	*29.0*	*21.4*	*18.9*	*15.8*				*34.2*
VW	*Car*	*All*	*2015*						*35.0*	*38.3*	*32.3*	*28.4*	*29.0*	*22.1*	*20.5*	*15.8*				*35.8*
VW	*Car*	*All*	*2016*						*44.8*	*38.6*	*31.4*	*30.0*	*27.9*	*21.5*	*20.2*	*17.2*				*35.8*
VW	Car	All	2017						44.8	37.8	31.9	30.1	26.5	21.0	19.3	17.1				35.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Truck	Van	1975						21.2	20.7										20.7
VW	Truck	Van	1976							19.9										19.9
VW	Truck	Van	1977							22.2										22.2
VW	Truck	Van	1978							20.0										20.0
VW	Truck	Van	1979							18.7										18.7
VW	Truck	Van	1980							19.2	18.4									19.0
VW	Truck	Van	1981							18.8	18.0									18.5
VW	Truck	Van	1982							21.8	21.4									21.7
VW	Truck	Van	1983							19.5	18.6									19.3
VW	Truck	Van	1984							20.9	20.1									20.7
VW	Truck	Van	1985							21.5	20.9									21.3
VW	Truck	Van	1986							20.3	18.4									19.2
VW	Truck	Van	1987							20.3	18.3									18.9
VW	Truck	Van	1988							20.3	19.7									19.9
VW	Truck	Van	1989								21.1	18.6								20.8
VW	Truck	Van	1990								20.9	18.5								20.8
VW	Truck	Van	1991								21.0	18.5								20.9
VW	Truck	Van	1992																	
VW	Truck	Van	1993								21.3	20.3								21.0
VW	Truck	Van	1994								21.0	19.4								20.1
VW	Truck	Van	1995										19.6							19.6
VW	Truck	Van	1996																	
VW	Truck	Van	1997									20.1		18.5						18.5
VW	Truck	Van	1998																	
VW	Truck	Van	1999									19.5		18.5						19.1
VW	Truck	Van	2000									19.7		18.5						19.0
VW	Truck	Van	2001									21.0		20.0						20.7
VW	Truck	Van	2002									21.0		20.0						20.9
VW	Truck	Van	2003									20.9		20.0						20.9
VW	Truck	Van	2004																	
VW	Truck	Van	2005																	
VW	Truck	Van	2006																	
VW	Truck	Van	2007																	
VW	Truck	Van	2008																	
VW	*Truck*	*Van*	*2009*																	
VW	*Truck*	*Van*	*2010*																	
VW	*Truck*	*Van*	*2011*																	
VW	*Truck*	*Van*	*2012*																	
VW	*Truck*	*Van*	*2013*																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Truck*	*Van*	*2014*																	
VW	*Truck*	*Van*	*2015*																	
VW	*Truck*	*Van*	*2016*																	
VW	Truck	Van	2017																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Truck	Truck SUV	1975																	
VW	Truck	Truck SUV	1976																	
VW	Truck	Truck SUV	1977																	
VW	Truck	Truck SUV	1978																	
VW	Truck	Truck SUV	1979																	
VW	Truck	Truck SUV	1980																	
VW	Truck	Truck SUV	1981																	
VW	Truck	Truck SUV	1982																	
VW	Truck	Truck SUV	1983																	
VW	Truck	Truck SUV	1984																	
VW	Truck	Truck SUV	1985																	
VW	Truck	Truck SUV	1986																	
VW	Truck	Truck SUV	1987																	
VW	Truck	Truck SUV	1988																	
VW	Truck	Truck SUV	1989																	
VW	Truck	Truck SUV	1990																	
VW	Truck	Truck SUV	1991																	
VW	Truck	Truck SUV	1992																	
VW	Truck	Truck SUV	1993																	
VW	Truck	Truck SUV	1994																	
VW	Truck	Truck SUV	1995																	
VW	Truck	Truck SUV	1996																	
VW	Truck	Truck SUV	1997																	
VW	Truck	Truck SUV	1998																	
VW	Truck	Truck SUV	1999																	
VW	Truck	Truck SUV	2000																	
VW	Truck	Truck SUV	2001																	
VW	Truck	Truck SUV	2002																	
VW	Truck	Truck SUV	2003											18.0						18.0
VW	Truck	Truck SUV	2004										19.6	18.6	22.8					18.7
VW	Truck	Truck SUV	2005										19.6	19.0						19.1
VW	Truck	Truck SUV	2006										19.6	18.9	21.7					19.1
VW	Truck	Truck SUV	2007											19.8	18.2					19.5
VW	Truck	Truck SUV	2008										20.7	20.5	18.0					20.1
VW	*Truck*	*Truck SUV*	*2009*								*26.7*	*25.7*	*20.7*	*20.8*	*20.4*					*23.5*
VW	*Truck*	*Truck SUV*	*2010*								*26.7*	*25.7*	*20.7*	*21.4*	*23.3*					*24.8*
VW	*Truck*	*Truck SUV*	*2011*								*28.0*	*27.6*	*24.5*	*24.5*	*25.2*					*26.6*
VW	*Truck*	*Truck SUV*	*2012*								*30.8*	*27.5*	*25.4*	*24.6*	*24.6*					*26.9*
VW	*Truck*	*Truck SUV*	*2013*								*29.6*	*29.1*	*25.7*	*23.5*	*24.9*					*27.1*

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Truck*	*Truck SUV*	*2014*								*29.3*	*29.3*	*25.8*	*23.2*	*28.1*					*27.2*
VW	*Truck*	*Truck SUV*	*2015*								*29.2*	*28.3*	*27.6*	*23.0*	*28.8*					*27.0*
VW	*Truck*	*Truck SUV*	*2016*								*28.9*	*28.2*	*26.2*	*30.1*						*28.1*
VW	Truck	Truck SUV	2017								27.8	28.0	26.9	24.9						27.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Truck	Pickup	1975																	
VW	Truck	Pickup	1976																	
VW	Truck	Pickup	1977																	
VW	Truck	Pickup	1978																	
VW	Truck	Pickup	1979																	
VW	Truck	Pickup	1980			32.0	23.7													31.3
VW	Truck	Pickup	1981			41.5	28.5													36.9
VW	Truck	Pickup	1982			43.5	29.9													39.2
VW	Truck	Pickup	1983			43.9	30.3													35.7
VW	Truck	Pickup	1984																	
VW	Truck	Pickup	1985																	
VW	Truck	Pickup	1986																	
VW	Truck	Pickup	1987																	
VW	Truck	Pickup	1988																	
VW	Truck	Pickup	1989																	
VW	Truck	Pickup	1990																	
VW	Truck	Pickup	1991																	
VW	Truck	Pickup	1992																	
VW	Truck	Pickup	1993																	
VW	Truck	Pickup	1994																	
VW	Truck	Pickup	1995																	
VW	Truck	Pickup	1996																	
VW	Truck	Pickup	1997																	
VW	Truck	Pickup	1998																	
VW	Truck	Pickup	1999																	
VW	Truck	Pickup	2000																	
VW	Truck	Pickup	2001																	
VW	Truck	Pickup	2002																	
VW	Truck	Pickup	2003																	
VW	Truck	Pickup	2004																	
VW	Truck	Pickup	2005																	
VW	Truck	Pickup	2006																	
VW	Truck	Pickup	2007																	
VW	Truck	Pickup	2008																	
VW	*Truck*	*Pickup*	*2009*																	
VW	*Truck*	*Pickup*	*2010*																	
VW	*Truck*	*Pickup*	*2011*																	
VW	*Truck*	*Pickup*	*2012*																	
VW	*Truck*	*Pickup*	*2013*																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Truck*	*Pickup*	*2014*																	
VW	*Truck*	*Pickup*	*2015*																	
VW	*Truck*	*Pickup*	*2016*																	
VW	Truck	Pickup	2017																	

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	Truck	All	1975						21.2	20.7										20.7
VW	Truck	All	1976							19.9										19.9
VW	Truck	All	1977							22.2										22.2
VW	Truck	All	1978							20.0										20.0
VW	Truck	All	1979							18.7										18.7
VW	Truck	All	1980			32.0	23.7			19.2	18.4									25.2
VW	Truck	All	1981			41.5	28.5			18.8	18.0									29.5
VW	Truck	All	1982			43.5	29.9			21.8	21.4									27.8
VW	Truck	All	1983			43.9	30.3			19.5	18.6									20.3
VW	Truck	All	1984							20.9	20.1									20.7
VW	Truck	All	1985							21.5	20.9									21.3
VW	Truck	All	1986							20.3	18.4									19.2
VW	Truck	All	1987							20.3	18.3									18.9
VW	Truck	All	1988							20.3	19.7									19.9
VW	Truck	All	1989								21.1	18.6								20.8
VW	Truck	All	1990								20.9	18.5								20.8
VW	Truck	All	1991								21.0	18.5								20.9
VW	Truck	All	1992																	
VW	Truck	All	1993								21.3	20.3								21.0
VW	Truck	All	1994								21.0	19.4								20.1
VW	Truck	All	1995										19.6							19.6
VW	Truck	All	1996																	
VW	Truck	All	1997									20.1		18.5						18.5
VW	Truck	All	1998																	
VW	Truck	All	1999									19.5		18.5						19.1
VW	Truck	All	2000									19.7		18.5						19.0
VW	Truck	All	2001									21.0		20.0						20.7
VW	Truck	All	2002									21.0		20.0						20.9
VW	Truck	All	2003									20.9		18.4						20.2
VW	Truck	All	2004										19.6	18.6	22.8					18.7
VW	Truck	All	2005										19.6	19.0						19.1
VW	Truck	All	2006										19.6	18.9	21.7					19.1
VW	Truck	All	2007											19.8	18.2					19.5
VW	Truck	All	2008										20.7	20.5	18.0					20.1
VW	*Truck*	*All*	*2009*								*26.7*	*25.7*	*20.7*	*20.8*	*20.4*					*23.5*
VW	*Truck*	*All*	*2010*								*26.7*	*25.7*	*20.7*	*21.4*	*23.3*					*24.8*
VW	*Truck*	*All*	*2011*								*28.0*	*27.6*	*24.5*	*24.5*	*25.2*					*26.6*
VW	*Truck*	*All*	*2012*								*30.8*	*27.5*	*25.4*	*24.6*	*24.6*					*26.9*
VW	*Truck*	*All*	*2013*								*29.6*	*29.1*	*25.7*	*23.5*	*24.9*					*27.1*

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*Truck*	*All*	*2014*								*29.3*	*29.3*	*25.8*	*23.2*	*28.1*					*27.2*
VW	*Truck*	*All*	*2015*								*29.2*	*28.3*	*27.6*	*23.0*	*28.8*					*27.0*
VW	*Truck*	*All*	*2016*								*28.9*	*28.2*	*26.2*	*30.1*						*28.1*
VW	Truck	All	2017								27.8	28.0	26.9	24.9						27.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	All	All	1975			27.4	26.1	19.5	21.6	18.6										26.4
VW	All	All	1976			28.5	27.0	20.7	21.0	19.9										27.4
VW	All	All	1977			30.5	28.5	17.8	20.5	22.2										28.8
VW	All	All	1978			30.4	25.8		19.5	17.8										27.1
VW	All	All	1979			31.5	27.8		19.7	17.7										28.0
VW	All	All	1980			33.5	30.8	22.9	22.2	19.3	18.4									30.5
VW	All	All	1981			39.1	31.8	25.4	23.0	18.7	18.0									33.5
VW	All	All	1982			38.8	33.7	28.5	22.1	21.2	21.4									32.2
VW	All	All	1983			33.7	32.5	30.3	24.0	19.6	18.6									28.8
VW	All	All	1984			35.4	30.8	26.0	23.5	21.1	20.1									27.7
VW	All	All	1985				33.8	26.4	23.7	21.8	20.9									28.8
VW	All	All	1986				32.9	26.0	23.7	22.3	18.4									28.5
VW	All	All	1987				31.8	27.8	24.4	21.8	18.4		11.5	10.8						27.7
VW	All	All	1988				31.4	30.6	25.2	21.4	20.0		12.4	12.2						29.4
VW	All	All	1989				31.1	31.4	24.0	22.6	20.9	18.6	12.4	12.8						29.1
VW	All	All	1990				31.8	30.9	27.0	24.3	20.2	18.5		12.9						27.9
VW	All	All	1991				32.6	31.8	26.5	24.1	21.0	18.5		12.9						28.5
VW	All	All	1992				32.7	31.3	26.6	24.7	22.0			14.5						28.7
VW	All	All	1993				32.7	30.7	27.5	23.7	21.6	20.3		14.1						25.5
VW	All	All	1994					31.0	29.1	23.7	22.2	19.4				13.6				27.7
VW	All	All	1995					31.7	29.9	23.8	23.2		19.6							28.0
VW	All	All	1996					30.1	29.0	25.5	24.0			15.4	14.9					27.8
VW	All	All	1997					31.1	29.3	25.2	23.8	20.1		18.0	14.9					28.0
VW	All	All	1998					31.0	29.9	26.9	23.3			15.0	14.9					28.4
VW	All	All	1999						29.7	26.5	23.2	19.5	16.0	18.0						27.8
VW	All	All	2000						30.5	26.2	23.0	20.8		18.5	15.0					28.1
VW	All	All	2001						30.8	26.5	22.9	20.9		20.0	15.0	15.2				27.7
VW	All	All	2002						31.1	28.8	24.4	20.6		20.0	14.5	15.2				28.5
VW	All	All	2003						32.0	29.2	25.5	21.3		18.4	13.8	15.2				28.9
VW	All	All	2004						32.1	28.8	25.2	22.5	19.6	18.6	20.0					26.1
VW	All	All	2005						31.6	29.8	26.4	22.4	19.6	18.7	13.8					26.5
VW	All	All	2006						31.3	31.0	27.4	23.3	19.6	18.8	16.2					28.4
VW	All	All	2007						30.4	29.1	28.6	23.5	19.1	19.6	16.9	14.3				27.3
VW	All	All	2008						30.6	29.7	27.9	23.1	19.4	20.4	17.3	14.4				27.3
VW	*All*	*All*	*2009*						*30.4*	*32.1*	*28.4*	*25.5*	*19.3*	*20.7*	*19.1*	*14.5*				*29.4*
VW	*All*	*All*	*2010*						*30.6*	*34.7*	*28.9*	*25.6*	*17.7*	*21.2*	*21.3*	*14.5*				*31.2*
VW	*All*	*All*	*2011*						*33.1*	*35.4*	*29.2*	*26.6*	*24.5*	*24.3*	*23.6*					*31.4*
VW	*All*	*All*	*2012*						*33.2*	*34.4*	*29.9*	*27.2*	*25.4*	*22.9*	*22.7*					*31.9*
VW	*All*	*All*	*2013*						*33.1*	*34.9*	*30.0*	*27.9*	*25.5*	*23.2*	*23.7*	*15.8*				*32.2*

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
VW	*All*	*All*	*2014*						*33.2*	*37.2*	*29.6*	*28.9*	*26.2*	*23.1*	*24.1*	*15.8*				*32.7*
VW	*All*	*All*	*2015*						*35.0*	*38.3*	*32.0*	*28.3*	*28.1*	*23.0*	*26.6*	*15.8*				*33.8*
VW	*All*	*All*	*2016*						*44.8*	*38.6*	*30.9*	*28.8*	*26.4*	*29.5*	*20.2*	*17.2*				*33.8*
VW	All	All	2017						44.8	37.8	31.0	28.7	26.8	24.3	19.3	17.1				33.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Car	Car	1975			27.1	25.5													26.5
Subaru	Car	Car	1976			31.6	27.9													29.7
Subaru	Car	Car	1977			30.3	29.9													30.2
Subaru	Car	Car	1978			32.9	27.5													29.9
Subaru	Car	Car	1979			32.4	28.0													29.5
Subaru	Car	Car	1980			31.7	26.2													28.1
Subaru	Car	Car	1981			34.8	29.3													31.3
Subaru	Car	Car	1982			35.8	32.3	28.2												31.7
Subaru	Car	Car	1983			34.7	32.3	28.7												31.3
Subaru	Car	Car	1984			36.8	32.5	28.8												31.1
Subaru	Car	Car	1985			36.1	32.1	29.2	26.7											30.5
Subaru	Car	Car	1986			37.2	31.8	29.1	28.0											30.1
Subaru	Car	Car	1987		46.0	36.7	31.0	29.1	26.8											29.5
Subaru	Car	Car	1988		41.6		31.5	30.2	27.3											31.4
Subaru	Car	Car	1989		41.6	38.6	31.0	30.0	27.7											31.5
Subaru	Car	Car	1990		41.8	36.7	30.3	29.3	28.1	26.2										28.0
Subaru	Car	Car	1991		41.8	36.8	33.7	29.5	28.2	26.1										28.2
Subaru	Car	Car	1992		41.9	37.7	32.8	29.0	29.5	27.0	23.6									28.1
Subaru	Car	Car	1993		41.4	35.8	32.8	30.2	29.3	27.2	23.5									29.2
Subaru	Car	Car	1994		41.4	39.8	31.8	30.3	29.0	26.6	23.4									28.2
Subaru	Car	Car	1995					30.9	28.9	27.9	23.5									28.5
Subaru	Car	Car	1996					30.8	28.9	26.8	23.3									27.4
Subaru	Car	Car	1997					31.1	29.9	27.1	23.3									28.0
Subaru	Car	Car	1998						29.8	27.2										27.8
Subaru	Car	Car	1999						29.3	27.2										27.6
Subaru	Car	Car	2000						29.0	27.8	27.2									28.0
Subaru	Car	Car	2001						28.8	27.9	27.5									27.7
Subaru	Car	Car	2002						27.0	27.2	27.2									27.2
Subaru	Car	Car	2003						27.4	27.4	27.1									27.3
Subaru	Car	Car	2004						27.6	26.7	27.1									26.9
Subaru	Car	Car	2005						29.9	27.9	24.7									27.3
Subaru	Car	Car	2006							28.3	25.1									28.0
Subaru	Car	Car	2007							28.6	25.6									28.4
Subaru	Car	Car	2008							29.0	25.9									28.7
Subaru	Car	Car	2009							29.0	25.9									28.9
Subaru	Car	Car	2010							30.4	26.2									30.2
Subaru	Car	Car	2011							30.4	26.2									30.2
Subaru	Car	Car	2012						39.1	35.1	26.4									35.2
Subaru	Car	Car	2013						36.6	35.7	26.4									35.7

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Car	Car	2014						34.4	36.5	26.4									36.1
Subaru	Car	Car	2015						34.7	37.1	37.2									37.0
Subaru	Car	Car	2016						35.3	37.1	35.3									36.7
Subaru	Car	Car	2017						33.2	39.3	37.2									38.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Car	All	1975			27.1	25.5													26.5
Subaru	Car	All	1976			31.6	27.9													29.7
Subaru	Car	All	1977			30.3	29.9													30.2
Subaru	Car	All	1978			32.9	27.5													29.9
Subaru	Car	All	1979			32.4	28.0													29.5
Subaru	Car	All	1980			31.7	26.2													28.1
Subaru	Car	All	1981			34.8	29.3													31.3
Subaru	Car	All	1982			35.8	32.3	28.2												31.7
Subaru	Car	All	1983			34.7	32.3	28.7												31.3
Subaru	Car	All	1984			36.8	32.5	28.8												31.1
Subaru	Car	All	1985			36.1	32.1	29.2	26.7											30.5
Subaru	Car	All	1986			37.2	31.8	29.1	28.0											30.1
Subaru	Car	All	1987		46.0	36.7	31.0	29.1	26.8											29.5
Subaru	Car	All	1988		41.6		31.5	30.2	27.3											31.4
Subaru	Car	All	1989		41.6	38.6	31.0	30.0	27.7											31.5
Subaru	Car	All	1990		41.8	36.7	30.3	29.3	28.1	26.2										28.0
Subaru	Car	All	1991		41.8	36.8	33.7	29.5	28.2	26.1										28.2
Subaru	Car	All	1992		41.9	37.7	32.8	29.0	29.5	27.0	23.6									28.1
Subaru	Car	All	1993		41.4	35.8	32.8	30.2	29.3	27.2	23.5									29.2
Subaru	Car	All	1994		41.4	39.8	31.8	30.3	29.0	26.6	23.4									28.2
Subaru	Car	All	1995					30.9	28.9	27.9	23.5									28.5
Subaru	Car	All	1996					30.8	28.9	26.8	23.3									27.4
Subaru	Car	All	1997					31.1	29.9	27.1	23.3									28.0
Subaru	Car	All	1998						29.8	27.2										27.8
Subaru	Car	All	1999						29.3	27.2										27.6
Subaru	Car	All	2000						29.0	27.8	27.2									28.0
Subaru	Car	All	2001						28.8	27.9	27.5									27.7
Subaru	Car	All	2002						27.0	27.2	27.2									27.2
Subaru	Car	All	2003						27.4	27.4	27.1									27.3
Subaru	Car	All	2004						27.6	26.7	27.1									26.9
Subaru	Car	All	2005						29.9	27.9	24.7									27.3
Subaru	Car	All	2006							28.3	25.1									28.0
Subaru	Car	All	2007							28.6	25.6									28.4
Subaru	Car	All	2008							29.0	25.9									28.7
Subaru	Car	All	2009							29.0	25.9									28.9
Subaru	Car	All	2010							30.4	26.2									30.2
Subaru	Car	All	2011							30.4	26.2									30.2
Subaru	Car	All	2012						39.1	35.1	26.4									35.2
Subaru	Car	All	2013						36.6	35.7	26.4									35.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Car	All	2014						34.4	36.5	26.4									36.1
Subaru	Car	All	2015						34.7	37.1	37.2									37.0
Subaru	Car	All	2016						35.3	37.1	35.3									36.7
Subaru	Car	All	2017						33.2	39.3	37.2									38.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	Truck SUV	1975																	
Subaru	Truck	Truck SUV	1976																	
Subaru	Truck	Truck SUV	1977																	
Subaru	Truck	Truck SUV	1978																	
Subaru	Truck	Truck SUV	1979																	
Subaru	Truck	Truck SUV	1980																	
Subaru	Truck	Truck SUV	1981																	
Subaru	Truck	Truck SUV	1982																	
Subaru	Truck	Truck SUV	1983																	
Subaru	Truck	Truck SUV	1984																	
Subaru	Truck	Truck SUV	1985																	
Subaru	Truck	Truck SUV	1986																	
Subaru	Truck	Truck SUV	1987																	
Subaru	Truck	Truck SUV	1988																	
Subaru	Truck	Truck SUV	1989																	
Subaru	Truck	Truck SUV	1990																	
Subaru	Truck	Truck SUV	1991																	
Subaru	Truck	Truck SUV	1992																	
Subaru	Truck	Truck SUV	1993																	
Subaru	Truck	Truck SUV	1994																	
Subaru	Truck	Truck SUV	1995																	
Subaru	Truck	Truck SUV	1996																	
Subaru	Truck	Truck SUV	1997																	
Subaru	Truck	Truck SUV	1998							26.8										26.8
Subaru	Truck	Truck SUV	1999							27.0										27.0
Subaru	Truck	Truck SUV	2000							27.8										27.8
Subaru	Truck	Truck SUV	2001							27.9										27.9
Subaru	Truck	Truck SUV	2002							28.0										28.0
Subaru	Truck	Truck SUV	2003							27.5										27.5
Subaru	Truck	Truck SUV	2004							27.1										27.1
Subaru	Truck	Truck SUV	2005							28.6										28.6
Subaru	Truck	Truck SUV	2006							28.8		23.0								26.4
Subaru	Truck	Truck SUV	2007							28.7		23.0								27.3
Subaru	Truck	Truck SUV	2008							28.9		23.2								26.4
Subaru	Truck	Truck SUV	2009							28.9		23.2								28.4
Subaru	Truck	Truck SUV	2010							28.9	31.1	23.4								29.6
Subaru	Truck	Truck SUV	2011							30.1	30.8	23.4								30.4
Subaru	Truck	Truck SUV	2012							30.2	30.9	23.4								30.5
Subaru	Truck	Truck SUV	2013							33.4	33.5	23.4								33.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	Truck SUV	2014							36.4	33.8	23.4								35.4
Subaru	Truck	Truck SUV	2015							36.6	36.1									36.4
Subaru	Truck	Truck SUV	2016							36.9	36.0									36.5
Subaru	Truck	Truck SUV	2017							37.7	35.7									36.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	Pickup	1975																	
Subaru	Truck	Pickup	1976																	
Subaru	Truck	Pickup	1977																	
Subaru	Truck	Pickup	1978				27.2													27.2
Subaru	Truck	Pickup	1979				27.5													27.5
Subaru	Truck	Pickup	1980				26.0													26.0
Subaru	Truck	Pickup	1981				28.4													28.4
Subaru	Truck	Pickup	1982				29.8													29.8
Subaru	Truck	Pickup	1983				29.6	26.6												29.5
Subaru	Truck	Pickup	1984				29.9	26.5												29.7
Subaru	Truck	Pickup	1985				29.6													29.6
Subaru	Truck	Pickup	1986				30.0													30.0
Subaru	Truck	Pickup	1987				29.8													29.8
Subaru	Truck	Pickup	1988																	
Subaru	Truck	Pickup	1989																	
Subaru	Truck	Pickup	1990																	
Subaru	Truck	Pickup	1991																	
Subaru	Truck	Pickup	1992																	
Subaru	Truck	Pickup	1993																	
Subaru	Truck	Pickup	1994																	
Subaru	Truck	Pickup	1995																	
Subaru	Truck	Pickup	1996																	
Subaru	Truck	Pickup	1997																	
Subaru	Truck	Pickup	1998																	
Subaru	Truck	Pickup	1999																	
Subaru	Truck	Pickup	2000																	
Subaru	Truck	Pickup	2001																	
Subaru	Truck	Pickup	2002																	
Subaru	Truck	Pickup	2003							25.7	26.6									26.3
Subaru	Truck	Pickup	2004								25.4									25.4
Subaru	Truck	Pickup	2005								25.8									25.8
Subaru	Truck	Pickup	2006							29.0	26.5									26.9
Subaru	Truck	Pickup	2007																	
Subaru	Truck	Pickup	2008																	
Subaru	Truck	Pickup	2009																	
Subaru	Truck	Pickup	2010																	
Subaru	Truck	Pickup	2011																	
Subaru	Truck	Pickup	2012																	
Subaru	Truck	Pickup	2013																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	Pickup	2014																	
Subaru	Truck	Pickup	2015																	
Subaru	Truck	Pickup	2016																	
Subaru	Truck	Pickup	2017																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	All	1975																	
Subaru	Truck	All	1976																	
Subaru	Truck	All	1977																	
Subaru	Truck	All	1978				27.2													27.2
Subaru	Truck	All	1979				27.5													27.5
Subaru	Truck	All	1980				26.0													26.0
Subaru	Truck	All	1981				28.4													28.4
Subaru	Truck	All	1982				29.8													29.8
Subaru	Truck	All	1983				29.6	26.6												29.5
Subaru	Truck	All	1984				29.9	26.5												29.7
Subaru	Truck	All	1985				29.6													29.6
Subaru	Truck	All	1986				30.0													30.0
Subaru	Truck	All	1987				29.8													29.8
Subaru	Truck	All	1988																	
Subaru	Truck	All	1989																	
Subaru	Truck	All	1990																	
Subaru	Truck	All	1991																	
Subaru	Truck	All	1992																	
Subaru	Truck	All	1993																	
Subaru	Truck	All	1994																	
Subaru	Truck	All	1995																	
Subaru	Truck	All	1996																	
Subaru	Truck	All	1997																	
Subaru	Truck	All	1998							26.8										26.8
Subaru	Truck	All	1999							27.0										27.0
Subaru	Truck	All	2000							27.8										27.8
Subaru	Truck	All	2001							27.9										27.9
Subaru	Truck	All	2002							28.0										28.0
Subaru	Truck	All	2003							27.4	26.6									27.3
Subaru	Truck	All	2004							27.1	25.4									27.1
Subaru	Truck	All	2005							28.6	25.8									28.2
Subaru	Truck	All	2006							28.8	26.5	23.0								26.5
Subaru	Truck	All	2007							28.7		23.0								27.3
Subaru	Truck	All	2008							28.9		23.2								26.4
Subaru	Truck	All	2009							28.9		23.2								28.4
Subaru	Truck	All	2010							28.9	31.1	23.4								29.6
Subaru	Truck	All	2011							30.1	30.8	23.4								30.4
Subaru	Truck	All	2012							30.2	30.9	23.4								30.5
Subaru	Truck	All	2013							33.4	33.5	23.4								33.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	Truck	All	2014							36.4	33.8	23.4								35.4
Subaru	Truck	All	2015							36.6	36.1									36.4
Subaru	Truck	All	2016							36.9	36.0									36.5
Subaru	Truck	All	2017							37.7	35.7									36.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	All	All	1975			27.1	25.5													26.5
Subaru	All	All	1976			31.6	27.9													29.7
Subaru	All	All	1977			30.3	29.9													30.2
Subaru	All	All	1978			32.9	27.4													29.3
Subaru	All	All	1979			32.4	27.8													28.9
Subaru	All	All	1980			31.7	26.2													27.9
Subaru	All	All	1981			34.8	29.1													30.9
Subaru	All	All	1982			35.8	32.1	28.2												31.6
Subaru	All	All	1983			34.7	32.2	28.7												31.2
Subaru	All	All	1984			36.8	32.3	28.8												31.1
Subaru	All	All	1985			36.1	31.9	29.2	26.7											30.5
Subaru	All	All	1986			37.2	31.7	29.1	28.0											30.1
Subaru	All	All	1987		46.0	36.7	30.9	29.1	26.8											29.5
Subaru	All	All	1988		41.6		31.5	30.2	27.3											31.4
Subaru	All	All	1989		41.6	38.6	31.0	30.0	27.7											31.5
Subaru	All	All	1990		41.8	36.7	30.3	29.3	28.1	26.2										28.0
Subaru	All	All	1991		41.8	36.8	33.7	29.5	28.2	26.1										28.2
Subaru	All	All	1992		41.9	37.7	32.8	29.0	29.5	27.0	23.6									28.1
Subaru	All	All	1993		41.4	35.8	32.8	30.2	29.3	27.2	23.5									29.2
Subaru	All	All	1994		41.4	39.8	31.8	30.3	29.0	26.6	23.4									28.2
Subaru	All	All	1995					30.9	28.9	27.9	23.5									28.5
Subaru	All	All	1996					30.8	28.9	26.8	23.3									27.4
Subaru	All	All	1997					31.1	29.9	27.1	23.3									28.0
Subaru	All	All	1998						29.8	27.0										27.5
Subaru	All	All	1999						29.3	27.2										27.4
Subaru	All	All	2000						29.0	27.8	27.2									28.0
Subaru	All	All	2001						28.8	27.9	27.5									27.8
Subaru	All	All	2002						27.0	27.5	27.2									27.4
Subaru	All	All	2003						27.4	27.4	27.0									27.3
Subaru	All	All	2004						27.6	26.9	27.0									27.0
Subaru	All	All	2005						29.9	28.1	25.0									27.6
Subaru	All	All	2006							28.5	25.6	23.0								27.3
Subaru	All	All	2007							28.6	25.6	23.0								28.0
Subaru	All	All	2008							28.9	25.9	23.2								28.1
Subaru	All	All	2009							29.0	25.9	23.2								28.7
Subaru	All	All	2010							29.4	30.9	23.4								29.7
Subaru	All	All	2011							30.3	30.6	23.4								30.4
Subaru	All	All	2012						39.1	32.8	30.7	23.4								32.2
Subaru	All	All	2013						36.6	34.6	33.3	23.4								34.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Subaru	All	All	2014						34.4	36.4	33.7	23.4								35.5
Subaru	All	All	2015						34.7	36.7	36.2									36.5
Subaru	All	All	2016						35.3	36.9	35.9									36.6
Subaru	All	All	2017						33.2	38.2	36.1									37.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	Car	1975				24.5	15.9	15.7											17.1
Mazda	Car	Car	1976				29.8	21.5	20.2											21.9
Mazda	Car	Car	1977			36.5	29.9	22.0	22.4											29.3
Mazda	Car	Car	1978			36.3	22.5		20.3											35.5
Mazda	Car	Car	1979			33.5	31.4	21.6												25.6
Mazda	Car	Car	1980			32.8	28.7	23.0												26.0
Mazda	Car	Car	1981		38.5	35.1	25.3	31.0												31.1
Mazda	Car	Car	1982			37.2	24.4	29.4												29.4
Mazda	Car	Car	1983			38.6	24.2	30.5												28.9
Mazda	Car	Car	1984			37.4	23.0	29.9												30.0
Mazda	Car	Car	1985			37.2	22.7	30.0												29.7
Mazda	Car	Car	1986			33.4	33.2	29.7	24.0											29.4
Mazda	Car	Car	1987			34.0	33.4	31.0	23.5											29.2
Mazda	Car	Car	1988			33.1	32.7		27.3	23.8										28.4
Mazda	Car	Car	1989			33.2	32.6		28.7	24.0										29.5
Mazda	Car	Car	1990				32.6	32.6	28.9	23.0	22.9									29.9
Mazda	Car	Car	1991				32.7	32.6	29.1	23.0	22.9									30.2
Mazda	Car	Car	1992				33.2	31.8	29.5	22.7	24.4									30.5
Mazda	Car	Car	1993				33.3	32.3	28.4		24.4									30.1
Mazda	Car	Car	1994				29.7	32.8	28.9		24.4									30.3
Mazda	Car	Car	1995				30.1	35.8	29.7	26.1	24.4									30.6
Mazda	Car	Car	1996				29.4	36.3	30.1	26.0										31.5
Mazda	Car	Car	1997				29.5	34.1	30.3	26.0										30.8
Mazda	Car	Car	1998					33.7	29.4	26.2										30.0
Mazda	Car	Car	1999				31.1	33.6	29.1	26.2										30.2
Mazda	Car	Car	2000				31.1	33.2	28.5	26.3										30.0
Mazda	Car	Car	2001					31.8	29.6	26.1										29.3
Mazda	Car	Car	2002					29.2	30.6	26.1										29.6
Mazda	Car	Car	2003					29.1	31.6	27.9										30.0
Mazda	Car	Car	2004					27.9	32.1	25.9		22.5								28.0
Mazda	Car	Car	2005					28.2	32.2	27.2										29.5
Mazda	Car	Car	2006					30.6	33.4	27.9	24.9									30.3
Mazda	Car	Car	2007					30.2	33.3	28.7	24.9									31.0
Mazda	Car	Car	2008					30.0	33.5	29.8										32.0
Mazda	Car	Car	2009					31.1	33.5	30.6	25.6									31.2
Mazda	Car	Car	2010					31.0	35.8	31.8	25.8									33.4
Mazda	Car	Car	2011				39.9	31.0	36.0	32.0	26.3									34.5
Mazda	Car	Car	2012				41.2	31.1	41.1	32.0	26.2									37.8
Mazda	Car	Car	2013				41.1	31.0	41.1	30.6	26.1									38.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	Car	2014				41.1	31.0	45.2	40.3										42.4
Mazda	Car	Car	2015					30.9	45.3	40.6										42.9
Mazda	Car	Car	2016				40.5	40.7	44.4	40.8										42.9
Mazda	Car	Car	2017				40.6	40.1	42.3	39.5										40.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	Car SUV	1975																	
Mazda	Car	Car SUV	1976																	
Mazda	Car	Car SUV	1977																	
Mazda	Car	Car SUV	1978																	
Mazda	Car	Car SUV	1979																	
Mazda	Car	Car SUV	1980																	
Mazda	Car	Car SUV	1981																	
Mazda	Car	Car SUV	1982																	
Mazda	Car	Car SUV	1983																	
Mazda	Car	Car SUV	1984																	
Mazda	Car	Car SUV	1985																	
Mazda	Car	Car SUV	1986																	
Mazda	Car	Car SUV	1987																	
Mazda	Car	Car SUV	1988																	
Mazda	Car	Car SUV	1989																	
Mazda	Car	Car SUV	1990																	
Mazda	Car	Car SUV	1991																	
Mazda	Car	Car SUV	1992								21.4									21.4
Mazda	Car	Car SUV	1993								21.8									21.8
Mazda	Car	Car SUV	1994								21.4									21.4
Mazda	Car	Car SUV	1995																	
Mazda	Car	Car SUV	1996																	
Mazda	Car	Car SUV	1997																	
Mazda	Car	Car SUV	1998																	
Mazda	Car	Car SUV	1999																	
Mazda	Car	Car SUV	2000																	
Mazda	Car	Car SUV	2001							24.6										24.6
Mazda	Car	Car SUV	2002							25.1										25.1
Mazda	Car	Car SUV	2003							25.2										25.2
Mazda	Car	Car SUV	2004							25.2										25.2
Mazda	Car	Car SUV	2005							26.5										26.5
Mazda	Car	Car SUV	2006							27.2										27.2
Mazda	Car	Car SUV	2007								24.2									24.2
Mazda	Car	Car SUV	2008							28.5	25.1									26.6
Mazda	Car	Car SUV	2009							29.8	25.7									26.9
Mazda	Car	Car SUV	2010							29.9	26.7									29.4
Mazda	Car	Car SUV	2011							29.9	26.7									29.7
Mazda	Car	Car SUV	2012								29.5									29.5
Mazda	Car	Car SUV	2013							38.5										38.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	Car SUV	2014							36.9										36.9
Mazda	Car	Car SUV	2015							36.8										36.8
Mazda	Car	Car SUV	2016							38.9										38.9
Mazda	Car	Car SUV	2017								36.6									36.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	All	1975				24.5	15.9	15.7											17.1
Mazda	Car	All	1976				29.8	21.5	20.2											21.9
Mazda	Car	All	1977			36.5	29.9	22.0	22.4											29.3
Mazda	Car	All	1978			36.3	22.5		20.3											35.5
Mazda	Car	All	1979			33.5	31.4	21.6												25.6
Mazda	Car	All	1980			32.8	28.7	23.0												26.0
Mazda	Car	All	1981		38.5	35.1	25.3	31.0												31.1
Mazda	Car	All	1982			37.2	24.4	29.4												29.4
Mazda	Car	All	1983			38.6	24.2	30.5												28.9
Mazda	Car	All	1984			37.4	23.0	29.9												30.0
Mazda	Car	All	1985			37.2	22.7	30.0												29.7
Mazda	Car	All	1986			33.4	33.2	29.7	24.0											29.4
Mazda	Car	All	1987			34.0	33.4	31.0	23.5											29.2
Mazda	Car	All	1988			33.1	32.7		27.3	23.8										28.4
Mazda	Car	All	1989			33.2	32.6		28.7	24.0										29.5
Mazda	Car	All	1990				32.6	32.6	28.9	23.0	22.9									29.9
Mazda	Car	All	1991				32.7	32.6	29.1	23.0	22.9									30.2
Mazda	Car	All	1992				33.2	31.8	29.5	22.7	24.0									30.2
Mazda	Car	All	1993				33.3	32.3	28.4		24.2									30.0
Mazda	Car	All	1994				29.7	32.8	28.9		23.9									30.2
Mazda	Car	All	1995				30.1	35.8	29.7	26.1	24.4									30.6
Mazda	Car	All	1996				29.4	36.3	30.1	26.0										31.5
Mazda	Car	All	1997				29.5	34.1	30.3	26.0										30.8
Mazda	Car	All	1998					33.7	29.4	26.2										30.0
Mazda	Car	All	1999				31.1	33.6	29.1	26.2										30.2
Mazda	Car	All	2000				31.1	33.2	28.5	26.3										30.0
Mazda	Car	All	2001					31.8	29.6	25.4										28.4
Mazda	Car	All	2002					29.2	30.6	25.7										28.9
Mazda	Car	All	2003					29.1	31.6	27.0										29.2
Mazda	Car	All	2004					27.9	32.1	25.8		22.5								27.8
Mazda	Car	All	2005					28.2	32.2	27.0										29.0
Mazda	Car	All	2006					30.6	33.4	27.7	24.9									30.0
Mazda	Car	All	2007					30.2	33.3	28.7	24.2									29.9
Mazda	Car	All	2008					30.0	33.5	29.5	25.1									30.9
Mazda	Car	All	2009					31.1	33.5	30.5	25.6									30.7
Mazda	Car	All	2010					31.0	35.8	31.3	26.3									32.8
Mazda	Car	All	2011				39.9	31.0	36.0	31.1	26.5									33.4
Mazda	Car	All	2012				41.2	31.1	41.1	32.0	29.0									37.4
Mazda	Car	All	2013				41.1	31.0	41.1	35.3	26.1									38.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Car	All	2014				41.1	31.0	45.2	38.7										41.0
Mazda	Car	All	2015					30.9	45.3	39.0										41.4
Mazda	Car	All	2016				40.5	40.7	44.4	39.7										41.6
Mazda	Car	All	2017				40.6	40.1	42.3	39.5	36.6									40.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Van	1975																	
Mazda	Truck	Van	1976																	
Mazda	Truck	Van	1977																	
Mazda	Truck	Van	1978																	
Mazda	Truck	Van	1979																	
Mazda	Truck	Van	1980																	
Mazda	Truck	Van	1981																	
Mazda	Truck	Van	1982																	
Mazda	Truck	Van	1983																	
Mazda	Truck	Van	1984																	
Mazda	Truck	Van	1985																	
Mazda	Truck	Van	1986																	
Mazda	Truck	Van	1987																	
Mazda	Truck	Van	1988																	
Mazda	Truck	Van	1989							24.9	22.5									22.5
Mazda	Truck	Van	1990							24.4	20.2									20.2
Mazda	Truck	Van	1991							24.7	20.3									20.3
Mazda	Truck	Van	1992							24.7	21.8	19.1								21.3
Mazda	Truck	Van	1993								21.7	19.1								21.4
Mazda	Truck	Van	1994								21.6	19.5								21.3
Mazda	Truck	Van	1995								21.3	19.4								20.9
Mazda	Truck	Van	1996								21.4	19.2								20.8
Mazda	Truck	Van	1997								21.4	19.2								20.5
Mazda	Truck	Van	1998								21.3	19.2								20.0
Mazda	Truck	Van	1999																	
Mazda	Truck	Van	2000								23.1									23.1
Mazda	Truck	Van	2001								23.2									23.2
Mazda	Truck	Van	2002								23.7									23.7
Mazda	Truck	Van	2003								23.8									23.8
Mazda	Truck	Van	2004								23.7									23.7
Mazda	Truck	Van	2005								23.7									23.7
Mazda	Truck	Van	2006								23.6									23.6
Mazda	Truck	Van	2007																	
Mazda	Truck	Van	2008							30.7										30.7
Mazda	Truck	Van	2009							30.3										30.3
Mazda	Truck	Van	2010							30.7										30.7
Mazda	Truck	Van	2011																	
Mazda	Truck	Van	2012							32.3										32.3
Mazda	Truck	Van	2013							32.2										32.2

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Van	2014							32.3										32.3
Mazda	Truck	Van	2015							32.4										32.4
Mazda	Truck	Van	2016																	
Mazda	Truck	Van	2017																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Truck SUV	1975																	
Mazda	Truck	Truck SUV	1976																	
Mazda	Truck	Truck SUV	1977																	
Mazda	Truck	Truck SUV	1978																	
Mazda	Truck	Truck SUV	1979																	
Mazda	Truck	Truck SUV	1980																	
Mazda	Truck	Truck SUV	1981																	
Mazda	Truck	Truck SUV	1982																	
Mazda	Truck	Truck SUV	1983																	
Mazda	Truck	Truck SUV	1984																	
Mazda	Truck	Truck SUV	1985																	
Mazda	Truck	Truck SUV	1986																	
Mazda	Truck	Truck SUV	1987																	
Mazda	Truck	Truck SUV	1988																	
Mazda	Truck	Truck SUV	1989																	
Mazda	Truck	Truck SUV	1990																	
Mazda	Truck	Truck SUV	1991								21.3	20.0								20.5
Mazda	Truck	Truck SUV	1992									20.5								20.5
Mazda	Truck	Truck SUV	1993									20.6								20.6
Mazda	Truck	Truck SUV	1994								21.2	20.1								20.3
Mazda	Truck	Truck SUV	1995																	
Mazda	Truck	Truck SUV	1996																	
Mazda	Truck	Truck SUV	1997																	
Mazda	Truck	Truck SUV	1998																	
Mazda	Truck	Truck SUV	1999																	
Mazda	Truck	Truck SUV	2000																	
Mazda	Truck	Truck SUV	2001							23.6										23.6
Mazda	Truck	Truck SUV	2002							23.8										23.8
Mazda	Truck	Truck SUV	2003							23.6										23.6
Mazda	Truck	Truck SUV	2004							23.7										23.7
Mazda	Truck	Truck SUV	2005							25.1	23.8									24.0
Mazda	Truck	Truck SUV	2006							26.6	24.1									24.8
Mazda	Truck	Truck SUV	2007								23.7	22.5								23.2
Mazda	Truck	Truck SUV	2008							28.4	24.2	22.9								23.5
Mazda	Truck	Truck SUV	2009								24.4	22.6								23.1
Mazda	Truck	Truck SUV	2010								25.6	22.7								23.2
Mazda	Truck	Truck SUV	2011							29.6	25.1	24.5								24.6
Mazda	Truck	Truck SUV	2012								25.1	24.5								24.5
Mazda	Truck	Truck SUV	2013							36.9		24.5								29.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Truck SUV	2014							36.8	34.8	24.5								31.2
Mazda	Truck	Truck SUV	2015							36.8	34.8	24.6								31.5
Mazda	Truck	Truck SUV	2016								34.6	30.6								34.2
Mazda	Truck	Truck SUV	2017								34.4	31.1								33.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Pickup	1975						16.8											16.8
Mazda	Truck	Pickup	1976						18.2											18.2
Mazda	Truck	Pickup	1977						24.5											24.5
Mazda	Truck	Pickup	1978						31.7											31.7
Mazda	Truck	Pickup	1979						30.2											30.2
Mazda	Truck	Pickup	1980					30.2	30.1											30.1
Mazda	Truck	Pickup	1981					30.8	31.1											31.0
Mazda	Truck	Pickup	1982					30.6	32.1											31.6
Mazda	Truck	Pickup	1983					30.8	30.5											30.6
Mazda	Truck	Pickup	1984					29.6	29.8											29.7
Mazda	Truck	Pickup	1985																	
Mazda	Truck	Pickup	1986						27.7											27.7
Mazda	Truck	Pickup	1987						27.2	20.7										26.2
Mazda	Truck	Pickup	1988						26.7	21.9										26.4
Mazda	Truck	Pickup	1989						26.7	22.6										26.2
Mazda	Truck	Pickup	1990						26.8	23.2	21.3									25.9
Mazda	Truck	Pickup	1991						26.8	23.6	21.3									25.6
Mazda	Truck	Pickup	1992						26.8	23.5	21.3									25.6
Mazda	Truck	Pickup	1993						26.8	22.3	21.3									25.9
Mazda	Truck	Pickup	1994						29.8	25.6	21.0									24.5
Mazda	Truck	Pickup	1995							28.0	22.6									26.8
Mazda	Truck	Pickup	1996																	
Mazda	Truck	Pickup	1997																	
Mazda	Truck	Pickup	1998							26.1	21.1									24.8
Mazda	Truck	Pickup	1999							26.0	20.8									24.0
Mazda	Truck	Pickup	2000							25.2	20.7									23.8
Mazda	Truck	Pickup	2001							24.0	20.4									23.1
Mazda	Truck	Pickup	2002							26.2	21.1									23.5
Mazda	Truck	Pickup	2003							28.1	21.7									24.9
Mazda	Truck	Pickup	2004							28.1	21.5									25.0
Mazda	Truck	Pickup	2005							28.1	21.3									25.0
Mazda	Truck	Pickup	2006							28.4	21.6									26.0
Mazda	Truck	Pickup	2007							28.5	21.1									26.2
Mazda	Truck	Pickup	2008							28.5	20.0									26.3
Mazda	Truck	Pickup	2009							30.0	19.0									28.5
Mazda	Truck	Pickup	2010																	
Mazda	Truck	Pickup	2011																	
Mazda	Truck	Pickup	2012																	
Mazda	Truck	Pickup	2013																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	Pickup	2014																	
Mazda	Truck	Pickup	2015																	
Mazda	Truck	Pickup	2016																	
Mazda	Truck	Pickup	2017																	

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	All	1975						16.8											16.8
Mazda	Truck	All	1976						18.2											18.2
Mazda	Truck	All	1977						24.5											24.5
Mazda	Truck	All	1978						31.7											31.7
Mazda	Truck	All	1979						30.2											30.2
Mazda	Truck	All	1980					30.2	30.1											30.1
Mazda	Truck	All	1981					30.8	31.1											31.0
Mazda	Truck	All	1982					30.6	32.1											31.6
Mazda	Truck	All	1983					30.8	30.5											30.6
Mazda	Truck	All	1984					29.6	29.8											29.7
Mazda	Truck	All	1985																	
Mazda	Truck	All	1986						27.7											27.7
Mazda	Truck	All	1987						27.2	20.7										26.2
Mazda	Truck	All	1988						26.7	21.9										26.4
Mazda	Truck	All	1989						26.7	22.6	22.5									25.2
Mazda	Truck	All	1990						26.8	23.2	20.2									23.3
Mazda	Truck	All	1991						26.8	23.6	20.4	20.0								22.8
Mazda	Truck	All	1992						26.8	23.5	21.8	19.6								23.2
Mazda	Truck	All	1993						26.8	22.3	21.7	19.9								23.3
Mazda	Truck	All	1994						29.8	25.6	21.2	19.8								23.6
Mazda	Truck	All	1995							28.0	21.6	19.4								24.4
Mazda	Truck	All	1996								21.4	19.2								20.8
Mazda	Truck	All	1997								21.4	19.2								20.5
Mazda	Truck	All	1998							26.1	21.2	19.2								23.4
Mazda	Truck	All	1999							26.0	20.8									24.0
Mazda	Truck	All	2000							25.2	22.7									23.3
Mazda	Truck	All	2001							23.8	22.7									23.3
Mazda	Truck	All	2002							24.5	22.9									23.7
Mazda	Truck	All	2003							24.9	23.3									24.0
Mazda	Truck	All	2004							24.8	23.4									24.0
Mazda	Truck	All	2005							26.5	23.6									24.0
Mazda	Truck	All	2006							27.5	23.6									24.5
Mazda	Truck	All	2007							28.5	23.6	22.5								23.4
Mazda	Truck	All	2008							30.2	24.1	22.9								24.8
Mazda	Truck	All	2009							30.3	24.3	22.6								26.5
Mazda	Truck	All	2010							30.7	25.6	22.7								25.2
Mazda	Truck	All	2011							29.6	25.1	24.5								24.6
Mazda	Truck	All	2012							32.3	25.1	24.5								27.8
Mazda	Truck	All	2013							35.0		24.5								30.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	Truck	All	2014							33.6	34.8	24.5								31.4
Mazda	Truck	All	2015							32.6	34.8	24.6								31.6
Mazda	Truck	All	2016								34.6	30.6								34.2
Mazda	Truck	All	2017								34.4	31.1								33.3

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	All	All	1975				24.5	15.9	15.8											17.1
Mazda	All	All	1976				29.8	21.5	19.8											21.3
Mazda	All	All	1977			36.5	29.9	22.0	23.0											28.8
Mazda	All	All	1978			36.3	22.5		27.7											35.3
Mazda	All	All	1979			33.5	31.4	21.6	30.2											25.8
Mazda	All	All	1980			32.8	28.7	23.2	30.1											26.2
Mazda	All	All	1981		38.5	35.1	25.3	31.0	31.1											31.1
Mazda	All	All	1982			37.2	24.4	29.6	32.1											29.7
Mazda	All	All	1983			38.6	24.2	30.6	30.5											29.4
Mazda	All	All	1984			37.4	23.0	29.8	29.8											29.9
Mazda	All	All	1985			37.2	22.7	30.0												29.7
Mazda	All	All	1986			33.4	33.2	29.7	26.9											28.7
Mazda	All	All	1987			34.0	33.4	31.0	26.2	20.7										27.7
Mazda	All	All	1988			33.1	32.7		27.1	23.5										27.9
Mazda	All	All	1989			33.2	32.6		27.8	23.6	22.5									27.7
Mazda	All	All	1990				32.6	32.6	28.2	23.1	20.8									27.4
Mazda	All	All	1991				32.7	32.6	28.4	23.5	20.7	20.0								27.1
Mazda	All	All	1992				33.2	31.8	28.2	23.5	22.8	19.6								27.7
Mazda	All	All	1993				33.3	32.3	28.1	22.3	22.6	19.9								28.6
Mazda	All	All	1994				29.7	32.8	29.0	25.6	21.7	19.8								27.5
Mazda	All	All	1995				30.1	35.8	29.7	26.7	22.1	19.4								29.5
Mazda	All	All	1996				29.4	36.3	30.1	26.0	21.4	19.2								30.3
Mazda	All	All	1997				29.5	34.1	30.3	26.0	21.4	19.2								29.8
Mazda	All	All	1998					33.7	29.4	26.1	21.2	19.2								27.9
Mazda	All	All	1999				31.1	33.6	29.1	26.1	20.8									28.9
Mazda	All	All	2000				31.1	33.2	28.5	25.9	22.7									27.6
Mazda	All	All	2001					31.8	29.6	24.6	22.7									26.3
Mazda	All	All	2002					29.2	30.6	25.2	22.9									27.4
Mazda	All	All	2003					29.1	31.6	26.4	23.3									27.4
Mazda	All	All	2004					27.9	32.1	25.7	23.4	22.5								27.0
Mazda	All	All	2005					28.2	32.2	27.0	23.6									27.9
Mazda	All	All	2006					30.6	33.4	27.7	24.0									29.4
Mazda	All	All	2007					30.2	33.3	28.7	24.0	22.5								28.6
Mazda	All	All	2008					30.0	33.5	29.6	24.6	22.9								29.2
Mazda	All	All	2009					31.1	33.5	30.4	25.3	22.6								29.3
Mazda	All	All	2010					31.0	35.8	31.2	26.0	22.7								30.9
Mazda	All	All	2011				39.9	31.0	36.0	31.1	25.7	24.5								31.7
Mazda	All	All	2012				41.2	31.1	41.1	32.1	28.9	24.5								34.6
Mazda	All	All	2013				41.1	31.0	41.1	35.2	26.1	24.5								36.1

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mazda	All	All	2014				41.1	31.0	45.2	38.0	34.8	24.5								37.9
Mazda	All	All	2015					30.9	45.3	38.3	34.8	24.6								38.1
Mazda	All	All	2016				40.5	40.7	44.4	39.7	34.6	30.6								38.8
Mazda	All	All	2017				40.6	40.1	42.3	39.5	35.3	31.1								38.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	Car	1975					22.4		14.6				10.2						17.2
BMW	Car	Car	1976					21.4		16.4				11.3						18.4
BMW	Car	Car	1977					22.6		16.4				11.1						19.8
BMW	Car	Car	1978					21.5		16.3	15.0			10.8						19.2
BMW	Car	Car	1979					21.6		20.0	14.9			10.8						19.5
BMW	Car	Car	1980					28.9		21.3	18.8		11.3	10.7						25.0
BMW	Car	Car	1981					28.9		21.3	19.1		11.0	10.5						25.6
BMW	Car	Car	1982					29.0	24.4	21.2			11.1	10.1						25.4
BMW	Car	Car	1983					29.0	24.4	21.5			11.1	10.9						25.3
BMW	Car	Car	1984				30.7	29.0	26.8	22.5			11.1	11.0						27.0
BMW	Car	Car	1985					29.0	27.7	23.4	20.5		11.1	11.0	10.1					25.4
BMW	Car	Car	1986						27.3	23.2	19.5		11.1	11.0	10.1					25.0
BMW	Car	Car	1987						25.8	22.7	19.4		11.4	10.9	10.4					23.9
BMW	Car	Car	1988						24.2	22.9	18.7	16.2	12.4	12.2	11.8					21.3
BMW	Car	Car	1989						23.1	23.3	20.0	16.5	12.4	12.2						21.7
BMW	Car	Car	1990						23.2	23.4	20.6	16.7		13.3						21.9
BMW	Car	Car	1991					28.2	24.9	23.4	21.8	16.7		13.3						22.8
BMW	Car	Car	1992						28.2	24.3	22.5	16.7		13.9						23.8
BMW	Car	Car	1993						29.0	26.3	23.2	19.5		13.9	13.6					25.0
BMW	Car	Car	1994						29.5	26.5	22.5	18.9		14.0	13.9	13.6				24.9
BMW	Car	Car	1995						29.3	26.5	23.9	22.0		14.1	13.9	13.6				25.1
BMW	Car	Car	1996						30.3	26.7		21.8		15.9						27.1
BMW	Car	Car	1997						28.7	25.7	22.7	22.4		15.1		14.9				25.5
BMW	Car	Car	1998						27.8	25.5	22.8	22.4		15.0		13.8				25.2
BMW	Car	Car	1999						25.8	26.2	23.8	22.6	17.4	14.9						25.2
BMW	Car	Car	2000						25.6	25.8	23.2	22.4	18.3	16.1		15.2				24.6
BMW	Car	Car	2001						26.3	26.0	23.7	22.1	18.2	16.1		15.2				24.7
BMW	Car	Car	2002					35.5	29.6	26.5	24.4	23.6		16.1		15.2				26.0
BMW	Car	Car	2003					35.6	29.6	26.5	24.3	23.6	20.3							26.5
BMW	Car	Car	2004					35.4	30.4	25.9	24.4	23.5	20.3	17.0						26.2
BMW	Car	Car	2005					35.2	31.3	25.7	24.3	23.3	20.3	17.0						26.9
BMW	Car	Car	2006					35.1	32.0	27.7	24.5	23.1	20.4	17.0						27.0
BMW	Car	Car	2007					39.8	35.0	28.3	25.8	22.3	19.6	17.3						27.5
BMW	Car	Car	2008					42.5	36.6	28.5	25.8	22.5	19.6	17.3						27.2
BMW	Car	Car	2009					42.5	38.7	28.2	26.2	21.9	21.5	17.3						28.4
BMW	Car	Car	2010					42.1	37.0	28.1	26.3	23.7	21.3	19.7	17.3					28.5
BMW	Car	Car	2011					41.8	39.2	29.4	27.9	28.4	21.8		19.3					29.1
BMW	Car	Car	2012					41.9	39.2	34.8	30.7	27.7	21.4		19.6					32.2
BMW	Car	Car	2013					41.7	38.9	34.9	32.3	27.5	24.9		18.5	17.4				32.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	Car	2014					44.0	44.4	38.2	34.3	29.1	24.9	19.3	18.5	17.4				34.7
BMW	Car	Car	2015					44.3	41.1	38.3	33.3	29.0	25.1	19.3	18.6	17.4				34.6
BMW	Car	Car	2016					43.0	39.8	37.5	33.3	29.2	25.1	19.3	18.5	17.4				33.9
BMW	Car	Car	2017					43.0	40.4	39.9	34.5	29.6	26.1	18.7	17.9	17.4				35.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	Car SUV	1975																	
BMW	Car	Car SUV	1976																	
BMW	Car	Car SUV	1977																	
BMW	Car	Car SUV	1978																	
BMW	Car	Car SUV	1979																	
BMW	Car	Car SUV	1980																	
BMW	Car	Car SUV	1981																	
BMW	Car	Car SUV	1982																	
BMW	Car	Car SUV	1983																	
BMW	Car	Car SUV	1984																	
BMW	Car	Car SUV	1985																	
BMW	Car	Car SUV	1986																	
BMW	Car	Car SUV	1987																	
BMW	Car	Car SUV	1988																	
BMW	Car	Car SUV	1989																	
BMW	Car	Car SUV	1990																	
BMW	Car	Car SUV	1991																	
BMW	Car	Car SUV	1992																	
BMW	Car	Car SUV	1993																	
BMW	Car	Car SUV	1994																	
BMW	Car	Car SUV	1995																	
BMW	Car	Car SUV	1996																	
BMW	Car	Car SUV	1997																	
BMW	Car	Car SUV	1998																	
BMW	Car	Car SUV	1999																	
BMW	Car	Car SUV	2000																	
BMW	Car	Car SUV	2001																	
BMW	Car	Car SUV	2002																	
BMW	Car	Car SUV	2003																	
BMW	Car	Car SUV	2004																	
BMW	Car	Car SUV	2005																	
BMW	Car	Car SUV	2006																	
BMW	Car	Car SUV	2007																	
BMW	Car	Car SUV	2008																	
BMW	Car	Car SUV	2009																	
BMW	Car	Car SUV	2010																	
BMW	Car	Car SUV	2011																	
BMW	Car	Car SUV	2012																	
BMW	Car	Car SUV	2013																	

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	Car SUV	2014																	
BMW	Car	Car SUV	2015								35.3									35.3
BMW	Car	Car SUV	2016								34.8									34.8
BMW	Car	Car SUV	2017								31.3									31.3

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	All	1975					22.4		14.6				10.2						17.2
BMW	Car	All	1976					21.4		16.4				11.3						18.4
BMW	Car	All	1977					22.6		16.4				11.1						19.8
BMW	Car	All	1978					21.5		16.3	15.0			10.8						19.2
BMW	Car	All	1979					21.6		20.0	14.9			10.8						19.5
BMW	Car	All	1980					28.9		21.3	18.8		11.3	10.7						25.0
BMW	Car	All	1981					28.9		21.3	19.1		11.0	10.5						25.6
BMW	Car	All	1982					29.0	24.4	21.2			11.1	10.1						25.4
BMW	Car	All	1983					29.0	24.4	21.5			11.1	10.9						25.3
BMW	Car	All	1984				30.7	29.0	26.8	22.5			11.1	11.0						27.0
BMW	Car	All	1985					29.0	27.7	23.4	20.5		11.1	11.0	10.1					25.4
BMW	Car	All	1986						27.3	23.2	19.5		11.1	11.0	10.1					25.0
BMW	Car	All	1987						25.8	22.7	19.4		11.4	10.9	10.4					23.9
BMW	Car	All	1988						24.2	22.9	18.7	16.2	12.4	12.2	11.8					21.3
BMW	Car	All	1989						23.1	23.3	20.0	16.5	12.4	12.2						21.7
BMW	Car	All	1990						23.2	23.4	20.6	16.7		13.3						21.9
BMW	Car	All	1991					28.2	24.9	23.4	21.8	16.7		13.3						22.8
BMW	Car	All	1992						28.2	24.3	22.5	16.7		13.9						23.8
BMW	Car	All	1993						29.0	26.3	23.2	19.5		13.9	13.6					25.0
BMW	Car	All	1994						29.5	26.5	22.5	18.9		14.0	13.9	13.6				24.9
BMW	Car	All	1995						29.3	26.5	23.9	22.0		14.1	13.9	13.6				25.1
BMW	Car	All	1996						30.3	26.7		21.8		15.9						27.1
BMW	Car	All	1997						28.7	25.7	22.7	22.4		15.1		14.9				25.5
BMW	Car	All	1998						27.8	25.5	22.8	22.4		15.0		13.8				25.2
BMW	Car	All	1999						25.8	26.2	23.8	22.6	17.4	14.9						25.2
BMW	Car	All	2000						25.6	25.8	23.2	22.4	18.3	16.1		15.2				24.6
BMW	Car	All	2001						26.3	26.0	23.7	22.1	18.2	16.1		15.2				24.7
BMW	Car	All	2002					35.5	29.6	26.5	24.4	23.6		16.1		15.2				26.0
BMW	Car	All	2003					35.6	29.6	26.5	24.3	23.6	20.3							26.5
BMW	Car	All	2004					35.4	30.4	25.9	24.4	23.5	20.3	17.0						26.2
BMW	Car	All	2005					35.2	31.3	25.7	24.3	23.3	20.3	17.0						26.9
BMW	Car	All	2006					35.1	32.0	27.7	24.5	23.1	20.4	17.0						27.0
BMW	Car	All	2007					39.8	35.0	28.3	25.8	22.3	19.6	17.3						27.5
BMW	Car	All	2008					42.5	36.6	28.5	25.8	22.5	19.6	17.3						27.2
BMW	Car	All	2009					42.5	38.7	28.2	26.2	21.9	21.5	17.3						28.4
BMW	Car	All	2010					42.1	37.0	28.1	26.3	23.7	21.3	19.7	17.3					28.5
BMW	Car	All	2011					41.8	39.2	29.4	27.9	28.4	21.8		19.3					29.1
BMW	Car	All	2012					41.9	39.2	34.8	30.7	27.7	21.4		19.6					32.2
BMW	Car	All	2013					41.7	38.9	34.9	32.3	27.5	24.9		18.5	17.4				32.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Car	All	2014					44.0	44.4	38.2	34.3	29.1	24.9	19.3	18.5	17.4				34.7
BMW	Car	All	2015					44.3	41.1	38.3	33.3	29.0	25.1	19.3	18.6	17.4				34.6
BMW	Car	All	2016					43.0	39.8	37.5	33.4	29.2	25.1	19.3	18.5	17.4				33.9
BMW	Car	All	2017					43.0	40.4	39.9	34.4	29.6	26.1	18.7	17.9	17.4				35.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Truck	Truck SUV	1975																	
BMW	Truck	Truck SUV	1976																	
BMW	Truck	Truck SUV	1977																	
BMW	Truck	Truck SUV	1978																	
BMW	Truck	Truck SUV	1979																	
BMW	Truck	Truck SUV	1980																	
BMW	Truck	Truck SUV	1981																	
BMW	Truck	Truck SUV	1982																	
BMW	Truck	Truck SUV	1983																	
BMW	Truck	Truck SUV	1984																	
BMW	Truck	Truck SUV	1985																	
BMW	Truck	Truck SUV	1986																	
BMW	Truck	Truck SUV	1987																	
BMW	Truck	Truck SUV	1988																	
BMW	Truck	Truck SUV	1989																	
BMW	Truck	Truck SUV	1990																	
BMW	Truck	Truck SUV	1991																	
BMW	Truck	Truck SUV	1992																	
BMW	Truck	Truck SUV	1993																	
BMW	Truck	Truck SUV	1994																	
BMW	Truck	Truck SUV	1995																	
BMW	Truck	Truck SUV	1996																	
BMW	Truck	Truck SUV	1997																	
BMW	Truck	Truck SUV	1998																	
BMW	Truck	Truck SUV	1999																	
BMW	Truck	Truck SUV	2000										17.5							17.5
BMW	Truck	Truck SUV	2001									20.2	18.5							19.2
BMW	Truck	Truck SUV	2002										20.1							20.1
BMW	Truck	Truck SUV	2003										20.0							20.0
BMW	Truck	Truck SUV	2004								22.3		20.8							21.5
BMW	Truck	Truck SUV	2005								21.9		20.8							21.3
BMW	Truck	Truck SUV	2006								21.7		20.8							21.2
BMW	Truck	Truck SUV	2007								25.4		22.8	20.1						23.4
BMW	Truck	Truck SUV	2008								25.4		22.6	20.0						22.9
BMW	Truck	Truck SUV	2009								25.4		22.6	21.6						22.7
BMW	Truck	Truck SUV	2010								25.4		22.7	23.4	23.1					23.6
BMW	Truck	Truck SUV	2011									27.9	23.9	24.3	23.2					25.3
BMW	Truck	Truck SUV	2012									27.9	23.9	25.0						25.0
BMW	Truck	Truck SUV	2013								31.3	27.9	23.9	22.6						25.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Truck	Truck SUV	2014								31.5	27.9	28.3	21.4						28.7
BMW	Truck	Truck SUV	2015								31.3	30.6	28.7	21.8						28.5
BMW	Truck	Truck SUV	2016								31.3	29.9	26.9	29.4						28.8
BMW	Truck	Truck SUV	2017								31.3	28.5	26.9	22.5						27.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Truck	All	1975																	
BMW	Truck	All	1976																	
BMW	Truck	All	1977																	
BMW	Truck	All	1978																	
BMW	Truck	All	1979																	
BMW	Truck	All	1980																	
BMW	Truck	All	1981																	
BMW	Truck	All	1982																	
BMW	Truck	All	1983																	
BMW	Truck	All	1984																	
BMW	Truck	All	1985																	
BMW	Truck	All	1986																	
BMW	Truck	All	1987																	
BMW	Truck	All	1988																	
BMW	Truck	All	1989																	
BMW	Truck	All	1990																	
BMW	Truck	All	1991																	
BMW	Truck	All	1992																	
BMW	Truck	All	1993																	
BMW	Truck	All	1994																	
BMW	Truck	All	1995																	
BMW	Truck	All	1996																	
BMW	Truck	All	1997																	
BMW	Truck	All	1998																	
BMW	Truck	All	1999																	
BMW	Truck	All	2000										17.5							17.5
BMW	Truck	All	2001									20.2	18.5							19.2
BMW	Truck	All	2002										20.1							20.1
BMW	Truck	All	2003										20.0							20.0
BMW	Truck	All	2004								22.3		20.8							21.5
BMW	Truck	All	2005								21.9		20.8							21.3
BMW	Truck	All	2006								21.7		20.8							21.2
BMW	Truck	All	2007								25.4		22.8	20.1						23.4
BMW	Truck	All	2008								25.4		22.6	20.0						22.9
BMW	Truck	All	2009								25.4		22.6	21.6						22.7
BMW	Truck	All	2010								25.4		22.7	23.4	23.1					23.6
BMW	Truck	All	2011									27.9	23.9	24.3	23.2					25.3
BMW	Truck	All	2012									27.9	23.9	25.0						25.0
BMW	Truck	All	2013								31.3	27.9	23.9	22.6						25.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	Truck	All	2014								31.5	27.9	28.3	21.4						28.7
BMW	Truck	All	2015								31.3	30.6	28.7	21.8						28.5
BMW	Truck	All	2016								31.3	29.9	26.9	29.4						28.8
BMW	Truck	All	2017								31.3	28.5	26.9	22.5						27.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	All	All	1975					22.4		14.6				10.2						17.2
BMW	All	All	1976					21.4		16.4				11.3						18.4
BMW	All	All	1977					22.6		16.4				11.1						19.8
BMW	All	All	1978					21.5		16.3	15.0			10.8						19.2
BMW	All	All	1979					21.6		20.0	14.9			10.8						19.5
BMW	All	All	1980					28.9		21.3	18.8		11.3	10.7						25.0
BMW	All	All	1981					28.9		21.3	19.1		11.0	10.5						25.6
BMW	All	All	1982					29.0	24.4	21.2			11.1	10.1						25.4
BMW	All	All	1983					29.0	24.4	21.5			11.1	10.9						25.3
BMW	All	All	1984				30.7	29.0	26.8	22.5			11.1	11.0						27.0
BMW	All	All	1985					29.0	27.7	23.4	20.5		11.1	11.0	10.1					25.4
BMW	All	All	1986						27.3	23.2	19.5		11.1	11.0	10.1					25.0
BMW	All	All	1987						25.8	22.7	19.4		11.4	10.9	10.4					23.9
BMW	All	All	1988						24.2	22.9	18.7	16.2	12.4	12.2	11.8					21.3
BMW	All	All	1989						23.1	23.3	20.0	16.5	12.4	12.2						21.7
BMW	All	All	1990						23.2	23.4	20.6	16.7		13.3						21.9
BMW	All	All	1991					28.2	24.9	23.4	21.8	16.7		13.3						22.8
BMW	All	All	1992						28.2	24.3	22.5	16.7		13.9						23.8
BMW	All	All	1993						29.0	26.3	23.2	19.5		13.9	13.6					25.0
BMW	All	All	1994						29.5	26.5	22.5	18.9		14.0	13.9	13.6				24.9
BMW	All	All	1995						29.3	26.5	23.9	22.0		14.1	13.9	13.6				25.1
BMW	All	All	1996						30.3	26.7		21.8		15.9						27.1
BMW	All	All	1997						28.7	25.7	22.7	22.4		15.1		14.9				25.5
BMW	All	All	1998						27.8	25.5	22.8	22.4		15.0		13.8				25.2
BMW	All	All	1999						25.8	26.2	23.8	22.6	17.4	14.9						25.2
BMW	All	All	2000						25.6	25.8	23.2	22.4	17.5	16.1		15.2				24.3
BMW	All	All	2001						26.3	26.0	23.7	21.2	18.5	16.1		15.2				23.3
BMW	All	All	2002					35.5	29.6	26.5	24.4	23.6	20.1	16.1		15.2				24.7
BMW	All	All	2003					35.6	29.6	26.5	24.3	23.6	20.0							25.2
BMW	All	All	2004					35.4	30.4	25.9	23.5	23.5	20.8	17.0						24.9
BMW	All	All	2005					35.2	31.3	25.7	23.2	23.3	20.8	17.0						25.1
BMW	All	All	2006					35.1	32.0	27.7	23.6	23.1	20.8	17.0						25.8
BMW	All	All	2007					39.8	35.0	28.3	25.7	22.3	22.8	20.0						26.7
BMW	All	All	2008					42.5	36.6	28.5	25.8	22.5	22.6	19.9						26.3
BMW	All	All	2009					42.5	38.7	28.2	26.2	21.9	22.3	21.4						27.3
BMW	All	All	2010					42.1	37.0	28.1	26.2	23.7	22.2	23.2	19.9					27.6
BMW	All	All	2011					41.8	39.2	29.4	27.9	28.2	23.3	24.3	19.5					28.4
BMW	All	All	2012					41.9	39.2	34.8	30.7	27.7	23.2	25.0	19.6					30.0
BMW	All	All	2013					41.7	38.9	34.9	32.1	27.6	24.1	22.6	18.5	17.4				30.8

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
BMW	All	All	2014					44.0	44.4	38.2	33.6	28.9	27.5	21.2	18.5	17.4				33.2
BMW	All	All	2015					44.3	41.1	38.3	33.1	29.3	28.2	21.6	18.6	17.4				33.2
BMW	All	All	2016					43.0	39.8	37.5	32.9	29.3	26.6	28.9	18.5	17.4				32.4
BMW	All	All	2017					43.0	40.4	39.9	33.8	29.0	26.8	22.1	17.9	17.4				32.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	Car	1975							26.0	15.1	13.4								17.3
Mercedes	Car	Car	1976							25.0	17.9	13.4								18.6
Mercedes	Car	Car	1977							26.5	18.3	14.3								19.2
Mercedes	Car	Car	1978							27.3	18.3	13.9								18.7
Mercedes	Car	Car	1979							29.7	20.1	13.6								20.5
Mercedes	Car	Car	1980							26.1	22.5									23.9
Mercedes	Car	Car	1981							26.9	24.4									25.6
Mercedes	Car	Car	1982							28.9	25.6									26.3
Mercedes	Car	Car	1983						26.1	30.0	26.1									26.4
Mercedes	Car	Car	1984						26.8		24.5									26.0
Mercedes	Car	Car	1985						25.7		22.1									23.1
Mercedes	Car	Car	1986						25.6	23.1	19.3	16.8								21.1
Mercedes	Car	Car	1987						26.1	25.0	19.2									22.0
Mercedes	Car	Car	1988						26.5	23.4	18.5									21.1
Mercedes	Car	Car	1989							24.3	18.8									21.2
Mercedes	Car	Car	1990							23.6	20.2	17.5								21.2
Mercedes	Car	Car	1991						27.0	25.1	21.2	17.8								22.2
Mercedes	Car	Car	1992						27.1	25.5	21.2	18.8	17.3							21.8
Mercedes	Car	Car	1993						27.3	26.7	24.1	19.8	18.9	15.6						22.7
Mercedes	Car	Car	1994							26.7	24.4	20.1	20.4	16.1						23.6
Mercedes	Car	Car	1995							27.5	26.5	22.2	19.6							24.5
Mercedes	Car	Car	1996							27.7	26.6	22.6	19.9							25.2
Mercedes	Car	Car	1997							28.5	25.2	22.0	20.2							25.0
Mercedes	Car	Car	1998							29.5	27.6	21.6	20.2							27.0
Mercedes	Car	Car	1999						28.6	27.6	27.2	22.1	20.1							26.3
Mercedes	Car	Car	2000						28.6	27.7	26.1	21.9								24.9
Mercedes	Car	Car	2001						26.9	26.2	25.7	22.2	19.2							24.9
Mercedes	Car	Car	2002						27.3	25.9	24.8	22.0	19.1							24.6
Mercedes	Car	Car	2003							27.0	24.1	20.9								24.4
Mercedes	Car	Car	2004							28.5	23.9	21.4	17.0							24.5
Mercedes	Car	Car	2005							26.8	24.9	21.1	17.2							25.0
Mercedes	Car	Car	2006							25.4	24.9	21.7	17.2	20.3						24.0
Mercedes	Car	Car	2007							25.2	25.1	20.9	20.1	21.1						23.2
Mercedes	Car	Car	2008		49.5					25.2	25.5	20.9	19.9	21.4		15.3				25.3
Mercedes	Car	Car	2009		49.5					26.9	25.6	20.6	20.0	21.3		15.2				25.6
Mercedes	Car	Car	2010		49.1					27.4	25.7	22.8	20.9	16.6		15.2				24.8
Mercedes	Car	Car	2011		53.2					27.7	25.8	23.8	21.8	18.4		15.5				25.3
Mercedes	Car	Car	2012		49.5					32.3	27.0	28.1	23.9	18.4		15.5				28.6
Mercedes	Car	Car	2013		49.8	152.8				33.2	28.5	28.6	23.7	18.5						30.2

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	Car	2014		49.7	152.8				35.8	29.5	29.5	25.3							31.4
Mercedes	Car	Car	2015		49.7	152.8				37.4	33.6	29.5	24.7	21.4						32.9
Mercedes	Car	Car	2016			152.8	50.0			37.2	32.5	30.2	24.6	23.7						33.0
Mercedes	Car	Car	2017				60.9			37.1	34.1	29.4	25.4	23.8						33.8

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	Car SUV	1975																	
Mercedes	Car	Car SUV	1976																	
Mercedes	Car	Car SUV	1977																	
Mercedes	Car	Car SUV	1978																	
Mercedes	Car	Car SUV	1979																	
Mercedes	Car	Car SUV	1980																	
Mercedes	Car	Car SUV	1981																	
Mercedes	Car	Car SUV	1982																	
Mercedes	Car	Car SUV	1983																	
Mercedes	Car	Car SUV	1984																	
Mercedes	Car	Car SUV	1985																	
Mercedes	Car	Car SUV	1986																	
Mercedes	Car	Car SUV	1987																	
Mercedes	Car	Car SUV	1988																	
Mercedes	Car	Car SUV	1989																	
Mercedes	Car	Car SUV	1990																	
Mercedes	Car	Car SUV	1991																	
Mercedes	Car	Car SUV	1992																	
Mercedes	Car	Car SUV	1993																	
Mercedes	Car	Car SUV	1994																	
Mercedes	Car	Car SUV	1995																	
Mercedes	Car	Car SUV	1996																	
Mercedes	Car	Car SUV	1997																	
Mercedes	Car	Car SUV	1998																	
Mercedes	Car	Car SUV	1999																	
Mercedes	Car	Car SUV	2000																	
Mercedes	Car	Car SUV	2001																	
Mercedes	Car	Car SUV	2002																	
Mercedes	Car	Car SUV	2003																	
Mercedes	Car	Car SUV	2004																	
Mercedes	Car	Car SUV	2005																	
Mercedes	Car	Car SUV	2006																	
Mercedes	Car	Car SUV	2007																	
Mercedes	Car	Car SUV	2008																	
Mercedes	Car	Car SUV	2009																	
Mercedes	Car	Car SUV	2010									23.8								23.8
Mercedes	Car	Car SUV	2011								23.5									23.5
Mercedes	Car	Car SUV	2012								23.3	23.9								23.5
Mercedes	Car	Car SUV	2013									28.1								28.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	Car SUV	2014									27.8								27.8
Mercedes	Car	Car SUV	2015									27.8								27.8
Mercedes	Car	Car SUV	2016								32.3									32.3
Mercedes	Car	Car SUV	2017								32.3									32.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	All	1975							26.0	15.1	13.4								17.3
Mercedes	Car	All	1976							25.0	17.9	13.4								18.6
Mercedes	Car	All	1977							26.5	18.3	14.3								19.2
Mercedes	Car	All	1978							27.3	18.3	13.9								18.7
Mercedes	Car	All	1979							29.7	20.1	13.6								20.5
Mercedes	Car	All	1980							26.1	22.5									23.9
Mercedes	Car	All	1981							26.9	24.4									25.6
Mercedes	Car	All	1982							28.9	25.6									26.3
Mercedes	Car	All	1983						26.1	30.0	26.1									26.4
Mercedes	Car	All	1984						26.8		24.5									26.0
Mercedes	Car	All	1985						25.7		22.1									23.1
Mercedes	Car	All	1986						25.6	23.1	19.3	16.8								21.1
Mercedes	Car	All	1987						26.1	25.0	19.2									22.0
Mercedes	Car	All	1988						26.5	23.4	18.5									21.1
Mercedes	Car	All	1989							24.3	18.8									21.2
Mercedes	Car	All	1990							23.6	20.2	17.5								21.2
Mercedes	Car	All	1991						27.0	25.1	21.2	17.8								22.2
Mercedes	Car	All	1992						27.1	25.5	21.2	18.8	17.3							21.8
Mercedes	Car	All	1993						27.3	26.7	24.1	19.8	18.9	15.6						22.7
Mercedes	Car	All	1994							26.7	24.4	20.1	20.4	16.1						23.6
Mercedes	Car	All	1995							27.5	26.5	22.2	19.6							24.5
Mercedes	Car	All	1996							27.7	26.6	22.6	19.9							25.2
Mercedes	Car	All	1997							28.5	25.2	22.0	20.2							25.0
Mercedes	Car	All	1998							29.5	27.6	21.6	20.2							27.0
Mercedes	Car	All	1999						28.6	27.6	27.2	22.1	20.1							26.3
Mercedes	Car	All	2000						28.6	27.7	26.1	21.9								24.9
Mercedes	Car	All	2001						26.9	26.2	25.7	22.2	19.2							24.9
Mercedes	Car	All	2002						27.3	25.9	24.8	22.0	19.1							24.6
Mercedes	Car	All	2003							27.0	24.1	20.9								24.4
Mercedes	Car	All	2004							28.5	23.9	21.4	17.0							24.5
Mercedes	Car	All	2005							26.8	24.9	21.1	17.2							25.0
Mercedes	Car	All	2006							25.4	24.9	21.7	17.2	20.3						24.0
Mercedes	Car	All	2007							25.2	25.1	20.9	20.1	21.1						23.2
Mercedes	Car	All	2008		49.5					25.2	25.5	20.9	19.9	21.4		15.3				25.3
Mercedes	Car	All	2009		49.5					26.9	25.6	20.6	20.0	21.3		15.2				25.6
Mercedes	Car	All	2010		49.1					27.4	25.7	23.1	20.9	16.6		15.2				24.7
Mercedes	Car	All	2011		53.2					27.7	25.6	23.8	21.8	18.4		15.5				25.2
Mercedes	Car	All	2012		49.5					32.3	26.5	27.8	23.9	18.4		15.5				28.2
Mercedes	Car	All	2013		49.8	152.8				33.2	28.5	28.5	23.7	18.5						30.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Car	All	2014		49.7	152.8				35.8	29.5	29.3	25.3							31.2
Mercedes	Car	All	2015		49.7	152.8				37.4	33.6	28.8	24.7	21.4						32.5
Mercedes	Car	All	2016			152.8	50.0			37.2	32.4	30.2	24.6	23.7						32.9
Mercedes	Car	All	2017				60.9			37.1	34.0	29.4	25.4	23.8						33.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	Van	1975																	
Mercedes	Truck	Van	1976																	
Mercedes	Truck	Van	1977																	
Mercedes	Truck	Van	1978																	
Mercedes	Truck	Van	1979																	
Mercedes	Truck	Van	1980																	
Mercedes	Truck	Van	1981																	
Mercedes	Truck	Van	1982																	
Mercedes	Truck	Van	1983																	
Mercedes	Truck	Van	1984																	
Mercedes	Truck	Van	1985																	
Mercedes	Truck	Van	1986																	
Mercedes	Truck	Van	1987																	
Mercedes	Truck	Van	1988																	
Mercedes	Truck	Van	1989																	
Mercedes	Truck	Van	1990																	
Mercedes	Truck	Van	1991																	
Mercedes	Truck	Van	1992																	
Mercedes	Truck	Van	1993																	
Mercedes	Truck	Van	1994																	
Mercedes	Truck	Van	1995																	
Mercedes	Truck	Van	1996																	
Mercedes	Truck	Van	1997																	
Mercedes	Truck	Van	1998																	
Mercedes	Truck	Van	1999																	
Mercedes	Truck	Van	2000																	
Mercedes	Truck	Van	2001																	
Mercedes	Truck	Van	2002																	
Mercedes	Truck	Van	2003																	
Mercedes	Truck	Van	2004																	
Mercedes	Truck	Van	2005																	
Mercedes	Truck	Van	2006																	
Mercedes	Truck	Van	2007																	
Mercedes	Truck	Van	2008																	
Mercedes	Truck	Van	2009																	
Mercedes	Truck	Van	2010																	
Mercedes	Truck	Van	2011																	
Mercedes	Truck	Van	2012																	
Mercedes	Truck	Van	2013																	

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	Van	2014																	
Mercedes	Truck	Van	2015																	
Mercedes	Truck	Van	2016									30.2	29.4							29.8
Mercedes	Truck	Van	2017									30.2	29.4							29.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	Truck SUV	1975																	
Mercedes	Truck	Truck SUV	1976																	
Mercedes	Truck	Truck SUV	1977																	
Mercedes	Truck	Truck SUV	1978																	
Mercedes	Truck	Truck SUV	1979																	
Mercedes	Truck	Truck SUV	1980																	
Mercedes	Truck	Truck SUV	1981																	
Mercedes	Truck	Truck SUV	1982																	
Mercedes	Truck	Truck SUV	1983																	
Mercedes	Truck	Truck SUV	1984																	
Mercedes	Truck	Truck SUV	1985																	
Mercedes	Truck	Truck SUV	1986																	
Mercedes	Truck	Truck SUV	1987																	
Mercedes	Truck	Truck SUV	1988																	
Mercedes	Truck	Truck SUV	1989																	
Mercedes	Truck	Truck SUV	1990																	
Mercedes	Truck	Truck SUV	1991																	
Mercedes	Truck	Truck SUV	1992																	
Mercedes	Truck	Truck SUV	1993																	
Mercedes	Truck	Truck SUV	1994																	
Mercedes	Truck	Truck SUV	1995																	
Mercedes	Truck	Truck SUV	1996																	
Mercedes	Truck	Truck SUV	1997																	
Mercedes	Truck	Truck SUV	1998									21.3								21.3
Mercedes	Truck	Truck SUV	1999										20.3							20.3
Mercedes	Truck	Truck SUV	2000											20.4						20.4
Mercedes	Truck	Truck SUV	2001											20.8						20.8
Mercedes	Truck	Truck SUV	2002										19.1							19.1
Mercedes	Truck	Truck SUV	2003										19.4	17.4	17.0					18.8
Mercedes	Truck	Truck SUV	2004											19.0	15.9					18.8
Mercedes	Truck	Truck SUV	2005										19.0	15.7	15.1					18.7
Mercedes	Truck	Truck SUV	2006										21.0		15.3					20.9
Mercedes	Truck	Truck SUV	2007										22.0	18.7	21.8					20.2
Mercedes	Truck	Truck SUV	2008										22.4	18.2	19.5					20.8
Mercedes	Truck	Truck SUV	2009										22.1	18.0	19.4					20.8
Mercedes	Truck	Truck SUV	2010									22.5	22.4	21.0	19.2					21.4
Mercedes	Truck	Truck SUV	2011									23.2	22.2	20.6	19.3					21.1
Mercedes	Truck	Truck SUV	2012									23.1	25.7	26.9	19.6					23.1
Mercedes	Truck	Truck SUV	2013									28.2	25.8	26.2	20.9					24.4

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	Truck SUV	2014									28.8	25.6	26.0	20.8					24.5
Mercedes	Truck	Truck SUV	2015								32.0	28.2	25.7	31.3	21.9					25.9
Mercedes	Truck	Truck SUV	2016								31.8	30.0	25.7	25.8	22.1					25.8
Mercedes	Truck	Truck SUV	2017								34.3	30.6	25.8	24.8	22.7		14.2			25.9

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	All	1975																	
Mercedes	Truck	All	1976																	
Mercedes	Truck	All	1977																	
Mercedes	Truck	All	1978																	
Mercedes	Truck	All	1979																	
Mercedes	Truck	All	1980																	
Mercedes	Truck	All	1981																	
Mercedes	Truck	All	1982																	
Mercedes	Truck	All	1983																	
Mercedes	Truck	All	1984																	
Mercedes	Truck	All	1985																	
Mercedes	Truck	All	1986																	
Mercedes	Truck	All	1987																	
Mercedes	Truck	All	1988																	
Mercedes	Truck	All	1989																	
Mercedes	Truck	All	1990																	
Mercedes	Truck	All	1991																	
Mercedes	Truck	All	1992																	
Mercedes	Truck	All	1993																	
Mercedes	Truck	All	1994																	
Mercedes	Truck	All	1995																	
Mercedes	Truck	All	1996																	
Mercedes	Truck	All	1997																	
Mercedes	Truck	All	1998									21.3								21.3
Mercedes	Truck	All	1999										20.3							20.3
Mercedes	Truck	All	2000											20.4						20.4
Mercedes	Truck	All	2001											20.8						20.8
Mercedes	Truck	All	2002										19.1							19.1
Mercedes	Truck	All	2003										19.4	17.4	17.0					18.8
Mercedes	Truck	All	2004											19.0	15.9					18.8
Mercedes	Truck	All	2005										19.0	15.7	15.1					18.7
Mercedes	Truck	All	2006										21.0		15.3					20.9
Mercedes	Truck	All	2007										22.0	18.7	21.8					20.2
Mercedes	Truck	All	2008										22.4	18.2	19.5					20.8
Mercedes	Truck	All	2009										22.1	18.0	19.4					20.8
Mercedes	Truck	All	2010									22.5	22.4	21.0	19.2					21.4
Mercedes	Truck	All	2011									23.2	22.2	20.6	19.3					21.1
Mercedes	Truck	All	2012									23.1	25.7	26.9	19.6					23.1
Mercedes	Truck	All	2013									28.2	25.8	26.2	20.9					24.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	Truck	All	2014									28.8	25.6	26.0	20.8					24.5
Mercedes	Truck	All	2015								32.0	28.2	25.7	31.3	21.9					25.9
Mercedes	Truck	All	2016								31.8	30.0	26.0	25.8	22.1					26.1
Mercedes	Truck	All	2017								34.3	30.5	25.9	24.8	22.7		14.2			26.0

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	All	All	1975							26.0	15.1	13.4								17.3
Mercedes	All	All	1976							25.0	17.9	13.4								18.6
Mercedes	All	All	1977							26.5	18.3	14.3								19.2
Mercedes	All	All	1978							27.3	18.3	13.9								18.7
Mercedes	All	All	1979							29.7	20.1	13.6								20.5
Mercedes	All	All	1980							26.1	22.5									23.9
Mercedes	All	All	1981							26.9	24.4									25.6
Mercedes	All	All	1982							28.9	25.6									26.3
Mercedes	All	All	1983						26.1	30.0	26.1									26.4
Mercedes	All	All	1984						26.8		24.5									26.0
Mercedes	All	All	1985						25.7		22.1									23.1
Mercedes	All	All	1986						25.6	23.1	19.3	16.8								21.1
Mercedes	All	All	1987						26.1	25.0	19.2									22.0
Mercedes	All	All	1988						26.5	23.4	18.5									21.1
Mercedes	All	All	1989							24.3	18.8									21.2
Mercedes	All	All	1990							23.6	20.2	17.5								21.2
Mercedes	All	All	1991						27.0	25.1	21.2	17.8								22.2
Mercedes	All	All	1992						27.1	25.5	21.2	18.8	17.3							21.8
Mercedes	All	All	1993						27.3	26.7	24.1	19.8	18.9	15.6						22.7
Mercedes	All	All	1994							26.7	24.4	20.1	20.4	16.1						23.6
Mercedes	All	All	1995							27.5	26.5	22.2	19.6							24.5
Mercedes	All	All	1996							27.7	26.6	22.6	19.9							25.2
Mercedes	All	All	1997							28.5	25.2	22.0	20.2							25.0
Mercedes	All	All	1998							29.5	27.6	21.4	20.2							25.3
Mercedes	All	All	1999						28.6	27.6	27.2	22.1	20.3							24.4
Mercedes	All	All	2000						28.6	27.7	26.1	21.9		20.4						23.6
Mercedes	All	All	2001						26.9	26.2	25.7	22.2	19.2	20.8						23.9
Mercedes	All	All	2002						27.3	25.9	24.8	22.0	19.1							23.2
Mercedes	All	All	2003							27.0	24.1	20.9	19.4	17.4	17.0					23.4
Mercedes	All	All	2004							28.5	23.9	21.4	17.0	19.0	15.9					23.7
Mercedes	All	All	2005							26.8	24.9	21.1	18.9	15.7	15.1					24.1
Mercedes	All	All	2006							25.4	24.9	21.7	20.9	20.3	15.3					23.4
Mercedes	All	All	2007							25.2	25.1	20.9	21.4	19.4	21.8					22.4
Mercedes	All	All	2008		49.5					25.2	25.5	20.9	21.5	20.2	19.5	15.3				24.0
Mercedes	All	All	2009		49.5					26.9	25.6	20.6	21.6	19.7	19.4	15.2				24.3
Mercedes	All	All	2010		49.1					27.4	25.7	22.9	21.9	20.8	19.2	15.2				23.6
Mercedes	All	All	2011		53.2					27.7	25.6	23.7	22.2	20.5	19.3	15.5				23.8
Mercedes	All	All	2012		49.5					32.3	26.5	26.6	25.2	26.8	19.6	15.5				26.3
Mercedes	All	All	2013		49.8	152.8				33.2	28.5	28.5	25.2	26.1	20.9					28.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
Mercedes	All	All	2014		49.7	152.8				35.8	29.5	29.3	25.5	26.0	20.8					29.2
Mercedes	All	All	2015		49.7	152.8				37.4	33.3	28.6	25.3	28.4	21.9					29.8
Mercedes	All	All	2016			152.8	50.0			37.2	32.4	30.2	25.6	25.5	22.1					30.3
Mercedes	All	All	2017				60.9			37.1	34.0	30.0	25.7	24.6	22.7		14.2			30.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	Car	1975		31.4	28.3	24.4	21.7	21.4	18.2	15.6	14.3	12.9	12.2						15.8
All	Car	Car	1976		32.6	29.6	26.2	24.5	23.5	19.4	17.7	15.7	14.6	13.3						17.5
All	Car	Car	1977		36.0	32.1	29.3	24.8	23.2	20.2	17.9	16.5	14.1	12.6						18.3
All	Car	Car	1978		34.9	31.9	27.9	24.8	22.5	20.2	18.0	16.3	14.6	12.8						19.9
All	Car	Car	1979		32.0	31.4	27.9	24.0	22.1	20.2	17.8	16.5	14.4	11.0						20.3
All	Car	Car	1980		33.0	32.4	28.0	26.1	23.6	20.7	18.8	19.0	12.5	10.7						23.5
All	Car	Car	1981		38.4	34.4	29.4	27.7	24.4	22.2	20.3	20.4	11.7	10.5						25.1
All	Car	Car	1982		40.3	35.6	31.2	28.8	25.7	22.4	20.6	21.0	11.2	10.1						26.0
All	Car	Car	1983		43.6	36.2	32.2	30.2	25.8	22.8	20.3	19.9	11.5	10.9						25.9
All	Car	Car	1984		44.3	37.1	32.7	30.1	26.4	22.9	20.6	20.2	11.2	11.0						26.3
All	Car	Car	1985	57.4	44.4	37.5	32.8	30.6	27.1	23.4	21.7	21.0	10.9	11.0	10.1					27.0
All	Car	Car	1986	55.9	36.6	38.5	33.7	30.6	27.5	24.4	22.1	21.5	10.7	11.0	10.1					27.9
All	Car	Car	1987	56.8	40.0	39.0	33.4	30.8	27.9	24.6	21.7	22.3	11.4	10.9	10.4					28.1
All	Car	Car	1988	51.6	43.6	38.9	34.1	31.5	28.4	25.4	22.2	22.6	12.3	12.2	11.8					28.6
All	Car	Car	1989	59.4	43.5	38.7	34.4	31.8	28.4	25.1	23.0	21.8	12.4	12.5						28.1
All	Car	Car	1990	65.3	47.5	39.6	35.1	31.9	28.6	25.5	23.0	20.3	10.9	13.1						27.8
All	Car	Car	1991	65.3	47.1	38.1	35.8	32.5	28.1	25.4	23.3	20.9		13.2						28.0
All	Car	Car	1992	65.3	47.3	39.7	35.9	32.6	28.4	25.6	23.4	22.1	17.3	14.1						27.6
All	Car	Car	1993	65.3	48.6	38.7	36.5	33.0	28.7	26.0	23.6	22.1	18.9	15.6	17.6					28.2
All	Car	Car	1994	65.8	48.9	39.6	36.0	33.6	29.1	26.1	23.5	22.4	20.4	17.7	13.9	13.6				28.0
All	Car	Car	1995		53.7	40.4	37.5	33.9	29.7	26.4	23.5	22.4	19.6	18.2	13.9	13.6				28.3
All	Car	Car	1996		52.3	38.9	37.4	33.9	29.9	26.5	23.9	22.9	19.9	17.8	14.9					28.3
All	Car	Car	1997		54.4	39.3	37.0	34.0	30.0	26.7	23.8	22.2	20.2	18.1	14.9	14.9				28.4
All	Car	Car	1998		53.6	39.0	37.3	34.5	30.1	27.1	23.8	22.0	20.2	17.0	14.9	13.8				28.5
All	Car	Car	1999		50.3	38.6	35.9	34.6	30.1	27.2	24.2	22.2	19.7	14.9	19.3					28.2
All	Car	Car	2000		61.6	39.6	36.7	34.3	30.6	27.1	24.4	21.9	18.3	18.1	15.0	15.2				28.2
All	Car	Car	2001		75.6	39.3	36.2	35.9	31.6	27.2	24.6	22.0	18.2	16.1	17.6	15.2				28.4
All	Car	Car	2002		75.3	51.5	37.3	36.3	31.4	27.7	24.8	22.3	19.1	16.1	17.6	15.2				28.6
All	Car	Car	2003		75.1	50.8	40.8	37.1	32.8	28.0	25.1	23.2	20.3		18.2	15.2				29.0
All	Car	Car	2004		73.8	64.5	40.8	36.9	33.5	28.1	25.4	22.9	21.7	18.8	18.5	18.9				28.9
All	Car	Car	2005		74.3	34.1	41.1	37.3	34.2	28.9	25.7	23.1	21.7	16.7	17.3					29.5
All	Car	Car	2006		73.8	34.3	41.6	37.8	34.9	29.2	26.0	22.6	21.5	19.9	15.4	17.9				29.2
All	Car	Car	2007			29.9	42.4	38.2	36.4	29.9	27.0	22.5	20.9	20.5	16.2	19.1				30.3
All	Car	Car	2008		49.5	29.9	42.1	37.9	37.5	30.6	26.9	22.4	20.2	21.6	16.4	16.6				30.5
All	Car	Car	2009		49.5	30.0	42.0	38.3	38.4	31.7	27.5	23.3	21.2	20.6	16.4	16.6				32.1
All	Car	Car	2010		49.1	29.8	42.0	39.0	38.2	34.6	27.7	24.1	21.6	18.7	17.1	14.5				33.2
All	Car	Car	2011		53.2	29.9	41.1	40.4	38.6	34.9	28.3	24.8	22.1	20.2	18.1	18.9				32.9
All	Car	Car	2012		49.5	52.3	42.9	44.4	40.2	36.0	29.4	25.7	22.7	31.7	17.9	15.5				35.4
All	Car	Car	2013		49.8	60.7	43.2	44.2	40.3	37.5	31.5	26.9	24.1	21.4	19.6	16.3				36.4

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	Car	2014		49.7	56.7	44.0	45.5	41.3	37.9	31.5	27.7	26.3	21.0	19.6	16.4				36.6
All	Car	Car	2015		49.7	56.2	44.9	45.5	41.8	39.2	32.0	26.4	32.2	21.1	20.3	16.7				37.5
All	Car	Car	2016			152.8	45.3	45.3	42.6	38.9	32.3	26.8	39.2	22.4	20.3	17.2				37.8
All	Car	Car	2017			54.9	48.7	45.7	43.9	40.4	34.3	26.4	34.4	22.1	19.8	17.2				39.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	Car SUV	1975								13.1									13.1
All	Car	Car SUV	1976							14.3	12.3									12.4
All	Car	Car SUV	1977								14.3									14.3
All	Car	Car SUV	1978								13.6									13.6
All	Car	Car SUV	1979					20.8			13.3									16.8
All	Car	Car SUV	1980								17.2									17.2
All	Car	Car SUV	1981								17.3									17.3
All	Car	Car SUV	1982				23.6		25.8	16.6	19.3									23.4
All	Car	Car SUV	1983				23.2			25.1										24.3
All	Car	Car SUV	1984				22.6		28.3	23.5	16.7									22.6
All	Car	Car SUV	1985						23.4	23.5										23.5
All	Car	Car SUV	1986						25.7	22.1										22.3
All	Car	Car SUV	1987						26.4	22.8										22.9
All	Car	Car SUV	1988						26.3	22.7										22.7
All	Car	Car SUV	1989						24.9	22.7										22.7
All	Car	Car SUV	1990				32.2		25.0	22.4	20.9									22.5
All	Car	Car SUV	1991				30.7		23.3	21.8	21.2									21.8
All	Car	Car SUV	1992				29.6	29.2	24.8	20.9	20.9									21.4
All	Car	Car SUV	1993				29.3	29.1	25.2	20.3	20.1									20.4
All	Car	Car SUV	1994				29.0	28.0	25.6	21.4	21.1									21.8
All	Car	Car SUV	1995				29.7	27.7	27.9	20.1	21.0									21.5
All	Car	Car SUV	1996				29.3	28.8	28.7	21.6	21.4									22.4
All	Car	Car SUV	1997				28.4	29.6	28.0	22.2	21.1									23.5
All	Car	Car SUV	1998				28.5	29.3	29.7	24.0	21.4									22.3
All	Car	Car SUV	1999					31.0	29.9	24.3	21.9									22.7
All	Car	Car SUV	2000					31.1	29.7	24.0	21.3									22.0
All	Car	Car SUV	2001					31.0	29.7	24.6	22.1									23.3
All	Car	Car SUV	2002						30.6	25.5	22.5									24.0
All	Car	Car SUV	2003						29.9	26.5	23.1									24.8
All	Car	Car SUV	2004						30.9	27.0	24.2	21.0								24.9
All	Car	Car SUV	2005						30.9	27.2	24.8	21.7	19.1							25.4
All	Car	Car SUV	2006							28.3	25.0	21.5	20.7							25.7
All	Car	Car SUV	2007							29.0	25.3	23.4	20.6							25.9
All	Car	Car SUV	2008							28.9	26.3	23.7	20.9							26.6
All	Car	Car SUV	2009							29.9	27.2	24.0	19.2							27.8
All	Car	Car SUV	2010							30.8	30.4	25.6	33.6							29.1
All	Car	Car SUV	2011							31.3	30.2	26.5	32.3							29.9
All	Car	Car SUV	2012							31.7	29.9	25.7	40.3	88.5						29.6
All	Car	Car SUV	2013							34.0	31.8	26.8	40.4	89.9						31.1

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	Car SUV	2014							33.7	31.2	26.6	23.5	89.9						31.4
All	Car	Car SUV	2015							35.5	31.9	26.5	40.3							32.3
All	Car	Car SUV	2016						41.4	36.0	32.2	26.5	25.3	124.7	116.8					33.8
All	Car	Car SUV	2017						37.5	36.3	32.4	28.0		125.3	54.3					33.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	All	1975		31.4	28.3	24.4	21.7	21.4	18.2	15.6	14.3	12.9	12.2						15.8
All	Car	All	1976		32.6	29.6	26.2	24.5	23.5	19.4	17.6	15.7	14.6	13.3						17.5
All	Car	All	1977		36.0	32.1	29.3	24.8	23.2	20.2	17.9	16.5	14.1	12.6						18.3
All	Car	All	1978		34.9	31.9	27.9	24.8	22.5	20.2	17.9	16.3	14.6	12.8						19.9
All	Car	All	1979		32.0	31.4	27.9	23.9	22.1	20.2	17.7	16.5	14.4	11.0						20.2
All	Car	All	1980		33.0	32.4	28.0	26.1	23.6	20.7	18.8	19.0	12.5	10.7						23.5
All	Car	All	1981		38.4	34.4	29.4	27.7	24.4	22.2	20.3	20.4	11.7	10.5						25.1
All	Car	All	1982		40.3	35.6	31.1	28.8	25.7	22.4	20.6	21.0	11.2	10.1						26.0
All	Car	All	1983		43.6	36.2	32.0	30.2	25.8	22.9	20.3	19.9	11.5	10.9						25.9
All	Car	All	1984		44.3	37.1	32.6	30.1	26.4	22.9	20.5	20.2	11.2	11.0						26.3
All	Car	All	1985	57.4	44.4	37.5	32.8	30.6	27.1	23.4	21.7	21.0	10.9	11.0	10.1					26.9
All	Car	All	1986	55.9	36.6	38.5	33.7	30.6	27.5	24.4	22.1	21.5	10.7	11.0	10.1					27.9
All	Car	All	1987	56.8	40.0	39.0	33.4	30.8	27.9	24.5	21.7	22.3	11.4	10.9	10.4					28.0
All	Car	All	1988	51.6	43.6	38.9	34.1	31.5	28.4	25.2	22.2	22.6	12.3	12.2	11.8					28.5
All	Car	All	1989	59.4	43.5	38.7	34.4	31.8	28.4	25.0	23.0	21.8	12.4	12.5						28.1
All	Car	All	1990	65.3	47.5	39.6	35.1	31.9	28.6	25.4	23.0	20.3	10.9	13.1						27.7
All	Car	All	1991	65.3	47.1	38.1	35.7	32.5	28.1	25.2	23.1	20.9		13.2						27.8
All	Car	All	1992	65.3	47.3	39.7	35.6	32.6	28.4	25.4	23.1	22.1	17.3	14.1						27.4
All	Car	All	1993	65.3	48.6	38.7	36.2	33.0	28.7	25.8	22.6	22.1	18.9	15.6	17.6					27.6
All	Car	All	1994	65.8	48.9	39.6	35.5	33.6	29.1	25.9	23.1	22.4	20.4	17.7	13.9	13.6				27.7
All	Car	All	1995		53.7	40.4	37.2	33.9	29.7	26.3	23.2	22.4	19.6	18.2	13.9	13.6				28.1
All	Car	All	1996		52.3	38.9	37.3	33.8	29.9	26.4	23.5	22.9	19.9	17.8	14.9					28.0
All	Car	All	1997		54.4	39.3	36.9	34.0	29.8	26.6	23.5	22.2	20.2	18.1	14.9	14.9				28.2
All	Car	All	1998		53.6	39.0	36.9	34.5	30.1	27.0	23.1	22.0	20.2	17.0	14.9	13.8				28.1
All	Car	All	1999		50.3	38.6	35.9	34.6	30.1	27.1	23.6	22.2	19.7	14.9	19.3					27.8
All	Car	All	2000		61.6	39.6	36.7	34.3	30.6	27.1	23.5	21.9	18.3	18.1	15.0	15.2				27.7
All	Car	All	2001		75.6	39.3	36.2	35.9	31.5	27.1	23.9	22.0	18.2	16.1	17.6	15.2				27.9
All	Car	All	2002		75.3	51.5	37.3	36.3	31.4	27.6	24.2	22.3	19.1	16.1	17.6	15.2				28.3
All	Car	All	2003		75.1	50.8	40.8	37.1	32.8	27.9	24.6	23.2	20.3		18.2	15.2				28.7
All	Car	All	2004		73.8	64.5	40.8	36.9	33.4	28.1	25.1	22.6	21.7	18.8	18.5	18.9				28.5
All	Car	All	2005		74.3	34.1	41.1	37.3	34.1	28.8	25.5	23.0	21.3	16.7	17.3					29.1
All	Car	All	2006		73.8	34.3	41.6	37.8	34.9	29.1	25.9	22.5	21.2	19.9	15.4	17.9				28.9
All	Car	All	2007			29.9	42.4	38.2	36.4	29.9	26.6	22.8	20.8	20.5	16.2	19.1				29.8
All	Car	All	2008		49.5	29.9	42.1	37.9	37.5	30.4	26.8	22.8	20.5	21.6	16.4	16.6				30.1
All	Car	All	2009		49.5	30.0	42.0	38.3	38.4	31.5	27.5	23.5	20.8	20.6	16.4	16.6				31.6
All	Car	All	2010		49.1	29.8	42.0	39.0	38.2	34.0	28.1	24.9	23.8	18.7	17.1	14.5				32.6
All	Car	All	2011		53.2	29.9	41.1	40.4	38.6	34.3	28.7	25.5	23.2	20.2	18.1	18.9				32.3
All	Car	All	2012		49.5	52.3	42.9	44.4	40.2	35.5	29.6	25.7	23.4	31.7	17.9	15.5				34.4
All	Car	All	2013		49.8	60.7	43.2	44.2	40.3	37.1	31.6	26.9	25.5	21.8	19.6	16.3				35.5

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Car	All	2014		49.7	56.7	44.0	45.5	41.3	37.1	31.4	27.3	25.3	21.7	19.6	16.4				35.6
All	Car	All	2015		49.7	56.2	44.9	45.5	41.8	38.5	32.0	26.4	32.6	21.1	20.3	16.7				36.5
All	Car	All	2016			152.8	45.3	45.3	42.5	38.2	32.3	26.7	37.4	74.3	23.3	17.2				36.9
All	Car	All	2017			54.9	48.7	45.7	43.9	39.7	33.6	27.0	34.4	81.7	34.3	17.2				37.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Van	1975						21.2	19.0	14.0	11.6	12.0		11.1	10.6				13.1
All	Truck	Van	1976							19.5	14.1	13.3	12.4	11.1	11.9	11.5				13.9
All	Truck	Van	1977							20.2	16.1	13.5	12.4		13.0	12.3				14.7
All	Truck	Van	1978							19.4	15.6	13.0	12.5		12.5	11.7				14.2
All	Truck	Van	1979							18.7	16.5	13.6	11.8	11.4	10.6					13.5
All	Truck	Van	1980							19.0	18.4	16.3	14.2	12.4	10.9					16.6
All	Truck	Van	1981							19.3	18.7	17.1	14.8	12.3						17.5
All	Truck	Van	1982							20.9	18.8	16.8	15.1	13.4	11.9					17.3
All	Truck	Van	1983			39.0				19.5	18.8	17.3	17.1	18.2	12.6					17.7
All	Truck	Van	1984			38.6		29.8	25.7	24.2	18.0	17.0	15.6	14.5	12.9					18.9
All	Truck	Van	1985					29.8	26.1	23.5	19.8	16.1	15.4	12.9	21.3					19.5
All	Truck	Van	1986					29.4	26.9	24.3	21.1	17.5	16.0	15.0	23.1					20.6
All	Truck	Van	1987					29.3	26.6	24.1	21.7	17.3	15.9	14.6	22.9					20.9
All	Truck	Van	1988						27.4	24.5	22.2	17.9	16.7	14.2	21.7					21.2
All	Truck	Van	1989						26.3	24.3	22.5	17.5	16.5	14.4	21.3					21.1
All	Truck	Van	1990						26.4	25.2	22.2	18.7	16.5	14.4	21.5					21.2
All	Truck	Van	1991						26.2	25.3	22.5	19.1	16.6	15.2	20.4					21.4
All	Truck	Van	1992						28.3	25.7	22.6	19.2	17.5	15.9	15.0					21.5
All	Truck	Van	1993						28.5	25.3	22.6	19.8	17.7	16.1	21.3					21.9
All	Truck	Van	1994						28.4	24.7	22.7	19.3	17.6	16.2	15.5					21.5
All	Truck	Van	1995						27.7	25.1	22.9	19.1	17.8	16.2	16.1					21.8
All	Truck	Van	1996						27.7	27.0	23.5	20.6	17.8	15.8	16.1					22.2
All	Truck	Van	1997							24.2	23.4	20.7	19.0	17.3	16.5					22.1
All	Truck	Van	1998							27.0	23.8	21.5	18.6	17.4	16.6					22.7
All	Truck	Van	1999							26.9	23.9	22.1	18.2	17.5	16.2					22.3
All	Truck	Van	2000								24.2	22.3	18.4	17.2	16.3					22.8
All	Truck	Van	2001								24.6	23.5	19.1	17.4	16.0					22.1
All	Truck	Van	2002								24.9	23.3	18.7	17.5	17.1					23.1
All	Truck	Van	2003								25.4	23.6	19.3	18.2	18.5					23.5
All	Truck	Van	2004								25.1	24.2	20.4	19.1	18.7					23.7
All	Truck	Van	2005								25.5	24.1	20.7	19.3	18.2					24.0
All	Truck	Van	2006								25.7	24.5	19.9	19.2	18.2					24.3
All	Truck	Van	2007								25.9	24.2	20.4	19.2	18.1					24.2
All	Truck	Van	2008							30.7		24.7	23.9	19.3	17.6					24.6
All	Truck	Van	2009							30.3		24.7	25.3	17.8	17.7					25.0
All	Truck	Van	2010							30.5		24.4	25.3	18.6	18.4					25.0
All	Truck	Van	2011							30.1		26.6	22.9	18.3	17.8	14.4	15.4			26.3
All	Truck	Van	2012							31.3		26.7	22.6	18.1	17.9	15.7	15.0	14.5		26.6
All	Truck	Van	2013							31.1		26.6	25.0	18.5	17.8	14.5	15.1			26.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Van	2014							32.6	30.3	26.8	22.7	18.5	18.0	15.5	15.2			26.6
All	Truck	Van	2015							33.6	30.6	27.0	24.3		20.8	16.5	15.4			27.4
All	Truck	Van	2016							32.3	29.5	27.0	25.1	20.1	20.0	16.0	17.4			27.2
All	Truck	Van	2017							33.1	29.7	28.3	30.3		20.1	15.9	15.5			28.9

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Truck SUV	1975					16.8			13.2	13.5	11.1	10.5	10.3					13.0
All	Truck	Truck SUV	1976					17.8	15.4		13.8	13.9	12.8	11.2	11.9					13.9
All	Truck	Truck SUV	1977					18.6	16.8		14.7	15.4	13.6	11.7	11.9					15.1
All	Truck	Truck SUV	1978					18.1	16.8		14.5	14.7	13.0	11.8	11.4					14.5
All	Truck	Truck SUV	1979		25.7				17.2	15.6	15.7	12.9	11.4	10.6						12.4
All	Truck	Truck SUV	1980		25.2				19.7	16.3	15.9	14.5	14.0	13.8	13.4					15.5
All	Truck	Truck SUV	1981		25.2				20.9	17.2	16.9	15.8	15.3	14.1						16.8
All	Truck	Truck SUV	1982		25.2	24.8			20.2		19.4	15.7	15.1	21.2	21.2					17.3
All	Truck	Truck SUV	1983		25.2	24.8			20.5	23.4	21.9	15.7	15.7	20.2	20.8					18.5
All	Truck	Truck SUV	1984			28.8			22.6	21.3	22.1	14.8	15.3	17.9	21.0					19.0
All	Truck	Truck SUV	1985			28.8			24.5	21.8	22.0	15.0	15.7	16.1	21.4					19.4
All	Truck	Truck SUV	1986			33.1		25.6	22.8	21.8	21.1	15.6	16.4	15.7	22.1					20.1
All	Truck	Truck SUV	1987			33.1			22.4	22.2	20.4	14.6	15.7	16.8	20.9					20.4
All	Truck	Truck SUV	1988			33.3			22.3	20.9	20.8	15.0	16.1	16.5	18.3					20.2
All	Truck	Truck SUV	1989			33.4	31.3	29.3	22.1	20.3	21.2	14.9	15.9	17.5	15.8					19.7
All	Truck	Truck SUV	1990				31.8	28.7	23.3	20.5	20.5	17.5	16.0	17.3	16.0					19.6
All	Truck	Truck SUV	1991				33.5	28.9	27.1	19.8	20.8	19.8	15.8	17.2	15.7	20.2				20.0
All	Truck	Truck SUV	1992				33.5	28.9	23.7	19.4	20.2	19.4	15.7	16.3	14.9					19.4
All	Truck	Truck SUV	1993				33.5	29.0	24.0	19.6	21.3	19.7	16.1	16.8	15.8					19.6
All	Truck	Truck SUV	1994				33.5	28.7	23.5	19.4	18.9	19.9	16.5	16.8	16.1					19.3
All	Truck	Truck SUV	1995				30.5	28.4	23.3	19.8	19.0	19.9	17.0	16.9	15.7					19.3
All	Truck	Truck SUV	1996					28.4	28.0	19.9	19.3	20.2	17.0	17.4	16.8					19.6
All	Truck	Truck SUV	1997					28.3	27.8	22.7	19.9	19.8	18.0	17.4	16.7					19.6
All	Truck	Truck SUV	1998					28.4	27.4	24.0	20.2	20.1	17.3	17.0	16.1					19.7
All	Truck	Truck SUV	1999						28.3	25.7	20.8	19.7	17.4	17.5	16.5					19.6
All	Truck	Truck SUV	2000						28.0	24.0	20.9	19.9	17.6	18.2	16.6					19.6
All	Truck	Truck SUV	2001						27.7	24.8	21.3	20.4	17.1	18.5	16.8					20.2
All	Truck	Truck SUV	2002						27.8	25.9	21.6	19.9	18.9	18.4	17.7					20.1
All	Truck	Truck SUV	2003						27.8	26.0	22.8	20.7	19.3	18.3	17.4					20.3
All	Truck	Truck SUV	2004						23.7	26.3	22.3	21.3	19.6	18.4	17.4					20.4
All	Truck	Truck SUV	2005						23.5	26.9	23.2	21.6	19.5	18.6	18.2					20.8
All	Truck	Truck SUV	2006							28.0	23.5	22.7	20.0	18.7	18.1					21.4
All	Truck	Truck SUV	2007							28.8	25.5	22.5	20.4	19.0	19.8					22.0
All	Truck	Truck SUV	2008							29.8	26.4	23.0	21.4	19.4	19.5	18.4				22.7
All	Truck	Truck SUV	2009							29.2	27.5	23.5	22.6	21.1	19.8	18.3				24.1
All	Truck	Truck SUV	2010							29.4	28.3	23.9	23.2	22.2	20.2	18.4				24.7
All	Truck	Truck SUV	2011							30.7	28.8	24.4	24.0	21.6	20.7	18.6	15.4		16.4	24.9
All	Truck	Truck SUV	2012							30.8	29.1	24.7	24.3	21.6	20.7	18.6	15.4		16.4	25.1
All	Truck	Truck SUV	2013							32.6	31.0	25.7	24.7	21.7	21.0	18.5	16.2		16.4	26.3

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Truck SUV	2014							33.6	31.4	26.0	25.1	22.8	21.1	18.5	19.9		16.4	27.3
All	Truck	Truck SUV	2015							34.4	32.7	26.3	25.2	22.6	22.6	21.6	19.9			27.8
All	Truck	Truck SUV	2016							34.4	33.2	26.7	24.7	24.7	22.4	21.4				28.2
All	Truck	Truck SUV	2017							35.5	32.4	27.0	25.2	23.3	22.7	21.2	14.2			28.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Pickup	1975					22.7	20.7	15.1	14.1	11.8	11.0	10.0						14.0
All	Truck	Pickup	1976					24.1	22.3	16.5	15.3	12.6	11.7	11.4						14.6
All	Truck	Pickup	1977					25.7	28.6	17.1	16.7	13.7	12.9	11.8						16.0
All	Truck	Pickup	1978				27.2	25.8	27.5	18.5	16.1	13.6	12.8	12.1	12.6	11.8				15.7
All	Truck	Pickup	1979			25.0	27.5	22.7	23.9	18.9	15.9	14.2	12.9	11.3	10.9					15.5
All	Truck	Pickup	1980		25.2	32.0	25.8	25.2	23.6	18.7	18.7	15.7	15.9	13.3	9.9	12.0				19.4
All	Truck	Pickup	1981		25.2	41.5	28.4	27.9	27.1	21.3	19.2	16.8	16.9	13.3						21.0
All	Truck	Pickup	1982			43.1	29.7	28.3	26.4	22.3	18.7	17.1	18.9	22.4						21.7
All	Truck	Pickup	1983			39.2	32.6	28.8	26.4	23.4	18.5	17.0	18.0	22.1						22.2
All	Truck	Pickup	1984			28.8	28.1	28.2	26.6	22.7	18.5	16.8	17.4	21.9						21.5
All	Truck	Pickup	1985				29.6	29.9	26.3	23.3	18.5	16.8	16.3	21.1	19.6					21.4
All	Truck	Pickup	1986				30.0	29.5	26.8	23.2	19.2	17.4	16.3	21.1						22.2
All	Truck	Pickup	1987				29.8	29.7	27.0	22.9	19.1	17.2	16.0	21.1						22.5
All	Truck	Pickup	1988					27.8	27.4	22.8	19.7	17.8	16.4	16.9	19.6					21.5
All	Truck	Pickup	1989					27.6	27.6	22.6	20.1	17.8	16.0	19.2	21.2					21.2
All	Truck	Pickup	1990					26.0	28.2	23.1	20.2	18.0	16.4	18.6	20.5					20.7
All	Truck	Pickup	1991						27.5	23.9	20.4	18.1	16.2	17.5	19.5					21.7
All	Truck	Pickup	1992					28.2	27.1	24.7	20.4	18.4	16.7	16.3						20.9
All	Truck	Pickup	1993						27.4	24.5	20.5	19.0	16.9	17.0						21.1
All	Truck	Pickup	1994						28.0	25.3	20.9	18.7	17.0	16.9	18.1					21.0
All	Truck	Pickup	1995						27.3	26.3	20.9	18.6	16.8	15.9	18.1					20.4
All	Truck	Pickup	1996						27.2	26.3	21.6	18.9	17.3	15.3	18.7					20.8
All	Truck	Pickup	1997						26.6	27.0	21.5	19.8	18.2	17.0	18.7					20.4
All	Truck	Pickup	1998						27.3	26.1	21.3	19.8	17.6	16.4	15.6					20.7
All	Truck	Pickup	1999						27.2	24.9	20.7	19.9	18.1	16.3	16.8					19.9
All	Truck	Pickup	2000						26.7	24.9	20.8	20.0	18.4	16.3	15.8					20.5
All	Truck	Pickup	2001						27.1	24.5	20.7	20.0	18.6	16.3	15.8					19.6
All	Truck	Pickup	2002						27.7	24.9	20.9	19.8	18.7	17.0	17.5					19.5
All	Truck	Pickup	2003						27.7	25.7	21.4	20.2	18.9	17.2	17.6					19.9
All	Truck	Pickup	2004						27.6	25.9	21.8	20.5	19.2	17.9	18.1					19.6
All	Truck	Pickup	2005							25.9	23.1	20.8	19.4	18.3	18.0	16.3				19.7
All	Truck	Pickup	2006							26.1	23.4	21.3	19.9	18.7	17.6	15.2				20.1
All	Truck	Pickup	2007							26.0	22.8	21.4	20.0	19.5	18.5	15.1				20.1
All	Truck	Pickup	2008							26.7	23.2	21.5	20.3	20.1	18.7	16.0				20.5
All	Truck	Pickup	2009							27.9	24.2	22.1	20.8	20.4	19.2					21.0
All	Truck	Pickup	2010							27.7	23.9	22.0	20.9	20.8	19.5					20.9
All	Truck	Pickup	2011							27.7	23.5	21.9	21.4	21.1	20.3	16.2				21.4
All	Truck	Pickup	2012							27.5	25.8	22.3	21.5	21.0	20.4	16.7				21.3
All	Truck	Pickup	2013							29.3	25.9	22.9	22.3	21.5	20.9	16.7				21.7

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)															All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	Pickup	2014							29.3	25.9	23.5	23.9	23.0	20.9	16.7				22.4
All	Truck	Pickup	2015								26.4	24.5	23.7	23.2	21.2					23.5
All	Truck	Pickup	2016								27.5	25.7	23.8	22.8	21.6					23.6
All	Truck	Pickup	2017								27.5	26.1	24.3	22.9	21.7					23.6

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	All	1975					21.0	20.7	16.1	14.1	11.9	11.1	10.0	10.9	10.6				13.7
All	Truck	All	1976					22.5	21.0	16.9	15.0	12.9	12.1	11.4	11.9	11.5				14.4
All	Truck	All	1977					24.2	26.0	17.5	16.5	13.8	13.1	11.8	12.4	12.3				15.6
All	Truck	All	1978				27.2	23.5	25.2	18.6	15.9	13.5	12.8	12.1	11.8	11.7				15.3
All	Truck	All	1979		25.7	25.0	27.5	22.7	21.9	16.9	16.0	13.9	12.3	11.1	10.8					14.7
All	Truck	All	1980		25.2	32.0	25.8	25.2	22.7	18.3	18.6	15.7	15.1	13.1	12.3	12.0				18.6
All	Truck	All	1981		25.2	41.5	28.4	27.9	25.9	20.9	19.1	16.8	15.8	13.7						20.1
All	Truck	All	1982		25.2	39.1	29.7	28.3	25.9	22.1	18.7	16.8	17.0	21.5	21.1					20.5
All	Truck	All	1983		25.2	28.4	32.6	28.8	25.7	23.2	19.0	17.0	17.0	20.4	20.2					20.8
All	Truck	All	1984			31.1	28.1	28.3	26.0	22.7	18.9	16.7	16.0	17.9	20.4					20.4
All	Truck	All	1985			28.8	29.6	29.9	26.2	23.0	19.6	16.4	15.9	16.1	21.4					20.5
All	Truck	All	1986			33.1	30.0	29.5	26.8	23.1	20.1	17.3	16.3	16.0	22.2					21.4
All	Truck	All	1987			33.1	29.8	29.7	26.9	23.0	20.5	17.1	15.9	16.7	21.2					21.6
All	Truck	All	1988			33.3		27.8	27.4	22.6	21.1	17.7	16.4	16.2	18.7					21.1
All	Truck	All	1989			33.4	31.3	27.6	27.4	22.5	21.5	17.6	16.1	17.2	15.8					20.9
All	Truck	All	1990				31.8	26.8	27.8	23.0	21.3	18.2	16.4	16.8	16.0					20.7
All	Truck	All	1991				33.5	28.9	27.5	23.0	21.5	18.8	16.2	16.7	15.8	20.2				21.2
All	Truck	All	1992				33.5	28.6	26.9	23.6	21.6	18.9	16.8	16.2	14.9					20.8
All	Truck	All	1993				33.5	29.0	27.1	23.9	21.9	19.3	17.0	16.6	15.8					21.0
All	Truck	All	1994				33.5	28.7	27.2	24.4	21.3	19.3	17.0	16.7	16.1					20.7
All	Truck	All	1995				30.5	28.4	25.7	24.9	21.4	19.2	17.0	16.6	15.8					20.5
All	Truck	All	1996					28.4	27.5	24.8	22.1	19.8	17.4	16.6	16.7					20.8
All	Truck	All	1997					28.3	26.9	25.1	21.9	19.9	18.3	17.2	16.7					20.5
All	Truck	All	1998					28.4	27.3	25.4	22.3	20.2	17.7	16.9	15.9					20.8
All	Truck	All	1999						27.5	25.2	22.1	20.3	17.9	17.0	16.7					20.3
All	Truck	All	2000						27.0	24.5	22.4	20.5	18.2	17.8	16.6					20.7
All	Truck	All	2001						27.2	24.7	22.1	20.9	18.4	17.6	16.5					20.3
All	Truck	All	2002						27.7	25.6	22.4	20.6	18.7	17.7	17.7					20.3
All	Truck	All	2003						27.7	25.9	23.2	21.3	19.1	17.8	17.5					20.7
All	Truck	All	2004						27.5	26.2	22.5	21.9	19.4	18.2	17.7					20.5
All	Truck	All	2005						23.5	26.6	23.8	22.4	19.6	18.4	18.1	16.3				21.0
All	Truck	All	2006							27.4	23.8	23.2	20.0	18.7	17.9	15.2				21.4
All	Truck	All	2007							27.6	24.9	23.0	20.2	19.4	19.3	15.1				21.6
All	Truck	All	2008							28.7	25.6	23.4	21.2	20.0	19.1	18.4				22.2
All	Truck	All	2009							29.0	26.8	23.6	22.6	20.5	19.5	18.3				23.1
All	Truck	All	2010							29.3	27.6	23.8	23.2	21.0	19.7	18.4				23.4
All	Truck	All	2011							30.1	27.9	24.8	23.6	21.2	20.5	18.0	15.4		16.4	23.9
All	Truck	All	2012							30.7	28.6	25.1	23.8	21.1	20.5	18.2	15.3	14.5	16.4	24.1
All	Truck	All	2013							32.3	30.4	25.6	24.3	21.5	20.9	18.0	16.0		16.4	24.8

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	Truck	All	2014							33.5	31.0	26.1	24.8	23.0	20.9	18.0	16.9		16.4	25.5
All	Truck	All	2015							34.3	32.0	26.2	24.7	23.1	22.1	21.5	16.6			26.5
All	Truck	All	2016							34.3	32.7	26.6	24.3	23.2	21.9	21.4	17.4			26.8
All	Truck	All	2017							35.3	32.1	27.0	25.2	22.9	22.0	21.2	14.5			26.8
All	All	All	1975		31.4	28.3	24.4	21.4	21.4	18.1	14.8	13.8	12.6	12.0	10.9	10.6				15.3
All	All	All	1976		32.6	29.6	26.2	23.5	23.3	19.2	16.5	15.0	14.1	13.1	11.9	11.5				16.7
All	All	All	1977		36.0	32.1	29.3	24.5	23.6	19.9	17.5	15.9	13.9	12.4	12.4	12.3				17.7
All	All	All	1978		34.9	31.9	27.9	24.4	22.8	20.1	17.1	15.3	13.8	12.4	11.8	11.7				18.6
All	All	All	1979		32.0	31.4	27.9	23.5	22.1	20.1	17.3	15.4	12.7	11.1	10.8					18.7
All	All	All	1980		32.8	32.4	28.0	25.8	23.5	20.6	18.8	17.1	15.1	13.1	12.3	12.0				22.5
All	All	All	1981		38.3	34.5	29.3	27.8	24.6	22.1	19.9	18.3	15.8	13.5						24.1
All	All	All	1982		40.1	35.6	31.1	28.7	25.7	22.4	20.0	17.9	16.9	21.4	21.1					24.7
All	All	All	1983		43.1	36.2	32.0	29.8	25.8	22.9	20.0	17.6	16.9	20.3	20.2					24.6
All	All	All	1984		44.3	37.0	32.6	29.9	26.3	22.9	20.0	17.3	15.9	17.9	20.4					24.6
All	All	All	1985	57.4	44.4	37.4	32.8	30.5	26.9	23.3	21.0	16.8	15.8	16.1	21.3					25.0
All	All	All	1986	55.9	36.6	38.2	33.7	30.5	27.3	24.0	21.0	17.7	16.2	16.0	22.1					25.7
All	All	All	1987	56.8	40.0	38.2	33.4	30.7	27.7	24.0	21.1	17.6	15.8	16.6	21.0					25.9
All	All	All	1988	51.6	43.6	37.8	34.1	31.2	28.2	24.5	21.5	18.1	16.4	16.2	18.7					25.9
All	All	All	1989	59.4	43.5	38.6	34.3	31.5	28.2	24.4	22.0	17.9	16.1	17.1	15.8					25.4
All	All	All	1990	65.3	47.5	39.6	35.0	31.7	28.5	24.9	22.1	18.3	16.4	16.7	16.0					25.2
All	All	All	1991	65.3	47.1	38.1	35.7	32.4	28.0	24.7	22.2	18.9	16.2	16.6	15.8	20.2				25.4
All	All	All	1992	65.3	47.3	39.7	35.6	32.4	28.1	25.1	22.3	19.1	16.8	16.2	14.9					24.9
All	All	All	1993	65.3	48.6	38.7	36.2	32.9	28.4	25.4	22.2	19.5	17.1	16.6	15.9					25.1
All	All	All	1994	65.8	48.9	39.6	35.5	33.5	28.8	25.5	22.1	19.4	17.1	16.7	16.1	13.6				24.6
All	All	All	1995		53.7	40.4	37.1	33.8	29.1	26.0	22.2	19.3	17.1	16.7	15.8	13.6				24.7
All	All	All	1996		52.3	38.9	37.3	33.6	29.7	26.1	22.7	20.0	17.4	16.6	16.7					24.8
All	All	All	1997		54.4	39.3	36.9	34.0	29.7	26.3	22.6	20.0	18.3	17.2	16.7	14.9				24.5
All	All	All	1998		53.6	39.0	36.9	34.5	29.8	26.7	22.6	20.2	17.7	16.9	15.9	13.8				24.5
All	All	All	1999		50.3	38.6	35.9	34.6	29.9	26.8	22.7	20.3	17.9	17.0	16.7					24.1
All	All	All	2000		61.6	39.6	36.7	34.3	30.5	26.6	22.9	20.5	18.2	17.8	16.6	15.2				24.3
All	All	All	2001		75.6	39.3	36.2	35.9	31.4	26.7	23.1	21.0	18.4	17.6	16.6	15.2				24.2
All	All	All	2002		75.3	51.5	37.3	36.3	31.3	27.3	23.3	20.7	18.7	17.7	17.7	15.2				24.1
All	All	All	2003		75.1	50.8	40.8	37.1	32.7	27.6	23.8	21.5	19.1	17.8	17.5	15.2				24.3
All	All	All	2004		73.8	64.5	40.8	36.9	33.3	27.8	23.9	22.0	19.5	18.2	17.7	18.9				24.0
All	All	All	2005		74.3	34.1	41.1	37.3	34.1	28.6	24.8	22.5	19.6	18.4	18.1	16.3				24.8
All	All	All	2006		73.8	34.3	41.6	37.8	34.9	28.9	25.3	23.1	20.0	18.8	17.9	17.7				25.2
All	All	All	2007			29.9	42.4	38.2	36.4	29.7	26.2	22.9	20.2	19.5	19.2	18.7				25.8
All	All	All	2008		49.5	29.9	42.1	37.9	37.5	30.2	26.5	23.3	21.2	20.0	19.1	18.4				26.3
All	All	All	2009		49.5	30.0	42.0	38.3	38.4	31.3	27.3	23.6	22.5	20.5	19.4	18.2				28.2

Appendix J: Laboratory 55/45 Fuel Economy (MPG) by Manufacturer, Vehicle Type, and Inertia Weight

Manufacturer	Car or Truck	Vehicle Type	Year	Weight Class (Pounds)																All Classes
				1750	2000	2250	2500	2750	3000	3500	4000	4500	5000	5500	6000	6500	7000	8000	8500	
All	All	All	2010		49.1	29.8	42.0	39.0	38.2	33.4	28.0	24.1	23.2	21.0	19.7	18.4				28.4
All	All	All	2011		53.2	29.9	41.1	40.4	38.6	33.8	28.5	25.0	23.5	21.2	20.5	18.0	15.4		16.4	28.1
All	All	All	2012		49.5	52.3	42.9	44.4	40.2	35.0	29.3	25.3	23.8	21.1	20.5	18.2	15.3	14.5	16.4	29.9
All	All	All	2013		49.8	60.7	43.2	44.2	40.3	36.5	31.3	26.0	24.3	21.5	20.9	18.0	16.0		16.4	30.7
All	All	All	2014		49.7	56.7	44.0	45.5	41.3	36.6	31.3	26.4	24.8	23.0	20.9	18.0	16.9		16.4	30.7
All	All	All	2015		49.7	56.2	44.9	45.5	41.8	37.8	32.0	26.2	25.0	23.1	22.1	21.5	16.6			31.4
All	All	All	2016			152.8	45.3	45.3	42.5	37.5	32.5	26.6	24.7	23.7	21.9	21.4	17.4			31.6
All	All	All	2017			54.9	48.7	45.7	43.9	39.0	33.1	27.0	25.5	23.8	22.1	21.2	14.5			32.3

Note on Data in Appendix K:

The Department of Justice, on behalf of EPA, alleged violations of the Clean Air Act by Fiat Chrysler Automobiles based on the sale of certain 2014 through 2016 model year vehicles equipped with devices that defeat the vehicles' emission control systems. In addition, the Department of Justice and EPA have reached a settlement with Volkswagen over the use of defeat devices for certain 2009 through 2016 model year vehicles. In this report, EPA uses the CO_2 emissions and fuel economy data from the initial certification of these vehicles. Should the investigation and corrective actions yield different CO_2 and fuel economy data, any relevant changes will be used in future reports. For more information on actions to resolve these alleged violations, see www.epa.gov/vw and www.epa.gov/fca.

The data in this appendix from the manufacturers and years affected by these actions is in grey text and italicized.

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering							Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Car	Car	1975	15.1	11.8	14.4	12.8	4500		343	151		0.450	0.0333	34.0			2.4%		97.6%	7.0%	93.0%				97.8%		2.2%						41.6%	26.0%	32.3%
GM	Car	Car	1976	16.6	13.0	15.7	14.1	4401		330	148		0.461	0.0333	36.5			2.6%		97.4%	6.9%	93.1%				98.3%		1.7%						44.2%	27.5%	28.3%
GM	Car	Car	1977	17.7	14.0	16.6	15.1	4186	116.1	315	145		0.467	0.0345	37.2	2080	4328	2.4%		97.6%	3.9%	96.1%				98.8%		1.2%						39.0%	26.5%	34.5%
GM	Car	Car	1978	19.0	14.9	18.1	16.2	3789	115.0	289	136	13.4	0.477	0.0355	36.2	2223	4180	2.4%		97.6%	5.8%	94.2%				97.5%		1.8%		0.7%				29.5%	36.7%	33.8%
GM	Car	Car	1979	19.1	15.2	17.9	16.3	3761	115.6	284	136	13.8	0.493	0.0359	36.3	2246	4199	4.0%		96.0%	6.2%	88.5%	5.3%			95.4%		2.0%		2.7%				25.9%	40.5%	33.6%
GM	Car	Car	1980	21.9	17.0	21.1	18.7	3384	111.4	225	114	15.0	0.537	0.0336	37.1	2474	4168	27.4%		72.6%	12.9%	66.8%	20.3%			93.9%		0.3%	1.0%	4.7%				30.8%	51.5%	17.7%
GM	Car	Car	1981	23.2	17.9	22.7	19.8	3445	113.9	227	111	15.3	0.521	0.0321	40.0	2677	4598	25.7%		74.3%	9.2%	31.4%	59.3%			88.1%			3.9%	8.0%				26.4%	53.4%	20.2%
GM	Car	Car	1982	24.2	18.4	24.3	20.7	3370	114.2	213	111	16.3	0.554	0.0328	41.0	2813	4712	37.2%		62.8%	8.8%	0.2%	91.1%			73.2%			20.5%	6.3%				34.6%	44.2%	21.2%
GM	Car	Car	1983	23.5	17.8	23.7	20.1	3448	116.6	223	117	14.5	0.551	0.0337	40.7	2779	4752	37.0%		63.0%	6.7%	0.2%	93.1%			68.8%		0.2%	28.9%	2.1%				26.4%	46.8%	26.8%
GM	Car	Car	1984	24.4	18.5	24.7	20.9	3347	112.4	209	115	14.3	0.582	0.0341	41.1	2785	4622	44.8%		55.2%	8.8%	0.2%	91.0%			64.6%		0.9%	33.6%	0.9%				36.3%	42.4%	21.3%
GM	Car	Car	1985	25.5	19.2	26.2	21.8	3325	113.8	207	117	13.9	0.592	0.0349	42.5	2946	4851	60.8%		39.2%	6.3%	0.8%	92.9%			46.9%		17.4%	35.5%	0.2%				32.5%	41.1%	26.4%
GM	Car	Car	1986	27.0	20.2	27.6	23.0	3174	111.2	190	115	13.2	0.634	0.0359	43.0	3060	4804	72.0%		28.0%	9.1%	2.0%	88.9%			35.8%		26.1%	38.0%	0.0%				41.2%	36.8%	22.0%
GM	Car	Car	1987	27.2	20.2	28.0	23.2	3192	111.9	192	123	12.9	0.665	0.0380	43.6	3100	4894	77.1%		22.9%	7.5%	2.1%	90.3%			23.4%		38.3%	38.3%					40.8%	33.3%	26.0%
GM	Car	Car	1988	28.1	20.7	28.9	23.9	3158	111.2	181	122	13.1	0.701	0.0382	44.6	3180	4974	88.1%		11.9%	9.8%	1.8%	88.4%			12.3%		50.4%	37.3%		3.2%			49.4%	28.1%	22.6%
GM	Car	Car	1989	27.4	20.0	28.3	23.2	3191	111.9	187	133	12.0	0.731	0.0412	43.9	3114	4922	89.0%	0.0%	11.0%	7.8%	1.6%	90.6%			4.4%		56.3%	39.4%		5.1%			40.1%	34.8%	25.1%
GM	Car	Car	1990	27.3	19.6	28.3	23.0	3256	110.7	183	136	11.1	0.770	0.0415	44.5	3053	4936	94.3%	0.1%	5.6%	7.6%	1.0%	91.4%			1.1%		67.9%	31.0%		11.9%			39.4%	37.8%	22.8%
GM	Car	Car	1991	27.2	19.4	28.1	22.8	3248	109.9	188	139	11.1	0.769	0.0422	44.2	3026	4871	88.0%	0.0%	11.9%	9.9%	2.4%	87.6%					56.3%	43.7%		8.5%			44.8%	33.0%	22.2%
GM	Car	Car	1992	26.7	18.9	27.8	22.4	3306	110.7	193	146	10.6	0.789	0.0437	44.2	2996	4910	90.9%	0.0%	9.1%	8.8%	2.9%	88.3%					81.1%	18.9%		10.8%			44.9%	28.7%	26.3%
GM	Car	Car	1993	27.3	19.3	28.0	22.8	3268	110.4	189	146	9.8	0.801	0.0442	44.7	3061	4956	93.1%		6.9%	10.0%	1.5%	88.5%					85.0%	15.0%		11.8%			48.0%	29.5%	22.5%
GM	Car	Car	1994	27.5	19.3	27.9	22.9	3278	109.5	186	149	9.7	0.822	0.0446	45.1	3055	4955	89.3%		10.7%	10.5%	1.5%	88.0%					93.0%	7.0%		13.1%			52.9%	25.5%	21.5%
GM	Car	Car	1995	27.3	19.0	27.9	22.7	3338	111.5	191	165	9.3	0.881	0.0488	45.7	3085	5101	90.6%		9.4%	8.8%	1.2%	90.1%					97.6%	2.4%		20.2%			46.4%	32.7%	20.9%
GM	Car	Car	1996	27.9	19.3	28.4	23.1	3337	110.4	188	167	9.6	0.898	0.0493	46.5	3097	5146	92.1%		7.9%	8.7%		91.3%					100.0%			24.8%			50.1%	31.8%	18.1%
GM	Car	Car	1997	28.2	19.4	28.3	23.2	3300	110.1	183	168	9.6	0.924	0.0500	46.5	3124	5123	96.3%		3.7%	8.3%	1.8%	89.8%					97.5%	2.5%		28.6%			48.5%	31.8%	19.6%
GM	Car	Car	1998	27.6	18.9	27.7	22.7	3363	111.5	191	174	9.7	0.915	0.0508	46.4	3102	5181	95.6%		4.4%	6.7%	0.7%	92.5%					99.5%	0.5%		24.4%			39.0%	43.3%	17.8%
GM	Car	Car	1999	27.4	18.7	27.4	22.5	3401	110.8	190	171	9.9	0.906	0.0495	46.7	3065	5180	95.3%		4.7%	5.9%	0.6%	93.5%					99.7%	0.3%		29.3%			46.2%	39.4%	14.4%
GM	Car	Car	2000	27.6	18.6	27.6	22.6	3453	111.8	193	175	9.4	0.910	0.0500	47.6	3101	5335	92.8%		7.2%	4.4%	1.0%	94.6%					99.8%	0.2%		23.9%	1.6%		41.9%	33.8%	24.3%
GM	Car	Car	2001	28.1	18.9	27.8	22.9	3448	112.1	191	178	9.1	0.937	0.0510	48.5	3172	5449	94.0%		6.0%	4.7%	0.7%	94.6%					100.0%			27.1%	2.3%		40.4%	37.1%	22.6%
GM	Car	Car	2002	28.5	19.1	27.8	23.1	3405	111.8	194	178	9.1	0.929	0.0517	48.6	3212	5449	95.1%		4.9%	5.8%		94.2%					100.0%			25.2%	1.3%		42.5%	33.4%	24.1%
GM	Car	Car	2003	28.6	19.0	27.9	23.1	3468	113.3	191	181	8.9	0.961	0.0517	49.6	3257	5635	94.0%	0.6%	5.4%	4.0%		95.5%	0.4%				100.0%			40.4%	3.7%		36.7%	35.8%	27.5%
GM	Car	Car	2004	29.1	19.1	28.5	23.5	3408	112.5	190	181	8.9	0.969	0.0526	49.6	3302	5599	94.1%	0.4%	5.5%	5.4%		93.9%	0.7%				100.0%			44.8%	6.2%		41.3%	30.8%	28.0%
GM	Car	Car	2005	29.0	19.0	28.2	23.3	3469	112.3	192	187	8.8	0.985	0.0533	50.5	3300	5688	91.6%	0.2%	8.2%	4.9%		95.1%					100.0%			38.2%	10.4%		37.8%	35.0%	27.2%
GM	Car	Car	2006	28.6	18.7	27.6	22.9	3558	112.1	195	197	8.7	1.026	0.0549	51.0	3242	5751	90.6%	0.8%	8.6%	6.4%		93.6%					100.0%			43.9%	22.6%		46.2%	27.3%	26.5%
GM	Car	Car	2007	28.8	18.9	27.8	23.1	3563	109.7	188	193	8.9	1.046	0.0537	51.5	3199	5685	90.9%	0.5%	8.7%	6.2%		93.8%				0.3%	99.7%			48.3%	47.3%	0.1%	48.8%	25.3%	25.9%
GM	Car	Car	2008	28.6	18.7	27.7	23.0	3651	110.5	192	203	8.8	1.079	0.0552	52.4	3205	5830	89.3%	1.9%	8.8%	4.7%		95.3%				3.0%	97.0%			53.9%	58.1%	0.2%	41.5%	27.9%	30.6%
GM	Car	Car	2009	30.0	19.7	28.6	24.0	3586	110.7	178	195	8.7	1.111	0.0538	54.2	3380	6024	88.8%	2.9%	8.3%	5.0%		95.0%				3.2%	96.8%			68.3%	79.1%	0.5%	46.6%	27.9%	25.6%
GM	Car	Car	2010	29.8	19.4	28.9	23.9	3668	111.5	192	219	8.4	1.147	0.0586	54.9	3375	6145	78.9%	2.7%	18.4%	6.4%		93.6%				18.1%	81.9%			70.3%	93.2%	0.1%	45.0%	32.9%	22.1%
GM	Car	Car	2011	30.0	19.5	28.8	23.9	3775	112.4	178	214	8.5	1.243	0.0558	57.5	3455	6471	81.2%	3.3%	15.5%	4.6%		95.0%	0.5%			24.5%	75.5%			72.7%	92.3%		16.8%	59.6%	23.6%
GM	Car	Car	2012	32.4	20.8	31.3	25.7	3676	111.4	159	207	8.4	1.336	0.0554	61.8	3772	6885	85.6%	2.6%	11.8%	6.2%		92.0%	1.8%			43.2%	56.8%			96.2%	97.6%	3.4%	19.1%	64.7%	16.1%
GM	Car	Car	2013	32.9	21.4	31.5	26.2	3660	110.3	158	219	8.2	1.406	0.0585	63.2	3832	6972	82.2%	3.8%	14.0%	5.2%		92.2%	2.6%			60.8%	39.2%			96.0%	97.1%	7.0%			
GM	Car	Car	2014	34.0	21.9	31.8	26.7	3635	110.2	154	215	8.3	1.433	0.0580	64.3	3937	7106	81.8%	3.8%	14.5%	4.5%	0.1%	89.7%	5.6%			55.5%	43.5%		0.9%	94.7%	97.7%	2.8%			
GM	Car	Car	2015	34.2	22.0	32.1	26.8	3639	109.9	162	224	8.1	1.420	0.0605	64.9	3983	7178	80.2%	2.6%	17.2%	4.1%	0.3%	91.4%	4.1%			64.4%	35.1%		0.2%	93.4%	98.0%	1.9%			
GM	Car	Car	2016	35.1	22.7	32.7	27.5	3590	108.6	147	219	8.1	1.544	0.0598	67.5	4139	7371	83.2%	3.8%	13.0%	3.0%	0.3%	92.7%	3.9%			78.0%	21.6%			92.7%	99.4%	1.6%			
GM	Car	Car	2017	37.7	24.5	34.1	29.2	3520	106.9	140	219	7.7	1.635	0.0609	77.9	4766	8437	73.7%	7.4%	18.9%	6.8%	2.4%	83.7%	7.1%			89.9%	6.8%		0.9%	91.7%	96.4%	5.0%			

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Car	Car SUV	1975	15.6	13.2	13.3	13.2	4000		250	105		0.420	0.0263	31.3					100.0%	16.9%	83.1%				100.0%										
GM	Car	Car SUV	1976	16.9	13.8	15.0	14.3	3946		261	111		0.424	0.0284	33.5					100.0%	15.9%	84.1%				100.0%										
GM	Car	Car SUV	1977	18.0	14.6	16.2	15.3	4000		269	117		0.433	0.0292	36.0					100.0%	16.3%	83.7%				100.0%										
GM	Car	Car SUV	1978	17.6	13.9	16.5	14.9	4000		270	126	14.5	0.466	0.0315	35.2					100.0%	14.8%	85.2%				100.0%										
GM	Car	Car SUV	1979																																	
GM	Car	Car SUV	1980																																	
GM	Car	Car SUV	1981																																	
GM	Car	Car SUV	1982	22.0	17.3	20.9	18.8	3461		207	112	16.3	0.558	0.0330	38.3					100.0%	33.9%		66.1%			100.0%										
GM	Car	Car SUV	1983	25.1	19.0	25.4	21.4	3500		170	109	15.3	0.640	0.0311	44.0					100.0%	30.8%		69.2%			100.0%										
GM	Car	Car SUV	1984	23.6	17.8	24.1	20.2	3489		172	109	15.1	0.637	0.0313	41.2					100.0%	23.1%		76.9%			100.0%										
GM	Car	Car SUV	1985	23.5	17.6	24.4	20.1	3500		172	109	15.1	0.634	0.0311	41.1					100.0%	14.4%		85.6%			94.3%			5.7%							
GM	Car	Car SUV	1986	22.2	16.9	21.9	18.9	3500		171	123	13.4	0.714	0.0350	38.9					100.0%	13.8%		86.2%						100.0%							
GM	Car	Car SUV	1987	23.0	17.2	23.4	19.6	3500		171	123	13.6	0.714	0.0350	40.3					100.0%	11.9%		88.1%						100.0%							
GM	Car	Car SUV	1988	23.1	17.1	23.4	19.6	3500		204	136	12.9	0.677	0.0388	40.4					100.0%	9.6%		90.4%						100.0%							
GM	Car	Car SUV	1989	23.0	17.3	22.4	19.4	3500		246	145	11.6	0.599	0.0414	40.3					100.0%	16.3%		83.7%			2.5%		4.9%	92.6%							
GM	Car	Car SUV	1990	22.7	17.1	21.8	19.0	3500		230	139	11.1	0.620	0.0398	39.7					100.0%	35.2%		64.8%			13.2%		14.3%	72.5%							
GM	Car	Car SUV	1991	22.7	17.0	21.6	19.0	3628		225	135	11.7	0.622	0.0373	41.2					100.0%	30.1%		69.9%			2.1%		6.9%	90.9%							
GM	Car	Car SUV	1992	22.5	16.9	21.1	18.7	3562		198	135	11.7	0.701	0.0375	40.0					100.0%	38.0%		62.0%			3.6%		33.6%	62.8%							
GM	Car	Car SUV	1993	23.6	17.6	21.8	19.5	3628		203	160	10.1	0.796	0.0431	42.5					100.0%	31.7%		68.3%			3.8%		74.1%	22.1%							
GM	Car	Car SUV	1994	22.7	17.0	20.9	18.8	3644		198	159	10.1	0.812	0.0428	41.2					100.0%	32.2%		67.8%					79.7%	20.3%		26.4%					
GM	Car	Car SUV	1995	22.8	16.6	21.6	18.9	3727		212	159	10.5	0.765	0.0421	42.3					100.0%	24.6%		75.4%					81.8%	18.2%		8.9%					
GM	Car	Car SUV	1996	22.8	16.7	21.3	18.8	3800		218	158	10.9	0.766	0.0413	43.4					100.0%	15.9%		84.1%					100.0%			33.3%					
GM	Car	Car SUV	1997	22.0	16.0	20.4	18.0	3902		222	181	10.1	0.833	0.0462	43.1					100.0%	16.3%		83.7%					100.0%			31.5%					
GM	Car	Car SUV	1998	22.5	16.2	20.9	18.4	3857		221	186	10.1	0.867	0.0479	43.3					100.0%	16.6%		83.4%					100.0%			40.3%					
GM	Car	Car SUV	1999	22.3	16.0	20.6	18.2	3865		216	174	10.4	0.847	0.0450	43.1					100.0%	14.6%		85.4%					100.0%			43.2%					
GM	Car	Car SUV	2000	22.1	15.7	20.6	18.0	3909		228	179	9.9	0.819	0.0457	43.3					100.0%	8.3%		91.7%					100.0%			27.8%					
GM	Car	Car SUV	2001	24.0	17.0	21.8	19.3	3795		196	168	10.1	0.896	0.0441	45.7			17.6%		82.4%	7.0%		93.0%					100.0%			18.7%					
GM	Car	Car SUV	2002	24.1	16.7	22.5	19.4	3890		202	182	9.8	0.929	0.0468	47.2			49.4%		50.6%	10.6%		89.0%	0.5%				100.0%			33.7%					
GM	Car	Car SUV	2003	25.9	17.8	23.8	20.7	3666		175	164	9.9	0.965	0.0447	47.6			74.5%		25.5%	16.7%		63.8%	19.6%				100.0%			58.9%					
GM	Car	Car SUV	2004	24.7	16.7	23.5	19.9	3991		204	208	9.1	1.021	0.0517	49.6			65.6%	12.0%	22.5%	11.2%		82.2%	6.6%				100.0%			59.2%	32.5%				
GM	Car	Car SUV	2005	24.8	16.7	23.4	19.9	4011		200	192	9.4	0.959	0.0476	49.9			56.9%	38.9%	4.1%	5.1%		94.9%					100.0%			24.5%	14.6%				
GM	Car	Car SUV	2006	25.1	16.8	23.7	20.1	3998		198	196	9.4	0.987	0.0487	50.2			73.8%	22.3%	3.9%	2.9%		97.1%					100.0%			76.7%	19.9%				
GM	Car	Car SUV	2007	25.4	17.0	24.0	20.4	3983		197	196	9.4	0.998	0.0491	50.8			76.8%	20.0%	3.1%	2.0%		98.0%					100.0%			36.0%	23.8%	3.5%			
GM	Car	Car SUV	2008	25.3	16.9	23.9	20.3	4084		194	202	9.4	1.043	0.0494	51.9			73.0%	23.0%	4.0%			100.0%					100.0%			55.0%	55.0%	1.0%			
GM	Car	Car SUV	2009	25.8	17.2	24.4	20.7	4072		191	197	9.3	1.037	0.0483	53.0			74.0%	21.9%	4.1%			100.0%					100.0%			53.4%	53.4%	4.8%			
GM	Car	Car SUV	2010	29.4	19.6	27.5	23.4	4157		161	215	8.9	1.326	0.0514	61.9			66.1%	33.9%				100.0%					98.1%	1.9%		100.0%	100.0%				
GM	Car	Car SUV	2011	29.8	19.7	27.7	23.6	4027		154	201	9.3	1.286	0.0494	60.7			72.0%	28.0%		0.1%		99.9%					83.1%	16.9%		100.0%	100.0%				
GM	Car	Car SUV	2012	29.0	19.1	26.9	22.9	4126		166	215	8.9	1.290	0.0518	60.8			67.6%	32.4%				100.0%					100.0%			100.0%	100.0%				
GM	Car	Car SUV	2013	31.2	20.2	28.5	24.3	4072		162	212	8.9	1.302	0.0515	64.4			89.1%	10.9%				100.0%					94.8%	5.2%		100.0%	100.0%				
GM	Car	Car SUV	2014	31.3	20.2	28.5	24.2	4083		160	209	9.0	1.313	0.0506	64.6			88.0%	12.0%				100.0%					90.4%	9.6%		100.0%	100.0%				
GM	Car	Car SUV	2015	31.7	20.9	28.9	24.8	4024		156	208	9.0	1.348	0.0510	64.4			87.0%	13.0%				100.0%					83.1%	16.9%		100.0%	100.0%				
GM	Car	Car SUV	2016	31.7	20.9	29.3	25.0	3971		148	201	9.2	1.388	0.0497	63.9			86.3%	13.7%				100.0%					72.1%	27.9%		100.0%	100.0%				
GM	Car	Car SUV	2017	32.4	21.0	29.5	25.1	4004		154	213	8.8	1.407	0.0522	65.4			84.5%	15.5%				100.0%					74.9%	25.1%		100.0%	100.0%				

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Car	All	1975	15.1	11.8	14.4	12.8	4500		343	151		0.450	0.0333	34.0			2.4%		97.6%	7.0%	93.0%				97.8%		2.2%									
GM	Car	All	1976	16.6	13.0	15.7	14.1	4401		330	148		0.461	0.0333	36.5			2.6%		97.4%	6.9%	93.1%				98.3%		1.7%									
GM	Car	All	1977	17.7	14.0	16.6	15.1	4186		315	145		0.467	0.0345	37.2			2.4%		97.6%	3.9%	96.1%				98.8%		1.2%									
GM	Car	All	1978	19.0	14.9	18.1	16.2	3789		289	136	13.4	0.477	0.0355	36.2			2.4%		97.6%	5.8%	94.2%				97.5%		1.8%		0.7%						
GM	Car	All	1979	19.1	15.2	17.9	16.3	3761		284	136	13.8	0.493	0.0359	36.3			4.0%		96.0%	6.2%	88.5%	5.3%			95.4%		2.0%		2.7%				25.9%	40.5%	33.6%
GM	Car	All	1980	21.9	17.0	21.1	18.7	3384		225	114	15.0	0.537	0.0336	37.1			27.4%		72.6%	12.9%	66.8%	20.3%			93.9%		0.3%	1.0%	4.7%				30.8%	51.5%	17.7%
GM	Car	All	1981	23.2	17.9	22.7	19.8	3445		227	111	15.3	0.521	0.0321	40.0			25.7%		74.3%	9.2%	31.4%	59.3%			88.1%			3.9%	8.0%				26.4%	53.4%	20.2%
GM	Car	All	1982	24.2	18.4	24.3	20.7	3370		213	111	16.3	0.554	0.0328	41.0			37.2%		62.8%	8.8%	0.2%	91.0%			73.2%			20.5%	6.3%						
GM	Car	All	1983	23.5	17.8	23.7	20.1	3449		222	117	14.5	0.552	0.0336	40.7			36.8%		63.2%	6.9%	0.2%	92.9%			69.0%		0.2%	28.7%	2.1%						
GM	Car	All	1984	24.4	18.5	24.7	20.8	3349		209	115	14.3	0.583	0.0341	41.1			44.3%		55.7%	9.0%	0.2%	90.8%			64.9%		0.9%	33.3%	0.9%						
GM	Car	All	1985	25.5	19.1	26.1	21.8	3328		207	117	13.9	0.592	0.0348	42.5			59.8%		40.2%	6.4%	0.8%	92.8%			47.7%		17.1%	35.0%	0.2%						
GM	Car	All	1986	27.0	20.2	27.6	23.0	3177		190	115	13.3	0.635	0.0359	43.0			71.3%		28.7%	9.1%	1.9%	88.9%			35.5%		25.9%	38.6%	0.0%						
GM	Car	All	1987	27.2	20.1	27.9	23.1	3197		192	123	13.0	0.666	0.0380	43.6			75.9%		24.1%	7.6%	2.1%	90.3%			23.0%		37.7%	39.3%							
GM	Car	All	1988	28.1	20.6	28.8	23.8	3163		181	122	13.1	0.700	0.0382	44.5			86.9%		13.1%	9.8%	1.8%	88.4%			12.2%		49.7%	38.1%		3.1%					
GM	Car	All	1989	27.4	19.9	28.1	23.1	3196		188	133	11.9	0.729	0.0412	43.9			87.4%	0.0%	12.5%	7.9%	1.6%	90.5%			4.3%		55.4%	40.3%		5.1%					
GM	Car	All	1990	27.2	19.6	28.2	23.0	3258		184	136	11.1	0.768	0.0415	44.5			93.6%	0.1%	6.3%	7.8%	1.0%	91.2%			1.2%		67.5%	31.4%		11.8%					
GM	Car	All	1991	27.0	19.3	27.8	22.7	3258		189	139	11.2	0.765	0.0421	44.1			85.6%	0.0%	14.4%	10.5%	2.4%	87.2%			0.1%		54.9%	45.0%		8.3%					
GM	Car	All	1992	26.6	18.8	27.5	22.3	3313		193	146	10.6	0.787	0.0435	44.1			88.5%	0.0%	11.5%	9.6%	2.8%	87.6%			0.1%		79.8%	20.1%		10.5%					
GM	Car	All	1993	27.2	19.2	27.8	22.7	3278		190	146	9.8	0.801	0.0442	44.7			90.3%		9.7%	10.7%	1.5%	87.8%			0.1%		84.6%	15.2%		11.5%					
GM	Car	All	1994	27.3	19.2	27.6	22.7	3291		186	149	9.7	0.822	0.0446	45.0			86.2%		13.8%	11.3%	1.5%	87.3%					92.6%	7.4%		13.6%					
GM	Car	All	1995	27.2	18.9	27.7	22.6	3350		192	165	9.3	0.878	0.0486	45.6			87.9%		12.1%	9.2%	1.1%	89.6%					97.1%	2.9%		19.9%					
GM	Car	All	1996	27.6	19.1	28.0	22.9	3356		190	167	9.7	0.892	0.0490	46.4			88.3%		11.7%	9.0%		91.0%					100.0%			25.1%					
GM	Car	All	1997	27.9	19.3	28.0	23.0	3320		184	169	9.6	0.921	0.0499	46.3			93.1%		6.9%	8.6%	1.8%	89.6%					97.6%	2.4%		28.7%					
GM	Car	All	1998	27.3	18.7	27.3	22.4	3386		192	174	9.7	0.913	0.0507	46.2			91.0%		9.0%	7.2%	0.7%	92.1%					99.6%	0.4%		25.2%					
GM	Car	All	1999	27.2	18.6	26.9	22.3	3422		191	171	9.9	0.903	0.0493	46.5			90.9%		9.1%	6.3%	0.6%	93.1%					99.7%	0.3%		29.9%					
GM	Car	All	2000	27.2	18.4	27.1	22.3	3476		194	175	9.4	0.906	0.0498	47.4			88.1%		11.9%	4.6%	0.9%	94.5%					99.8%	0.2%		24.1%	1.5%				
GM	Car	All	2001	27.7	18.7	27.2	22.6	3477		192	177	9.1	0.933	0.0505	48.3			87.7%		12.3%	4.9%	0.7%	94.4%					100.0%			26.4%	2.1%				
GM	Car	All	2002	28.2	18.9	27.4	22.8	3438		195	178	9.1	0.929	0.0514	48.5			92.0%		8.0%	6.1%		93.9%	0.0%				100.0%			25.8%	1.2%				
GM	Car	All	2003	28.4	18.9	27.6	22.9	3481		190	180	9.0	0.961	0.0513	49.5			92.7%	0.6%	6.7%	4.9%		93.5%	1.7%				100.0%			41.6%	3.5%				
GM	Car	All	2004	28.7	18.9	28.0	23.1	3458		191	184	8.9	0.973	0.0525	49.6			91.7%	1.4%	6.9%	5.9%		92.9%	1.2%				100.0%			46.1%	8.4%				
GM	Car	All	2005	28.3	18.6	27.4	22.8	3549		193	188	8.9	0.981	0.0524	50.4			86.4%	5.9%	7.6%	4.9%		95.1%					100.0%			36.2%	11.0%				
GM	Car	All	2006	28.0	18.4	27.0	22.5	3622		196	197	8.8	1.020	0.0540	50.9			88.1%	4.0%	7.9%	5.9%		94.1%					100.0%			48.6%	22.2%				
GM	Car	All	2007	28.4	18.7	27.3	22.8	3612		189	193	9.0	1.040	0.0532	51.4			89.2%	2.8%	8.0%	5.7%		94.3%				0.3%	99.7%			46.9%	44.5%	0.5%			
GM	Car	All	2008	28.1	18.5	27.1	22.6	3707		192	203	8.9	1.074	0.0544	52.3			87.2%	4.6%	8.2%	4.1%		95.9%				2.6%	97.4%			54.0%	57.7%	0.3%			
GM	Car	All	2009	29.7	19.5	28.3	23.7	3620		179	196	8.8	1.106	0.0534	54.1			87.8%	4.2%	8.0%	4.7%		95.3%				3.0%	97.0%			67.3%	77.3%	0.8%			
GM	Car	All	2010	29.7	19.5	28.6	23.8	3776		185	218	8.5	1.186	0.0571	56.4			76.1%	9.6%	14.3%	5.0%		95.0%				35.7%	64.3%			76.8%	94.7%	0.0%			
GM	Car	All	2011	29.9	19.5	28.5	23.8	3850		171	210	8.7	1.256	0.0539	58.4			78.5%	10.6%	10.9%	3.3%		96.4%	0.3%			41.9%	58.1%			80.8%	94.6%				
GM	Car	All	2012	31.3	20.3	29.9	24.8	3806		161	210	8.5	1.323	0.0544	61.5			80.4%	11.2%	8.4%	4.4%		94.3%	1.3%			59.7%	40.3%			97.3%	98.3%	2.4%			
GM	Car	All	2013	32.5	21.1	30.6	25.6	3772		159	217	8.4	1.378	0.0566	63.5			84.1%	5.7%	10.2%	3.8%		94.3%	1.9%			70.0%	30.0%			97.1%	97.9%	5.1%			
GM	Car	All	2014	33.3	21.5	31.0	26.1	3740		156	214	8.5	1.405	0.0563	64.4			83.2%	5.7%	11.1%	3.4%	0.1%	92.1%	4.3%			63.7%	35.5%		0.7%	96.0%	98.3%	2.1%			
GM	Car	All	2015	33.3	21.6	31.0	26.1	3766		160	219	8.4	1.397	0.0574	64.7			82.5%	6.0%	11.5%	2.8%	0.2%	94.2%	2.8%			70.6%	29.1%		0.1%	95.6%	98.7%	1.3%			
GM	Car	All	2016	34.1	22.2	31.6	26.7	3702		147	213	8.4	1.498	0.0568	66.4			84.1%	6.7%	9.2%	2.1%	0.2%	94.8%	2.8%			76.3%	23.4%			94.8%	99.6%	1.2%			
GM	Car	All	2017	36.2	23.5	32.8	28.0	3646		144	218	8.0	1.575	0.0586	74.7			76.5%	9.5%	14.0%	5.0%	1.8%	87.9%	5.3%			86.0%	11.6%		0.7%	93.9%	97.4%	3.7%			

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Truck	Van	1975	14.4	11.6	13.0	12.2	4183		306	136		0.442	0.0325	30.9					100.0%	23.6%	76.4%				100.0%										
GM	Truck	Van	1976	14.0	11.6	12.3	11.9	4225		321	136		0.424	0.0323	30.6					100.0%	20.2%	79.8%				100.0%										
GM	Truck	Van	1977	15.0	12.4	13.0	12.7	4276		325	141		0.435	0.0332	32.4					100.0%	13.6%	86.4%				100.0%										
GM	Truck	Van	1978	14.1	11.7	12.2	11.9	4313		328	153	13.2	0.468	0.0356	31.1					100.0%	10.2%	89.8%				100.0%										
GM	Truck	Van	1979	14.7	12.3	12.6	12.4	4553		319	130	16.4	0.418	0.0288	33.9					100.0%	15.4%	84.6%				100.0%										
GM	Truck	Van	1980	16.7	13.3	15.6	14.2	4338		297	145	15.2	0.491	0.0334	36.4					100.0%	20.6%	3.7%	75.7%			100.0%										
GM	Truck	Van	1981	18.0	14.3	16.8	15.3	4374		285	143	15.4	0.504	0.0328	39.5					100.0%	12.5%		87.5%			100.0%										
GM	Truck	Van	1982	17.9	14.3	16.5	15.2	4447		291	151	16.2	0.515	0.0338	39.8					100.0%	5.5%		94.5%			100.0%										
GM	Truck	Van	1983	18.9	14.9	17.7	16.0	4551		306	153	14.5	0.502	0.0336	43.4					100.0%	3.6%		96.4%			89.7%				10.3%						
GM	Truck	Van	1984	18.2	14.3	17.2	15.5	4523		301	148	14.7	0.491	0.0327	41.3					100.0%	3.0%	2.9%	94.1%			96.8%				3.2%						
GM	Truck	Van	1985	18.7	14.8	17.6	15.9	4287		286	154	13.7	0.543	0.0361	40.5					100.0%	2.6%	0.5%	96.9%			96.8%			2.2%	1.0%						
GM	Truck	Van	1986	19.4	15.2	18.2	16.4	4241		279	150	13.3	0.541	0.0354	41.4					100.0%	2.5%	6.0%	91.5%			48.0%			51.4%	0.6%						
GM	Truck	Van	1987	19.8	15.3	18.8	16.8	4214		284	169	12.4	0.596	0.0401	42.0					100.0%	1.5%	22.3%	76.2%						99.7%	0.3%						
GM	Truck	Van	1988	20.2	15.4	19.4	17.1	4210		286	168	12.6	0.590	0.0399	42.8					100.0%	1.1%	16.7%	82.2%						99.6%	0.4%						
GM	Truck	Van	1989	20.2	15.3	19.5	17.0	4215		290	169	12.1	0.580	0.0398	42.9					100.0%	0.8%	5.3%	93.8%						99.7%	0.3%						
GM	Truck	Van	1990	20.7	15.5	19.9	17.4	4265		258	155	12.5	0.606	0.0361	44.3			32.8%	3.1%	64.1%		3.9%	96.1%						99.8%	0.2%						
GM	Truck	Van	1991	20.8	15.5	20.1	17.4	4289		262	156	12.5	0.600	0.0362	44.9			24.9%	5.4%	69.7%			100.0%						99.7%	0.3%						
GM	Truck	Van	1992	20.8	15.4	20.1	17.4	4304		266	165	11.7	0.623	0.0382	45.1			26.1%	5.1%	68.8%			100.0%					19.6%	80.2%	0.2%						
GM	Truck	Van	1993	20.7	15.2	20.0	17.3	4364		269	173	10.7	0.647	0.0396	45.3			22.4%	6.4%	71.3%			100.0%					25.4%	74.6%							
GM	Truck	Van	1994	21.0	15.3	20.3	17.5	4316		265	174	10.5	0.662	0.0403	45.5			27.2%	8.4%	64.4%			100.0%					36.4%	63.6%							
GM	Truck	Van	1995	20.6	14.9	19.8	17.1	4337		269	179	10.5	0.674	0.0414	44.9			25.4%	7.5%	67.1%			100.0%					61.5%	38.5%							
GM	Truck	Van	1996	21.5	15.5	20.5	17.7	4419		257	194	10.5	0.769	0.0439	47.5			25.1%	10.1%	64.8%			100.0%					100.0%			2.0%					
GM	Truck	Van	1997	21.9	15.7	20.8	18.0	4354		248	201	10.2	0.825	0.0463	47.7			40.2%	8.5%	51.3%			100.0%					100.0%			0.5%					
GM	Truck	Van	1998	22.2	15.8	21.1	18.2	4291		240	199	10.5	0.844	0.0465	47.6			51.1%	7.0%	42.0%			100.0%					100.0%			0.5%					
GM	Truck	Van	1999	22.0	15.5	20.9	18.0	4327		243	193	10.7	0.810	0.0447	47.7			49.3%	6.6%	44.2%			100.0%					100.0%			0.2%					
GM	Truck	Van	2000	22.1	15.5	20.8	18.0	4323		241	193	10.2	0.813	0.0447	48.0			49.0%	7.5%	43.4%			100.0%					100.0%								
GM	Truck	Van	2001	22.9	15.9	21.9	18.7	4275		234	193	10.0	0.838	0.0453	49.3			59.7%	5.3%	35.0%			100.0%					100.0%								
GM	Truck	Van	2002	22.3	15.4	21.3	18.2	4307		235	193	10.2	0.834	0.0449	48.6			55.1%	10.6%	34.3%			100.0%					100.0%								
GM	Truck	Van	2003	23.2	15.8	22.1	18.8	4347		228	195	10.2	0.860	0.0449	50.5			59.4%	15.9%	24.7%			100.0%					100.0%								
GM	Truck	Van	2004	23.1	15.6	21.9	18.6	4360		232	197	10.1	0.855	0.0453	50.4			59.8%	9.5%	30.8%			100.0%					100.0%								
GM	Truck	Van	2005	22.6	15.3	21.2	18.2	4532		231	200	10.1	0.874	0.0442	51.5			64.0%	9.3%	26.7%			100.0%					100.0%								
GM	Truck	Van	2006	22.9	15.4	21.6	18.4	4715		231	208	10.2	0.903	0.0440	54.0			68.0%	8.9%	23.0%			100.0%					100.0%				3.0%				
GM	Truck	Van	2007	22.6	15.2	21.5	18.2	4726		251	237	9.5	0.947	0.0503	53.5			69.0%	3.9%	27.1%			100.0%					100.0%				69.0%				
GM	Truck	Van	2008	22.8	15.3	21.6	18.4	4704		250	238	9.5	0.959	0.0508	53.7			73.3%	3.8%	22.9%			100.0%					100.0%				73.3%				
GM	Truck	Van	2009	20.0	13.9	18.1	16.0	5271		285	233	10.1	0.809	0.0438	52.8				16.4%	83.6%			100.0%					100.0%								
GM	Truck	Van	2010	20.1	13.9	18.4	16.2	5342		289	241	10.1	0.826	0.0447	53.8				20.5%	79.5%			100.0%					100.0%				43.6%				
GM	Truck	Van	2011	19.7	13.6	18.2	15.9	5451		294	248	10.0	0.833	0.0451	53.7				21.2%	78.8%			100.0%					100.0%				49.0%				
GM	Truck	Van	2012	20.1	13.9	18.6	16.3	5342		286	237	10.2	0.819	0.0440	53.8				15.3%	84.7%			100.0%					100.0%				36.8%				
GM	Truck	Van	2013	20.0	13.8	18.4	16.1	5368		290	245	10.0	0.833	0.0451	53.7				20.4%	79.6%			100.0%					100.0%				43.0%				
GM	Truck	Van	2014	19.1	13.3	17.8	15.5	5384		289	244	10.1	0.831	0.0448	51.4				20.0%	80.0%			100.0%					100.0%				42.0%				
GM	Truck	Van	2015	16.2	10.9	16.1	13.4	6662		321	297	9.2	0.929	0.0445	53.8					100.0%			100.0%					100.0%				100.0%				
GM	Truck	Van	2016	15.8	10.7	15.9	13.1	6647		366	324	8.6	0.885	0.0488	52.6					100.0%			100.0%					100.0%				100.0%				
GM	Truck	Van	2017	33.0	22.8	25.5	24.3	3646		134	140	11.2	1.064	0.0380	60.7			95.3%		4.7%			4.7%	95.3%				100.0%			95.3%	100.0%				

				Fuel Economy (MPG)				Weight	Volume	Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Truck	Truck SUV	1975	11.7	9.9	10.0	9.9	4896		354	162		0.457	0.0331	28.9				74.9%	25.1%	16.2%	83.8%				100.0%										
GM	Truck	Truck SUV	1976	13.0	10.6	11.7	11.0	4931		361	153		0.421	0.0310	32.1				79.9%	20.1%	15.8%	84.2%				100.0%										
GM	Truck	Truck SUV	1977	14.6	11.9	13.1	12.4	4703		359	158		0.439	0.0335	34.7				74.4%	25.6%	15.7%	84.3%				100.0%										
GM	Truck	Truck SUV	1978	14.0	11.4	12.6	11.9	4711		356	165	13.2	0.464	0.0351	33.2				81.3%	18.7%	14.8%	85.2%				100.0%										
GM	Truck	Truck SUV	1979	11.3	9.5	9.6	9.5	5169		371	149	15.8	0.399	0.0286	29.2				42.6%	57.4%	14.2%	85.8%				100.0%										
GM	Truck	Truck SUV	1980	14.5	11.5	13.5	12.4	5071		341	161	15.0	0.474	0.0319	36.9				61.2%	38.8%	13.8%		86.2%			100.0%										
GM	Truck	Truck SUV	1981	16.2	12.8	15.0	13.7	5013		317	159	15.2	0.502	0.0317	40.7				65.5%	34.5%	7.7%		92.3%			100.0%										
GM	Truck	Truck SUV	1982	19.2	14.9	18.6	16.4	5260		333	147	17.0	0.446	0.0283	51.8				63.1%	36.9%	8.3%		91.7%			52.1%				47.9%						
GM	Truck	Truck SUV	1983	20.2	15.5	20.0	17.3	4507		248	129	15.8	0.555	0.0286	45.9				84.8%	15.2%	23.0%		77.0%			86.1%				13.9%						
GM	Truck	Truck SUV	1984	20.0	15.3	19.9	17.1	4420		237	128	15.7	0.572	0.0289	44.4				85.5%	14.5%	22.7%		77.3%			93.8%				6.2%						
GM	Truck	Truck SUV	1985	20.1	15.3	20.2	17.2	4348		226	126	15.7	0.585	0.0287	43.9				87.2%	12.8%	19.9%		80.1%			94.7%			2.2%	3.1%						
GM	Truck	Truck SUV	1986	19.4	14.9	19.0	16.5	4290		222	130	14.3	0.628	0.0302	41.8				86.5%	13.5%	32.9%		67.1%			55.5%			40.5%	4.0%						
GM	Truck	Truck SUV	1987	19.3	14.6	19.0	16.3	4393		230	149	13.8	0.670	0.0334	42.2				86.6%	13.4%	20.4%		79.6%			11.4%			87.3%	1.3%						
GM	Truck	Truck SUV	1988	19.4	14.8	18.7	16.4	4463		248	157	13.4	0.660	0.0351	43.2				86.5%	13.5%	18.1%		81.9%					20.2%	78.8%	1.0%						
GM	Truck	Truck SUV	1989	20.0	15.1	19.1	16.8	4406		265	165	12.4	0.640	0.0373	43.8				87.5%	12.5%	16.9%		83.1%					11.9%	87.4%	0.7%						
GM	Truck	Truck SUV	1990	19.6	14.8	18.7	16.5	4431		255	158	12.1	0.652	0.0353	43.0				81.5%	18.5%	25.6%		74.4%					10.2%	88.9%	0.9%						
GM	Truck	Truck SUV	1991	20.5	15.4	19.7	17.2	4179		252	156	11.9	0.636	0.0373	42.8				92.1%	7.9%	15.4%		84.6%					3.6%	95.8%	0.5%						
GM	Truck	Truck SUV	1992	19.2	14.2	18.6	16.1	4349		258	171	11.3	0.680	0.0393	41.6				90.7%	9.3%	16.6%		83.4%					27.9%	72.1%							
GM	Truck	Truck SUV	1993	19.4	14.3	18.6	16.2	4622		277	193	10.0	0.722	0.0424	44.6				85.8%	14.2%	9.8%		90.2%					55.8%	44.2%							
GM	Truck	Truck SUV	1994	19.4	14.3	18.4	16.1	4731		270	192	10.1	0.738	0.0407	45.8				87.6%	12.4%	9.8%		90.2%					60.7%	39.3%		12.7%					
GM	Truck	Truck SUV	1995	19.4	14.2	18.4	16.1	4701		270	187	10.5	0.728	0.0401	45.5				89.6%	10.4%	8.1%		91.9%					64.4%	35.6%		21.0%					
GM	Truck	Truck SUV	1996	19.8	14.3	18.8	16.3	4786		281	207	10.4	0.752	0.0429	47.1				83.3%	16.7%	4.4%		95.6%					100.0%		0.0%	12.7%					
GM	Truck	Truck SUV	1997	19.4	13.9	18.5	16.0	4935		294	216	10.2	0.745	0.0435	47.7				81.0%	19.0%	2.5%		97.5%					100.0%		0.0%	8.8%					
GM	Truck	Truck SUV	1998	20.3	14.5	19.3	16.7	4625		272	205	10.5	0.766	0.0441	46.8				90.0%	10.0%	3.7%		96.3%					100.0%		0.0%	14.5%					
GM	Truck	Truck SUV	1999	19.8	14.2	18.4	16.2	4688		280	213	10.3	0.777	0.0451	46.2				63.6%	36.4%	3.2%		96.8%					100.0%			11.7%					
GM	Truck	Truck SUV	2000	19.5	13.9	18.0	15.9	4966		282	220	10.0	0.792	0.0441	48.3				87.7%	12.3%	1.5%		98.5%					100.0%			6.3%					
GM	Truck	Truck SUV	2001	18.8	13.5	17.0	15.2	5192		294	241	9.5	0.824	0.0461	48.5				72.2%	27.8%	0.7%		99.3%					100.0%			6.2%					
GM	Truck	Truck SUV	2002	19.4	13.5	18.4	15.8	5149		283	267	9.0	0.955	0.0520	49.9				70.5%	29.5%	0.4%		99.5%	0.1%				100.0%			40.9%	36.2%				
GM	Truck	Truck SUV	2003	19.1	13.3	18.0	15.5	5288		287	268	9.0	0.946	0.0507	50.5				66.6%	33.4%	0.2%		98.4%	1.3%				100.0%			41.2%	36.7%				
GM	Truck	Truck SUV	2004	19.4	13.4	18.2	15.7	5309		291	277	8.8	0.966	0.0525	51.4				67.5%	32.5%	0.0%		99.5%	0.5%				100.0%			43.3%	39.0%				
GM	Truck	Truck SUV	2005	19.5	13.3	18.2	15.7	5398		293	285	8.7	0.986	0.0531	52.5				67.7%	32.3%	0.0%		99.8%	0.2%				100.0%			44.3%	44.1%				
GM	Truck	Truck SUV	2006	20.2	13.8	18.8	16.3	5101		271	273	8.8	1.019	0.0537	51.3				74.8%	25.2%	0.5%		99.5%					100.0%			61.6%	62.5%				
GM	Truck	Truck SUV	2007	20.4	13.8	19.4	16.5	5574		301	304	8.5	1.020	0.0547	56.9			4.7%	61.4%	33.9%	0.2%		99.8%					100.0%			27.6%	43.5%				
GM	Truck	Truck SUV	2008	21.2	14.3	20.3	17.2	5315		275	290	8.6	1.071	0.0546	56.6			17.7%	56.8%	25.5%	0.2%		98.6%	1.2%				100.0%			49.8%	62.3%	1.2%			
GM	Truck	Truck SUV	2009	22.4	15.0	21.4	18.1	5266		259	298	8.0	1.179	0.0565	59.1			35.1%	43.2%	21.7%	0.1%		97.9%	2.0%			22.8%	77.2%			63.8%	72.9%	2.0%			
GM	Truck	Truck SUV	2010	23.3	15.6	22.3	18.8	5355		261	298	8.0	1.177	0.0558	62.4			36.1%	47.4%	16.5%	0.0%		99.6%	0.4%			62.7%	37.3%			64.4%	99.8%	0.4%			
GM	Truck	Truck SUV	2011	22.7	15.3	21.5	18.3	5523		275	319	7.8	1.198	0.0579	62.6			29.1%	55.2%	15.7%	0.0%		99.6%	0.4%			52.1%	47.9%			52.6%	100.0%	0.4%			
GM	Truck	Truck SUV	2012	23.2	15.5	21.9	18.6	5396		264	307	7.9	1.196	0.0570	62.5			35.8%	51.9%	12.3%			99.7%	0.3%			62.4%	37.6%			62.4%	100.0%	0.3%			
GM	Truck	Truck SUV	2013	23.7	15.9	22.3	19.0	5336		261	291	8.3	1.155	0.0540	63.2			18.2%	64.8%	17.0%			99.7%	0.3%			49.5%	50.5%			51.2%	100.0%	0.3%			
GM	Truck	Truck SUV	2014	24.8	16.5	23.2	19.8	5062		229	277	8.4	1.243	0.0541	62.5			32.4%	58.9%	8.7%			100.0%				72.7%	27.3%			76.8%	100.0%				
GM	Truck	Truck SUV	2015	24.9	16.6	23.5	19.9	5310		257	306	8.1	1.233	0.0567	65.7			18.4%	65.5%	16.1%			100.0%				93.9%	6.1%			53.1%	100.0%				
GM	Truck	Truck SUV	2016	24.3	16.2	23.1	19.6	5215		252	299	8.1	1.238	0.0562	63.4			17.8%	66.5%	15.7%			100.0%				91.7%	8.3%			55.0%	100.0%				
GM	Truck	Truck SUV	2017	25.1	16.8	23.7	20.1	4987		231	287	8.1	1.299	0.0569	62.7			23.6%	64.8%	11.6%			100.0%				94.4%	5.6%			70.4%	100.0%				

				Fuel Economy (MPG)														Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Truck	Pickup	1975	14.3	11.4	13.4	12.2	4073		321	148		0.468	0.0362	29.6				10.4%	89.6%	35.7%	64.3%				100.0%											
GM	Truck	Pickup	1976	14.6	11.7	13.3	12.4	4193		329	142		0.438	0.0338	31.1				18.6%	81.4%	31.1%	68.9%				100.0%											
GM	Truck	Pickup	1977	15.2	12.5	13.4	12.9	4214		325	145		0.459	0.0345	32.5				19.7%	80.3%	26.5%	73.5%				100.0%											
GM	Truck	Pickup	1978	14.7	12.2	12.8	12.5	4248		322	151	13.2	0.479	0.0355	31.9				27.4%	72.6%	27.2%	72.8%				97.6%				2.4%							
GM	Truck	Pickup	1979	15.2	12.6	13.4	12.9	4495		304	132	15.7	0.460	0.0294	35.0				5.9%	94.1%	32.4%	67.6%				94.6%				5.4%							
GM	Truck	Pickup	1980	18.5	14.7	17.1	15.7	4157		269	131	15.6	0.516	0.0314	38.9				21.4%	78.6%	39.4%	6.0%	54.7%			90.9%				9.1%							
GM	Truck	Pickup	1981	20.0	15.9	18.5	17.0	4012		259	129	15.5	0.511	0.0318	40.5				13.8%	86.2%	38.6%	1.1%	60.3%			91.4%				8.6%							
GM	Truck	Pickup	1982	21.9	17.2	20.7	18.6	3850		244	128	16.1	0.547	0.0334	42.3				10.5%	89.5%	35.6%	0.1%	64.3%			85.3%				14.7%							
GM	Truck	Pickup	1983	21.3	16.6	20.5	18.2	3931		244	130	14.6	0.556	0.0332	42.2				22.4%	77.6%	34.0%	0.1%	65.8%			92.5%				7.5%							
GM	Truck	Pickup	1984	20.7	16.1	20.0	17.6	3962		243	128	14.8	0.550	0.0323	41.3				21.9%	78.1%	31.4%	0.6%	68.0%			94.3%				5.7%							
GM	Truck	Pickup	1985	20.4	15.9	19.6	17.4	3926		241	133	14.2	0.570	0.0337	40.4				21.8%	78.2%	31.0%	4.3%	64.7%			84.8%			12.5%	2.6%							
GM	Truck	Pickup	1986	20.8	16.3	19.7	17.7	3893		238	134	13.3	0.587	0.0345	40.8				22.2%	77.8%	34.5%	6.3%	59.2%			66.9%			31.0%	2.1%							
GM	Truck	Pickup	1987	21.3	16.4	20.5	18.1	3749		231	141	13.0	0.628	0.0370	40.2				23.6%	76.4%	36.3%	9.2%	54.5%			10.6%			88.4%	1.0%							
GM	Truck	Pickup	1988	20.4	15.5	19.6	17.2	4013		270	160	12.5	0.605	0.0393	41.2				27.7%	72.3%	29.1%	9.2%	61.7%			2.3%		1.4%	95.8%	0.5%							
GM	Truck	Pickup	1989	20.5	15.6	19.7	17.3	3976		275	165	11.6	0.608	0.0409	41.0				27.0%	73.0%	33.2%	2.6%	64.2%			2.9%		1.9%	94.8%	0.4%							
GM	Truck	Pickup	1990	19.2	14.5	18.4	16.1	4241		300	179	10.7	0.603	0.0419	41.0				31.4%	68.6%	29.4%	6.8%	63.8%			4.8%		2.6%	92.1%	0.5%							
GM	Truck	Pickup	1991	21.4	15.9	20.6	17.9	3845		257	156	11.1	0.614	0.0400	41.2				22.7%	77.3%	45.2%		54.8%			3.0%		0.7%	95.9%	0.3%							
GM	Truck	Pickup	1992	20.3	15.0	19.6	17.0	4088		276	167	10.6	0.614	0.0406	41.6				26.2%	73.8%	39.1%		60.9%			4.3%		1.2%	94.2%	0.3%							
GM	Truck	Pickup	1993	20.2	14.8	19.4	16.8	4189		281	173	9.9	0.624	0.0413	42.2			0.0%	27.6%	72.4%	29.0%		71.0%			2.6%		1.5%	95.9%								
GM	Truck	Pickup	1994	20.0	14.7	19.1	16.6	4256		287	179	9.8	0.643	0.0420	42.9				33.1%	66.9%	21.8%		78.2%			2.1%		17.1%	80.8%								
GM	Truck	Pickup	1995	20.2	14.7	19.1	16.7	4270		278	173	10.2	0.655	0.0403	43.6				33.5%	66.5%	32.3%		67.7%					25.4%	74.6%								
GM	Truck	Pickup	1996	21.3	15.4	20.3	17.6	4304		273	197	10.1	0.740	0.0452	46.2				30.6%	69.4%	23.3%		76.7%					99.5%		0.5%							
GM	Truck	Pickup	1997	20.5	14.7	19.6	16.9	4597		289	213	9.9	0.751	0.0459	47.2				37.1%	62.9%	18.5%		81.5%					99.8%		0.2%							
GM	Truck	Pickup	1998	21.1	15.0	20.1	17.3	4311		267	201	10.4	0.770	0.0457	45.9				36.3%	63.7%	21.2%		78.8%					99.9%		0.1%							
GM	Truck	Pickup	1999	19.8	14.2	18.4	16.2	4763		293	228	10.0	0.785	0.0477	47.1				56.9%	43.1%	9.3%		90.7%					100.0%		0.0%							
GM	Truck	Pickup	2000	20.8	14.9	19.2	16.9	4401		272	219	9.5	0.808	0.0489	45.9				41.2%	58.8%	9.5%		90.5%					100.0%			0.4%						
GM	Truck	Pickup	2001	20.4	14.5	18.7	16.5	4592		279	227	9.3	0.815	0.0488	46.7				38.8%	61.2%	6.5%		93.5%					100.0%									
GM	Truck	Pickup	2002	19.1	13.5	17.5	15.4	4988		302	257	9.0	0.846	0.0515	47.5				51.4%	48.6%	2.3%		97.7%					100.0%									
GM	Truck	Pickup	2003	20.1	14.0	18.4	16.2	4712		277	235	9.4	0.848	0.0492	47.2				42.5%	57.5%	6.3%		93.7%					100.0%									
GM	Truck	Pickup	2004	20.0	14.0	18.1	16.1	4951		302	262	8.8	0.872	0.0530	49.5				50.3%	49.7%	2.8%		97.2%					100.0%			13.3%	13.3%	0.0%				
GM	Truck	Pickup	2005	20.4	14.1	18.8	16.4	4891		289	263	8.7	0.917	0.0537	49.9				48.7%	51.3%	4.3%		95.7%					100.0%			21.6%	21.6%	0.1%				
GM	Truck	Pickup	2006	20.7	14.3	19.0	16.6	4878		287	260	8.8	0.912	0.0531	50.4				44.7%	55.3%	4.3%		95.7%					100.0%			19.1%	19.1%	0.4%				
GM	Truck	Pickup	2007	20.3	14.0	18.8	16.4	5213		298	276	8.9	0.926	0.0528	53.0				45.3%	54.7%	1.8%		98.2%					100.0%			5.3%	11.4%	0.1%				
GM	Truck	Pickup	2008	20.9	14.3	19.4	16.8	5257		298	277	9.0	0.925	0.0524	54.8				50.6%	49.4%	1.0%		99.0%					100.0%			5.3%	14.7%					
GM	Truck	Pickup	2009	20.8	14.2	19.5	16.8	5325		305	291	8.4	0.953	0.0545	55.4				50.9%	49.1%	0.8%		98.6%	0.5%				100.0%			8.8%	9.9%	0.5%				
GM	Truck	Pickup	2010	21.5	14.5	20.3	17.3	5318		303	288	8.4	0.951	0.0540	57.2				60.5%	39.5%	0.4%		99.1%	0.4%				100.0%			10.1%	92.3%	0.4%				
GM	Truck	Pickup	2011	21.4	14.5	20.3	17.4	5365		309	300	8.2	0.970	0.0558	57.6				62.5%	37.5%	0.2%		99.5%	0.3%				100.0%			5.6%	92.4%	0.3%				
GM	Truck	Pickup	2012	21.8	14.8	20.7	17.7	5236		300	293	8.3	0.979	0.0558	57.1				61.9%	38.1%	0.4%		99.5%	0.2%				100.0%			14.5%	92.7%	0.2%				
GM	Truck	Pickup	2013	21.4	14.5	20.4	17.4	5436		317	310	8.0	0.977	0.0570	58.4				64.2%	35.8%			99.8%	0.2%				100.0%				92.0%	0.2%				
GM	Truck	Pickup	2014	23.9	16.2	22.3	19.2	5463		313	335	7.6	1.072	0.0613	65.2				65.7%	34.3%			100.0%				100.0%					100.0%					
GM	Truck	Pickup	2015	24.3	16.4	22.7	19.5	5353		303	332	7.5	1.105	0.0620	64.9				69.5%	30.5%	0.2%		99.8%				100.0%				12.3%	100.0%					
GM	Truck	Pickup	2016	24.4	16.5	22.8	19.6	5295		285	320	7.7	1.142	0.0604	64.5				67.9%	32.1%	0.3%		99.7%				98.0%			2.0%	28.1%	98.0%	0.1%				
GM	Truck	Pickup	2017	23.7	16.0	22.2	19.0	5471		302	334	7.5	1.121	0.0611	64.7				65.2%	34.8%	0.4%		99.6%				98.6%			1.4%	17.0%	98.6%	0.2%				

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	Truck	All	1975	14.1	11.3	12.9	12.0	4159		321	147		0.464	0.0354	29.7				14.6%	85.4%	32.3%	67.7%				100.0%										
GM	Truck	All	1976	14.3	11.6	13.0	12.2	4266		331	142		0.435	0.0334	31.1				22.1%	77.9%	28.4%	71.6%				100.0%										
GM	Truck	All	1977	15.1	12.5	13.3	12.8	4267		328	146		0.454	0.0343	32.7				22.6%	77.4%	24.0%	76.0%				100.0%										
GM	Truck	All	1978	14.5	12.0	12.7	12.3	4302		326	152	13.2	0.476	0.0355	31.9				28.1%	71.9%	23.3%	76.7%				98.2%				1.8%						
GM	Truck	All	1979	14.5	12.0	12.6	12.3	4585		314	134	15.8	0.447	0.0292	34.1				9.7%	90.3%	27.9%	72.1%				96.0%				4.0%						
GM	Truck	All	1980	17.9	14.2	16.6	15.2	4252		278	135	15.5	0.509	0.0317	38.4				21.9%	78.1%	35.0%	5.2%	59.8%			92.7%				7.3%						
GM	Truck	All	1981	19.4	15.5	18.0	16.5	4118		266	132	15.4	0.510	0.0320	40.4				14.7%	85.3%	33.2%	0.9%	65.9%			93.1%				6.9%						
GM	Truck	All	1982	21.0	16.6	19.8	17.9	4030		257	132	16.2	0.535	0.0331	42.6				12.5%	87.5%	29.5%	0.1%	70.4%			85.1%				14.9%						
GM	Truck	All	1983	20.6	16.1	19.8	17.6	4144		257	134	14.8	0.546	0.0325	43.0				28.6%	71.4%	26.5%	0.1%	73.5%			90.9%				9.1%						
GM	Truck	All	1984	20.1	15.6	19.4	17.1	4158		252	132	15.0	0.544	0.0317	41.9				31.4%	68.6%	24.6%	0.9%	74.6%			94.7%				5.3%						
GM	Truck	All	1985	20.0	15.5	19.3	17.0	4098		246	136	14.4	0.568	0.0330	41.3				32.5%	67.5%	22.6%	2.5%	74.9%			89.6%			8.0%	2.4%						
GM	Truck	All	1986	20.1	15.7	19.1	17.1	4068		245	137	13.5	0.585	0.0338	41.1				30.8%	69.2%	26.1%	4.8%	69.1%			59.7%			38.2%	2.1%						
GM	Truck	All	1987	20.4	15.6	19.6	17.3	4029		245	151	13.1	0.629	0.0370	41.1				32.1%	67.9%	23.0%	10.6%	66.4%			7.9%			91.3%	0.8%						
GM	Truck	All	1988	20.2	15.4	19.4	17.0	4140		269	161	12.7	0.612	0.0386	41.9				33.0%	67.0%	21.2%	9.0%	69.8%			1.4%		4.7%	93.4%	0.6%						
GM	Truck	All	1989	20.3	15.4	19.5	17.1	4120		276	166	11.9	0.609	0.0399	42.0				34.1%	65.9%	22.7%	2.6%	74.7%			1.7%		3.6%	94.3%	0.4%						
GM	Truck	All	1990	19.7	14.8	18.9	16.6	4281		280	168	11.5	0.612	0.0390	42.4			10.2%	31.0%	58.7%	19.6%	4.7%	75.7%			2.5%		3.1%	94.0%	0.5%						
GM	Truck	All	1991	21.1	15.7	20.3	17.7	4006		257	156	11.6	0.616	0.0386	42.3			5.0%	34.2%	60.8%	29.7%		70.3%			1.8%		1.2%	96.7%	0.4%						
GM	Truck	All	1992	20.2	15.0	19.5	16.9	4195		270	167	11.0	0.629	0.0397	42.5			6.9%	33.1%	60.1%	24.5%		75.5%			2.3%		11.1%	86.3%	0.2%						
GM	Truck	All	1993	20.1	14.8	19.4	16.8	4329		277	178	10.1	0.652	0.0411	43.5			5.4%	35.6%	59.0%	17.6%		82.4%			1.4%		19.6%	79.1%							
GM	Truck	All	1994	20.1	14.7	19.1	16.7	4388		278	181	10.0	0.671	0.0413	44.2			5.5%	41.9%	52.6%	14.4%		85.6%			1.1%		32.0%	66.9%		3.2%					
GM	Truck	All	1995	20.0	14.6	19.0	16.6	4420		273	179	10.4	0.682	0.0405	44.5			6.0%	44.8%	49.2%	17.1%		82.9%					46.0%	54.0%		6.5%					
GM	Truck	All	1996	20.7	15.0	19.7	17.1	4503		274	200	10.3	0.748	0.0442	46.7			3.3%	48.0%	48.7%	13.0%		87.0%					99.8%		0.2%	5.1%					
GM	Truck	All	1997	20.4	14.6	19.4	16.8	4662		282	211	10.0	0.764	0.0452	47.5			8.3%	46.2%	45.5%	9.2%		90.8%					99.9%		0.1%	3.1%					
GM	Truck	All	1998	21.1	15.0	20.0	17.3	4394		263	201	10.4	0.785	0.0454	46.5			11.1%	44.9%	44.1%	11.7%		88.3%					99.9%		0.1%	4.1%					
GM	Truck	All	1999	20.2	14.4	18.8	16.5	4656		280	217	10.2	0.788	0.0464	47.0			9.9%	48.6%	41.6%	5.9%		94.1%					100.0%		0.0%	3.1%					
GM	Truck	All	2000	20.6	14.7	19.1	16.8	4559		269	214	9.8	0.804	0.0466	47.0			9.7%	48.8%	41.5%	5.2%		94.8%					100.0%			2.1%					
GM	Truck	All	2001	20.0	14.3	18.4	16.2	4786		278	227	9.5	0.823	0.0471	47.9			9.7%	47.1%	43.3%	3.1%		96.9%					100.0%			2.6%					
GM	Truck	All	2002	19.6	13.7	18.3	15.9	4993		284	255	9.1	0.902	0.0510	48.9			6.5%	56.7%	36.8%	1.0%		98.9%	0.1%				100.0%			21.7%	19.2%				
GM	Truck	All	2003	20.0	13.9	18.7	16.2	4933		275	245	9.3	0.896	0.0493	49.2			8.3%	50.2%	41.5%	2.6%		96.8%	0.6%				100.0%			19.5%	17.4%				
GM	Truck	All	2004	19.9	13.8	18.4	16.1	5085		290	264	8.9	0.919	0.0521	50.6			5.2%	55.7%	39.2%	1.1%		98.6%	0.3%				100.0%			27.7%	25.4%	0.0%			
GM	Truck	All	2005	20.2	13.9	18.8	16.3	5075		284	266	8.8	0.942	0.0523	51.2			7.5%	52.6%	39.9%	1.9%		98.0%	0.1%				100.0%			29.2%	29.1%	0.1%			
GM	Truck	All	2006	20.7	14.2	19.1	16.6	4954		275	260	8.9	0.955	0.0525	51.1			6.5%	53.6%	39.9%	2.3%		97.7%					100.0%			34.7%	35.3%	0.2%			
GM	Truck	All	2007	20.5	13.9	19.3	16.5	5365		297	288	8.7	0.974	0.0536	55.0			6.2%	51.0%	42.8%	0.9%		99.1%					100.0%			16.1%	30.6%	0.0%			
GM	Truck	All	2008	21.2	14.3	20.0	17.1	5244		284	280	8.8	0.997	0.0533	55.5			13.8%	50.1%	36.1%	0.5%		98.9%	0.6%				100.0%			25.9%	41.5%	0.6%			
GM	Truck	All	2009	21.4	14.5	20.2	17.3	5299		285	293	8.3	1.047	0.0551	56.9			15.0%	46.9%	38.0%	0.5%		98.3%	1.1%			9.8%	90.2%			32.2%	36.7%	1.1%			
GM	Truck	All	2010	22.3	15.0	21.2	18.0	5336		282	292	8.3	1.057	0.0547	59.6			17.4%	53.2%	29.4%	0.2%		99.4%	0.4%			30.2%	69.8%			36.1%	94.8%	0.4%			
GM	Truck	All	2011	22.0	14.9	20.9	17.8	5446		292	309	8.0	1.083	0.0567	60.1			14.6%	58.3%	27.0%	0.1%		99.6%	0.3%			26.3%	73.7%			29.2%	95.7%	0.3%			
GM	Truck	All	2012	22.4	15.1	21.2	18.1	5320		281	299	8.1	1.086	0.0561	59.8			18.2%	55.7%	26.1%	0.2%		99.6%	0.2%			31.7%	68.3%			38.5%	95.1%	0.2%			
GM	Truck	All	2013	22.6	15.2	21.3	18.2	5381		286	299	8.2	1.070	0.0552	60.9			9.7%	63.7%	26.5%			99.8%	0.2%			26.5%	73.5%			27.4%	95.4%	0.2%			
GM	Truck	All	2014	24.1	16.2	22.6	19.3	5306		280	311	7.9	1.134	0.0582	63.9			12.6%	62.2%	25.2%			100.0%				87.6%	12.4%			29.9%	98.9%				
GM	Truck	All	2015	24.6	16.5	23.1	19.7	5332		279	318	7.8	1.171	0.0592	65.3			9.6%	67.3%	23.1%	0.1%		99.9%				96.7%	3.3%			33.5%	100.0%				
GM	Truck	All	2016	24.4	16.4	22.9	19.6	5255		268	309	7.9	1.191	0.0583	63.9			9.1%	67.2%	23.7%	0.2%		99.8%				94.7%	4.3%		1.0%	41.9%	99.0%	0.1%			
GM	Truck	All	2017	24.4	16.4	22.9	19.6	5227		267	310	7.8	1.203	0.0589	63.7			12.0%	64.3%	23.7%	0.2%		98.8%	1.0%			95.6%	3.6%		0.7%	42.6%	99.3%	0.1%			

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
GM	All	All	1975	14.9	11.7	14.0	12.7	4432		338	150		0.453	0.0337	33.2			1.9%	2.9%	95.2%	12.0%	88.0%				98.2%		1.8%								
GM	All	All	1976	16.1	12.7	15.1	13.7	4373		330	147		0.455	0.0333	35.4			2.0%	4.6%	93.4%	11.4%	88.6%				98.7%		1.3%								
GM	All	All	1977	17.2	13.7	15.9	14.6	4201		317	145		0.464	0.0345	36.4			1.9%	4.2%	93.9%	7.6%	92.4%				99.0%		1.0%								
GM	All	All	1978	17.8	14.2	16.6	15.2	3898		297	139	13.3	0.477	0.0355	35.3			1.9%	6.0%	92.1%	9.5%	90.5%				97.6%		1.4%		0.9%						
GM	All	All	1979	18.0	14.4	16.5	15.3	3928		290	135	14.2	0.483	0.0345	35.8			3.2%	2.0%	94.8%	10.6%	85.2%	4.2%			95.5%		1.6%		2.9%						
GM	All	All	1980	21.3	16.6	20.4	18.1	3495		232	116	15.0	0.533	0.0334	37.3			23.9%	2.8%	73.3%	15.7%	59.0%	25.3%			93.8%		0.3%	0.9%	5.1%						
GM	All	All	1981	22.6	17.5	21.9	19.3	3538		232	114	15.4	0.519	0.0321	40.1			22.2%	2.0%	75.8%	12.5%	27.2%	60.2%			88.8%			3.3%	7.9%						
GM	All	All	1982	23.5	18.0	23.4	20.1	3490		221	115	16.2	0.551	0.0328	41.3			30.4%	2.3%	67.3%	12.6%	0.1%	87.3%			75.4%			16.8%	7.8%						
GM	All	All	1983	22.9	17.5	22.9	19.5	3582		229	120	14.5	0.551	0.0334	41.1			29.7%	5.5%	64.8%	10.6%	0.2%	89.2%			73.2%		0.2%	23.2%	3.4%						
GM	All	All	1984	23.5	17.9	23.5	20.0	3498		217	118	14.5	0.576	0.0337	41.2			36.2%	5.8%	58.1%	11.8%	0.3%	87.8%			70.4%		0.8%	27.2%	1.7%						
GM	All	All	1985	24.0	18.2	24.2	20.5	3497		215	121	14.1	0.587	0.0344	42.2			46.6%	7.1%	46.2%	10.0%	1.2%	88.8%			56.9%		13.3%	29.1%	0.7%						
GM	All	All	1986	25.1	19.0	25.2	21.4	3366		202	120	13.3	0.624	0.0354	42.6			56.2%	6.5%	37.3%	12.7%	2.5%	84.7%			40.6%		20.4%	38.6%	0.4%						
GM	All	All	1987	25.3	18.9	25.5	21.4	3386		204	129	13.0	0.658	0.0377	43.0			58.7%	7.3%	34.0%	11.1%	4.0%	84.9%			19.6%		29.1%	51.1%	0.2%						
GM	All	All	1988	25.2	18.8	25.3	21.3	3444		206	133	12.9	0.675	0.0384	43.8			61.9%	9.5%	28.6%	13.1%	3.9%	83.1%			9.1%		36.7%	54.0%	0.2%						
GM	All	All	1989	24.8	18.3	24.8	20.9	3477		215	143	11.9	0.693	0.0408	43.3			60.9%	10.4%	28.7%	12.4%	1.9%	85.7%			3.5%		39.7%	56.7%	0.1%						
GM	All	All	1990	24.5	17.9	24.6	20.6	3560		212	146	11.2	0.722	0.0408	43.8			68.9%	9.2%	21.8%	11.3%	2.1%	86.6%			1.5%		48.4%	49.9%	0.1%						
GM	All	All	1991	24.8	18.0	24.9	20.8	3500		211	144	11.3	0.716	0.0410	43.5			59.6%	11.1%	29.4%	16.7%	1.6%	81.7%			0.6%		37.6%	61.7%	0.1%						
GM	All	All	1992	24.2	17.4	24.5	20.3	3585		217	152	10.7	0.738	0.0423	43.6			63.3%	10.2%	26.5%	14.2%	2.0%	83.9%			0.8%		58.6%	40.5%	0.1%						
GM	All	All	1993	24.3	17.5	24.3	20.3	3631		219	157	9.9	0.751	0.0432	44.3			61.8%	11.9%	26.2%	13.0%	1.0%	86.0%			0.5%		62.8%	36.6%							
GM	All	All	1994	24.1	17.3	23.7	20.0	3700		221	161	9.8	0.765	0.0434	44.7			56.1%	15.6%	28.3%	12.4%	0.9%	86.6%			0.4%		70.0%	29.6%		9.7%					
GM	All	All	1995	23.9	17.0	23.6	19.8	3760		223	170	9.7	0.803	0.0455	45.2			56.5%	17.2%	26.3%	12.3%	0.7%	87.0%					77.5%	22.5%		14.8%					
GM	All	All	1996	24.7	17.4	24.3	20.4	3766		220	179	9.9	0.841	0.0473	46.5			57.9%	17.2%	24.9%	10.4%		89.6%					99.9%		0.1%	18.0%					
GM	All	All	1997	24.4	17.1	23.9	20.1	3841		222	185	9.8	0.860	0.0481	46.8			60.2%	17.9%	21.9%	8.8%	1.1%	90.1%					98.5%	1.5%	0.0%	18.7%					
GM	All	All	1998	24.5	17.1	23.9	20.1	3781		220	185	10.0	0.863	0.0486	46.4			59.7%	17.6%	22.7%	9.0%	0.4%	90.6%					99.7%	0.3%	0.0%	16.9%					
GM	All	All	1999	23.7	16.6	22.9	19.4	3935		228	190	10.0	0.855	0.0481	46.7			57.2%	20.2%	22.6%	6.1%	0.4%	93.5%					99.8%	0.2%	0.0%	18.8%					
GM	All	All	2000	23.8	16.5	22.8	19.4	3962		228	193	9.6	0.860	0.0483	47.2			52.9%	21.9%	25.2%	4.8%	0.5%	94.6%					99.9%	0.1%		14.2%	0.8%				
GM	All	All	2001	23.8	16.5	22.6	19.4	4032		228	198	9.3	0.886	0.0491	48.1			54.6%	19.9%	25.5%	4.1%	0.4%	95.5%					100.0%			16.3%	1.2%				
GM	All	All	2002	23.2	15.9	22.0	18.8	4210		239	216	9.1	0.916	0.0512	48.7			49.5%	28.1%	22.3%	3.6%		96.4%	0.1%				100.0%			23.8%	10.1%				
GM	All	All	2003	23.1	15.8	21.9	18.7	4272		236	215	9.2	0.926	0.0502	49.3			46.8%	27.6%	25.6%	3.6%		95.3%	1.1%				100.0%			29.6%	11.0%				
GM	All	All	2004	23.4	15.9	22.1	18.9	4287		242	225	8.9	0.946	0.0523	50.1			47.6%	29.1%	23.4%	3.5%		95.8%	0.7%				100.0%			36.7%	17.1%	0.0%			
GM	All	All	2005	23.8	16.0	22.5	19.1	4276		236	225	8.9	0.963	0.0524	50.8			48.8%	28.1%	23.0%	3.5%		96.5%	0.0%				100.0%			32.8%	19.6%	0.0%			
GM	All	All	2006	24.4	16.4	23.0	19.6	4183		229	224	8.9	0.993	0.0534	51.0			53.8%	24.9%	21.4%	4.4%		95.6%					100.0%			42.8%	27.8%	0.1%			
GM	All	All	2007	23.8	15.9	22.6	19.1	4492		243	241	8.9	1.007	0.0534	53.2			47.6%	27.0%	25.5%	3.3%		96.7%				0.1%	99.9%			31.4%	37.5%	0.2%			
GM	All	All	2008	24.4	16.3	23.3	19.6	4421		235	239	8.9	1.038	0.0539	53.8			53.1%	25.8%	21.2%	2.4%		97.3%	0.3%			1.4%	98.6%			41.0%	50.2%	0.4%			
GM	All	All	2009	25.6	17.1	24.3	20.6	4305		222	235	8.6	1.082	0.0541	55.3			58.1%	21.6%	20.3%	3.0%		96.6%	0.5%			5.8%	94.2%			53.0%	60.8%	1.0%			
GM	All	All	2010	26.5	17.5	25.3	21.3	4349		221	245	8.4	1.139	0.0562	57.6			54.5%	25.6%	19.8%	3.2%		96.6%	0.1%			33.7%	66.3%			61.8%	94.8%	0.2%			
GM	All	All	2011	25.8	17.1	24.5	20.7	4566		225	254	8.4	1.178	0.0552	59.2			49.9%	32.0%	18.1%	1.9%		97.8%	0.3%			34.9%	65.1%			57.6%	95.1%	0.1%			
GM	All	All	2012	27.2	17.9	25.8	21.7	4392		208	244	8.4	1.231	0.0551	60.8			56.3%	28.4%	15.2%	2.8%		96.4%	0.9%			48.9%	51.1%			74.5%	97.1%	1.6%			
GM	All	All	2013	27.7	18.3	26.2	22.1	4399		209	249	8.3	1.258	0.0560	62.5			55.1%	28.3%	16.5%	2.3%		96.4%	1.3%			53.0%	47.0%			69.9%	96.9%	3.2%			
GM	All	All	2014	28.6	18.9	26.7	22.7	4410		209	255	8.2	1.289	0.0571	64.2			53.0%	29.9%	17.1%	2.0%	0.1%	95.5%	2.5%			73.9%	25.6%		0.4%	67.7%	98.6%	1.2%			
GM	All	All	2015	28.0	18.5	26.2	22.2	4602		224	272	8.1	1.276	0.0584	65.0			43.5%	38.7%	17.7%	1.3%	0.1%	97.3%	1.3%			84.5%	15.3%		0.1%	62.4%	99.4%	0.6%			
GM	All	All	2016	28.2	18.7	26.4	22.4	4518		211	264	8.1	1.336	0.0576	65.1			44.7%	38.5%	16.8%	1.1%	0.1%	97.5%	1.3%			86.0%	13.4%		0.5%	67.0%	99.3%	0.6%			
GM	All	All	2017	29.1	19.3	26.9	23.0	4443		206	264	7.9	1.386	0.0588	69.2			44.0%	37.2%	18.9%	2.6%	0.9%	93.4%	3.1%			90.9%	7.6%		0.7%	68.0%	98.3%	1.9%			

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Car	Car	1975	22.0	17.0	21.5	18.8	2718		121	89		0.738	0.0325	30.0					100.0%	68.3%	31.7%				100.0%								100.0%		
Toyota	Car	Car	1976	25.0	19.1	24.9	21.3	2735		115	85		0.741	0.0309	34.3					100.0%	62.0%	38.0%				100.0%								100.0%		
Toyota	Car	Car	1977	28.7	22.3	27.8	24.5	2628	88.1	108	80		0.742	0.0301	38.2	2593	3361			100.0%	74.8%	25.2%				100.0%								100.0%		
Toyota	Car	Car	1978	26.8	21.0	25.6	22.8	2622	90.7	113	82	14.4	0.741	0.0313	35.8	2491	3233			100.0%	68.2%	31.8%				100.0%								100.0%		
Toyota	Car	Car	1979	24.0	18.7	23.1	20.5	2701	88.1	113	81	16.0	0.730	0.0299	32.7	2166	2882			100.0%	64.3%	35.7%				94.1%		5.9%						100.0%		
Toyota	Car	Car	1980	27.4	21.7	25.7	23.3	2620	91.0	115	78	16.3	0.682	0.0298	36.2	2561	3295	18.1%		81.9%	63.4%	36.6%				94.8%		5.2%						100.0%		
Toyota	Car	Car	1981	30.9	24.6	28.7	26.3	2557	90.5	114	76	16.6	0.667	0.0294	39.8	2851	3595	20.4%		79.6%	58.7%	41.3%				93.6%		6.4%						100.0%		
Toyota	Car	Car	1982	30.4	24.0	28.7	25.9	2575	91.4	118	81	17.2	0.682	0.0308	39.3	2829	3591	25.0%		75.0%	56.5%	39.3%	4.2%			87.2%		12.8%						100.0%		
Toyota	Car	Car	1983	32.6	25.9	30.4	27.7	2663	96.2	115	85	15.8	0.728	0.0311	43.6	3221	4196	28.3%	31.5%	40.3%	56.7%	31.4%	11.9%			61.3%		38.7%						100.0%		
Toyota	Car	Car	1984	32.9	26.0	30.9	28.0	2697	99.8	116	87	15.5	0.740	0.0316	44.6	3372	4455	54.4%	5.5%	40.1%	47.7%	13.6%	38.7%			53.8%		44.4%	1.8%					100.0%		
Toyota	Car	Car	1985	32.8	25.9	31.1	28.0	2708	101.6	116	91	15.2	0.774	0.0329	44.6	3420	4544	35.6%	25.5%	38.9%	45.2%	10.0%	44.8%			48.0%		51.5%	0.5%					99.5%	0.5%	
Toyota	Car	Car	1986	32.3	25.2	30.5	27.3	2761	98.4	115	97	13.8	0.833	0.0345	44.7	3240	4397	81.9%		18.1%	41.2%	5.4%	53.4%			40.2%		59.6%	0.2%	14.8%				99.3%	0.7%	
Toyota	Car	Car	1987	32.9	25.4	31.2	27.8	2831	98.7	115	107	13.4	0.916	0.0369	46.7	3320	4616	81.3%	1.0%	17.8%	37.9%	1.0%	61.1%			40.4%		59.6%		69.0%				99.8%	0.2%	
Toyota	Car	Car	1988	32.7	25.2	30.6	27.5	2786	96.3	111	105	13.5	0.932	0.0371	45.6	3192	4396	93.9%	0.9%	5.2%	33.6%	0.1%	66.4%			48.2%		51.8%		89.8%				100.0%		
Toyota	Car	Car	1989	31.8	24.3	29.8	26.7	2836	96.3	115	110	12.7	0.952	0.0383	45.2	3113	4359	90.5%	1.2%	8.3%	28.9%		71.1%			45.0%		55.0%		100.0%				100.0%		
Toyota	Car	Car	1990	30.4	23.0	28.5	25.4	2961	97.1	122	121	11.6	0.994	0.0402	45.1	2993	4387	91.2%	0.5%	8.2%	23.1%		76.9%			10.8%		89.2%		100.0%	5.7%			94.3%	5.7%	
Toyota	Car	Car	1991	30.6	23.0	28.5	25.4	2921	97.3	120	120	11.6	0.999	0.0405	44.7	3023	4363	84.7%		15.3%	27.0%		73.0%					100.0%		100.0%	5.6%			94.4%	5.6%	
Toyota	Car	Car	1992	28.9	21.5	27.2	24.0	3096	101.9	129	131	11.2	1.017	0.0415	44.6	2989	4558	60.7%		39.3%	21.6%		78.4%					100.0%		100.0%	7.7%			60.2%	39.8%	
Toyota	Car	Car	1993	29.0	21.2	27.5	24.0	3142	104.7	132	138	10.2	1.039	0.0430	45.5	3091	4774	91.3%		8.7%	19.0%		81.0%					100.0%		100.0%	8.3%			55.4%	44.6%	
Toyota	Car	Car	1994	29.1	21.1	27.6	24.0	3145	104.8	131	131	10.4	1.002	0.0412	45.6	3094	4792	94.2%		5.8%	17.2%		82.8%					100.0%		100.0%	5.4%			53.3%	46.7%	
Toyota	Car	Car	1995	30.0	21.6	28.6	24.7	3177	105.9	135	139	10.8	1.030	0.0431	47.7	3222	5056	62.0%		38.0%	10.9%		89.1%					100.0%		100.0%	6.0%			49.1%	43.3%	7.6%
Toyota	Car	Car	1996	29.5	21.1	27.9	24.2	3204	107.1	134	134	11.1	0.997	0.0414	47.3	3196	5066	96.0%		4.0%	8.2%		91.8%					100.0%		100.0%	3.9%			43.4%	48.0%	8.6%
Toyota	Car	Car	1997	29.8	21.1	28.3	24.3	3232	106.2	137	142	10.8	1.030	0.0432	48.2	3190	5135	96.9%		3.1%	5.7%		94.3%					100.0%		100.0%	3.0%			43.6%	47.3%	9.1%
Toyota	Car	Car	1998	30.2	21.2	28.6	24.6	3313	108.3	143	152	10.7	1.057	0.0456	50.3	3317	5449	93.1%		6.9%	4.0%		96.0%					100.0%		100.0%	6.8%			35.7%	55.1%	9.2%
Toyota	Car	Car	1999	30.4	21.2	28.5	24.6	3304	107.8	142	153	10.6	1.070	0.0459	50.3	3310	5425	94.5%		5.5%	4.9%		95.1%					100.0%		100.0%	10.5%			40.9%	52.4%	6.7%
Toyota	Car	Car	2000	30.5	21.1	28.8	24.7	3260	107.6	141	155	9.9	1.107	0.0475	49.9	3331	5382	95.3%		4.7%	7.7%		92.3%					100.0%		100.0%	52.7%			43.2%	45.5%	11.3%
Toyota	Car	Car	2001	31.3	21.4	29.3	25.1	3242	106.9	141	156	9.8	1.106	0.0477	51.5	3441	5501	88.9%		11.1%	6.4%		91.9%	1.8%				100.0%		100.0%	60.8%	1.8%	49.8%	38.0%	12.2%
Toyota	Car	Car	2002	30.7	20.9	28.8	24.6	3352	111.1	154	170	9.5	1.107	0.0503	52.1	3494	5794	89.3%		10.7%	5.4%		92.2%	2.4%				100.0%		100.0%	87.8%	2.4%	34.4%	58.4%	7.2%
Toyota	Car	Car	2003	32.4	21.9	30.1	25.8	3200	111.0	140	159	9.4	1.142	0.0493	52.3	3668	5808	93.1%	0.8%	6.1%	6.0%		92.7%	1.3%				100.0%		100.0%	97.5%	1.3%	48.9%	42.8%	8.3%
Toyota	Car	Car	2004	32.7	21.9	30.2	25.9	3295	111.8	143	162	9.4	1.131	0.0485	55.1	3808	6162	92.8%	0.7%	6.4%	5.5%		89.7%	4.8%				100.0%		100.0%	100.0%	4.8%	46.4%	45.3%	8.3%
Toyota	Car	Car	2005	34.7	23.1	31.4	27.2	3223	110.6	137	153	9.4	1.114	0.0468	57.9	4050	6424	95.7%	0.8%	3.5%	7.7%		83.5%	8.9%				100.0%		100.0%	100.0%	8.9%	48.8%	44.8%	6.4%
Toyota	Car	Car	2006	34.5	23.0	31.1	27.0	3236	108.7	138	158	9.5	1.128	0.0476	57.3	3935	6256	88.8%	3.6%	7.6%	8.1%		84.7%	7.2%				100.0%		100.0%	100.0%	7.2%	60.1%	30.4%	9.5%
Toyota	Car	Car	2007	34.9	23.3	31.5	27.3	3362	109.8	145	169	9.3	1.138	0.0490	60.7	4052	6691	92.9%	1.5%	5.6%	5.1%		82.0%	12.9%				100.0%		100.0%	100.0%	13.1%	39.2%	56.3%	4.5%
Toyota	Car	Car	2008	36.0	24.2	31.9	28.1	3322	108.9	141	164	9.3	1.125	0.0478	62.9	4242	6886	90.4%	2.4%	7.2%	6.1%		76.0%	17.8%			0.8%	99.2%		100.0%	100.0%	18.1%	48.5%	46.0%	5.4%
Toyota	Car	Car	2009	36.3	24.3	32.4	28.3	3315	109.8	134	154	9.5	1.141	0.0457	61.8	4145	6800	95.4%	2.1%	2.5%	4.1%		85.2%	10.7%			3.1%	96.9%		100.0%	100.0%	10.8%	50.0%	48.2%	1.8%
Toyota	Car	Car	2010	39.4	26.5	34.2	30.4	3335	109.3	131	152	9.5	1.141	0.0450	71.3	4707	7874	95.1%	1.6%	3.3%	2.5%		76.4%	21.0%			2.6%	97.4%		100.0%	100.0%	21.0%	51.0%	47.9%	1.1%
Toyota	Car	Car	2011	36.6	24.2	32.4	28.3	3470	112.2	145	171	9.0	1.159	0.0485	67.8	4410	7624	95.7%	1.5%	2.9%	1.5%		83.4%	15.1%			4.3%	95.7%		100.0%	100.0%	15.1%	31.7%	63.0%	5.3%
Toyota	Car	Car	2012	41.1	27.5	34.6	31.1	3389	112.9	137	156	9.2	1.120	0.0456	74.8	5013	8495	96.6%	1.0%	2.4%	1.2%		71.9%	26.8%			2.3%	97.7%		100.0%	100.0%	26.0%	35.6%	62.7%	1.7%
Toyota	Car	Car	2013	41.0	27.3	34.4	31.0	3405	111.3	139	162	9.1	1.146	0.0470	75.6	4976	8479	91.9%	2.0%	6.1%	2.7%		69.5%	27.8%			1.0%	99.0%		100.0%	100.0%	27.5%	41.6%	58.4%	
Toyota	Car	Car	2014	40.7	27.0	34.6	30.9	3415	113.7	141	165	8.9	1.155	0.0476	73.7	4947	8403	92.6%	2.0%	5.4%	1.5%		55.3%	43.2%			3.4%	96.6%		100.0%	100.0%	20.6%	14.5%	85.5%	
Toyota	Car	Car	2015	41.2	27.3	34.9	31.2	3407	112.9	139	163	9.0	1.154	0.0471	74.9	5014	8487	90.6%	2.5%	6.9%	1.3%		50.5%	48.1%			3.6%	96.4%		100.0%	100.0%	22.2%	15.9%	84.1%	
Toyota	Car	Car	2016	40.8	27.0	35.1	31.1	3365	112.9	136	163	9.0	1.186	0.0477	71.9	4879	8152	92.9%	1.9%	5.2%	1.3%		51.5%	47.2%			3.2%	96.8%		99.9%	99.9%	14.4%	13.4%	86.6%	
Toyota	Car	Car	2017	42.7	28.5	35.9	32.3	3419	114.1	136	159	9.0	1.152	0.0458	80.1	5392	9178	93.2%	1.8%	5.0%	1.2%		46.8%	52.0%			2.8%	97.2%		99.8%	99.8%	25.6%	11.4%	88.6%	

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Car	Car SUV	1975	12.0	9.0	12.2	10.2	4000		257	110		0.428	0.0275	24.0					100.0%	100.0%					100.0%											
Toyota	Car	Car SUV	1976	10.7	8.0	11.3	9.2	4000		258	125		0.484	0.0313	21.5					100.0%	100.0%					100.0%											
Toyota	Car	Car SUV	1977	13.7	10.7	13.1	11.7	4000		258	125		0.484	0.0313	28.2					100.0%	100.0%					100.0%											
Toyota	Car	Car SUV	1978	13.0	9.8	13.1	11.1	4000		258	125	14.2	0.484	0.0313	26.4					100.0%	100.0%					100.0%											
Toyota	Car	Car SUV	1979	13.8	11.0	12.8	11.7	4000		258	125	14.1	0.484	0.0313	27.6					100.0%	100.0%					100.0%											
Toyota	Car	Car SUV	1980																																	
Toyota	Car	Car SUV	1981																																	
Toyota	Car	Car SUV	1982																																	
Toyota	Car	Car SUV	1983																																	
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Toyota	Car	Car SUV	1987																																	
Toyota	Car	Car SUV	1988																																	
Toyota	Car	Car SUV	1989																																	
Toyota	Car	Car SUV	1990	20.9	16.1	19.1	17.4	4000		173	143	12.3	0.828	0.0359	41.8					100.0%		19.4%	80.6%						100.0%								
Toyota	Car	Car SUV	1991	21.4	16.3	20.0	17.9	4000		178	147	12.1	0.830	0.0369	42.9					100.0%		6.7%	93.3%						100.0%								
Toyota	Car	Car SUV	1992	17.1	13.0	15.7	14.2	4000		180	150	11.7	0.833	0.0375	34.1					100.0%			100.0%						100.0%								
Toyota	Car	Car SUV	1993	18.2	13.7	16.7	15.1	4000		180	150	10.9	0.833	0.0375	36.3					100.0%			100.0%						100.0%								
Toyota	Car	Car SUV	1994																																	
Toyota	Car	Car SUV	1995	21.4	15.8	19.8	17.6	4000		180	150	11.1	0.833	0.0375	42.7					100.0%			100.0%						100.0%			100.0%					
Toyota	Car	Car SUV	1996	25.9	19.0	23.5	21.1	3333		164	151	10.5	0.933	0.0451	43.4			42.9%		57.1%	15.0%		85.0%						100.0%			100.0%					
Toyota	Car	Car SUV	1997	27.9	20.4	25.0	22.6	3019		135	131	10.7	0.970	0.0433	42.2			58.2%		41.8%	38.8%	17.4%	43.7%						100.0%			100.0%					
Toyota	Car	Car SUV	1998	29.8	21.6	26.8	24.1	3053		124	126	11.5	1.019	0.0414	45.5			94.7%		5.3%	20.9%		79.1%						100.0%			100.0%					
Toyota	Car	Car SUV	1999	27.5	19.7	24.9	22.2	3449		149	169	10.4	1.113	0.0480	47.2			100.0%			8.8%		91.2%						100.0%			100.0%	44.9%				
Toyota	Car	Car SUV	2000	26.4	18.8	24.0	21.3	3591		158	182	9.7	1.136	0.0498	47.3			100.0%			4.7%		95.3%						100.0%			100.0%	59.1%				
Toyota	Car	Car SUV	2001	27.1	19.1	24.4	21.7	3454		150	181	9.3	1.208	0.0519	46.6			100.0%			5.1%		94.9%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2002	27.7	19.4	24.8	22.1	3359		144	174	9.5	1.209	0.0514	46.4			100.0%			4.5%		95.5%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2003	28.4	19.8	25.3	22.5	3256		138	166	9.5	1.210	0.0508	46.1			100.0%			5.2%		94.8%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2004	27.2	18.8	24.4	21.6	3600		179	202	8.6	1.130	0.0560	48.8			100.0%			2.2%		97.8%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2005	27.8	19.1	24.7	22.0	3485		172	194	8.7	1.128	0.0555	48.3			100.0%			2.8%		97.2%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2006	29.0	19.8	25.9	22.9	3693		168	194	9.2	1.156	0.0521	53.7			100.0%					100.0%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2007	27.8	19.1	24.8	22.0	3765		184	216	8.8	1.177	0.0569	52.6			85.9%		14.1%			100.0%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2008	28.2	19.3	25.1	22.2	3759		181	217	8.8	1.197	0.0572	53.2			92.9%		7.1%			100.0%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2009	29.2	19.7	26.4	23.0	3818		182	223	8.4	1.216	0.0580	55.9			99.5%		0.5%			100.0%						100.0%			100.0%	100.0%				
Toyota	Car	Car SUV	2010	29.6	20.1	26.7	23.4	4025		184	227	8.5	1.224	0.0560	59.9			98.5%		1.5%			96.2%	3.8%					100.0%			100.0%	100.0%	3.8%			
Toyota	Car	Car SUV	2011	30.0	20.3	26.8	23.5	3906		177	214	8.7	1.204	0.0546	58.7			99.1%		0.9%			98.0%	2.0%					100.0%			100.0%	100.0%	2.0%			
Toyota	Car	Car SUV	2012	30.1	20.3	26.7	23.5	3900		177	216	8.7	1.212	0.0550	59.3			98.9%		1.1%			97.4%	2.6%					99.5%			99.5%	99.5%	2.1%			
Toyota	Car	Car SUV	2013	31.3	21.1	27.5	24.3	3946		178	214	8.5	1.199	0.0539	62.5			99.6%		0.4%			96.6%	3.4%					99.6%			99.6%	99.6%	3.0%			
Toyota	Car	Car SUV	2014	32.6	21.9	28.6	25.3	3776		169	200	8.6	1.184	0.0527	62.7			99.5%		0.5%			98.0%	2.0%					99.0%			99.0%	99.0%	1.0%			
Toyota	Car	Car SUV	2015	31.8	21.5	27.9	24.7	3932		168	211	8.5	1.266	0.0533	62.7			93.9%	6.1%				98.0%	2.0%					100.0%			100.0%	100.0%	2.0%			
Toyota	Car	Car SUV	2016	33.2	22.4	29.0	25.7	3863		158	206	8.6	1.321	0.0529	64.0			87.2%	12.8%				99.6%	0.4%					100.0%			100.0%	100.0%	0.4%			
Toyota	Car	Car SUV	2017	33.1	22.3	28.9	25.6	3878		157	197	9.0	1.260	0.0505	64.0			70.0%	30.0%				100.0%						100.0%			100.0%	100.0%				

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Car	All	1975	21.6	16.7	21.2	18.4	2746		124	89		0.731	0.0324	29.9					100.0%	69.0%	31.0%				100.0%											
Toyota	Car	All	1976	24.3	18.5	24.3	20.8	2761		118	86		0.736	0.0309	34.0					100.0%	62.8%	37.2%				100.0%											
Toyota	Car	All	1977	27.8	21.6	26.9	23.7	2668		113	81		0.735	0.0301	37.9					100.0%	75.6%	24.4%				100.0%											
Toyota	Car	All	1978	26.1	20.4	24.9	22.2	2658		116	84	14.4	0.734	0.0313	35.5					100.0%	69.1%	30.9%				100.0%											
Toyota	Car	All	1979	23.8	18.6	22.9	20.3	2712		114	82	16.0	0.728	0.0299	32.7					100.0%	64.6%	35.4%				94.2%		5.8%									
Toyota	Car	All	1980	27.4	21.7	25.7	23.3	2620		115	78	16.3	0.682	0.0298	36.2			18.1%		81.9%	63.4%	36.6%				94.8%		5.2%						100.0%		
Toyota	Car	All	1981	30.9	24.6	28.7	26.3	2557		114	76	16.6	0.667	0.0294	39.8			20.4%		79.6%	58.7%	41.3%				93.6%		6.4%						100.0%		
Toyota	Car	All	1982	30.4	24.0	28.7	25.9	2575		118	81	17.2	0.682	0.0308	39.3			25.0%		75.0%	56.5%	39.3%	4.2%			87.2%		12.8%						100.0%		
Toyota	Car	All	1983	32.6	25.9	30.4	27.7	2663		115	85	15.8	0.728	0.0311	43.6			28.3%	31.5%	40.3%	56.7%	31.4%	11.9%			61.3%		38.7%						100.0%		
Toyota	Car	All	1984	32.9	26.0	30.9	28.0	2697		116	87	15.5	0.740	0.0316	44.6			54.4%	5.5%	40.1%	47.7%	13.6%	38.7%			53.8%		44.4%		1.8%				100.0%		
Toyota	Car	All	1985	32.8	25.9	31.1	28.0	2708		116	91	15.2	0.774	0.0329	44.6			35.6%	25.5%	38.9%	45.2%	10.0%	44.8%			48.0%		51.5%		0.5%				99.5%	0.5%	
Toyota	Car	All	1986	32.3	25.2	30.5	27.3	2761		115	97	13.8	0.833	0.0345	44.7			81.9%		18.1%	41.2%	5.4%	53.4%			40.2%		59.6%		0.2%	14.8%			99.3%	0.7%	
Toyota	Car	All	1987	32.9	25.4	31.2	27.8	2831		115	107	13.4	0.916	0.0369	46.7			81.3%	1.0%	17.8%	37.9%	1.0%	61.1%			40.4%		59.6%			69.0%			99.8%	0.2%	
Toyota	Car	All	1988	32.7	25.2	30.6	27.5	2786		111	105	13.5	0.932	0.0371	45.6			93.9%	0.9%	5.2%	33.6%	0.1%	66.4%			48.2%		51.8%			89.8%			100.0%		
Toyota	Car	All	1989	31.8	24.3	29.8	26.7	2836		115	110	12.7	0.952	0.0383	45.2			90.5%	1.2%	8.3%	28.9%		71.1%			45.0%		55.0%			100.0%			100.0%		
Toyota	Car	All	1990	30.3	23.0	28.4	25.3	2970		122	122	11.6	0.992	0.0401	45.1			90.5%	0.5%	9.0%	22.9%	0.2%	76.9%			10.8%		89.2%			99.2%	5.6%				
Toyota	Car	All	1991	30.5	23.0	28.5	25.4	2928		121	121	11.6	0.998	0.0404	44.7			84.1%		15.9%	26.8%	0.0%	73.2%					100.0%			99.3%	5.6%				
Toyota	Car	All	1992	28.8	21.4	27.1	23.9	3101		129	131	11.2	1.016	0.0415	44.5			60.3%		39.7%	21.5%		78.5%					100.0%			99.4%	7.6%				
Toyota	Car	All	1993	28.8	21.1	27.4	23.8	3150		132	138	10.2	1.037	0.0429	45.4			90.4%		9.6%	18.8%		81.2%					100.0%			99.1%	8.2%				
Toyota	Car	All	1994	29.1	21.1	27.6	24.0	3145		131	131	10.4	1.002	0.0412	45.6			94.2%		5.8%	17.2%		82.8%					100.0%			100.0%	5.4%		53.3%	46.7%	
Toyota	Car	All	1995	29.5	21.3	28.1	24.3	3210		137	139	10.8	1.022	0.0429	47.5			59.5%		40.5%	10.5%		89.5%					100.0%			100.0%	5.8%				
Toyota	Car	All	1996	29.3	21.0	27.7	24.0	3211		136	135	11.1	0.994	0.0416	47.1			93.3%		6.7%	8.6%		91.4%					100.0%			100.0%	3.7%				
Toyota	Car	All	1997	29.5	21.0	27.8	24.1	3203		136	140	10.8	1.022	0.0432	47.4			91.7%		8.3%	10.1%	2.3%	87.5%					100.0%			100.0%	2.6%				
Toyota	Car	All	1998	30.2	21.2	28.6	24.6	3304		142	151	10.7	1.056	0.0454	50.1			93.2%		6.8%	4.6%		95.4%					100.0%			100.0%	6.6%				
Toyota	Car	All	1999	30.2	21.1	28.3	24.5	3311		142	154	10.6	1.072	0.0460	50.2			94.8%		5.2%	5.1%		94.9%					100.0%			100.0%	12.3%				
Toyota	Car	All	2000	30.3	21.0	28.5	24.5	3277		141	157	9.8	1.108	0.0476	49.8			95.6%		4.4%	7.5%		92.5%					100.0%			100.0%	53.1%				
Toyota	Car	All	2001	30.9	21.2	28.9	24.8	3258		141	158	9.8	1.114	0.0480	51.1			89.8%		10.2%	6.3%		92.1%	1.6%				100.0%			100.0%	63.8%	1.6%			
Toyota	Car	All	2002	30.4	20.7	28.4	24.4	3352		153	171	9.5	1.115	0.0504	51.7			90.2%		9.8%	5.3%		92.5%	2.2%				100.0%			100.0%	88.8%	2.2%			
Toyota	Car	All	2003	32.2	21.8	29.8	25.6	3202		140	159	9.4	1.145	0.0494	52.0			93.4%	0.8%	5.8%	6.0%		92.8%	1.2%				100.0%			100.0%	97.6%	1.2%			
Toyota	Car	All	2004	32.1	21.6	29.6	25.4	3323		147	166	9.3	1.131	0.0492	54.5			93.5%	0.7%	5.8%	5.2%		90.4%	4.4%				100.0%			100.0%	100.0%	4.4%			
Toyota	Car	All	2005	34.2	22.8	31.0	26.9	3238		139	156	9.4	1.115	0.0473	57.4			95.9%	0.7%	3.4%	7.4%		84.2%	8.4%				100.0%			100.0%	100.0%	8.4%			
Toyota	Car	All	2006	34.1	22.8	30.8	26.8	3260		140	160	9.5	1.129	0.0479	57.1			89.3%	3.4%	7.2%	7.7%		85.5%	6.9%				100.0%			100.0%	100.0%	6.9%			
Toyota	Car	All	2007	34.3	22.9	30.9	26.9	3389		148	173	9.2	1.141	0.0496	60.2			92.4%	1.4%	6.2%	4.7%		83.2%	12.0%				100.0%			100.0%	100.0%	12.2%			
Toyota	Car	All	2008	35.2	23.7	31.2	27.4	3360		145	169	9.3	1.132	0.0486	62.0			90.6%	2.2%	7.2%	5.6%		78.1%	16.3%			0.7%	99.3%			100.0%	100.0%	16.5%			
Toyota	Car	All	2009	35.6	23.8	31.8	27.8	3357		138	160	9.4	1.147	0.0467	61.3			95.8%	1.9%	2.3%	3.8%		86.4%	9.8%			2.8%	97.2%			100.0%	100.0%	9.9%			
Toyota	Car	All	2010	38.1	25.6	33.3	29.5	3406		137	160	9.4	1.149	0.0462	70.1			95.4%	1.4%	3.1%	2.3%		78.5%	19.2%			2.3%	97.7%			100.0%	100.0%	19.2%			
Toyota	Car	All	2011	35.9	23.7	31.7	27.7	3513		148	175	9.0	1.164	0.0491	66.9			96.0%	1.3%	2.7%	1.3%		84.8%	13.8%			3.9%	96.1%			100.0%	100.0%	13.8%			
Toyota	Car	All	2012	40.1	26.8	33.8	30.4	3427		140	161	9.2	1.127	0.0463	73.7			96.8%	0.9%	2.3%	1.2%		73.8%	25.1%			2.1%	97.9%			100.0%	100.0%	24.3%			
Toyota	Car	All	2013	39.5	26.4	33.4	30.0	3471		144	169	9.0	1.152	0.0479	74.0			92.8%	1.8%	5.4%	2.4%		72.8%	24.8%			0.9%	99.1%			99.9%	99.9%	24.5%			
Toyota	Car	All	2014	39.9	26.5	34.0	30.3	3445		143	168	8.9	1.157	0.0480	72.8			93.2%	1.9%	5.0%	1.3%		58.9%	39.8%			3.1%	96.8%			99.9%	99.9%	19.0%			
Toyota	Car	All	2015	39.2	26.1	33.4	29.8	3497		144	171	8.9	1.174	0.0482	72.8			91.1%	3.1%	5.7%	1.1%		58.7%	40.2%			3.0%	97.0%			100.0%	100.0%	18.7%			
Toyota	Car	All	2016	39.5	26.2	34.0	30.2	3437		139	169	9.0	1.206	0.0484	70.8			92.1%	3.5%	4.4%	1.1%		58.4%	40.4%			2.8%	97.2%			99.9%	99.9%	12.4%			
Toyota	Car	All	2017	40.9	27.3	34.6	31.1	3490		139	165	9.0	1.169	0.0465	77.6			89.6%	6.2%	4.3%	1.1%		55.0%	43.9%			2.4%	97.6%			99.8%	99.8%	21.7%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Truck	Van	1975	20.5	16.2	19.3	17.5	3500		133	96		0.722	0.0274	35.9					100.0%		100.0%					100.0%										
Toyota	Truck	Van	1976																																	
Toyota	Truck	Van	1977																																	
Toyota	Truck	Van	1978																																	
Toyota	Truck	Van	1979																																	
Toyota	Truck	Van	1980																																	
Toyota	Truck	Van	1981																																	
Toyota	Truck	Van	1982																																	
Toyota	Truck	Van	1983																																	
Toyota	Truck	Van	1984	27.0	22.1	24.0	22.9	3396		122	90	17.9	0.738	0.0266	45.9					100.0%	26.6%		73.4%					100.0%									
Toyota	Truck	Van	1985	26.6	21.7	23.9	22.6	3274		122	90	17.3	0.738	0.0276	43.6					100.0%	28.1%		71.9%					100.0%									
Toyota	Truck	Van	1986	26.3	21.4	23.4	22.2	3435		137	101	15.7	0.737	0.0295	45.2					100.0%	16.7%		83.3%					100.0%									
Toyota	Truck	Van	1987	25.5	20.6	22.5	21.5	3285		137	101	15.6	0.737	0.0310	41.8				16.2%	83.8%	15.6%		84.4%					100.0%									
Toyota	Truck	Van	1988	25.8	20.7	22.7	21.6	3515		137	101	16.5	0.737	0.0288	45.4				12.9%	87.1%	14.5%		85.5%					100.0%									
Toyota	Truck	Van	1989	25.9	20.7	22.6	21.6	3552		137	101	16.1	0.737	0.0285	45.9				14.7%	85.3%	7.8%		92.2%					100.0%									
Toyota	Truck	Van	1990																																	
Toyota	Truck	Van	1991	22.9	17.3	21.5	19.1	4000		149	138	13.2	0.926	0.0345	45.7				14.8%	85.2%	3.6%		96.4%					100.0%									
Toyota	Truck	Van	1992	22.3	16.7	21.0	18.6	4000		149	138	12.9	0.926	0.0345	44.6				15.6%	84.4%	4.2%		95.8%					100.0%									
Toyota	Truck	Van	1993	21.9	16.5	20.0	18.1	4000		148	138	12.1	0.931	0.0345	43.8				11.3%	88.7%	4.1%		95.9%					100.0%									
Toyota	Truck	Van	1994	22.0	16.3	20.6	18.2	4025		149	141	11.9	0.945	0.0350	44.3				17.3%	82.7%			100.0%					100.0%				100.0%					
Toyota	Truck	Van	1995	22.6	16.7	20.8	18.6	4104		149	158	11.6	1.059	0.0385	46.3				23.2%	76.8%			100.0%					100.0%				100.0%					
Toyota	Truck	Van	1996	22.4	16.5	20.5	18.4	4065		149	161	11.3	1.081	0.0397	45.5				13.1%	86.9%			100.0%					100.0%				100.0%					
Toyota	Truck	Van	1997	22.3	16.3	20.3	18.2	4137		149	161	11.4	1.081	0.0390	46.0				27.4%	72.6%			100.0%					100.0%				100.0%					
Toyota	Truck	Van	1998	24.2	17.0	23.2	19.8	4000		183	194	9.9	1.060	0.0485	48.4			100.0%					100.0%					100.0%				100.0%					
Toyota	Truck	Van	1999	24.1	16.9	23.0	19.7	4000		183	190	10.5	1.038	0.0475	48.2			100.0%					100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2000	24.1	16.8	22.9	19.6	4000		183	190	10.0	1.038	0.0475	48.2			100.0%					100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2001	24.7	17.3	22.9	20.0	4000		183	210	9.2	1.148	0.0525	49.5			100.0%					100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2002	24.7	17.2	22.8	19.9	4000		183	210	9.4	1.148	0.0525	49.5			100.0%					100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2003	24.7	17.1	22.8	19.9	4000		183	210	9.3	1.148	0.0525	49.5			100.0%					100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2004	25.4	17.1	24.3	20.5	4500		202	230	9.1	1.139	0.0511	57.3			88.2%	11.8%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2005	24.7	16.5	23.6	19.9	4500		202	230	9.0	1.139	0.0511	55.6			86.0%	14.0%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2006	24.8	16.5	23.7	20.0	4500		202	215	9.5	1.064	0.0478	55.8			89.2%	10.8%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2007	26.1	17.7	24.1	20.8	4500		211	266	8.4	1.261	0.0591	58.9			91.7%	8.3%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2008	26.1	17.6	24.0	20.8	4500		211	266	8.4	1.261	0.0591	58.8			89.9%	10.1%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2009	26.1	17.7	24.1	20.8	4500		211	266	8.2	1.261	0.0591	58.9			91.3%	8.7%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2010	26.1	17.6	24.0	20.8	4500		211	266	8.3	1.261	0.0591	58.7			89.6%	10.4%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2011	26.3	17.8	23.8	20.8	4552		209	263	8.2	1.256	0.0578	59.8			86.0%	14.0%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2012	26.6	17.9	24.4	21.1	4553		208	261	8.3	1.254	0.0574	60.7			84.9%	15.1%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2013	26.4	17.8	24.4	21.1	4577		211	270	8.1	1.280	0.0591	60.5			84.7%	15.3%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2014	26.5	17.8	24.4	21.1	4575		211	266	8.2	1.261	0.0582	60.5			84.9%	15.1%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2015	26.4	17.8	24.4	21.0	4581		211	266	8.2	1.261	0.0582	60.4			83.7%	16.3%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2016	26.3	17.7	24.4	21.0	4586		211	266	8.2	1.261	0.0581	60.4			82.8%	17.2%				100.0%					100.0%				100.0%	100.0%				
Toyota	Truck	Van	2017	28.2	18.8	26.3	22.4	4739		211	295	7.4	1.399	0.0624	66.8			87.1%	12.9%				100.0%					100.0%				100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Truck	Truck SUV	1975																																	
Toyota	Truck	Truck SUV	1976	11.6	8.7	12.1	10.0	4500		258	125		0.484	0.0278	26.4					100.0%	100.0%																
Toyota	Truck	Truck SUV	1977	12.7	10.0	11.9	10.8	4500		258	125		0.484	0.0278	29.3					100.0%	100.0%																
Toyota	Truck	Truck SUV	1978	11.5	8.9	11.3	9.8	4500		258	125	15.5	0.484	0.0278	26.5					100.0%	100.0%																
Toyota	Truck	Truck SUV	1979	13.3	10.4	12.7	11.3	4500		258	125	15.1	0.484	0.0278	29.9				14.5%	85.5%	100.0%																
Toyota	Truck	Truck SUV	1980	13.8	11.0	12.8	11.7	4001		258	125	14.7	0.484	0.0312	27.6				100.0%		100.0%																
Toyota	Truck	Truck SUV	1981	14.3	11.3	13.4	12.2	4239		258	125	15.1	0.484	0.0296	30.3				100.0%		100.0%																
Toyota	Truck	Truck SUV	1982	14.2	11.2	13.4	12.1	4342		258	125	16.4	0.484	0.0289	30.9				100.0%		100.0%																
Toyota	Truck	Truck SUV	1983	14.1	11.2	13.3	12.0	4463		258	125	15.2	0.484	0.0280	31.6				100.0%		100.0%																
Toyota	Truck	Truck SUV	1984	17.3	13.6	16.3	14.7	3939		194	109	15.6	0.587	0.0276	35.1				100.0%		100.0%																
Toyota	Truck	Truck SUV	1985	21.1	16.8	19.7	18.0	3727		170	118	14.3	0.733	0.0319	41.2				100.0%		87.2%		12.8%				22.7%		77.3%								
Toyota	Truck	Truck SUV	1986	23.3	18.6	21.3	19.8	4029		151	117	14.6	0.793	0.0292	47.8				100.0%		70.8%		29.2%				6.0%		94.0%								
Toyota	Truck	Truck SUV	1987	22.7	18.0	20.6	19.1	3730		157	118	14.0	0.775	0.0318	43.4				100.0%		80.3%		19.7%				11.2%		88.8%								
Toyota	Truck	Truck SUV	1988	20.3	15.9	18.6	17.1	4018		175	134	13.7	0.777	0.0334	41.4				100.0%		58.2%		41.8%						100.0%								
Toyota	Truck	Truck SUV	1989	19.7	15.3	18.1	16.5	4103		180	140	13.2	0.785	0.0340	41.1				100.0%		50.7%		49.3%						100.0%								
Toyota	Truck	Truck SUV	1990	19.4	14.8	18.2	16.3	4301		178	147	12.3	0.825	0.0342	41.8				100.0%		38.2%		61.8%						100.0%								
Toyota	Truck	Truck SUV	1991	18.2	13.8	17.1	15.2	4537		191	149	12.7	0.790	0.0329	41.7				100.0%		33.0%		67.0%						100.0%								
Toyota	Truck	Truck SUV	1992	17.0	13.0	15.6	14.2	4573		179	150	12.5	0.837	0.0327	39.2				100.0%		31.2%		68.8%						100.0%								
Toyota	Truck	Truck SUV	1993	17.2	13.1	15.7	14.3	4582		198	161	11.2	0.820	0.0350	39.6				100.0%		31.6%		68.4%						100.0%								
Toyota	Truck	Truck SUV	1994	17.4	13.1	15.8	14.4	4484		196	161	11.1	0.822	0.0357	39.0				100.0%		22.4%		77.6%						100.0%		97.6%						
Toyota	Truck	Truck SUV	1995	17.5	13.2	15.8	14.4	4544		190	156	11.6	0.825	0.0342	39.9				100.0%		26.6%		73.4%						100.0%		97.3%						
Toyota	Truck	Truck SUV	1996	21.4	16.1	19.0	17.5	3929		196	171	10.7	0.895	0.0433	42.0				100.0%		18.4%		81.6%						100.0%		100.0%						
Toyota	Truck	Truck SUV	1997	20.7	15.3	18.5	16.8	4002		204	182	10.1	0.897	0.0455	41.3				76.5%	23.5%	26.1%		73.9%						100.0%		100.0%						
Toyota	Truck	Truck SUV	1998	22.1	16.3	19.6	17.9	3999		190	176	10.9	0.939	0.0440	44.2				69.1%	30.9%	12.1%		87.9%						100.0%		100.0%						
Toyota	Truck	Truck SUV	1999	22.0	16.0	19.6	17.8	4238		195	192	10.6	0.999	0.0456	46.5				78.1%	21.9%	6.2%		93.8%						100.0%		100.0%	26.3%					
Toyota	Truck	Truck SUV	2000	21.7	15.7	19.3	17.5	4296		200	192	10.2	0.976	0.0452	46.4				75.7%	24.3%	5.0%		95.0%						100.0%		100.0%	23.3%					
Toyota	Truck	Truck SUV	2001	21.7	15.6	19.5	17.5	4368		199	203	9.8	1.053	0.0470	47.4			10.8%	71.6%	17.5%	1.9%		98.1%						100.0%		100.0%	51.9%					
Toyota	Truck	Truck SUV	2002	21.7	15.5	19.4	17.4	4399		205	206	9.8	1.040	0.0472	47.8			16.0%	62.9%	21.2%	1.3%		98.7%						100.0%		100.0%	52.5%					
Toyota	Truck	Truck SUV	2003	21.7	15.3	19.5	17.4	4447		223	219	9.4	1.022	0.0496	48.4			18.2%	61.8%	20.0%	0.9%		99.1%						100.0%		100.0%	60.7%					
Toyota	Truck	Truck SUV	2004	22.2	15.5	19.9	17.7	4536		228	225	9.2	1.013	0.0500	50.5			13.5%	70.1%	16.3%	0.6%		99.4%						100.0%		100.0%	68.2%					
Toyota	Truck	Truck SUV	2005	22.8	15.8	20.3	18.1	4510		223	233	8.9	1.058	0.0516	51.5			16.5%	67.5%	16.1%	0.6%		99.4%						100.0%		100.0%	92.0%					
Toyota	Truck	Truck SUV	2006	24.4	17.2	21.1	19.2	4533		220	224	8.8	1.034	0.0494	57.0			16.4%	69.6%	14.0%			82.6%	17.4%					100.0%		100.0%	100.0%	17.4%				
Toyota	Truck	Truck SUV	2007	24.2	16.9	21.2	19.1	4461		219	230	9.0	1.063	0.0515	54.8			9.4%	79.9%	10.8%	2.5%		89.8%	7.7%					100.0%		100.0%	100.0%	7.7%				
Toyota	Truck	Truck SUV	2008	24.7	17.1	21.9	19.5	4637		226	256	8.5	1.147	0.0551	58.1			12.3%	79.7%	8.0%	0.6%		89.6%	9.8%					100.0%		100.0%	88.5%	9.8%				
Toyota	Truck	Truck SUV	2009	26.5	18.1	23.8	21.0	4409		204	244	8.6	1.205	0.0553	59.0			11.8%	86.5%	1.7%	0.1%		95.3%	4.6%					100.0%		100.0%	100.0%	4.6%				
Toyota	Truck	Truck SUV	2010	26.6	18.2	23.9	21.0	4544		211	253	8.5	1.203	0.0556	61.1			9.1%	86.2%	4.7%	0.2%		93.6%	6.2%					100.0%		100.0%	100.0%	6.2%				
Toyota	Truck	Truck SUV	2011	26.4	18.0	23.6	20.8	4531		210	250	8.7	1.196	0.0550	60.2			9.4%	84.5%	6.2%	0.1%		97.0%	2.8%					100.0%		100.0%	100.0%	2.8%				
Toyota	Truck	Truck SUV	2012	26.5	18.1	23.6	20.9	4477		206	248	8.7	1.208	0.0552	59.8			13.7%	81.8%	4.5%	0.2%		96.7%	3.1%					100.0%		100.0%	100.0%	3.1%				
Toyota	Truck	Truck SUV	2013	26.8	18.3	23.9	21.1	4506		205	245	8.6	1.199	0.0539	61.3			12.9%	82.8%	4.2%	0.1%		96.2%	3.7%					100.0%		100.0%	100.0%	3.7%				
Toyota	Truck	Truck SUV	2014	26.8	18.4	23.8	21.1	4558		209	245	8.7	1.175	0.0531	61.7			8.3%	85.5%	6.2%	0.3%		98.4%	1.3%					100.0%		100.0%	100.0%	1.3%				
Toyota	Truck	Truck SUV	2015	27.7	18.9	24.6	21.8	4470		199	240	8.6	1.211	0.0534	62.5			11.1%	84.6%	4.3%			97.5%	2.5%					100.0%		100.0%	100.0%	2.5%				
Toyota	Truck	Truck SUV	2016	27.5	18.9	24.2	21.6	4572		208	247	8.4	1.192	0.0536	64.0			10.7%	82.8%	6.6%			92.0%	8.0%					100.0%		100.0%	100.0%	8.0%				
Toyota	Truck	Truck SUV	2017	28.6	19.7	24.2	22.0	4627		206	247	8.2	1.197	0.0528	67.8			8.3%	87.1%	4.6%			87.5%	12.5%					100.0%		100.0%	100.0%	12.5%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Truck	Pickup	1975	21.3	16.5	20.7	18.2	2750		133	96		0.722	0.0349	29.3					100.0%	69.0%	31.0%				100.0%										
Toyota	Truck	Pickup	1976	22.1	16.6	22.6	18.9	2819		133	94		0.703	0.0333	31.1					100.0%	75.4%	24.6%				100.0%										
Toyota	Truck	Pickup	1977	27.2	21.3	25.9	23.1	2780		134	94		0.700	0.0338	37.8					100.0%	90.4%	9.6%				100.0%										
Toyota	Truck	Pickup	1978	24.6	19.6	22.7	20.9	2866		134	93	13.8	0.695	0.0326	35.3					100.0%	92.6%	7.4%				100.0%										
Toyota	Truck	Pickup	1979	19.5	15.2	18.9	16.6	2814		134	90	15.1	0.674	0.0321	27.5			7.0%	93.0%	93.6%	6.4%						100.0%										
Toyota	Truck	Pickup	1980	21.5	17.1	20.1	18.3	2865		134	93	15.3	0.697	0.0327	30.9			32.8%	67.2%	95.9%	4.1%						100.0%										
Toyota	Truck	Pickup	1981	26.5	21.2	24.5	22.5	2888		143	94	15.3	0.657	0.0327	38.7			33.4%	66.6%	94.3%	5.7%						87.5%			12.5%							
Toyota	Truck	Pickup	1982	25.6	20.5	23.6	21.8	3013		143	95	16.6	0.661	0.0317	39.0			38.1%	61.9%	92.7%	7.3%						88.6%			11.4%							
Toyota	Truck	Pickup	1983	25.5	20.6	23.1	21.7	3033		144	97	14.8	0.677	0.0325	38.8			38.8%	61.2%	93.9%	6.1%						96.3%			3.7%							
Toyota	Truck	Pickup	1984	25.1	20.3	22.9	21.4	3036		144	99	14.6	0.686	0.0330	38.3			34.8%	65.2%	87.9%	12.1%						89.3%		8.8%	1.9%							
Toyota	Truck	Pickup	1985	27.0	21.7	24.8	23.0	3107		144	107	13.9	0.740	0.0346	42.2			35.4%	64.6%	83.3%	13.7%	3.0%					70.6%		28.3%	1.0%							
Toyota	Truck	Pickup	1986	26.4	21.1	24.0	22.4	3129		144	107	13.4	0.743	0.0346	41.6			37.2%	62.8%	81.2%	13.9%	5.0%					73.9%		26.1%								
Toyota	Truck	Pickup	1987	26.6	21.1	24.2	22.4	3114		144	105	13.7	0.732	0.0343	41.6			38.5%	61.5%	82.2%	14.7%	3.1%					83.9%		16.1%								
Toyota	Truck	Pickup	1988	25.1	19.8	22.7	21.1	3181		147	113	13.4	0.767	0.0357	40.1			44.6%	55.4%	84.8%	12.2%	3.0%					40.7%		59.3%								
Toyota	Truck	Pickup	1989	23.5	18.5	21.1	19.7	3377		154	123	12.6	0.793	0.0366	40.0			44.5%	55.5%	79.7%	9.2%	11.1%					21.3%		78.7%								
Toyota	Truck	Pickup	1990	23.1	18.0	20.9	19.3	3396		156	125	11.8	0.794	0.0369	39.6			42.3%	57.7%	79.4%	7.6%	12.9%					21.1%		78.9%								
Toyota	Truck	Pickup	1991	23.8	18.3	21.5	19.7	3413		154	124	11.9	0.801	0.0364	40.8			44.9%	55.1%	80.4%	9.4%	10.1%							100.0%								
Toyota	Truck	Pickup	1992	23.7	18.1	21.4	19.6	3366		154	122	11.6	0.792	0.0365	40.3			43.6%	56.4%	81.8%	8.7%	9.5%							100.0%								
Toyota	Truck	Pickup	1993	23.8	17.9	21.7	19.6	3394		155	124	10.9	0.795	0.0365	40.8			41.3%	58.7%	80.6%	7.5%	11.9%							100.0%								
Toyota	Truck	Pickup	1994	24.3	18.2	22.0	20.0	3382		152	121	10.9	0.791	0.0359	41.4			44.2%	55.8%	81.6%	10.2%	8.2%							100.0%		23.7%						
Toyota	Truck	Pickup	1995	23.3	17.5	20.9	19.1	3533		171	140	10.7	0.828	0.0400	41.2			52.4%	47.6%	61.9%	12.6%	25.5%							100.0%		78.1%						
Toyota	Truck	Pickup	1996	23.6	17.6	21.0	19.2	3508		174	161	10.0	0.929	0.0461	41.3			48.2%	51.8%	57.4%	15.6%	27.0%							100.0%		100.0%						
Toyota	Truck	Pickup	1997	20.4	15.3	18.0	16.6	4086		203	187	10.0	0.922	0.0458	41.7			54.7%	45.3%	26.4%		73.6%							100.0%		100.0%						
Toyota	Truck	Pickup	1998	23.7	17.5	21.1	19.2	3432		170	158	10.3	0.933	0.0461	40.8			48.2%	51.8%	54.9%	20.3%	24.8%							100.0%		100.0%						
Toyota	Truck	Pickup	1999	23.2	17.0	20.5	18.7	3549		175	162	10.4	0.929	0.0457	41.2			47.0%	53.0%	45.9%	14.2%	39.9%							100.0%		100.0%						
Toyota	Truck	Pickup	2000	20.8	15.2	18.4	16.8	4110		219	197	9.6	0.905	0.0476	42.5			49.6%	50.4%	23.9%	7.8%	68.4%							100.0%		100.0%						
Toyota	Truck	Pickup	2001	21.2	15.4	18.6	17.0	4046		210	191	9.6	0.913	0.0469	42.9			42.8%	57.2%	21.2%	8.4%	70.3%							100.0%		100.0%						
Toyota	Truck	Pickup	2002	20.9	15.1	18.3	16.7	4140		218	193	9.8	0.897	0.0465	43.3			40.5%	59.5%	17.3%	7.5%	75.2%							100.0%		100.0%						
Toyota	Truck	Pickup	2003	21.0	15.0	18.6	16.8	4148		219	194	9.7	0.898	0.0467	43.6			39.2%	60.8%	17.0%	8.1%	74.9%							100.0%		100.0%						
Toyota	Truck	Pickup	2004	20.6	14.6	18.2	16.5	4296		221	196	9.8	0.898	0.0456	44.2			42.0%	58.0%	15.9%	8.8%	75.3%							100.0%		100.0%						
Toyota	Truck	Pickup	2005	21.6	15.2	19.0	17.2	4476		246	247	8.4	1.003	0.0551	48.3			42.1%	57.9%	15.7%		84.3%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2006	21.7	15.2	19.1	17.2	4485		245	237	8.7	0.967	0.0528	48.6			39.5%	60.5%	12.5%		87.5%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2007	21.3	14.8	19.2	17.0	4929		274	283	8.3	1.020	0.0567	52.2			44.4%	55.6%	9.0%		91.0%							100.0%		100.0%	71.7%					
Toyota	Truck	Pickup	2008	21.1	14.6	19.0	16.9	4978		277	289	8.3	1.028	0.0571	52.2			48.9%	51.1%	8.9%		91.1%							100.0%		100.0%	64.0%					
Toyota	Truck	Pickup	2009	23.5	16.3	21.0	18.7	4360		229	228	8.9	0.988	0.0516	51.2			50.8%	49.2%	19.2%		80.8%							100.0%		100.0%	41.9%					
Toyota	Truck	Pickup	2010	21.6	14.9	19.6	17.3	5030		274	288	8.3	1.039	0.0564	54.0			55.6%	44.4%	8.5%		91.5%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2011	21.9	15.2	19.9	17.6	4917		265	277	8.5	1.031	0.0553	53.7			58.9%	41.1%	6.3%		93.7%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2012	22.1	15.3	19.8	17.6	4946		266	278	8.5	1.032	0.0552	54.4			59.4%	40.6%	5.7%		94.3%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2013	22.7	15.8	20.3	18.0	4768		254	262	8.7	1.019	0.0540	53.9			55.8%	44.2%	5.5%		94.5%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2014	21.7	15.1	19.5	17.3	5036		275	289	8.4	1.038	0.0562	54.5			60.7%	39.3%	4.0%		96.0%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2015	22.2	15.5	19.8	17.7	4842		263	271	8.5	1.020	0.0550	53.6			59.9%	40.1%	3.8%		96.2%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2016	22.9	15.9	20.2	18.1	5053		257	304	7.9	1.196	0.0597	58.0			64.9%	35.1%	2.6%		97.4%							100.0%		100.0%	100.0%					
Toyota	Truck	Pickup	2017	23.2	16.1	20.6	18.4	4992		253	300	7.9	1.200	0.0596	58.2			55.5%	44.5%	2.8%		97.2%							100.0%		100.0%	100.0%					

				Fuel Economy (MPG)														Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	Truck	All	1975	21.3	16.5	20.7	18.1	2765		133	96		0.722	0.0348	29.4					100.0%	67.6%	32.4%				100.0%											
Toyota	Truck	All	1976	21.5	16.2	22.0	18.3	2874		137	95		0.696	0.0332	31.0					100.0%	76.2%	23.8%				100.0%											
Toyota	Truck	All	1977	26.8	21.0	25.5	22.8	2804		136	94		0.697	0.0337	37.7					100.0%	90.5%	9.5%				100.0%											
Toyota	Truck	All	1978	23.8	18.9	22.0	20.2	2915		138	94	13.8	0.689	0.0325	35.1					100.0%	92.8%	7.2%				100.0%											
Toyota	Truck	All	1979	19.5	15.1	18.9	16.6	2820		134	90	15.1	0.673	0.0321	27.5				7.0%	93.0%	93.6%	6.4%				100.0%											
Toyota	Truck	All	1980	21.4	16.9	20.0	18.2	2880		136	94	15.3	0.694	0.0327	30.9				33.7%	66.3%	95.9%	4.1%				100.0%											
Toyota	Truck	All	1981	26.2	20.9	24.2	22.3	2906		144	94	15.3	0.655	0.0327	38.6				34.3%	65.7%	94.4%	5.6%				87.7%				12.3%							
Toyota	Truck	All	1982	25.2	20.1	23.2	21.4	3042		145	95	16.6	0.657	0.0317	38.8				39.5%	60.5%	92.9%	7.1%				88.9%				11.1%							
Toyota	Truck	All	1983	25.0	20.2	22.7	21.2	3069		147	98	14.9	0.672	0.0323	38.7				40.4%	59.6%	94.0%	6.0%				96.4%				3.6%							
Toyota	Truck	All	1984	24.9	20.1	22.6	21.2	3133		143	98	15.2	0.690	0.0317	39.4				32.0%	68.0%	78.5%	9.6%	11.9%			75.3%		23.2%		1.5%							
Toyota	Truck	All	1985	26.5	21.2	24.2	22.5	3175		143	105	14.5	0.739	0.0334	42.4				34.6%	65.4%	75.2%	10.7%	14.1%			56.7%		42.5%		0.8%							
Toyota	Truck	All	1986	26.1	20.9	23.7	22.1	3248		144	107	13.8	0.747	0.0334	42.6				37.9%	62.1%	71.9%	10.9%	17.2%			58.4%		41.6%									
Toyota	Truck	All	1987	25.9	20.6	23.5	21.9	3208		145	106	13.9	0.738	0.0336	41.8				43.0%	57.0%	73.7%	11.1%	15.2%			64.8%		35.2%									
Toyota	Truck	All	1988	24.4	19.3	22.1	20.5	3303		150	115	13.5	0.767	0.0351	40.5				50.2%	49.8%	78.2%	10.1%	11.7%			33.6%		66.4%									
Toyota	Truck	All	1989	23.2	18.2	20.8	19.4	3457		156	123	12.8	0.790	0.0360	40.4				48.4%	51.6%	73.3%	7.8%	18.9%			18.2%		81.8%									
Toyota	Truck	All	1990	21.9	16.9	20.0	18.3	3666		163	131	11.9	0.804	0.0361	40.3				59.5%	40.5%	67.2%	5.3%	27.5%			14.8%		85.2%									
Toyota	Truck	All	1991	22.4	17.1	20.6	18.6	3756		159	132	12.4	0.831	0.0353	42.2				46.4%	53.6%	52.5%	5.4%	42.1%					100.0%									
Toyota	Truck	All	1992	22.0	16.8	20.1	18.3	3679		157	129	12.0	0.823	0.0355	40.8				48.3%	51.7%	59.9%	5.7%	34.4%					100.0%									
Toyota	Truck	All	1993	22.3	16.8	20.3	18.4	3648		161	131	11.1	0.816	0.0360	41.0				46.3%	53.7%	63.6%	5.4%	31.0%					100.0%									
Toyota	Truck	All	1994	22.0	16.5	20.0	18.1	3686		163	132	11.0	0.806	0.0358	40.9				56.7%	43.3%	63.0%	7.2%	29.8%					100.0%			45.6%						
Toyota	Truck	All	1995	21.2	15.9	19.1	17.4	3881		175	146	11.1	0.846	0.0382	41.3				64.3%	35.7%	46.3%	7.8%	45.9%					100.0%			85.6%						
Toyota	Truck	All	1996	22.8	17.0	20.3	18.6	3663		180	165	10.2	0.922	0.0450	41.7				64.1%	35.9%	42.9%	10.0%	47.1%					100.0%			100.0%						
Toyota	Truck	All	1997	20.7	15.4	18.5	16.8	4015		203	182	10.1	0.904	0.0454	41.5				72.8%	27.2%	25.6%		74.4%					100.0%			100.0%						
Toyota	Truck	All	1998	23.1	16.9	20.8	18.8	3758		180	172	10.5	0.958	0.0457	43.5			17.2%	48.3%	34.4%	28.2%	8.6%	63.2%					100.0%			100.0%						
Toyota	Truck	All	1999	22.6	16.5	20.3	18.3	3973		186	182	10.5	0.981	0.0459	44.9			13.9%	56.7%	29.3%	18.7%	4.8%	76.5%					100.0%			100.0%	27.7%					
Toyota	Truck	All	2000	21.7	15.7	19.5	17.6	4160		204	194	9.9	0.960	0.0466	45.2			20.2%	49.6%	30.2%	11.8%	3.2%	85.0%					100.0%			100.0%	29.2%					
Toyota	Truck	All	2001	21.8	15.7	19.5	17.6	4198		201	199	9.6	1.012	0.0477	45.9			18.2%	51.4%	30.4%	9.0%	3.2%	87.8%					100.0%			100.0%	38.4%					
Toyota	Truck	All	2002	21.7	15.5	19.3	17.4	4256		207	202	9.8	1.000	0.0476	46.3			19.7%	47.3%	33.0%	7.1%	2.8%	90.1%					100.0%			100.0%	38.4%					
Toyota	Truck	All	2003	21.6	15.3	19.3	17.3	4306		219	209	9.5	0.982	0.0487	46.6			16.2%	49.4%	34.4%	7.0%	3.1%	89.9%					100.0%			100.0%	39.8%					
Toyota	Truck	All	2004	22.4	15.6	20.2	17.9	4463		220	218	9.3	1.010	0.0491	50.3			26.6%	49.4%	24.0%	4.6%	2.4%	93.0%					100.0%			100.0%	56.8%					
Toyota	Truck	All	2005	22.7	15.7	20.4	18.1	4498		226	237	8.8	1.057	0.0526	51.3			25.2%	49.0%	25.8%	5.1%		94.9%					100.0%			100.0%	96.1%					
Toyota	Truck	All	2006	23.4	16.3	20.8	18.6	4510		225	227	8.9	1.016	0.0503	53.8			24.6%	47.7%	27.7%	4.4%		87.6%	7.9%				100.0%			100.0%	100.0%	7.9%				
Toyota	Truck	All	2007	23.2	16.1	20.7	18.4	4634		238	253	8.7	1.068	0.0541	54.3			14.4%	59.8%	25.8%	4.6%		91.3%	4.1%				100.0%			100.0%	89.8%	4.1%				
Toyota	Truck	All	2008	23.5	16.3	21.1	18.7	4731		241	268	8.5	1.123	0.0563	56.2			18.7%	60.2%	21.1%	3.3%		91.5%	5.3%				100.0%			100.0%	82.0%	5.3%				
Toyota	Truck	All	2009	25.4	17.4	22.9	20.2	4407		213	242	8.6	1.145	0.0547	56.5			19.9%	63.6%	16.5%	6.1%		91.4%	2.5%				100.0%			100.0%	81.6%	2.5%				
Toyota	Truck	All	2010	24.7	16.9	22.3	19.6	4701		232	266	8.4	1.154	0.0561	58.6			12.3%	70.2%	17.4%	3.0%		93.4%	3.6%				100.0%			100.0%	100.0%	3.6%				
Toyota	Truck	All	2011	24.9	17.1	22.5	19.8	4644		225	261	8.5	1.165	0.0558	58.3			25.2%	60.4%	14.4%	1.8%		96.8%	1.4%				100.0%			100.0%	100.0%	1.4%				
Toyota	Truck	All	2012	24.9	17.1	22.4	19.7	4639		225	260	8.5	1.159	0.0555	58.2			20.4%	64.2%	15.4%	1.9%		96.4%	1.6%				100.0%			100.0%	100.0%	1.6%				
Toyota	Truck	All	2013	25.4	17.4	22.8	20.1	4591		220	254	8.6	1.159	0.0547	59.1			19.5%	65.4%	15.1%	1.7%		96.2%	2.1%				100.0%			100.0%	100.0%	2.1%				
Toyota	Truck	All	2014	24.7	17.0	22.2	19.6	4732		233	264	8.5	1.140	0.0551	58.9			17.9%	65.1%	17.0%	1.6%		97.8%	0.6%				100.0%			100.0%	100.0%	0.6%				
Toyota	Truck	All	2015	25.9	17.7	23.2	20.5	4582		217	252	8.5	1.170	0.0545	59.9			19.4%	67.8%	12.8%	1.0%		97.6%	1.5%				100.0%			100.0%	100.0%	1.5%				
Toyota	Truck	All	2016	25.9	17.8	22.9	20.4	4714		223	265	8.2	1.199	0.0558	62.0			13.2%	72.4%	14.4%	0.8%		94.2%	5.1%				100.0%			100.0%	100.0%	5.1%				
Toyota	Truck	All	2017	26.7	18.3	23.2	20.8	4752		221	269	8.0	1.225	0.0561	64.8			16.3%	67.6%	16.1%	0.8%		92.1%	7.0%				100.0%			100.0%	100.0%	7.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Toyota	All	All	1975	21.6	16.7	21.1	18.4	2748		125	90		0.730	0.0326	29.8					100.0%	68.8%	31.2%				100.0%										
Toyota	All	All	1976	24.0	18.3	24.0	20.5	2773		120	87		0.732	0.0312	33.7					100.0%	64.2%	35.8%				100.0%										
Toyota	All	All	1977	27.7	21.5	26.7	23.6	2685		115	82		0.730	0.0306	37.9					100.0%	77.3%	22.7%				100.0%										
Toyota	All	All	1978	25.7	20.2	24.5	21.9	2694		119	85	14.3	0.728	0.0314	35.4					100.0%	72.4%	27.6%				100.0%										
Toyota	All	All	1979	22.9	17.8	22.0	19.5	2733		118	83	15.8	0.718	0.0303	31.7				1.3%	98.7%	70.1%	29.9%				95.3%		4.7%								
Toyota	All	All	1980	25.9	20.5	24.3	22.1	2672		119	81	16.1	0.685	0.0304	35.1			14.5%	6.7%	78.8%	69.9%	30.1%				95.9%		4.1%								
Toyota	All	All	1981	29.9	23.8	27.8	25.4	2621		119	79	16.4	0.664	0.0300	39.6			16.7%	6.4%	77.0%	65.3%	34.7%				92.5%		5.2%		2.3%						
Toyota	All	All	1982	29.1	23.0	27.3	24.8	2677		124	84	17.1	0.676	0.0310	39.2			19.6%	8.6%	71.8%	64.4%	32.3%	3.3%			87.6%		10.0%		2.4%						
Toyota	All	All	1983	30.5	24.4	28.2	26.0	2754		122	88	15.6	0.716	0.0314	42.5			22.0%	33.5%	44.6%	65.0%	25.7%	9.2%			69.1%		30.1%		0.8%						
Toyota	All	All	1984	29.7	23.6	27.5	25.2	2845		125	91	15.4	0.723	0.0316	42.8			36.0%	14.5%	49.6%	58.2%	12.2%	29.6%			61.1%		37.2%		1.7%						
Toyota	All	All	1985	30.0	23.9	28.0	25.6	2889		126	96	14.9	0.760	0.0331	43.8			21.9%	29.0%	49.1%	56.8%	10.3%	32.9%			51.3%		48.1%		0.6%						
Toyota	All	All	1986	29.4	23.3	27.3	24.9	2959		127	101	13.8	0.798	0.0340	43.8			48.5%	15.5%	36.0%	53.7%	7.6%	38.6%			47.6%		52.3%		0.1%						
Toyota	All	All	1987	30.0	23.4	28.0	25.3	2966		125	107	13.6	0.852	0.0357	45.0			52.2%	16.0%	31.8%	50.7%	4.6%	44.7%			49.2%		50.8%								
Toyota	All	All	1988	29.6	23.0	27.4	24.9	2942		123	108	13.5	0.882	0.0365	44.0			65.6%	15.8%	18.6%	47.0%	3.1%	49.9%			43.8%		56.2%								
Toyota	All	All	1989	28.9	22.3	26.7	24.2	3004		126	114	12.8	0.908	0.0377	43.9			66.0%	14.0%	20.0%	40.9%	2.1%	57.0%			37.7%		62.3%								
Toyota	All	All	1990	27.8	21.2	25.9	23.2	3132		132	124	11.7	0.948	0.0392	44.0			69.4%	14.3%	16.3%	33.2%	1.4%	65.4%			11.7%		88.3%				4.3%				
Toyota	All	All	1991	27.5	20.9	25.6	22.9	3173		132	124	11.8	0.949	0.0389	44.0			59.2%	13.8%	27.1%	34.4%	1.6%	64.0%					100.0%				3.9%				
Toyota	All	All	1992	26.8	20.0	25.0	22.2	3242		136	131	11.4	0.969	0.0400	43.6			45.7%	11.8%	42.6%	30.8%	1.4%	67.8%					100.0%				5.8%				
Toyota	All	All	1993	26.7	19.8	25.0	22.1	3285		140	136	10.4	0.977	0.0411	44.2			66.0%	12.5%	21.5%	30.9%	1.5%	67.6%					100.0%				6.0%				
Toyota	All	All	1994	26.4	19.4	24.6	21.8	3317		141	131	10.6	0.940	0.0395	44.1			64.3%	18.0%	17.7%	31.7%	2.3%	66.0%					100.0%			82.7%	3.7%				
Toyota	All	All	1995	27.0	19.7	25.2	22.2	3369		146	141	10.9	0.980	0.0418	46.0			45.4%	15.2%	39.4%	19.0%	1.9%	79.2%					100.0%			96.6%	4.4%				
Toyota	All	All	1996	27.4	19.9	25.4	22.4	3322		147	142	10.9	0.976	0.0425	45.7			70.4%	15.8%	13.9%	17.0%	2.5%	80.5%					100.0%			100.0%	2.8%				
Toyota	All	All	1997	27.1	19.5	25.1	22.1	3371		150	149	10.7	0.997	0.0437	46.2			72.7%	15.1%	12.2%	13.3%	1.9%	84.8%					100.0%			100.0%	2.0%				
Toyota	All	All	1998	27.4	19.6	25.4	22.3	3455		155	158	10.6	1.023	0.0455	47.9			68.0%	16.0%	16.0%	12.4%	2.9%	84.7%					100.0%			100.0%	4.4%				
Toyota	All	All	1999	27.1	19.3	25.0	22.0	3536		157	163	10.6	1.041	0.0460	48.4			67.4%	19.2%	13.4%	9.7%	1.6%	88.7%					100.0%			100.0%	17.5%				
Toyota	All	All	2000	26.2	18.5	24.1	21.2	3623		166	171	9.9	1.050	0.0472	48.0			66.0%	19.5%	14.5%	9.2%	1.3%	89.6%					100.0%			100.0%	43.7%				
Toyota	All	All	2001	26.5	18.6	24.2	21.3	3639		165	175	9.7	1.073	0.0479	49.0			60.8%	20.8%	18.4%	7.4%	1.3%	90.3%	1.0%				100.0%			100.0%	53.5%	1.0%			
Toyota	All	All	2002	26.0	18.2	23.7	20.9	3732		176	184	9.6	1.066	0.0492	49.4			60.6%	19.9%	19.6%	6.1%	1.2%	91.5%	1.3%				100.0%			100.0%	67.6%	1.3%			
Toyota	All	All	2003	27.1	18.7	24.7	21.7	3624		170	178	9.4	1.083	0.0491	50.0			63.9%	19.3%	16.7%	6.4%	1.2%	91.7%	0.7%				100.0%			100.0%	75.5%	0.7%			
Toyota	All	All	2004	26.6	18.2	24.3	21.2	3862		181	191	9.3	1.074	0.0491	52.5			61.8%	23.7%	14.5%	4.9%	1.1%	91.6%	2.3%				100.0%			100.0%	79.5%	2.3%			
Toyota	All	All	2005	28.8	19.5	26.0	22.7	3711		172	186	9.2	1.093	0.0493	55.1			69.4%	18.9%	11.8%	6.5%		88.2%	5.2%				100.0%			100.0%	98.5%	5.2%			
Toyota	All	All	2006	28.4	19.4	25.4	22.4	3811		177	189	9.2	1.079	0.0489	55.7			60.8%	23.0%	16.2%	6.2%		86.4%	7.3%				100.0%			100.0%	100.0%	7.3%			
Toyota	All	All	2007	29.6	20.1	26.5	23.3	3808		178	200	9.0	1.116	0.0511	58.2			66.2%	21.0%	12.8%	4.7%		85.9%	9.4%				100.0%			100.0%	96.6%	9.5%			
Toyota	All	All	2008	29.0	19.8	25.8	22.8	3953		186	212	8.9	1.128	0.0519	59.5			59.5%	27.3%	13.2%	4.6%		83.9%	11.5%			0.4%	99.6%			100.0%	92.2%	11.6%			
Toyota	All	All	2009	32.4	21.9	29.0	25.4	3612		156	180	9.2	1.146	0.0487	60.1			77.3%	16.9%	5.7%	4.3%		87.6%	8.0%			2.1%	97.9%			100.0%	95.5%	8.1%			
Toyota	All	All	2010	32.4	22.0	28.7	25.4	3821		167	194	9.1	1.151	0.0493	66.4			68.8%	23.5%	7.7%	2.5%		83.3%	14.2%			1.6%	98.4%			100.0%	100.0%	14.2%			
Toyota	All	All	2011	30.6	20.6	27.3	23.9	3960		179	209	8.8	1.164	0.0517	63.5			68.0%	24.7%	7.3%	1.5%		89.6%	8.9%			2.3%	97.7%			100.0%	100.0%	8.9%			
Toyota	All	All	2012	32.9	22.3	28.6	25.5	3860		171	196	9.0	1.138	0.0496	68.1			69.5%	23.6%	7.0%	1.4%		81.9%	16.7%			1.3%	98.6%			100.0%	100.0%	16.2%			
Toyota	All	All	2013	32.3	21.9	28.1	25.0	3924		175	203	8.8	1.155	0.0506	67.9			63.1%	27.5%	9.3%	2.1%		82.3%	15.6%			0.5%	99.5%			100.0%	100.0%	15.4%			
Toyota	All	All	2014	32.8	22.1	28.6	25.4	3898		175	202	8.8	1.151	0.0505	67.9			66.6%	24.1%	9.2%	1.4%		72.6%	26.0%			2.0%	97.9%			99.9%	99.9%	12.5%			
Toyota	All	All	2015	32.2	21.7	28.1	25.0	3958		175	206	8.8	1.172	0.0509	67.4			60.7%	30.6%	8.8%	1.0%		75.2%	23.7%			1.7%	98.3%			100.0%	100.0%	11.4%			
Toyota	All	All	2016	32.2	21.8	28.1	25.0	3986		175	211	8.6	1.203	0.0516	67.0			58.1%	33.1%	8.7%	1.0%		73.8%	25.2%			1.6%	98.4%			100.0%	100.0%	9.2%			
Toyota	All	All	2017	33.8	22.9	29.0	26.0	3987		171	206	8.6	1.191	0.0503	72.6			60.8%	30.3%	8.9%	1.0%		69.6%	29.4%			1.5%	98.5%			99.9%	99.9%	15.9%			

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Car	Car	1975	13.9	10.7	13.5	11.8	4223		310	140		0.466	0.0326	29.8					100.0%	13.4%	86.6%				100.0%								55.2%	26.6%	18.1%
Ford	Car	Car	1976	16.6	13.1	15.6	14.1	4268		306	132		0.443	0.0304	35.7					100.0%	10.9%	89.1%				100.0%								56.4%	24.9%	18.8%
Ford	Car	Car	1977	16.5	13.0	15.6	14.0	4360	111.9	323	144		0.458	0.0328	36.1	1874	4043			100.0%	6.7%	93.3%				100.0%								55.3%	22.4%	22.3%
Ford	Car	Car	1978	18.6	14.4	18.1	15.8	3885	112.5	279	130	13.9	0.488	0.0332	36.0	2150	4060	4.7%		95.3%	13.1%	86.9%				100.0%								31.1%	49.5%	19.3%
Ford	Car	Car	1979	19.2	14.9	18.5	16.3	3621	112.5	248	119	14.5	0.512	0.0330	34.7	2198	3912	3.1%		96.9%	16.3%	83.7%				100.0%								39.2%	39.9%	20.9%
Ford	Car	Car	1980	22.5	17.4	21.9	19.1	3186	108.3	206	105	15.0	0.543	0.0329	35.7	2440	3885	6.0%		94.0%	27.2%	58.3%	14.5%			98.7%			1.3%					47.4%	37.2%	15.3%
Ford	Car	Car	1981	23.4	18.1	22.7	19.9	3065	113.7	185	101	15.1	0.608	0.0330	35.9	2721	4093	29.2%		70.8%	26.8%	51.3%	22.0%			95.1%			4.9%					44.9%	37.9%	17.2%
Ford	Car	Car	1982	24.5	18.7	24.3	20.9	3054	107.7	179	96	16.9	0.589	0.0312	37.6	2685	4051	42.1%		57.9%	31.7%	24.6%	43.7%			95.7%			4.3%					53.3%	28.5%	18.2%
Ford	Car	Car	1983	23.9	18.2	23.8	20.4	3212	112.6	203	106	14.7	0.568	0.0328	38.4	2739	4337	30.1%		69.9%	22.1%	22.1%	55.8%			71.1%		2.3%	26.6%					54.6%	24.8%	20.6%
Ford	Car	Car	1984	25.3	19.5	24.9	21.6	3189	111.5	198	106	14.6	0.578	0.0329	40.7	2896	4533	43.8%		56.2%	21.1%	28.3%	50.6%			48.6%		18.2%	31.5%	1.7%				64.8%	17.1%	18.1%
Ford	Car	Car	1985	25.9	20.0	25.5	22.1	3201	111.6	198	119	13.5	0.642	0.0366	41.8	2973	4665	42.8%		57.2%	21.7%	29.5%	48.8%			30.3%		2.4%	66.7%	0.6%				63.4%	15.7%	20.9%
Ford	Car	Car	1986	26.7	20.3	26.4	22.7	3213	111.3	190	118	12.9	0.658	0.0363	43.0	3017	4795	53.7%		46.3%	23.4%	27.6%	49.0%			27.7%		38.8%	33.0%	0.4%				63.8%	21.1%	15.0%
Ford	Car	Car	1987	26.6	19.9	26.7	22.6	3232	112.9	187	115	13.3	0.649	0.0351	43.1	3036	4864	63.2%		36.8%	21.1%	28.9%	50.0%					51.1%	48.8%	0.2%				58.5%	25.9%	15.6%
Ford	Car	Car	1988	27.0	20.2	26.9	22.9	3249	112.7	190	125	12.9	0.699	0.0381	44.0	3099	4967	61.7%		38.3%	20.7%	26.6%	52.7%			4.2%		73.9%	21.9%					58.8%	22.3%	19.0%
Ford	Car	Car	1989	27.0	20.0	26.9	22.8	3289	113.2	186	120	12.7	0.687	0.0362	44.4	3093	5044	65.9%	0.7%	33.4%	19.4%	25.1%	55.5%			2.0%		84.8%	13.2%		9.2%			51.6%	30.9%	17.6%
Ford	Car	Car	1990	26.3	19.4	26.2	22.2	3401	114.6	196	126	11.8	0.679	0.0368	44.8	3051	5152	64.6%		35.4%	12.8%	24.8%	62.4%					90.0%	10.0%		5.6%			45.0%	35.4%	19.5%
Ford	Car	Car	1991	27.3	20.0	27.0	22.9	3280	114.0	181	132	11.5	0.749	0.0394	44.9	3176	5154	72.0%		28.0%	15.5%	14.6%	70.0%					100.0%			9.3%			53.0%	29.8%	17.1%
Ford	Car	Car	1992	26.8	19.3	26.8	22.4	3429	117.5	200	145	10.9	0.733	0.0416	45.9	3176	5427	64.5%		35.5%	9.0%	17.1%	74.0%					100.0%			4.8%			38.1%	36.4%	25.4%
Ford	Car	Car	1993	27.9	20.0	27.7	23.2	3296	114.7	184	135	10.5	0.748	0.0401	46.0	3253	5304	70.8%		29.2%	15.1%	12.7%	72.2%					100.0%			9.3%			48.9%	37.2%	13.9%
Ford	Car	Car	1994	27.2	19.3	27.3	22.6	3405	115.2	197	142	10.2	0.738	0.0410	46.5	3197	5366	65.0%		35.0%	13.5%	10.2%	76.2%					100.0%			7.9%			44.0%	37.5%	18.5%
Ford	Car	Car	1995	27.7	19.4	27.9	23.0	3367	113.8	189	146	10.2	0.793	0.0424	46.8	3219	5331	67.9%		32.1%	14.1%		85.9%					100.0%			19.2%	9.0%		49.2%	35.5%	15.3%
Ford	Car	Car	1996	26.3	18.4	26.4	21.8	3495	115.0	195	157	10.3	0.822	0.0442	46.0	3053	5297	65.6%		34.4%	9.9%		90.1%					100.0%			27.8%	12.7%		37.1%	44.6%	18.3%
Ford	Car	Car	1997	27.0	18.7	26.9	22.2	3425	115.0	192	154	10.3	0.820	0.0441	46.2	3140	5320	67.4%		32.6%	8.8%		91.2%					100.0%			15.1%	5.6%		40.0%	39.4%	20.6%
Ford	Car	Car	1998	27.5	18.9	27.3	22.6	3350	110.5	182	152	10.5	0.864	0.0449	46.1	3062	5093	73.7%		26.3%	11.0%		89.0%					100.0%			31.1%	20.9%		54.4%	29.0%	16.6%
Ford	Car	Car	1999	27.2	18.6	27.0	22.3	3416	112.5	186	163	10.1	0.901	0.0472	46.6	3087	5246	74.3%		25.7%	9.4%		90.6%					100.0%			37.9%	14.8%		45.7%	35.0%	19.3%
Ford	Car	Car	2000	27.2	18.6	26.4	22.1	3446	113.9	189	173	9.5	0.921	0.0493	46.9	3127	5353	66.8%		33.2%	10.7%		89.3%					100.0%			32.8%	8.0%		43.0%	19.3%	37.8%
Ford	Car	Car	2001	26.8	18.2	26.1	21.8	3465	114.7	192	167	9.4	0.890	0.0476	46.7	3118	5358	67.8%		32.2%	8.8%		91.2%					100.0%			30.0%	14.0%		39.9%	15.2%	44.8%
Ford	Car	Car	2002	27.1	18.4	25.9	21.9	3461	113.3	187	169	9.5	0.923	0.0484	47.0	3119	5343	70.6%		29.4%	8.9%		91.1%					100.0%			34.1%	14.3%		42.7%	18.3%	39.0%
Ford	Car	Car	2003	26.7	18.0	25.4	21.5	3608	116.2	198	182	9.2	0.932	0.0500	48.1	3138	5615	62.7%		37.3%	9.6%		90.4%					100.0%			31.5%	16.5%		37.9%	12.0%	50.1%
Ford	Car	Car	2004	25.7	17.2	24.7	20.8	3714	115.8	214	192	8.9	0.917	0.0517	47.7	3007	5556	50.0%		50.0%	8.7%		91.3%					100.0%			32.5%	13.5%		34.8%	12.9%	52.3%
Ford	Car	Car	2005	27.2	18.2	25.4	21.7	3639	116.8	194	185	8.9	0.979	0.0504	49.6	3229	5823	62.5%	3.5%	34.0%	9.1%		86.6%	4.3%				100.0%			52.5%	32.4%		41.2%	9.1%	49.7%
Ford	Car	Car	2006	26.9	17.9	25.5	21.5	3676	116.3	196	195	8.7	1.016	0.0526	49.6	3178	5789	66.1%	2.8%	31.1%	9.1%		85.4%	5.5%				100.0%			60.0%	45.6%		33.0%	24.7%	42.3%
Ford	Car	Car	2007	27.7	18.4	26.3	22.2	3583	114.4	187	188	8.9	1.035	0.0522	50.1	3258	5755	67.3%	4.9%	27.7%	10.9%		87.6%	1.4%				100.0%			67.4%	18.5%		43.2%	25.4%	31.4%
Ford	Car	Car	2008	28.1	18.5	26.9	22.5	3667	115.2	194	207	8.5	1.094	0.0557	52.0	3327	6006	65.6%	4.7%	29.7%	9.5%		90.5%					100.0%			77.6%	7.2%		40.0%	29.1%	30.9%
Ford	Car	Car	2009	30.0	19.6	27.9	23.4	3557	113.8	176	194	8.6	1.119	0.0536	53.8	3499	6127	76.9%	4.8%	18.3%	7.2%		92.8%					100.0%			86.0%	20.4%		45.2%	32.9%	21.9%
Ford	Car	Car	2010	31.1	20.6	29.1	24.7	3596	113.6	177	198	8.5	1.130	0.0545	57.4	3661	6534	79.2%	5.0%	15.8%	5.0%		90.2%	4.8%			1.5%	98.5%			87.9%	62.7%	4.8%	34.9%	48.7%	16.4%
Ford	Car	Car	2011	32.1	21.1	29.7	25.3	3602	112.1	176	207	8.4	1.179	0.0565	58.9	3721	6600	77.9%	4.8%	17.3%	6.7%		90.3%	3.1%			1.3%	98.7%			92.8%	77.0%	3.1%	38.0%	40.0%	22.0%
Ford	Car	Car	2012	35.3	23.1	32.1	27.5	3381	110.3	155	195	8.2	1.252	0.0567	60.9	4032	6720	87.7%	3.0%	9.4%	7.2%	3.0%	87.4%	2.4%			37.4%	62.5%			99.9%	99.2%	2.4%			
Ford	Car	Car	2013	36.8	24.1	32.7	28.4	3537	110.5	147	202	8.1	1.388	0.0563	68.8	4337	7670	86.5%	4.3%	9.1%	8.1%	11.3%	68.6%	12.0%			46.7%	53.2%			99.8%	98.5%	12.0%			
Ford	Car	Car	2014	36.2	23.6	32.7	28.1	3475	109.3	145	200	8.1	1.397	0.0568	65.8	4166	7212	84.2%	3.3%	12.5%	7.9%	16.1%	67.7%	8.3%			51.8%	47.9%			99.8%	98.0%	8.3%			
Ford	Car	Car	2015	35.4	23.1	32.5	27.7	3598	109.4	150	213	8.0	1.445	0.0582	67.2	4129	7389	78.0%	4.8%	17.2%	8.6%	13.8%	68.7%	8.8%			46.4%	53.4%			99.8%	97.6%	8.8%			
Ford	Car	Car	2016	36.1	23.3	33.3	28.1	3559	109.8	143	205	8.1	1.449	0.0566	68.2	4242	7533	80.1%	5.5%	14.4%	8.0%	28.6%	55.4%	8.1%			49.7%	50.1%			99.8%	99.8%	8.1%			
Ford	Car	Car	2017	34.6	22.3	31.8	26.9	3738	111.8	146	217	8.0	1.507	0.0572	69.9	4223	7869	76.2%	8.3%	15.5%	7.9%	20.2%	61.3%	10.5%			52.8%	47.0%			99.8%	99.0%	10.5%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Car	Car SUV	1975																																	
Ford	Car	Car SUV	1976																																	
Ford	Car	Car SUV	1977																																	
Ford	Car	Car SUV	1978																																	
Ford	Car	Car SUV	1979																																	
Ford	Car	Car SUV	1980																																	
Ford	Car	Car SUV	1981																																	
Ford	Car	Car SUV	1982																																	
Ford	Car	Car SUV	1983																																	
Ford	Car	Car SUV	1984																																	
Ford	Car	Car SUV	1985																																	
Ford	Car	Car SUV	1986	23.5	18.0	23.0	20.0	3500		179	139	11.8	0.777	0.0397	41.1					100.0%	60.0%		40.0%				100.0%										
Ford	Car	Car SUV	1987	23.3	17.5	23.3	19.8	3500		179	139	12.4	0.777	0.0397	40.8					100.0%	14.8%		85.2%				100.0%										
Ford	Car	Car SUV	1988	23.0	17.5	22.1	19.4	3500		179	139	12.2	0.777	0.0397	40.3					100.0%	48.3%		51.7%				100.0%										
Ford	Car	Car SUV	1989	23.1	17.5	22.3	19.5	3500		179	139	11.7	0.777	0.0397	40.5					100.0%	56.4%		43.6%				100.0%										
Ford	Car	Car SUV	1990	23.2	17.4	22.3	19.5	3500		179	140	10.9	0.782	0.0400	40.6					100.0%	55.6%		44.4%				100.0%										
Ford	Car	Car SUV	1991	21.2	15.7	20.8	17.8	4000		231	170	10.6	0.736	0.0425	42.6					100.0%	21.4%		78.6%				100.0%										
Ford	Car	Car SUV	1992	21.2	15.6	20.5	17.7	4000		231	170	10.4	0.736	0.0425	42.4					100.0%	16.5%		83.5%				100.0%										
Ford	Car	Car SUV	1993	21.6	15.8	20.9	18.0	4000		231	170	9.8	0.736	0.0425	43.2					100.0%	14.0%		86.0%				100.0%										
Ford	Car	Car SUV	1994	21.1	15.4	20.3	17.5	4000		231	170	9.7	0.736	0.0425	42.2					100.0%	15.6%		84.4%				100.0%										
Ford	Car	Car SUV	1995	22.5	16.2	21.6	18.6	4000		244	160	10.1	0.656	0.0400	45.0					100.0%	41.2%		58.8%				100.0%										
Ford	Car	Car SUV	1996	22.3	16.0	21.7	18.5	4000		244	160	10.6	0.656	0.0400	44.7					100.0%	29.8%		70.2%				100.0%										
Ford	Car	Car SUV	1997	21.4	15.3	20.4	17.6	4000		244	160	10.4	0.656	0.0400	42.8					100.0%	25.4%		74.6%				100.0%										
Ford	Car	Car SUV	1998	21.2	15.2	20.0	17.4	4000		244	160	10.8	0.656	0.0400	42.5					100.0%	8.9%		91.1%				100.0%										
Ford	Car	Car SUV	1999	21.7	15.5	20.3	17.7	4000		244	160	10.8	0.656	0.0400	43.5					100.0%	6.4%		93.6%				100.0%										
Ford	Car	Car SUV	2000	21.0	14.8	19.8	17.2	4000		244	163	10.2	0.666	0.0406	42.1					100.0%	3.5%		96.5%				100.0%										
Ford	Car	Car SUV	2001	22.3	15.6	20.8	18.1	3826		219	202	8.7	0.942	0.0530	42.8			43.3%		56.7%	5.5%		94.5%				100.0%			34.8%							
Ford	Car	Car SUV	2002	23.6	16.4	21.9	19.0	3647		198	200	8.8	1.027	0.0550	43.2			70.5%		29.5%	6.7%		93.3%				100.0%			70.5%							
Ford	Car	Car SUV	2003	24.1	16.5	22.5	19.4	3613		194	200	8.7	1.044	0.0555	43.5			77.5%		22.5%	4.3%		95.7%				100.0%			77.5%							
Ford	Car	Car SUV	2004	25.1	17.0	23.5	20.2	3500		180	198	8.7	1.098	0.0565	43.9			100.0%			3.1%		96.9%				100.0%			100.0%							
Ford	Car	Car SUV	2005	26.6	18.4	23.3	20.9	3517		166	181	9.3	1.092	0.0516	47.2			100.0%			2.7%		93.8%	3.5%			100.0%			100.0%		3.5%					
Ford	Car	Car SUV	2006	27.3	19.1	23.5	21.4	3545		162	176	9.4	1.084	0.0500	49.4			100.0%			3.1%		87.9%	9.1%			100.0%			100.0%		9.1%					
Ford	Car	Car SUV	2007	25.7	17.5	23.5	20.4	4064		189	215	9.1	1.114	0.0522	52.5			100.0%			1.2%		94.4%	4.5%			100.0%			100.0%	17.4%	4.5%					
Ford	Car	Car SUV	2008	27.0	18.3	24.5	21.4	3905		180	207	9.0	1.140	0.0527	53.5			100.0%			1.1%		91.6%	7.3%			100.0%			100.0%		7.3%					
Ford	Car	Car SUV	2009	28.6	19.3	26.1	22.7	3791		176	213	8.2	1.200	0.0563	55.3			100.0%			0.8%		90.2%	9.0%			100.0%			100.0%	42.9%	9.0%					
Ford	Car	Car SUV	2010	28.3	19.1	25.8	22.4	3919		184	224	8.2	1.209	0.0570	55.6			100.0%			0.4%		96.8%	2.9%			100.0%			100.0%	100.0%	2.9%					
Ford	Car	Car SUV	2011	29.0	19.4	26.3	22.8	3927		188	239	7.9	1.257	0.0606	57.0			100.0%			0.3%		97.6%	2.0%				100.0%		100.0%	100.0%	2.0%					
Ford	Car	Car SUV	2012	29.6	19.9	26.7	23.3	3780		173	221	8.2	1.271	0.0580	56.1			100.0%			0.5%		97.9%	1.6%			6.4%	93.6%			100.0%	100.0%	1.6%					
Ford	Car	Car SUV	2013	30.7	20.2	28.4	24.2	4179		160	236	8.2	1.551	0.0561	64.2			100.0%					100.0%				47.3%	52.7%			100.0%	100.0%						
Ford	Car	Car SUV	2014	31.0	20.5	28.4	24.4	3932		141	213	8.5	1.583	0.0537	60.9			100.0%					100.0%				59.2%	40.8%			100.0%	100.0%						
Ford	Car	Car SUV	2015	31.6	20.7	29.0	24.7	4008		138	214	8.5	1.618	0.0531	63.4			100.0%					100.0%				61.2%	38.8%			100.0%	100.0%						
Ford	Car	Car SUV	2016	31.8	20.9	29.2	24.9	3995		139	212	8.6	1.585	0.0526	63.7			100.0%					100.0%				57.3%	42.7%			100.0%	100.0%						
Ford	Car	Car SUV	2017	32.7	21.6	29.1	25.3	4072		123	214	8.6	1.808	0.0525	66.7			100.0%					100.0%				77.9%	22.1%			100.0%	100.0%						

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Car	All	1975	13.9	10.7	13.5	11.8	4223		310	140		0.466	0.0326	29.8					100.0%	13.4%	86.6%				100.0%								55.2%	26.6%	18.1%
Ford	Car	All	1976	16.6	13.1	15.6	14.1	4268		306	132		0.443	0.0304	35.7					100.0%	10.9%	89.1%				100.0%								56.4%	24.9%	18.8%
Ford	Car	All	1977	16.5	13.0	15.6	14.0	4360		323	144		0.458	0.0328	36.1					100.0%	6.7%	93.3%				100.0%								55.3%	22.4%	22.3%
Ford	Car	All	1978	18.6	14.4	18.1	15.8	3885		279	130	13.9	0.488	0.0332	36.0			4.7%		95.3%	13.1%	86.9%				100.0%								31.1%	49.5%	19.3%
Ford	Car	All	1979	19.2	14.9	18.5	16.3	3621		248	119	14.5	0.512	0.0330	34.7			3.1%		96.9%	16.3%	83.7%				100.0%								39.2%	39.9%	20.9%
Ford	Car	All	1980	22.5	17.4	21.9	19.1	3186		206	105	15.0	0.543	0.0329	35.7			6.0%		94.0%	27.2%	58.3%	14.5%			98.7%			1.3%					47.4%	37.2%	15.3%
Ford	Car	All	1981	23.4	18.1	22.7	19.9	3065		185	101	15.1	0.608	0.0330	35.9			29.2%		70.8%	26.8%	51.3%	22.0%			95.1%			4.9%					44.9%	37.9%	17.2%
Ford	Car	All	1982	24.5	18.7	24.3	20.9	3054		179	96	16.9	0.589	0.0312	37.6			42.1%		57.9%	31.7%	24.6%	43.7%			95.7%			4.3%					53.3%	28.5%	18.2%
Ford	Car	All	1983	23.9	18.2	23.8	20.4	3212		203	106	14.7	0.568	0.0328	38.4			30.1%		69.9%	22.1%	22.1%	55.8%			71.1%		2.3%	26.6%					54.6%	24.8%	20.6%
Ford	Car	All	1984	25.3	19.5	24.9	21.6	3189		198	106	14.6	0.578	0.0329	40.7			43.8%		56.2%	21.1%	28.3%	50.6%			48.6%		18.2%	31.5%	1.7%				64.8%	17.1%	18.1%
Ford	Car	All	1985	25.9	20.0	25.5	22.1	3201		198	119	13.5	0.642	0.0366	41.8			42.8%		57.2%	21.7%	29.5%	48.8%			30.3%		2.4%	66.7%	0.6%				63.4%	15.7%	20.9%
Ford	Car	All	1986	26.7	20.3	26.4	22.7	3213		190	118	12.9	0.658	0.0363	43.0			53.7%		46.3%	23.4%	27.6%	49.0%			27.7%		38.8%	33.0%	0.4%						
Ford	Car	All	1987	26.5	19.9	26.6	22.5	3235		186	115	13.3	0.651	0.0351	43.0			62.4%		37.6%	21.0%	28.6%	50.4%					51.6%	48.2%	0.2%						
Ford	Car	All	1988	26.9	20.1	26.8	22.8	3253		189	126	12.9	0.701	0.0381	43.9			60.8%		39.2%	21.1%	26.2%	52.7%			4.1%		74.3%	21.6%							
Ford	Car	All	1989	27.0	20.0	26.8	22.7	3291		186	120	12.7	0.688	0.0362	44.3			65.1%	0.7%	34.3%	19.9%	24.7%	55.4%			2.0%		85.0%	13.0%		9.1%					
Ford	Car	All	1990	26.3	19.3	26.2	22.1	3403		196	126	11.8	0.681	0.0368	44.8			63.9%		36.1%	13.2%	24.6%	62.2%					90.1%	9.9%		5.6%					
Ford	Car	All	1991	27.0	19.7	26.7	22.6	3314		184	134	11.5	0.748	0.0396	44.8			68.7%		31.3%	15.7%	13.9%	70.4%					100.0%			8.9%					
Ford	Car	All	1992	26.4	19.1	26.3	22.1	3461		202	147	10.8	0.734	0.0416	45.7			61.0%		39.0%	9.4%	16.1%	74.5%					100.0%			4.6%					
Ford	Car	All	1993	27.5	19.8	27.3	22.9	3327		186	136	10.5	0.747	0.0402	45.9			67.7%		32.3%	15.0%	12.2%	72.8%					100.0%			8.9%					
Ford	Car	All	1994	26.8	19.0	26.7	22.3	3440		199	144	10.2	0.738	0.0411	46.2			61.2%		38.8%	13.6%	9.7%	76.7%					100.0%			7.4%					
Ford	Car	All	1995	27.7	19.4	27.9	23.0	3370		190	147	10.2	0.792	0.0424	46.8			67.5%		32.5%	14.3%		85.7%					100.0%			19.0%	8.9%				
Ford	Car	All	1996	26.2	18.3	26.3	21.7	3502		196	157	10.3	0.820	0.0441	46.0			64.7%		35.3%	10.1%		89.9%					100.0%			27.5%	12.6%				
Ford	Car	All	1997	26.9	18.6	26.8	22.1	3434		192	154	10.3	0.818	0.0441	46.2			66.4%		33.6%	9.0%		91.0%					100.0%			14.9%	5.5%				
Ford	Car	All	1998	26.7	18.5	26.4	21.9	3414		188	153	10.5	0.844	0.0444	45.7			66.5%		33.5%	10.8%		89.2%					100.0%			28.1%	18.8%				
Ford	Car	All	1999	26.6	18.3	26.2	21.8	3468		191	163	10.1	0.879	0.0466	46.3			67.7%		32.3%	9.2%		90.8%					100.0%			34.5%	13.5%				
Ford	Car	All	2000	26.5	18.2	25.7	21.6	3492		194	173	9.5	0.900	0.0486	46.5			61.3%		38.7%	10.1%		89.9%					100.0%			30.0%	7.4%				
Ford	Car	All	2001	26.1	17.8	25.3	21.2	3513		195	172	9.3	0.897	0.0483	46.2			64.5%		35.5%	8.3%		91.7%					100.0%			30.6%	12.1%				
Ford	Car	All	2002	26.8	18.3	25.5	21.7	3476		188	172	9.4	0.931	0.0489	46.7			70.6%		29.4%	8.7%		91.3%					100.0%			37.1%	13.2%				
Ford	Car	All	2003	26.5	17.9	25.2	21.3	3608		198	184	9.1	0.941	0.0504	47.7			63.8%		36.2%	9.2%		90.8%					100.0%			35.2%	15.2%				
Ford	Car	All	2004	25.7	17.2	24.6	20.7	3700		212	193	8.9	0.928	0.0520	47.5			53.1%		46.9%	8.4%		91.6%					100.0%			36.7%	12.6%				
Ford	Car	All	2005	27.2	18.3	25.2	21.6	3625		191	184	9.0	0.992	0.0505	49.3			66.9%	3.1%	30.0%	8.3%		87.5%	4.2%				100.0%			58.0%	28.6%	0.4%			
Ford	Car	All	2006	26.9	18.0	25.3	21.5	3663		192	193	8.8	1.023	0.0523	49.6			69.3%	2.5%	28.2%	8.5%		85.7%	5.8%				100.0%			63.8%	41.2%	0.9%			
Ford	Car	All	2007	27.4	18.3	25.8	21.9	3656		187	193	8.9	1.047	0.0522	50.5			72.3%	4.2%	23.5%	9.5%		88.7%	1.9%				100.0%			72.4%	18.4%	0.7%			
Ford	Car	All	2008	27.8	18.5	26.2	22.2	3731		190	207	8.6	1.107	0.0549	52.4			75.0%	3.4%	21.7%	7.2%		90.8%	2.0%				100.0%			83.7%	5.3%	2.0%			
Ford	Car	All	2009	29.6	19.5	27.5	23.2	3615		176	199	8.5	1.139	0.0543	54.2			82.7%	3.6%	13.8%	5.6%		92.1%	2.2%				100.0%			89.5%	26.0%	2.2%			
Ford	Car	All	2010	30.4	20.2	28.2	24.1	3674		179	204	8.4	1.149	0.0551	57.0			84.2%	3.8%	12.0%	3.9%		91.8%	4.3%			1.1%	98.9%			90.8%	71.7%	4.3%			
Ford	Car	All	2011	31.2	20.6	28.7	24.6	3690		179	216	8.2	1.200	0.0576	58.4			83.9%	3.5%	12.6%	4.9%		92.3%	2.8%			0.9%	99.1%			94.8%	83.2%	2.8%			
Ford	Car	All	2012	34.1	22.4	30.9	26.6	3454		158	199	8.2	1.255	0.0569	60.1			89.9%	2.4%	7.6%	6.0%	2.4%	89.3%	2.3%			31.7%	68.2%			99.9%	99.3%	2.3%			
Ford	Car	All	2013	34.8	22.8	31.4	27.0	3722		150	212	8.1	1.435	0.0562	67.5			90.4%	3.1%	6.5%	5.8%	8.1%	77.6%	8.5%			46.8%	53.0%			99.9%	99.0%	8.5%			
Ford	Car	All	2014	34.8	22.8	31.6	27.1	3582		144	203	8.2	1.440	0.0560	64.6			87.9%	2.5%	9.6%	6.1%	12.3%	75.3%	6.3%			53.6%	46.3%			99.8%	98.5%	6.3%			
Ford	Car	All	2015	34.4	22.5	31.6	26.9	3693		147	213	8.1	1.485	0.0570	66.3			83.1%	3.7%	13.2%	6.6%	10.6%	76.0%	6.8%			49.8%	50.0%			99.8%	98.2%	6.8%			
Ford	Car	All	2016	35.0	22.7	32.3	27.4	3654		142	206	8.2	1.479	0.0557	67.3			84.5%	4.3%	11.2%	6.2%	22.4%	65.1%	6.3%			51.3%	48.5%			99.8%	99.8%	6.3%			
Ford	Car	All	2017	34.0	22.1	30.9	26.4	3842		139	216	8.2	1.601	0.0557	68.9			83.6%	5.7%	10.7%	5.4%	13.9%	73.3%	7.3%			60.6%	39.3%			99.9%	99.3%	7.3%			

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Truck	Van	1975	12.6	10.0	11.7	10.7	4135		334	148		0.434	0.0356	26.4					100.0%	31.4%	68.6%				100.0%											
Ford	Truck	Van	1976	13.4	10.6	12.7	11.4	4081		336	151		0.444	0.0370	28.0					100.0%	24.8%	75.2%				100.0%											
Ford	Truck	Van	1977	15.5	12.5	14.1	13.2	4110		343	158		0.459	0.0385	32.2					100.0%	17.4%	82.6%				100.0%											
Ford	Truck	Van	1978	15.0	12.2	13.6	12.8	4088		335	145	13.3	0.430	0.0354	31.2					100.0%	16.5%	83.5%				100.0%											
Ford	Truck	Van	1979	12.1	9.7	11.1	10.3	4665		336	163	14.4	0.480	0.0348	28.6					100.0%	13.9%	86.1%				100.0%											
Ford	Truck	Van	1980	16.2	13.0	14.9	13.8	4625		314	132	16.6	0.419	0.0286	37.9					100.0%	23.7%	76.3%				100.0%											
Ford	Truck	Van	1981	16.8	13.6	15.3	14.3	4509		310	128	16.6	0.413	0.0284	38.3					100.0%	24.3%	75.7%	0.1%			100.0%											
Ford	Truck	Van	1982	16.2	13.0	14.7	13.8	4544		314	130	17.7	0.416	0.0288	37.1					100.0%	14.9%	85.1%				100.0%											
Ford	Truck	Van	1983	16.3	12.9	15.1	13.8	4516		313	134	15.7	0.429	0.0297	37.1					100.0%	10.6%	53.4%	36.0%			100.0%											
Ford	Truck	Van	1984	16.6	13.1	15.6	14.1	4389		313	142	15.0	0.452	0.0324	36.8					100.0%	11.8%	51.6%	36.6%			100.0%											
Ford	Truck	Van	1985	16.2	12.8	15.2	13.8	4464		311	145	14.7	0.464	0.0325	36.4					100.0%	6.8%	42.8%	50.4%			100.0%											
Ford	Truck	Van	1986	19.7	15.3	18.9	16.7	4218		242	131	14.7	0.570	0.0311	41.8					100.0%	8.4%	21.3%	70.3%			45.0%		55.0%									
Ford	Truck	Van	1987	19.6	15.0	19.0	16.6	4247		236	149	13.6	0.671	0.0352	42.0					100.0%	5.3%	20.6%	74.1%			5.8%		94.2%									
Ford	Truck	Van	1988	19.4	14.8	18.8	16.4	4358		240	150	13.9	0.661	0.0346	42.5					100.0%	4.4%	20.3%	75.3%					100.0%									
Ford	Truck	Van	1989	19.8	15.0	19.2	16.7	4274		229	149	13.4	0.685	0.0351	42.6					100.0%	3.4%	17.4%	79.2%					100.0%									
Ford	Truck	Van	1990	19.3	14.5	18.7	16.3	4317		240	155	12.3	0.678	0.0362	42.0				7.9%	92.1%	1.5%	9.3%	89.1%					100.0%									
Ford	Truck	Van	1991	19.8	14.7	19.2	16.6	4283		236	156	12.3	0.690	0.0368	42.6				10.4%	89.6%	1.3%	7.4%	91.3%					100.0%									
Ford	Truck	Van	1992	19.7	14.6	18.9	16.4	4427		239	156	12.2	0.685	0.0357	43.6				7.3%	92.7%	1.1%	6.1%	92.8%					100.0%									
Ford	Truck	Van	1993	20.8	15.2	20.2	17.4	4280		220	158	11.2	0.740	0.0370	44.7			21.2%	5.5%	73.2%	0.9%	4.6%	94.6%					100.0%									
Ford	Truck	Van	1994	19.9	14.5	19.3	16.6	4437		237	161	11.2	0.705	0.0365	44.3			18.6%	5.1%	76.3%	0.6%	6.2%	93.2%					100.0%									
Ford	Truck	Van	1995	21.7	15.5	21.3	18.0	4182		239	149	11.6	0.640	0.0357	45.4			68.2%	14.4%	17.4%		3.3%	96.7%					100.0%									
Ford	Truck	Van	1996	21.4	15.3	20.8	17.7	4214		235	178	10.9	0.772	0.0426	45.3			68.4%	1.9%	29.7%		3.9%	96.1%					100.0%									
Ford	Truck	Van	1997	20.7	14.7	20.2	17.1	4408		229	177	11.2	0.781	0.0401	45.6			42.0%	3.5%	54.6%			100.0%					100.0%									
Ford	Truck	Van	1998	22.4	15.7	21.7	18.4	4205		227	186	10.8	0.823	0.0445	47.0			82.8%		17.2%			100.0%					100.0%									
Ford	Truck	Van	1999	21.0	14.7	20.2	17.2	4578		238	198	10.8	0.837	0.0433	48.1			73.5%		26.5%			100.0%					100.0%									
Ford	Truck	Van	2000	21.6	15.1	20.7	17.7	4543		236	200	10.2	0.849	0.0440	49.2			83.4%		16.6%			100.0%					100.0%									
Ford	Truck	Van	2001	18.0	12.5	17.3	14.7	5337		296	241	9.8	0.816	0.0451	48.0			7.9%	32.8%	59.4%			100.0%					100.0%									
Ford	Truck	Van	2002	21.9	15.2	20.4	17.7	4570		238	202	10.2	0.851	0.0443	50.1			80.2%		19.8%			100.0%					100.0%									
Ford	Truck	Van	2003	22.2	15.2	20.9	17.9	4613		241	205	10.1	0.852	0.0445	51.3			80.2%		19.8%			100.0%					100.0%									
Ford	Truck	Van	2004	21.5	14.6	20.4	17.4	4620		253	203	10.1	0.803	0.0439	49.7			82.4%		17.6%			100.0%					100.0%									
Ford	Truck	Van	2005	23.5	16.1	21.6	18.8	4464		223	204	9.7	0.937	0.0457	52.6			67.4%	20.6%	12.0%			57.1%	42.9%				100.0%			42.9%					
Ford	Truck	Van	2006	22.6	15.4	20.9	18.1	4530		232	208	9.7	0.924	0.0461	51.5			62.2%	13.7%	24.1%			62.1%	37.9%				100.0%			37.9%					
Ford	Truck	Van	2007	24.6	16.7	22.8	19.7	4283		205	201	9.6	1.005	0.0471	52.7			78.0%	22.0%				34.6%	65.4%				100.0%			65.4%					
Ford	Truck	Van	2008	24.0	16.0	22.9	19.3	4500		213	265	8.2	1.244	0.0589	54.0			64.8%	35.2%				100.0%					100.0%			100.0%					
Ford	Truck	Van	2009	24.4	16.3	23.2	19.6	4500		213	265	8.0	1.244	0.0589	54.9			77.3%	22.7%				100.0%					100.0%			100.0%	100.0%				
Ford	Truck	Van	2010	30.3	21.7	24.9	23.4	3500		122	140	11.6	1.148	0.0400	53.1			100.0%					100.0%					100.0%			100.0%					
Ford	Truck	Van	2011	27.7	19.3	23.7	21.6	3777		142	151	11.5	1.108	0.0400	52.5			89.1%		10.9%			100.0%					100.0%			89.1%					
Ford	Truck	Van	2012	28.5	19.6	24.9	22.3	3721		138	145	11.8	1.086	0.0389	53.1			91.5%		8.5%			100.0%					100.0%			91.5%					
Ford	Truck	Van	2013	28.8	19.8	25.2	22.5	3670		134	143	11.8	1.093	0.0389	53.1			93.4%		6.6%			100.0%					100.0%			93.4%					
Ford	Truck	Van	2014	28.5	19.2	26.0	22.5	4123		164	180	10.1	1.124	0.0438	59.3			88.3%	5.4%	6.3%			100.0%				4.4%	95.6%			93.7%	93.7%				
Ford	Truck	Van	2015	28.9	19.4	26.4	22.8	4194		160	186	10.0	1.167	0.0441	60.6			85.5%	3.2%	11.3%			100.0%				5.7%	94.3%			100.0%	100.0%				
Ford	Truck	Van	2016	27.7	18.6	25.3	21.9	4244		161	187	10.0	1.161	0.0438	58.6			84.7%	2.2%	13.2%			100.0%				6.2%	93.8%			100.0%	100.0%				
Ford	Truck	Van	2017	27.2	18.4	24.8	21.6	4318		167	192	9.9	1.139	0.0441	58.7			80.1%	1.5%	18.4%			100.0%				2.7%	97.3%			100.0%	100.0%				

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering											
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Vehicle Size Small	Mid	Large
Ford	Truck	Truck SUV	1975	10.6	8.5	9.7	9.0	5000		302	130		0.430	0.0260	26.5				100.0%		36.1%	63.9%				100.0%										
Ford	Truck	Truck SUV	1976	13.7	11.0	12.5	11.6	5000		302	127		0.420	0.0254	34.5				100.0%		33.6%	66.4%				100.0%										
Ford	Truck	Truck SUV	1977	14.5	11.9	12.8	12.3	5000		302	141		0.467	0.0282	36.3				100.0%		25.9%	74.1%				100.0%										
Ford	Truck	Truck SUV	1978	13.2	10.6	12.2	11.2	5000		362	165	13.9	0.455	0.0330	33.1				100.0%		21.1%	78.9%				100.0%										
Ford	Truck	Truck SUV	1979	11.0	9.0	9.7	9.3	5000		351	177	13.7	0.504	0.0354	27.5				100.0%		18.6%	81.4%				100.0%										
Ford	Truck	Truck SUV	1980	14.0	11.3	12.6	11.8	4738		321	142	15.7	0.442	0.0300	33.2				100.0%		28.2%	71.8%				100.0%										
Ford	Truck	Truck SUV	1981	15.1	12.2	13.7	12.8	4686		321	137	15.9	0.428	0.0292	35.8				100.0%		33.6%	66.4%				100.0%										
Ford	Truck	Truck SUV	1982	14.8	12.0	13.2	12.5	4677		319	138	16.9	0.433	0.0295	34.9				100.0%		28.8%	71.2%				100.0%										
Ford	Truck	Truck SUV	1983	15.3	12.2	14.0	13.0	4673		318	137	15.6	0.431	0.0293	36.2				100.0%		24.3%	75.7%				100.0%										
Ford	Truck	Truck SUV	1984	18.3	14.6	17.0	15.6	3989		226	119	16.1	0.544	0.0296	36.8				100.0%		22.6%	77.4%				100.0%										
Ford	Truck	Truck SUV	1985	18.8	14.8	17.8	16.0	3978		226	127	14.9	0.568	0.0312	37.8				100.0%		38.1%	23.5%	38.4%			94.1%		5.9%		0.0%						
Ford	Truck	Truck SUV	1986	19.8	15.4	19.0	16.8	3975		226	146	12.7	0.680	0.0372	39.4				100.0%		30.2%	9.9%	59.9%			12.3%		87.7%								
Ford	Truck	Truck SUV	1987	20.0	15.4	19.3	17.0	3972		221	145	12.8	0.690	0.0372	39.9				100.0%		37.4%	12.4%	50.3%			7.1%		92.9%								
Ford	Truck	Truck SUV	1988	19.6	15.0	18.8	16.6	4004		226	149	12.9	0.692	0.0377	39.2				100.0%		33.7%	14.6%	51.6%					100.0%								
Ford	Truck	Truck SUV	1989	18.6	14.1	17.8	15.7	4494		248	153	13.0	0.651	0.0342	42.2				100.0%		28.0%	16.4%	55.6%					100.0%								
Ford	Truck	Truck SUV	1990	18.0	13.4	17.7	15.2	4584		265	160	12.0	0.635	0.0350	41.7				100.0%		21.6%	0.1%	78.3%					100.0%								
Ford	Truck	Truck SUV	1991	19.8	14.7	19.2	16.6	4491		240	172	11.5	0.723	0.0384	44.5				100.0%		15.4%		84.6%					100.0%								
Ford	Truck	Truck SUV	1992	19.6	14.6	18.8	16.4	4502		241	171	11.3	0.716	0.0380	44.2				100.0%		12.7%		87.3%					100.0%								
Ford	Truck	Truck SUV	1993	19.7	14.5	19.0	16.4	4514		244	173	10.5	0.718	0.0384	44.6				100.0%		10.8%		89.2%					100.0%								
Ford	Truck	Truck SUV	1994	19.7	14.5	18.9	16.4	4511		242	173	10.5	0.720	0.0384	44.6				100.0%		6.4%		93.6%					100.0%								
Ford	Truck	Truck SUV	1995	19.6	14.3	18.7	16.2	4557		256	171	10.8	0.675	0.0376	44.6				78.4%	21.6%	3.8%		96.2%					100.0%								
Ford	Truck	Truck SUV	1996	19.6	14.0	19.1	16.2	4539		261	167	11.5	0.643	0.0369	44.6				70.4%	29.6%	3.1%		96.9%					100.0%								
Ford	Truck	Truck SUV	1997	18.7	13.4	17.9	15.4	4762		280	191	10.7	0.680	0.0400	44.5				71.6%	28.4%	1.1%		98.9%					100.0%								
Ford	Truck	Truck SUV	1998	18.2	13.0	17.5	15.0	4947		287	199	11.0	0.690	0.0401	45.0				78.4%	21.6%	0.9%		99.1%					100.0%								
Ford	Truck	Truck SUV	1999	18.1	12.8	17.5	14.9	5041		288	218	10.4	0.762	0.0436	45.5				75.2%	24.8%	0.5%		99.5%					100.0%		4.6%						
Ford	Truck	Truck SUV	2000	18.4	12.9	17.7	15.1	5010		288	221	9.8	0.768	0.0441	46.1				71.4%	28.6%	0.4%		99.6%					100.0%								
Ford	Truck	Truck SUV	2001	20.9	14.6	19.8	17.0	4429		238	210	9.3	0.893	0.0477	46.4			30.7%	54.7%	14.5%	1.0%		99.0%					100.0%		22.1%						
Ford	Truck	Truck SUV	2002	19.6	13.6	18.5	15.9	4552		252	220	9.2	0.881	0.0485	44.5				63.3%	36.7%	0.9%		99.1%					100.0%		12.8%						
Ford	Truck	Truck SUV	2003	19.0	13.1	18.1	15.5	4958		267	232	9.3	0.878	0.0473	46.9				60.4%	39.6%	0.0%		100.0%					100.0%		17.6%						
Ford	Truck	Truck SUV	2004	19.2	13.3	18.0	15.6	4916		266	230	9.3	0.873	0.0472	47.1			3.2%	59.8%	37.1%			100.0%					100.0%		16.3%						
Ford	Truck	Truck SUV	2005	20.2	13.9	18.6	16.2	4760		247	233	9.2	0.958	0.0487	48.1				71.9%	28.1%	0.3%		98.3%	1.4%				100.0%		62.1%	25.0%	1.4%				
Ford	Truck	Truck SUV	2006	20.2	13.8	18.8	16.3	4947		253	236	9.3	0.943	0.0476	50.1				67.7%	32.3%	0.2%		96.7%	3.1%				100.0%		59.5%	36.6%	3.1%				
Ford	Truck	Truck SUV	2007	21.1	14.4	19.8	17.0	4736		236	236	9.1	1.016	0.0499	50.2				72.5%	27.5%	0.2%		97.3%	2.5%				100.0%		64.3%	15.2%	2.5%				
Ford	Truck	Truck SUV	2008	22.5	15.3	20.7	18.0	4582		220	225	9.3	1.039	0.0491	51.8				79.7%	20.3%			95.7%	4.3%				100.0%		74.5%	10.2%	4.3%				
Ford	Truck	Truck SUV	2009	24.1	16.3	22.4	19.3	4468		206	238	8.5	1.170	0.0535	54.2			17.7%	73.6%	8.7%			95.3%	4.7%				100.0%		85.1%	43.9%	4.7%				
Ford	Truck	Truck SUV	2010	23.1	15.8	21.3	18.5	4717		224	244	8.7	1.116	0.0521	54.9			8.6%	75.9%	15.5%			98.0%	2.0%			2.5%	97.5%		76.5%	64.0%	2.0%				
Ford	Truck	Truck SUV	2011	24.5	16.7	22.5	19.6	4725		221	269	8.1	1.239	0.0573	57.9			19.5%	73.7%	6.8%			98.8%	1.2%			1.8%	98.2%		100.0%	100.0%	1.2%				
Ford	Truck	Truck SUV	2012	24.8	16.9	22.6	19.8	4659		216	264	8.1	1.254	0.0570	57.5			19.6%	73.3%	7.0%			99.2%	0.8%			4.5%	95.5%		100.0%	100.0%	0.8%				
Ford	Truck	Truck SUV	2013	26.1	17.6	24.1	20.8	4678		197	272	8.0	1.466	0.0584	61.2			22.1%	74.3%	3.6%			100.0%				30.7%	69.3%		100.0%	95.0%					
Ford	Truck	Truck SUV	2014	26.2	17.6	24.2	20.8	4686		193	270	8.1	1.487	0.0577	61.5			21.9%	74.2%	3.8%			100.0%				37.3%	62.7%		100.0%	92.9%					
Ford	Truck	Truck SUV	2015	26.2	17.6	24.2	20.9	4735		180	282	7.9	1.616	0.0594	62.1			18.7%	76.7%	4.5%			100.0%				52.9%	47.1%		100.0%	96.6%					
Ford	Truck	Truck SUV	2016	26.1	17.5	24.1	20.7	4730		177	282	7.9	1.645	0.0595	61.8			17.9%	78.7%	3.4%			100.0%				59.4%	40.6%		100.0%	100.0%					
Ford	Truck	Truck SUV	2017	26.1	17.6	24.0	20.8	4728		173	281	7.9	1.696	0.0593	61.8			16.4%	79.2%	4.4%			100.0%				63.9%	36.1%		100.0%	98.6%					

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering											
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Truck	Pickup	1975	12.6	9.9	11.8	10.7	4181		325	138		0.437	0.0328	26.9				15.5%	84.5%	39.6%	60.4%				100.0%										
Ford	Truck	Pickup	1976	13.9	11.2	12.5	11.8	4229		332	139		0.425	0.0326	30.2				20.4%	79.6%	42.8%	57.2%				100.0%										
Ford	Truck	Pickup	1977	15.9	12.7	14.9	13.6	4189		335	155		0.470	0.0367	34.6				20.6%	79.4%	38.8%	61.2%				100.0%										
Ford	Truck	Pickup	1978	15.9	12.7	14.7	13.5	4216		327	147	13.6	0.455	0.0346	34.6				26.1%	73.9%	39.1%	60.9%				100.0%										
Ford	Truck	Pickup	1979	14.8	12.1	13.4	12.6	4144		318	156	13.7	0.491	0.0370	31.5				17.5%	82.5%	33.5%	66.5%				100.0%										
Ford	Truck	Pickup	1980	18.0	14.4	16.6	15.3	4032		287	127	15.4	0.453	0.0312	37.0				19.5%	80.5%	54.8%	45.2%				100.0%										
Ford	Truck	Pickup	1981	19.3	15.3	18.1	16.4	3890		281	121	15.4	0.445	0.0309	38.1				12.5%	87.5%	53.7%	36.0%	10.3%			100.0%										
Ford	Truck	Pickup	1982	18.3	14.6	16.8	15.5	3972		292	126	16.1	0.441	0.0318	36.9				17.0%	83.0%	45.3%	54.7%				100.0%										
Ford	Truck	Pickup	1983	20.3	16.1	19.0	17.3	3579		233	110	15.6	0.499	0.0304	37.2				19.7%	80.3%	53.0%	33.4%	13.6%			98.7%				1.3%						
Ford	Truck	Pickup	1984	19.5	15.4	18.3	16.6	3768		251	119	15.1	0.492	0.0313	37.5				28.5%	71.5%	49.2%	35.0%	15.8%			99.4%				0.6%						
Ford	Truck	Pickup	1985	20.3	16.1	19.0	17.3	3688		251	125	14.1	0.520	0.0337	38.2				25.8%	74.2%	53.2%	20.8%	25.9%			74.6%		25.2%		0.2%						
Ford	Truck	Pickup	1986	20.6	16.2	19.2	17.5	3793		249	130	13.3	0.552	0.0343	39.4				27.1%	72.9%	49.3%	17.3%	33.4%			38.9%		60.9%		0.3%						
Ford	Truck	Pickup	1987	20.9	16.4	19.5	17.7	3761		235	134	13.1	0.600	0.0358	39.8				29.5%	70.5%	59.8%	19.4%	20.8%			11.8%		88.0%		0.2%						
Ford	Truck	Pickup	1988	21.2	16.3	20.0	17.8	3791		233	134	13.3	0.602	0.0351	40.4				28.5%	71.5%	61.3%	11.7%	27.0%			9.1%		90.9%								
Ford	Truck	Pickup	1989	20.4	15.7	19.2	17.2	4023		248	141	12.5	0.603	0.0352	41.4				30.9%	69.1%	62.6%	9.0%	28.4%					100.0%								
Ford	Truck	Pickup	1990	20.8	15.7	20.0	17.5	3994		245	142	11.7	0.614	0.0358	42.0				25.7%	74.3%	45.4%	0.2%	54.4%					100.0%								
Ford	Truck	Pickup	1991	21.0	15.7	20.1	17.6	3986		245	147	11.6	0.632	0.0370	42.3				24.2%	75.8%	49.2%		50.8%					100.0%								
Ford	Truck	Pickup	1992	20.6	15.2	19.8	17.2	4178		251	145	11.7	0.609	0.0349	43.4				23.6%	76.4%	45.6%		54.4%					100.0%								
Ford	Truck	Pickup	1993	21.2	15.5	20.4	17.6	4109		246	154	10.5	0.651	0.0375	43.8				25.1%	74.9%	46.2%		53.8%					100.0%								
Ford	Truck	Pickup	1994	21.4	15.6	20.4	17.7	4097		240	153	10.6	0.661	0.0373	44.1				24.6%	75.4%	46.5%		53.5%					100.0%								
Ford	Truck	Pickup	1995	20.3	14.7	19.5	16.8	4322		264	162	10.7	0.638	0.0373	44.2				30.3%	69.7%	42.0%		58.0%					100.0%								
Ford	Truck	Pickup	1996	21.4	15.5	20.3	17.6	4065		230	147	11.5	0.675	0.0361	44.0				21.2%	78.8%	49.1%		50.9%					100.0%								
Ford	Truck	Pickup	1997	21.2	15.3	19.9	17.4	4293		246	186	10.4	0.761	0.0428	45.7				29.9%	70.1%	29.1%		70.9%					100.0%								
Ford	Truck	Pickup	1998	20.8	14.9	19.6	17.1	4277		244	184	10.6	0.761	0.0428	44.6				30.0%	70.0%	27.7%		72.3%					100.0%								
Ford	Truck	Pickup	1999	20.3	14.5	19.1	16.6	4280		246	187	10.6	0.764	0.0433	43.5				33.9%	66.1%	21.0%		79.0%					100.0%								
Ford	Truck	Pickup	2000	20.5	14.6	19.0	16.7	4309		247	190	10.1	0.773	0.0436	44.1				32.9%	67.1%	21.9%		78.1%					100.0%								
Ford	Truck	Pickup	2001	19.8	14.0	18.2	16.0	4561		268	219	9.3	0.818	0.0476	45.0				37.0%	63.0%	12.2%		87.8%					100.0%			2.6%					
Ford	Truck	Pickup	2002	20.0	14.1	18.5	16.2	4519		262	217	9.5	0.830	0.0476	45.2				37.4%	62.6%	12.2%		87.8%					100.0%			6.5%					
Ford	Truck	Pickup	2003	20.0	14.1	18.3	16.1	4592		262	217	9.4	0.830	0.0469	46.0				35.9%	64.1%	12.1%		87.9%					100.0%			5.3%					
Ford	Truck	Pickup	2004	19.4	13.5	17.7	15.6	5140		281	245	9.4	0.868	0.0474	49.6				47.0%	53.0%	6.5%		93.5%					100.0%			45.3%	42.0%				
Ford	Truck	Pickup	2005	19.1	13.2	17.5	15.4	5288		286	250	9.3	0.870	0.0471	50.4				46.7%	53.3%	4.5%		95.5%					100.0%			50.1%	47.0%				
Ford	Truck	Pickup	2006	19.0	13.2	17.4	15.3	5369		292	256	9.4	0.875	0.0473	50.8				46.1%	53.9%	4.7%		95.3%					100.0%			57.0%	53.2%				
Ford	Truck	Pickup	2007	19.4	13.4	17.9	15.6	5259		284	250	9.5	0.878	0.0471	51.0				43.1%	56.9%	4.8%		95.2%					100.0%			53.1%	61.4%				
Ford	Truck	Pickup	2008	19.9	13.7	18.4	16.0	5175		277	244	9.6	0.882	0.0468	51.2				41.4%	58.6%	4.9%		95.1%					100.0%			51.4%	49.4%				
Ford	Truck	Pickup	2009	21.0	14.5	19.2	16.8	5278		282	267	8.7	0.953	0.0502	55.2				47.7%	52.3%	3.0%		97.0%					100.0%			74.3%	54.7%				
Ford	Truck	Pickup	2010	20.7	14.2	19.1	16.6	5486		294	280	8.6	0.954	0.0508	56.6				55.6%	44.4%	1.2%		98.8%					100.0%			80.7%	21.7%				
Ford	Truck	Pickup	2011	21.7	15.0	20.0	17.5	5373		253	313	8.1	1.249	0.0573	58.4				57.7%	42.3%	2.6%		97.4%				23.7%	76.3%			85.1%	79.2%				
Ford	Truck	Pickup	2012	21.5	14.7	20.0	17.3	5807		262	351	7.6	1.376	0.0604	62.6				67.0%	33.0%			100.0%				38.5%	61.5%			95.8%	100.0%				
Ford	Truck	Pickup	2013	21.8	14.9	20.3	17.6	5796		262	364	7.4	1.422	0.0628	63.2				67.0%	33.0%			100.0%				38.3%	61.7%			96.8%	100.0%				
Ford	Truck	Pickup	2014	21.7	14.8	20.3	17.5	5787		265	362	7.4	1.396	0.0625	62.9				67.2%	32.8%			100.0%				33.0%	67.0%			96.3%	100.0%				
Ford	Truck	Pickup	2015	23.7	16.2	21.8	19.0	4947		231	353	6.9	1.594	0.0713	59.1				70.9%	29.1%			100.0%				58.2%	41.8%			100.0%	68.0%				
Ford	Truck	Pickup	2016	23.9	16.3	21.9	19.1	4939		227	349	6.9	1.602	0.0706	59.3				69.8%	30.2%			100.0%				57.4%	42.6%			100.0%	70.2%				
Ford	Truck	Pickup	2017	24.5	16.6	22.4	19.5	4956		225	354	6.6	1.637	0.0714	61.2				66.8%	33.2%			100.0%				60.6%	39.4%			100.0%	72.9%				

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	Truck	All	1975	12.5	9.9	11.8	10.7	4182		327	140		0.437	0.0334	26.8				13.0%	87.0%	37.6%	62.4%				100.0%										
Ford	Truck	All	1976	13.8	11.1	12.6	11.7	4208		332	141		0.429	0.0335	29.8				17.0%	83.0%	38.5%	61.5%				100.0%										
Ford	Truck	All	1977	15.8	12.6	14.6	13.4	4198		336	155		0.467	0.0368	34.1				18.7%	81.3%	33.9%	66.1%				100.0%										
Ford	Truck	All	1978	15.5	12.4	14.3	13.2	4239		331	147	13.6	0.450	0.0346	33.8				25.5%	74.5%	33.4%	66.6%				100.0%										
Ford	Truck	All	1979	14.0	11.4	12.6	11.9	4283		323	158	13.8	0.490	0.0366	30.8				20.4%	79.6%	29.4%	70.6%				100.0%										
Ford	Truck	All	1980	17.4	13.9	16.0	14.8	4172		294	129	15.6	0.447	0.0307	36.9				21.9%	78.1%	48.2%	51.8%				100.0%										
Ford	Truck	All	1981	18.6	14.8	17.3	15.8	4023		287	123	15.6	0.440	0.0305	38.0				15.5%	84.5%	48.3%	43.4%	8.3%			100.0%										
Ford	Truck	All	1982	17.5	14.0	16.0	14.8	4151		299	128	16.5	0.435	0.0310	36.8				19.6%	80.4%	37.4%	62.6%				100.0%										
Ford	Truck	All	1983	19.1	15.2	17.8	16.3	3809		253	116	15.6	0.483	0.0303	37.1				20.4%	79.6%	43.7%	39.3%	17.0%			99.0%				1.0%						
Ford	Truck	All	1984	18.8	14.9	17.6	16.0	3909		258	123	15.2	0.493	0.0312	37.2				34.7%	65.3%	38.6%	44.5%	16.9%			99.6%				0.4%						
Ford	Truck	All	1985	19.3	15.2	18.1	16.4	3863		257	129	14.3	0.518	0.0331	37.9				33.6%	66.4%	43.1%	24.9%	32.0%			82.0%		17.9%		0.1%						
Ford	Truck	All	1986	20.3	15.9	19.1	17.2	3923		244	132	13.6	0.575	0.0339	40.0				30.7%	69.3%	36.6%	17.2%	46.2%			36.6%		63.2%		0.2%						
Ford	Truck	All	1987	20.4	15.8	19.3	17.3	3931		234	140	13.2	0.633	0.0358	40.4				29.8%	70.2%	40.9%	18.9%	40.3%			9.4%		90.5%		0.1%						
Ford	Truck	All	1988	20.5	15.7	19.5	17.3	3954		233	139	13.4	0.628	0.0354	40.8				31.6%	68.4%	44.1%	14.1%	41.8%			5.7%		94.3%								
Ford	Truck	All	1989	20.0	15.2	19.0	16.8	4160		242	145	12.9	0.635	0.0350	41.9				29.2%	70.8%	39.4%	12.6%	48.0%					100.0%								
Ford	Truck	All	1990	20.1	15.1	19.4	16.9	4137		246	147	11.9	0.634	0.0358	41.9				27.6%	72.4%	31.1%	2.7%	66.2%					100.0%								
Ford	Truck	All	1991	20.4	15.2	19.7	17.1	4181		242	156	11.7	0.668	0.0373	43.0				40.7%	59.3%	30.0%	1.6%	68.4%					100.0%								
Ford	Truck	All	1992	20.1	14.9	19.4	16.8	4304		246	153	11.8	0.649	0.0357	43.6				36.7%	63.3%	28.6%	1.3%	70.1%					100.0%								
Ford	Truck	All	1993	20.8	15.2	20.1	17.3	4232		238	159	10.8	0.690	0.0375	44.2			6.7%	31.7%	61.6%	25.8%	1.4%	72.8%					100.0%								
Ford	Truck	All	1994	20.7	15.2	19.9	17.2	4246		240	159	10.7	0.681	0.0373	44.2			3.7%	35.5%	60.8%	29.5%	1.2%	69.2%					100.0%								
Ford	Truck	All	1995	20.6	14.9	20.0	17.1	4312		253	159	11.1	0.645	0.0368	44.7			25.8%	33.0%	41.2%	19.2%	1.2%	79.5%					100.0%								
Ford	Truck	All	1996	20.8	15.0	20.1	17.2	4249		241	162	11.3	0.694	0.0382	44.5			19.8%	30.3%	49.9%	21.2%	1.1%	77.7%					100.0%								
Ford	Truck	All	1997	20.2	14.5	19.2	16.7	4461		255	186	10.6	0.737	0.0416	45.3			5.0%	40.5%	54.5%	16.4%		83.6%					100.0%								
Ford	Truck	All	1998	20.2	14.3	19.3	16.6	4485		255	190	10.8	0.752	0.0423	45.3			19.7%	39.1%	41.2%	12.1%		87.9%					100.0%								
Ford	Truck	All	1999	19.7	13.9	18.8	16.2	4578		258	199	10.6	0.777	0.0434	45.0			14.4%	40.3%	45.4%	10.4%		89.6%					100.0%			1.4%					
Ford	Truck	All	2000	19.9	14.1	18.8	16.3	4589		259	202	10.0	0.785	0.0438	45.7			15.7%	39.7%	44.6%	10.5%		89.5%					100.0%								
Ford	Truck	All	2001	19.8	14.0	18.5	16.2	4628		262	219	9.4	0.842	0.0473	45.9			11.3%	42.3%	46.5%	6.8%		93.2%					100.0%			8.7%					
Ford	Truck	All	2002	20.0	14.0	18.7	16.2	4540		255	216	9.4	0.856	0.0476	45.4			9.1%	45.0%	45.9%	5.6%		94.4%					100.0%			8.6%					
Ford	Truck	All	2003	19.8	13.7	18.4	16.0	4752		262	222	9.5	0.853	0.0468	47.0			8.7%	42.5%	48.8%	5.6%		94.4%					100.0%			10.0%					
Ford	Truck	All	2004	19.5	13.5	18.0	15.7	5010		273	236	9.4	0.865	0.0470	48.6			7.7%	48.4%	43.9%	3.4%		96.6%					100.0%			30.1%	21.9%				
Ford	Truck	All	2005	20.0	13.8	18.4	16.1	4993		264	238	9.3	0.910	0.0475	49.9			8.9%	52.1%	38.9%	2.4%		91.4%	6.2%				100.0%			53.4%	33.0%	0.5%			
Ford	Truck	All	2006	19.8	13.6	18.3	15.9	5117		271	243	9.4	0.905	0.0473	50.7			7.8%	49.6%	42.7%	2.5%		91.6%	5.8%				100.0%			55.5%	40.8%	1.1%			
Ford	Truck	All	2007	20.2	13.9	18.7	16.3	5028		263	242	9.4	0.931	0.0480	50.9			5.0%	51.2%	43.8%	3.0%		92.0%	5.0%				100.0%			57.5%	42.6%	0.8%			
Ford	Truck	All	2008	21.0	14.4	19.5	16.9	4900		251	237	9.4	0.963	0.0483	51.6			3.2%	56.7%	40.1%	2.7%		95.6%	1.7%				100.0%			63.2%	31.0%	1.7%			
Ford	Truck	All	2009	22.1	15.1	20.4	17.7	4955		252	256	8.6	1.040	0.0516	54.8			7.8%	57.5%	34.8%	1.8%		96.3%	1.8%				100.0%			78.8%	51.1%	1.8%			
Ford	Truck	All	2010	21.8	15.0	20.0	17.5	5127		262	261	8.8	1.020	0.0508	55.9			7.4%	60.4%	32.2%	0.7%		98.6%	0.7%			0.9%	99.1%			80.0%	35.8%	0.7%			
Ford	Truck	All	2011	22.9	15.8	21.0	18.4	5060		236	289	8.2	1.240	0.0566	58.0			11.0%	61.8%	27.3%	1.5%		98.0%	0.5%			14.3%	85.7%			91.1%	84.3%	0.5%			
Ford	Truck	All	2012	23.1	15.8	21.3	18.5	5200		235	302	8.1	1.308	0.0577	59.9			13.6%	65.9%	20.6%			99.7%	0.3%			21.9%	78.1%			97.3%	94.3%	0.3%			
Ford	Truck	All	2013	23.8	16.1	22.0	19.0	5213		228	314	7.8	1.429	0.0599	61.9			13.4%	67.8%	18.7%			100.0%				33.4%	66.6%			98.1%	94.0%				
Ford	Truck	All	2014	23.8	16.1	22.1	19.1	5217		228	313	7.8	1.428	0.0596	62.1			13.3%	68.2%	18.4%			100.0%				34.0%	66.0%			97.9%	96.5%				
Ford	Truck	All	2015	25.2	17.0	23.2	20.1	4801		202	309	7.5	1.581	0.0639	60.7			14.0%	70.1%	15.9%			100.0%				52.7%	47.3%			100.0%	84.0%				
Ford	Truck	All	2016	25.1	17.0	23.1	20.0	4803		200	309	7.5	1.601	0.0639	60.5			12.9%	70.7%	16.4%			100.0%				55.8%	44.2%			100.0%	86.1%				
Ford	Truck	All	2017	25.5	17.2	23.4	20.3	4796		192	304	7.5	1.652	0.0631	61.4			12.9%	71.5%	15.6%			100.0%				60.2%	39.8%			100.0%	89.2%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Ford	All	All	1975	13.5	10.5	13.0	11.5	4212		314	140		0.459	0.0328	29.0				3.3%	96.7%	19.7%	80.3%				100.0%										
Ford	All	All	1976	15.7	12.5	14.6	13.4	4251		313	134		0.439	0.0312	34.0				4.8%	95.2%	18.7%	81.3%				100.0%										
Ford	All	All	1977	16.3	12.9	15.3	13.9	4312		326	147		0.461	0.0340	35.6				5.5%	94.5%	14.7%	85.3%				100.0%										
Ford	All	All	1978	17.5	13.7	16.8	14.9	3990		295	135	13.8	0.477	0.0336	35.4			3.3%	7.6%	89.1%	19.1%	80.9%				100.0%										
Ford	All	All	1979	17.3	13.7	16.3	14.8	3812		270	131	14.3	0.506	0.0340	33.5			2.2%	5.9%	91.9%	20.1%	79.9%				100.0%										
Ford	All	All	1980	20.8	16.3	19.8	17.7	3459		230	112	15.2	0.517	0.0323	36.0			4.4%	6.0%	89.6%	33.0%	56.5%	10.5%			99.1%			0.9%							
Ford	All	All	1981	21.6	16.9	20.6	18.4	3371		218	108	15.3	0.554	0.0322	36.6			19.9%	5.0%	75.2%	33.6%	48.8%	17.6%			96.6%			3.4%							
Ford	All	All	1982	22.1	17.2	21.3	18.8	3350		211	105	16.8	0.547	0.0311	37.4			30.8%	5.3%	63.9%	33.2%	34.9%	31.9%			96.8%			3.2%							
Ford	All	All	1983	21.9	17.0	21.2	18.7	3428		221	110	15.1	0.537	0.0319	37.9			19.2%	7.4%	73.4%	29.9%	28.3%	41.8%			81.2%		1.5%	17.0%	0.4%						
Ford	All	All	1984	22.8	17.7	22.0	19.4	3419		217	111	14.8	0.551	0.0324	39.6			29.9%	11.1%	59.1%	26.7%	33.5%	39.9%			64.8%		12.4%	21.5%	1.3%						
Ford	All	All	1985	23.4	18.2	22.6	20.0	3406		216	122	13.7	0.603	0.0355	40.6			29.5%	10.4%	60.1%	28.3%	28.1%	43.6%			46.4%		7.2%	46.0%	0.4%						
Ford	All	All	1986	23.9	18.4	23.2	20.3	3475		210	123	13.1	0.627	0.0354	41.9			33.9%	11.3%	54.8%	28.3%	23.7%	48.0%			31.0%		47.8%	20.9%	0.3%						
Ford	All	All	1987	24.0	18.3	23.5	20.4	3476		203	124	13.3	0.645	0.0354	42.1			40.8%	10.3%	48.9%	27.9%	25.2%	46.9%			3.3%		65.1%	31.5%	0.2%						
Ford	All	All	1988	24.4	18.4	23.8	20.6	3488		204	130	13.0	0.676	0.0372	42.9			40.3%	10.6%	49.0%	28.8%	22.1%	49.0%			4.7%		81.0%	14.3%							
Ford	All	All	1989	24.2	18.2	23.7	20.4	3571		204	128	12.8	0.671	0.0358	43.6			44.1%	9.8%	46.0%	26.2%	20.8%	53.0%			1.3%		89.8%	8.8%							
Ford	All	All	1990	23.7	17.6	23.2	19.9	3669		214	134	11.8	0.664	0.0365	43.7			40.7%	10.0%	49.3%	19.7%	16.6%	63.6%					93.7%	6.3%							
Ford	All	All	1991	24.2	17.8	23.6	20.2	3626		205	142	11.6	0.719	0.0388	44.2			43.9%	14.7%	41.4%	20.9%	9.5%	69.7%					100.0%								
Ford	All	All	1992	23.5	17.2	23.1	19.7	3793		219	149	11.2	0.700	0.0393	44.9			36.9%	14.4%	48.6%	16.9%	10.3%	72.8%					100.0%								
Ford	All	All	1993	24.5	17.7	23.9	20.4	3678		206	145	10.6	0.725	0.0391	45.3			44.1%	12.3%	43.6%	19.2%	8.0%	72.8%					100.0%								
Ford	All	All	1994	23.7	17.1	23.2	19.7	3792		217	150	10.4	0.713	0.0394	45.3			36.0%	15.5%	48.4%	20.6%	6.0%	73.4%					100.0%			4.2%					
Ford	All	All	1995	24.0	17.1	23.7	19.9	3791		218	152	10.6	0.727	0.0399	45.9			48.9%	14.7%	36.4%	16.5%	0.6%	83.0%					100.0%			10.5%	4.9%				
Ford	All	All	1996	23.3	16.5	22.8	19.2	3871		218	159	10.8	0.757	0.0412	45.3			42.5%	15.0%	42.5%	15.6%	0.6%	83.9%					100.0%			13.9%	6.3%				
Ford	All	All	1997	22.8	16.2	22.1	18.8	3992		226	172	10.5	0.774	0.0427	45.7			33.1%	22.0%	44.9%	13.0%		87.0%					100.0%			6.8%	2.5%				
Ford	All	All	1998	22.8	16.0	22.1	18.7	3982		223	173	10.7	0.795	0.0433	45.5			41.7%	20.8%	37.6%	11.5%		88.5%					100.0%			13.2%	8.8%				
Ford	All	All	1999	22.6	15.8	21.8	18.5	4034		225	181	10.4	0.827	0.0450	45.7			40.5%	20.5%	39.0%	9.8%		90.2%					100.0%			17.6%	6.6%				
Ford	All	All	2000	22.8	15.9	21.8	18.6	4030		226	187	9.8	0.844	0.0463	46.2			38.9%	19.4%	41.6%	10.3%		89.7%					100.0%			15.3%	3.8%				
Ford	All	All	2001	22.4	15.6	21.2	18.2	4102		231	197	9.4	0.868	0.0478	46.0			36.4%	22.3%	41.3%	7.5%		92.5%					100.0%			19.0%	5.7%				
Ford	All	All	2002	22.3	15.5	21.0	18.1	4107		227	198	9.4	0.887	0.0481	46.0			34.1%	26.7%	39.2%	6.9%		93.1%					100.0%			20.2%	5.4%				
Ford	All	All	2003	22.1	15.2	20.7	17.8	4284		236	206	9.3	0.889	0.0483	47.3			31.3%	25.1%	43.6%	7.1%		92.9%					100.0%			20.3%	6.2%				
Ford	All	All	2004	21.1	14.5	19.7	17.0	4595		253	222	9.2	0.885	0.0486	48.2			22.1%	33.1%	44.8%	5.0%		95.0%					100.0%			32.2%	19.0%				
Ford	All	All	2005	22.6	15.5	20.8	18.1	4391		232	214	9.2	0.946	0.0488	49.6			34.4%	30.6%	35.0%	5.0%		89.7%	5.3%				100.0%			55.4%	31.1%	0.4%			
Ford	All	All	2006	22.5	15.3	20.9	18.0	4467		236	221	9.1	0.957	0.0495	50.2			35.3%	28.5%	36.2%	5.2%		89.0%	5.8%				100.0%			59.2%	41.0%	1.0%			
Ford	All	All	2007	23.5	15.9	21.9	18.9	4295		223	216	9.1	0.993	0.0502	50.7			41.0%	26.1%	33.0%	6.4%		90.2%	3.3%				100.0%			65.4%	29.6%	0.7%			
Ford	All	All	2008	24.1	16.3	22.5	19.3	4283		219	221	9.0	1.039	0.0518	52.0			41.1%	28.5%	30.4%	5.1%		93.1%	1.9%				100.0%			74.0%	17.4%	1.9%			
Ford	All	All	2009	25.8	17.3	23.8	20.5	4200		209	224	8.6	1.096	0.0531	54.4			50.0%	27.1%	22.9%	4.0%		94.0%	2.1%				100.0%			84.8%	36.9%	2.1%			
Ford	All	All	2010	25.6	17.3	23.6	20.4	4367		218	231	8.6	1.088	0.0530	56.4			47.6%	30.8%	21.7%	2.4%		95.0%	2.6%			1.0%	99.0%			85.7%	54.6%	2.6%			
Ford	All	All	2011	26.4	17.9	24.3	21.0	4375		208	253	8.2	1.220	0.0571	58.2			47.4%	32.6%	20.0%	3.2%		95.2%	1.6%			7.6%	92.4%			92.9%	83.8%	1.6%			
Ford	All	All	2012	28.7	19.2	26.2	22.7	4153		189	240	8.1	1.276	0.0573	60.0			59.4%	27.8%	12.8%	3.6%	1.5%	93.5%	1.5%			27.8%	72.2%			98.9%	97.3%	1.5%			
Ford	All	All	2013	28.1	18.8	25.8	22.2	4488		190	265	8.0	1.432	0.0581	64.7			50.9%	36.3%	12.8%	2.8%	3.9%	89.1%	4.1%			39.9%	60.0%			99.0%	96.4%	4.1%			
Ford	All	All	2014	28.7	19.2	26.4	22.7	4335		183	254	8.0	1.435	0.0577	63.5			53.5%	32.8%	13.7%	3.3%	6.6%	86.7%	3.4%			44.5%	55.4%			99.0%	97.6%	3.4%			
Ford	All	All	2015	28.9	19.3	26.6	22.8	4272		176	263	7.8	1.535	0.0606	63.4			47.0%	38.4%	14.6%	3.2%	5.1%	88.5%	3.2%			51.3%	48.6%			99.9%	90.7%	3.2%			
Ford	All	All	2016	28.9	19.2	26.6	22.8	4269		173	261	7.8	1.544	0.0601	63.6			46.2%	39.9%	14.0%	2.9%	10.4%	83.8%	2.9%			53.7%	46.2%			99.9%	92.5%	2.9%			
Ford	All	All	2017	28.9	19.2	26.4	22.8	4345		167	263	7.8	1.628	0.0596	65.0			46.3%	40.4%	13.3%	2.6%	6.6%	87.4%	3.4%			60.4%	39.5%			99.9%	94.0%	3.4%			

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Car	Car	1975	15.8	12.4	15.1	13.5	4044		283	137		0.509	0.0334	32.3			2.9%		97.1%	13.3%	86.7%				99.6%		0.4%						51.9%	30.7%	17.5%
Fiat-Chrysler	Car	Car	1976	16.8	13.1	16.1	14.3	3991		280	132		0.485	0.0325	33.9			1.7%		98.3%	13.4%	86.6%				99.9%		0.1%						51.2%	37.4%	11.4%
Fiat-Chrysler	Car	Car	1977	16.7	12.9	16.1	14.2	4069	115.4	287	133		0.484	0.0322	34.2	1975	3951	1.8%		98.2%	11.0%	89.0%				99.8%		0.2%						40.6%	43.3%	16.1%
Fiat-Chrysler	Car	Car	1978	19.1	14.8	18.5	16.3	3649	108.6	246	123	13.9	0.544	0.0332	35.2	2152	3821	12.1%		87.9%	17.7%	32.0%	50.2%			99.6%		0.4%						55.0%	40.0%	5.0%
Fiat-Chrysler	Car	Car	1979	21.0	16.4	20.2	17.9	3387	107.1	218	110	15.1	0.555	0.0321	35.7	2316	3831	26.4%		73.6%	18.9%	31.8%	45.5%		3.8%	99.6%		0.4%						45.9%	43.5%	10.6%
Fiat-Chrysler	Car	Car	1980	22.7	17.7	21.8	19.4	3075	102.3	183	89	16.8	0.543	0.0290	35.1	2392	3588	38.8%	4.1%	57.2%	23.6%	27.5%	42.8%		6.1%	98.8%		1.2%						63.6%	32.9%	3.6%
Fiat-Chrysler	Car	Car	1981	26.1	20.3	25.2	22.2	2833	104.7	158	92	15.6	0.622	0.0325	37.2	2816	3892	67.7%	1.9%	30.4%	30.1%	50.8%	14.3%		4.9%	96.6%		2.7%	0.7%					53.3%	45.4%	1.3%
Fiat-Chrysler	Car	Car	1982	26.9	21.0	25.9	22.9	2942	106.5	167	94	16.8	0.607	0.0321	39.8	2952	4241	70.4%	2.9%	26.7%	20.3%	56.0%	19.2%		4.5%	97.8%		1.9%	0.3%					41.7%	58.3%	
Fiat-Chrysler	Car	Car	1983	28.4	22.4	26.7	24.2	2843	106.6	155	90	15.7	0.623	0.0316	40.9	3147	4346	78.2%	3.5%	18.3%	24.9%	56.9%	15.4%		2.8%	84.8%		1.4%	13.8%					48.3%	51.7%	
Fiat-Chrysler	Car	Car	1984	28.5	22.3	27.2	24.3	2790	105.3	143	92	15.3	0.672	0.0326	40.1	3095	4219	88.4%	1.9%	9.6%	26.8%	62.7%	10.5%			66.4%		9.4%	24.2%					56.8%	43.2%	
Fiat-Chrysler	Car	Car	1985	28.1	21.9	27.0	23.9	2881	106.9	150	106	13.9	0.745	0.0365	40.7	3065	4347	88.1%	0.1%	11.9%	19.9%	67.0%	13.0%			52.7%		16.2%	31.1%					45.1%	54.9%	
Fiat-Chrysler	Car	Car	1986	28.5	22.3	27.0	24.2	2883	106.3	148	104	13.6	0.741	0.0359	41.4	3102	4402	89.6%	0.7%	9.7%	19.2%	68.8%	12.0%			31.9%		18.2%	49.8%					43.0%	57.0%	
Fiat-Chrysler	Car	Car	1987	27.7	21.3	26.3	23.4	2897	106.0	153	106	13.5	0.734	0.0367	40.2	2973	4259	88.1%	0.3%	11.5%	17.2%	51.6%	31.2%			37.8%		17.4%	44.8%					48.3%	51.7%	
Fiat-Chrysler	Car	Car	1988	28.5	21.6	27.4	24.0	2956	107.2	152	109	13.7	0.733	0.0367	42.2	3091	4521	93.5%	0.2%	6.3%	13.8%	9.2%	77.0%			11.6%		27.6%	60.7%					51.0%	45.4%	3.6%
Fiat-Chrysler	Car	Car	1989	28.0	20.9	27.4	23.6	3073	106.8	151	111	13.1	0.746	0.0361	43.3	3030	4612	97.3%	0.3%	2.4%	13.8%	8.5%	77.7%			1.7%		44.2%	54.2%		0.6%			50.3%	45.7%	4.0%
Fiat-Chrysler	Car	Car	1990	27.3	20.2	26.8	22.9	3214	106.3	161	124	11.7	0.785	0.0384	44.0	2921	4674	99.7%	0.0%	0.2%	13.9%	1.4%	84.6%					61.6%	38.4%		8.1%			51.5%	38.9%	9.6%
Fiat-Chrysler	Car	Car	1991	27.4	20.4	26.3	22.9	3189	106.4	161	126	11.7	0.795	0.0392	43.8	2941	4662	97.6%	2.0%	0.4%	15.6%	0.9%	83.5%					62.4%	37.6%		15.6%			46.5%	43.7%	9.8%
Fiat-Chrysler	Car	Car	1992	27.7	20.5	26.3	23.0	3172	105.4	163	126	11.4	0.786	0.0393	44.0	2938	4633	97.4%	2.3%	0.2%	16.1%	0.6%	83.3%					60.9%	39.1%		7.4%			54.1%	38.3%	7.6%
Fiat-Chrysler	Car	Car	1993	27.9	20.2	27.0	23.1	3178	108.4	169	133	10.4	0.791	0.0414	44.4	3042	4813	99.7%	0.1%	0.2%	12.4%	1.2%	86.4%					67.0%	33.0%		19.2%			45.6%	30.6%	23.8%
Fiat-Chrysler	Car	Car	1994	26.2	18.8	25.8	21.8	3361	111.7	180	146	10.0	0.802	0.0427	44.1	2942	4930	99.6%		0.4%	7.5%	0.3%	92.2%					71.0%	29.0%		28.2%			36.9%	19.0%	44.0%
Fiat-Chrysler	Car	Car	1995	28.1	19.9	27.9	23.3	3206	108.8	157	153	9.5	0.999	0.0475	45.1	3088	4914	99.0%	0.7%	0.3%	14.0%	0.1%	85.9%					97.1%	2.9%		75.7%	0.1%		54.1%	16.7%	29.2%
Fiat-Chrysler	Car	Car	1996	27.2	19.0	27.3	22.5	3333	110.2	158	164	9.6	1.070	0.0495	45.3	3023	5007	99.5%	0.2%	0.3%	9.7%	0.0%	90.3%					100.0%			88.2%	0.0%		45.9%	23.6%	30.6%
Fiat-Chrysler	Car	Car	1997	27.1	18.7	27.5	22.4	3355	110.5	159	163	9.8	1.034	0.0483	45.6	3027	5047	99.5%	0.2%	0.4%	7.8%		92.2%					100.0%			92.6%	0.1%		43.0%	25.3%	31.7%
Fiat-Chrysler	Car	Car	1998	28.3	19.4	28.4	23.3	3230	108.0	144	154	10.2	1.069	0.0476	45.8	3083	4950	99.8%	0.1%	0.2%	7.7%		92.3%					100.0%			99.8%			50.5%	31.9%	17.6%
Fiat-Chrysler	Car	Car	1999	26.9	18.3	27.0	22.1	3516	113.2	163	185	9.5	1.128	0.0523	47.4	3071	5390	99.1%		0.9%	3.0%	0.1%	96.9%					100.0%			99.8%	0.2%		28.3%	25.4%	46.4%
Fiat-Chrysler	Car	Car	2000	27.6	18.9	26.8	22.5	3394	112.2	154	173	9.4	1.117	0.0505	46.8	3114	5268	99.4%		0.6%	3.7%		96.3%					100.0%			99.8%	0.1%		41.0%	22.3%	36.7%
Fiat-Chrysler	Car	Car	2001	27.6	18.9	26.2	22.3	3454	113.2	157	174	9.3	1.101	0.0501	47.7	3141	5413	99.2%		0.8%	6.1%		93.9%					100.0%			99.8%	0.1%		55.6%	18.5%	25.9%
Fiat-Chrysler	Car	Car	2002	26.9	18.3	25.6	21.7	3475	113.5	159	191	9.0	1.192	0.0545	46.9	3071	5320	99.3%		0.7%	6.4%		93.6%					100.0%			99.8%	0.3%		52.6%	21.1%	26.3%
Fiat-Chrysler	Car	Car	2003	28.4	19.3	26.4	22.7	3373	112.4	150	167	9.4	1.110	0.0492	48.2	3223	5415	99.2%		0.8%	8.8%		91.2%					100.0%			99.6%	0.4%		65.6%	17.5%	16.9%
Fiat-Chrysler	Car	Car	2004	27.4	18.6	25.5	21.9	3623	117.5	165	197	8.7	1.200	0.0542	49.6	3221	5860	89.8%	9.2%	0.9%	5.1%		94.9%					100.0%			100.0%			43.1%	27.5%	29.5%
Fiat-Chrysler	Car	Car	2005	26.5	17.8	24.8	21.2	3757	120.0	186	214	8.4	1.177	0.0565	49.8	3195	6019	63.1%	7.0%	29.9%	5.0%	0.2%	94.8%					100.0%			87.8%	0.2%		42.4%	24.9%	32.7%
Fiat-Chrysler	Car	Car	2006	25.4	17.0	24.0	20.4	3950	125.4	212	244	7.9	1.193	0.0615	50.3	3196	6323	45.1%	5.5%	49.4%	1.6%	0.3%	98.1%					100.0%			80.1%	0.3%		22.9%	21.7%	55.4%
Fiat-Chrysler	Car	Car	2007	27.1	18.3	25.0	21.6	3825	116.3	186	223	8.2	1.249	0.0577	52.2	3178	6064	64.5%	7.0%	28.6%	2.1%	0.1%	69.8%	27.9%				100.0%			67.6%	39.3%		47.3%	16.2%	36.5%
Fiat-Chrysler	Car	Car	2008	27.8	18.6	25.9	22.1	3789	113.4	177	208	8.8	1.195	0.0543	53.0	3190	6014	63.7%	3.4%	32.9%	1.7%	0.4%	84.4%	13.4%				100.0%			94.1%	39.2%		18.9%	49.0%	32.2%
Fiat-Chrysler	Car	Car	2009	27.5	18.4	25.6	21.9	3838	116.1	194	226	8.3	1.204	0.0579	53.2	3253	6174	50.9%	1.7%	47.4%	5.4%	0.8%	77.0%	16.8%				100.0%			83.6%	51.2%		25.2%	38.8%	36.0%
Fiat-Chrysler	Car	Car	2010	27.8	18.5	26.1	22.2	3840	115.2	194	224	8.4	1.168	0.0574	53.6	3249	6177	47.2%	1.8%	51.0%	3.5%	0.4%	83.6%	12.6%				100.0%			88.7%	49.9%		32.2%	29.5%	38.3%
Fiat-Chrysler	Car	Car	2011	28.3	18.5	27.2	22.6	3881	114.7	208	254	7.6	1.240	0.0643	55.1	3286	6319	58.8%	2.0%	39.2%	2.7%		82.9%	14.4%				100.0%			85.0%	86.8%		29.7%	39.7%	30.5%
Fiat-Chrysler	Car	Car	2012	30.0	19.5	28.7	23.9	3707	111.2	189	232	8.1	1.229	0.0607	55.7	3370	6202	61.8%	2.1%	36.2%	6.6%	0.5%	90.5%	2.3%				100.0%			89.5%	97.7%		18.7%	53.1%	28.2%
Fiat-Chrysler	Car	Car	2013	30.8	20.1	29.3	24.5	3720	111.7	181	226	8.1	1.283	0.0593	58.5	3535	6510	68.2%	3.7%	28.1%	8.0%	3.1%	88.9%					99.6%			90.0%	98.9%		10.3%	66.8%	22.9%
Fiat-Chrysler	*Car*	*Car*	*2014*	*29.3*	*19.0*	*28.2*	*23.4*	*3896*	*115.5*	*203*	*258*	*7.5*	*1.313*	*0.0640*	*58.5*	*3492*	*6712*	*47.5%*	*9.7%*	*42.8%*	*4.6%*		*95.4%*				*2.7%*	*96.6%*			*86.1%*	*99.3%*		*9.8%*	*51.1%*	*39.2%*
Fiat-Chrysler	*Car*	*Car*	*2015*	*32.2*	*20.6*	*31.4*	*25.6*	*3747*	*113.8*	*187*	*241*	*7.3*	*1.303*	*0.0625*	*62.8*	*3842*	*7079*	*61.2%*	*8.0%*	*30.8%*	*4.7%*		*95.3%*				*3.1%*	*96.6%*			*88.9%*	*98.7%*				
Fiat-Chrysler	*Car*	*Car*	*2016*	*30.0*	*19.9*	*29.6*	*24.1*	*3992*	*115.4*	*217*	*283*	*6.8*	*1.320*	*0.0706*	*61.4*	*3841*	*7034*	*46.4%*	*9.3%*	*44.3%*	*4.9%*		*95.1%*				*3.0%*	*96.9%*			*80.1%*	*98.6%*				
Fiat-Chrysler	Car	Car	2017	28.6	18.5	28.3	23.1	4069	111.8	239	325	6.3	1.452	0.0778	64.4	3545	7003	15.5%	17.0%	67.5%	6.2%		93.8%				10.9%	85.5%			69.4%	89.2%		13.7%	40.5%	45.7%

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Car	Car SUV	1975	14.5	11.5	13.6	12.4	4000		303	139		0.458	0.0347	29.5					100.0%	19.9%	80.1%				100.0%										
Fiat-Chrysler	Car	Car SUV	1976	16.5	12.5	16.6	14.1	4000		298	139		0.466	0.0348	33.2					100.0%	17.3%	82.7%				100.0%										
Fiat-Chrysler	Car	Car SUV	1977	16.4	12.9	15.5	13.9	4000		276	128		0.459	0.0319	32.9					100.0%	13.3%	86.7%				100.0%										
Fiat-Chrysler	Car	Car SUV	1978	16.4	13.2	14.9	13.9	4000		296	137	13.6	0.465	0.0343	33.0					100.0%	12.9%	87.1%				100.0%										
Fiat-Chrysler	Car	Car SUV	1979	20.3	17.1	17.4	17.2	2837		133	84	17.6	0.647	0.0294	28.8					100.0%	0.7%	93.0%	6.3%			100.0%										
Fiat-Chrysler	Car	Car SUV	1980	17.6	14.3	15.9	15.0	4000		279	123	16.1	0.442	0.0308	35.4					100.0%			100.0%			100.0%										
Fiat-Chrysler	Car	Car SUV	1981	17.3	13.7	16.1	14.7	4000		318	140	14.3	0.440	0.0350	34.5					100.0%			100.0%			100.0%										
Fiat-Chrysler	Car	Car SUV	1982	23.6	20.7	19.1	19.9	2500		151	84	17.5	0.556	0.0336	29.5					100.0%		100.0%				100.0%										
Fiat-Chrysler	Car	Car SUV	1983	23.2	20.4	18.7	19.6	2500		151	87	15.6	0.580	0.0350	29.0					100.0%		100.0%				100.0%										
Fiat-Chrysler	Car	Car SUV	1984	18.4	15.8	15.3	15.6	3472		220	105	15.8	0.500	0.0312	31.6					100.0%		100.0%				100.0%										
Fiat-Chrysler	Car	Car SUV	1985	23.4	18.6	21.9	19.9	3000		158	107	14.1	0.678	0.0356	35.5					100.0%	39.2%		60.8%			100.0%										
Fiat-Chrysler	Car	Car SUV	1986	22.7	18.0	20.9	19.2	3405		164	116	13.8	0.710	0.0341	38.9					100.0%	33.4%		66.6%			60.8%			39.1%	0.1%						
Fiat-Chrysler	Car	Car SUV	1987	21.1	16.0	20.8	17.9	3424		223	159	11.1	0.719	0.0463	36.5					100.0%	27.5%		72.5%					79.3%	20.7%							
Fiat-Chrysler	Car	Car SUV	1988	21.1	15.9	20.9	17.9	3464		232	167	10.9	0.722	0.0482	36.8					100.0%	18.7%		81.3%					89.6%	10.4%							
Fiat-Chrysler	Car	Car SUV	1989	20.9	15.5	20.6	17.6	3481		237	174	10.3	0.734	0.0499	36.4					100.0%	16.4%		83.6%					94.9%	5.1%							
Fiat-Chrysler	Car	Car SUV	1990	21.2	15.7	20.8	17.8	3474		237	173	9.6	0.734	0.0499	36.8					100.0%	16.4%		83.6%					94.1%	5.9%							
Fiat-Chrysler	Car	Car SUV	1991	20.6	15.1	20.4	17.3	3486		239	179	9.5	0.747	0.0512	36.0					100.0%	15.4%		84.6%					100.0%								
Fiat-Chrysler	Car	Car SUV	1992	20.6	15.1	20.2	17.3	3492		240	189	9.0	0.786	0.0541	36.1					100.0%	16.6%		83.4%					100.0%								
Fiat-Chrysler	Car	Car SUV	1993	19.3	14.0	19.0	16.1	3904		264	197	8.8	0.753	0.0505	37.7					100.0%	2.9%		97.1%					100.0%								
Fiat-Chrysler	Car	Car SUV	1994	20.9	15.1	20.6	17.4	3668		236	186	8.7	0.791	0.0508	38.4					100.0%	13.2%		86.8%					100.0%								
Fiat-Chrysler	Car	Car SUV	1995	19.5	14.0	19.0	16.2	3763		242	190	9.0	0.785	0.0507	36.6					100.0%	4.5%		95.5%					100.0%								
Fiat-Chrysler	Car	Car SUV	1996	20.7	14.8	20.2	17.1	3738		238	187	9.5	0.789	0.0502	38.7					100.0%	8.3%		91.7%					100.0%								
Fiat-Chrysler	Car	Car SUV	1997	20.4	14.5	19.8	16.9	3882		248	188	9.6	0.762	0.0487	39.6					100.0%	2.8%		97.2%					100.0%								
Fiat-Chrysler	Car	Car SUV	1998	20.8	14.6	20.1	17.1	3836		244	187	9.9	0.768	0.0490	39.9					100.0%	3.5%		96.5%					100.0%								
Fiat-Chrysler	Car	Car SUV	1999	21.6	15.2	20.7	17.7	3830		240	192	9.7	0.799	0.0502	41.4					100.0%	2.6%		97.4%					100.0%								
Fiat-Chrysler	Car	Car SUV	2000	21.1	14.8	20.0	17.2	3913		247	199	9.2	0.804	0.0508	41.3					100.0%	0.6%		99.4%					100.0%								
Fiat-Chrysler	Car	Car SUV	2001	21.1	14.6	20.1	17.2	3846		247	197	8.9	0.799	0.0514	40.5					100.0%	0.4%		99.6%					100.0%								
Fiat-Chrysler	Car	Car SUV	2002	20.2	13.9	19.3	16.5	4000		244	198	9.3	0.811	0.0494	40.4					100.0%			100.0%					100.0%								
Fiat-Chrysler	Car	Car SUV	2003	22.0	15.4	20.1	17.7	4000		232	204	9.1	0.885	0.0511	44.0					100.0%	3.1%		96.9%					100.0%			2.0%					
Fiat-Chrysler	Car	Car SUV	2004	22.5	15.3	21.2	18.2	4000		224	209	9.0	0.932	0.0522	45.0					100.0%	5.3%		94.7%					100.0%			2.3%					
Fiat-Chrysler	Car	Car SUV	2005	22.1	15.1	20.3	17.7	4000		224	209	8.9	0.931	0.0521	44.2					100.0%	3.5%		96.5%					100.0%			2.4%					
Fiat-Chrysler	Car	Car SUV	2006	22.4	15.2	21.0	18.0	4000		226	210	8.9	0.929	0.0525	44.7					100.0%	3.1%		96.9%					100.0%								
Fiat-Chrysler	Car	Car SUV	2007	23.1	15.7	21.5	18.5	4000		227	208	9.0	0.919	0.0521	46.2					100.0%	11.8%		88.2%					100.0%								
Fiat-Chrysler	Car	Car SUV	2008																																	
Fiat-Chrysler	Car	Car SUV	2009	27.3	18.5	24.8	21.7	4000		144	173	10.3	1.201	0.0433	54.6			100.0%					100.0%					100.0%			100.0%	99.7%				
Fiat-Chrysler	Car	Car SUV	2010	27.8	18.9	25.1	22.0	4000		146	173	10.4	1.185	0.0433	55.6			100.0%					100.0%					100.0%			100.0%	100.0%				
Fiat-Chrysler	Car	Car SUV	2011																																	
Fiat-Chrysler	Car	Car SUV	2012	27.8	19.0	24.7	21.9	3781		169	190	9.2	1.154	0.0498	53.0			71.7%		28.3%	2.9%		45.9%	51.2%				100.0%			71.7%	71.7%				
Fiat-Chrysler	Car	Car SUV	2013	29.9	20.3	26.5	23.4	3747		149	184	9.3	1.238	0.0487	56.0			100.0%			4.4%		33.7%	61.9%				100.0%			100.0%	100.0%				
Fiat-Chrysler	*Car*	*Car SUV*	*2014*	*31.4*	*20.9*	*28.3*	*24.6*	*3699*		*145*	*183*	*9.0*	*1.266*	*0.0493*	*58.1*			*100.0%*			*9.5%*		*79.7%*	*16.7%*				*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	*Car*	*Car SUV*	*2015*	*32.3*	*21.6*	*28.8*	*25.2*	*3704*		*143*	*182*	*8.8*	*1.275*	*0.0492*	*59.8*			*100.0%*			*3.8%*		*69.4%*	*26.8%*				*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	*Car*	*Car SUV*	*2016*	*32.1*	*21.6*	*28.3*	*25.0*	*3660*		*140*	*175*	*9.0*	*1.265*	*0.0479*	*59.8*			*100.0%*			*3.1%*		*63.0%*	*33.9%*				*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	Car	Car SUV	2017	31.7	21.2	28.5	24.8	3737		146	186	8.7	1.280	0.0496	59.4			100.0%			4.4%		78.1%	17.5%				100.0%			100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Car	All	1975	15.8	12.4	15.1	13.5	4044		283	137		0.509	0.0334	32.3			2.9%		97.1%	13.3%	86.7%				99.6%		0.4%								
Fiat-Chrysler	Car	All	1976	16.8	13.1	16.1	14.3	3991		280	132		0.485	0.0325	33.9			1.7%		98.3%	13.4%	86.6%				99.9%		0.1%								
Fiat-Chrysler	Car	All	1977	16.7	12.9	16.1	14.2	4069		287	133		0.484	0.0322	34.2			1.8%		98.2%	11.0%	89.0%				99.8%		0.2%								
Fiat-Chrysler	Car	All	1978	19.1	14.8	18.4	16.3	3649		246	123	13.9	0.543	0.0332	35.2			12.1%		87.9%	17.7%	32.1%	50.2%			99.6%		0.4%								
Fiat-Chrysler	Car	All	1979	21.0	16.4	20.1	17.9	3383		218	110	15.1	0.556	0.0321	35.7			26.2%		73.8%	18.7%	32.3%	45.2%		3.8%	99.6%		0.4%								
Fiat-Chrysler	Car	All	1980	22.7	17.7	21.8	19.4	3076		183	89	16.8	0.543	0.0290	35.1			38.8%	4.1%	57.2%	23.6%	27.5%	42.8%		6.1%	98.8%		1.2%								
Fiat-Chrysler	Car	All	1981	26.1	20.3	25.2	22.2	2833		158	92	15.6	0.622	0.0325	37.2			67.7%	1.9%	30.4%	30.1%	50.8%	14.3%		4.9%	96.6%		2.7%	0.7%							
Fiat-Chrysler	Car	All	1982	26.9	21.0	25.8	22.9	2936		166	94	16.8	0.606	0.0321	39.7			69.5%	2.9%	27.6%	20.0%	56.6%	19.0%		4.4%	97.9%		1.9%	0.3%							
Fiat-Chrysler	Car	All	1983	28.3	22.4	26.6	24.1	2838		155	90	15.7	0.623	0.0316	40.7			77.1%	3.5%	19.4%	24.6%	57.5%	15.2%		2.8%	85.0%		1.4%	13.6%							
Fiat-Chrysler	Car	All	1984	28.4	22.2	27.1	24.2	2795		144	92	15.4	0.671	0.0326	40.0			87.8%	1.9%	10.3%	26.6%	62.9%	10.4%			66.6%		9.4%	24.0%							
Fiat-Chrysler	Car	All	1985	28.1	21.9	27.0	23.9	2881		150	106	13.9	0.744	0.0365	40.7			87.7%	0.1%	12.2%	20.0%	66.8%	13.2%			52.9%		16.1%	31.0%							
Fiat-Chrysler	Car	All	1986	28.5	22.2	26.9	24.1	2888		148	104	13.6	0.741	0.0359	41.4			88.6%	0.7%	10.7%	19.3%	68.1%	12.6%			32.3%		18.0%	49.7%	0.0%						
Fiat-Chrysler	Car	All	1987	27.6	21.3	26.3	23.3	2901		153	107	13.5	0.734	0.0368	40.1			87.5%	0.3%	12.2%	17.3%	51.2%	31.5%			37.5%		17.9%	44.6%							
Fiat-Chrysler	Car	All	1988	28.3	21.5	27.3	23.9	2964		154	110	13.6	0.733	0.0368	42.1			92.2%	0.2%	7.6%	13.9%	9.0%	77.1%			11.5%		28.5%	60.0%							
Fiat-Chrysler	Car	All	1989	27.9	20.8	27.3	23.5	3079		153	112	13.1	0.746	0.0363	43.1			95.8%	0.3%	3.9%	13.8%	8.4%	77.8%			1.6%		44.9%	53.4%		0.6%					
Fiat-Chrysler	Car	All	1990	27.2	20.1	26.7	22.8	3219		162	125	11.7	0.784	0.0386	43.8			98.0%	0.0%	2.0%	14.0%	1.4%	84.6%					62.2%	37.8%		8.0%					
Fiat-Chrysler	Car	All	1991	27.3	20.3	26.1	22.8	3195		163	127	11.6	0.794	0.0394	43.7			95.8%	1.9%	2.2%	15.6%	0.9%	83.5%					63.1%	36.9%		15.3%					
Fiat-Chrysler	Car	All	1992	27.2	20.2	25.9	22.6	3187		166	129	11.3	0.786	0.0400	43.6			92.9%	2.2%	4.8%	16.1%	0.5%	83.3%					62.7%	37.3%		7.1%					
Fiat-Chrysler	Car	All	1993	25.1	18.2	24.4	20.9	3360		193	149	10.0	0.781	0.0437	42.7			74.7%	0.1%	25.2%	10.0%	0.9%	89.1%					75.3%	24.7%		14.4%					
Fiat-Chrysler	Car	All	1994	25.7	18.4	25.2	21.3	3388		185	149	9.9	0.801	0.0434	43.6			90.8%		9.2%	8.0%	0.3%	91.7%					73.5%	26.5%		25.7%					
Fiat-Chrysler	Car	All	1995	27.3	19.3	27.0	22.6	3245		163	155	9.5	0.984	0.0477	44.5			92.1%	0.7%	7.2%	13.4%	0.1%	86.5%					97.3%	2.7%		70.4%	0.1%				
Fiat-Chrysler	Car	All	1996	26.3	18.4	26.3	21.8	3377		166	167	9.6	1.039	0.0496	44.6			88.6%	0.2%	11.2%	9.5%	0.0%	90.5%					100.0%			78.5%	0.0%				
Fiat-Chrysler	Car	All	1997	26.3	18.2	26.5	21.8	3403		168	165	9.7	1.009	0.0483	45.0			90.4%	0.1%	9.5%	7.3%		92.7%					100.0%			84.2%	0.1%				
Fiat-Chrysler	Car	All	1998	27.2	18.7	27.2	22.4	3298		155	157	10.2	1.035	0.0477	45.1			88.5%	0.1%	11.4%	7.2%		92.8%					100.0%			88.6%					
Fiat-Chrysler	Car	All	1999	26.3	17.9	26.2	21.6	3548		171	186	9.5	1.094	0.0521	46.8			88.9%		11.1%	3.0%	0.1%	96.9%					100.0%			89.5%	0.2%				
Fiat-Chrysler	Car	All	2000	26.6	18.3	25.7	21.7	3457		165	176	9.4	1.079	0.0506	46.1			87.2%		12.8%	3.3%		96.7%					100.0%			87.6%	0.1%				
Fiat-Chrysler	Car	All	2001	26.8	18.4	25.5	21.7	3492		166	176	9.2	1.072	0.0503	47.0			89.4%		10.6%	5.5%		94.5%					100.0%			89.9%	0.1%				
Fiat-Chrysler	Car	All	2002	26.4	18.0	25.2	21.4	3503		163	191	9.0	1.171	0.0542	46.5			94.0%		6.0%	6.1%		93.9%					100.0%			94.4%	0.3%				
Fiat-Chrysler	Car	All	2003	27.2	18.6	25.2	21.8	3468		162	173	9.3	1.076	0.0495	47.6			84.2%		15.8%	7.9%		92.1%					100.0%			84.9%	0.3%				
Fiat-Chrysler	Car	All	2004	27.1	18.4	25.2	21.7	3644		168	197	8.7	1.186	0.0541	49.4			84.8%	8.7%	6.4%	5.1%		94.9%					100.0%			94.6%					
Fiat-Chrysler	Car	All	2005	26.3	17.7	24.5	21.0	3767		187	214	8.4	1.167	0.0563	49.5			60.5%	6.7%	32.7%	4.9%	0.1%	94.9%					100.0%			84.3%	0.2%				
Fiat-Chrysler	Car	All	2006	25.3	16.9	23.8	20.3	3952		213	243	8.0	1.182	0.0612	50.1			43.3%	5.3%	51.4%	1.7%	0.3%	98.0%					100.0%			76.9%	0.3%				
Fiat-Chrysler	Car	All	2007	26.9	18.1	24.8	21.4	3831		188	222	8.2	1.237	0.0575	52.0			62.1%	6.7%	31.2%	2.4%	0.1%	70.5%	26.9%				100.0%			84.4%	37.9%				
Fiat-Chrysler	Car	All	2008	27.8	18.6	25.9	22.1	3789		177	208	8.8	1.195	0.0543	53.0			63.7%	3.4%	32.9%	1.7%	0.4%	84.4%	13.4%				100.0%			94.1%	39.2%		18.9%	49.0%	32.2%
Fiat-Chrysler	Car	All	2009	27.5	18.4	25.6	21.9	3849		190	222	8.4	1.204	0.0569	53.3			54.3%	1.6%	44.1%	5.0%	0.7%	78.6%	15.6%				100.0%			84.8%	54.6%				
Fiat-Chrysler	Car	All	2010	27.8	18.5	26.0	22.2	3847		192	222	8.5	1.168	0.0567	53.7			49.5%	1.7%	48.7%	3.3%	0.4%	84.3%	12.0%				100.0%			89.2%	52.1%				
Fiat-Chrysler	Car	All	2011	28.3	18.5	27.2	22.6	3881		208	254	7.6	1.240	0.0643	55.1			58.8%	2.0%	39.2%	2.7%		82.9%	14.4%				100.0%			85.0%	86.8%		29.7%	39.7%	30.5%
Fiat-Chrysler	Car	All	2012	29.6	19.4	28.0	23.5	3719		186	225	8.2	1.217	0.0589	55.3			63.4%	1.7%	34.9%	6.0%	0.5%	83.2%	10.3%				100.0%			86.6%	93.5%				
Fiat-Chrysler	Car	All	2013	30.7	20.1	29.1	24.4	3722		179	224	8.2	1.280	0.0586	58.3			70.3%	3.5%	26.3%	7.7%	2.9%	85.4%	3.9%				99.6%			90.6%	99.0%				
Fiat-Chrysler	*Car*	*All*	*2014*	*29.8*	*19.5*	*28.2*	*23.7*	*3839*		*186*	*237*	*7.9*	*1.299*	*0.0604*	*58.4*			*62.6%*	*6.9%*	*30.5%*	*4.3%*		*90.9%*	*4.8%*			*1.9%*	*97.6%*			*90.1%*	*99.3%*				
Fiat-Chrysler	*Car*	*All*	*2015*	*32.2*	*20.8*	*30.8*	*25.5*	*3737*		*177*	*228*	*7.2*	*1.296*	*0.0595*	*62.1*			*70.3%*	*6.1%*	*23.6%*	*4.5%*		*89.2%*	*6.3%*			*1.6%*	*97.4%*			*91.5%*	*99.0%*				
Fiat-Chrysler	*Car*	*All*	*2016*	*30.8*	*20.3*	*29.1*	*24.4*	*3859*		*187*	*242*	*7.6*	*1.295*	*0.0616*	*60.4*			*63.2%*	*5.8%*	*31.0%*	*4.2%*		*82.0%*	*13.8%*			*1.2%*	*98.1%*			*87.7%*	*99.2%*				
Fiat-Chrysler	Car	All	2017	30.1	19.8	28.4	23.9	3901		191	254	7.5	1.363	0.0636	61.8			58.3%	8.4%	33.3%	5.3%		85.8%	8.9%			5.4%	92.9%			84.9%	94.7%				

				Fuel Economy (MPG)				Weight	Volume	Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Truck	Van	1975	12.6	10.3	11.2	10.7	4263		313	145		0.462	0.0340	27.4					100.0%	16.0%	84.0%				100.0%										
Fiat-Chrysler	Truck	Van	1976	14.2	11.1	13.4	12.1	4326		314	149		0.472	0.0344	30.8					100.0%	15.1%	84.9%				100.0%										
Fiat-Chrysler	Truck	Van	1977	13.8	11.0	12.6	11.7	4404		327	155		0.473	0.0352	30.5					100.0%	10.4%	89.6%				100.0%										
Fiat-Chrysler	Truck	Van	1978	13.4	10.9	12.1	11.4	4387		327	151	13.5	0.462	0.0344	29.7					100.0%	11.1%	88.9%				100.0%										
Fiat-Chrysler	Truck	Van	1979	13.8	11.3	12.3	11.7	4450		321	145	15.1	0.451	0.0326	31.0					100.0%	11.2%	65.9%	22.9%			100.0%										
Fiat-Chrysler	Truck	Van	1980	16.6	13.3	15.1	14.1	4137		278	125	16.5	0.449	0.0302	34.6					100.0%	21.4%	19.0%	59.6%			100.0%										
Fiat-Chrysler	Truck	Van	1981	17.4	14.0	16.0	14.8	4050		271	119	16.9	0.437	0.0293	35.6			1.6%		98.4%	21.2%	9.2%	69.6%			100.0%										
Fiat-Chrysler	Truck	Van	1982	17.7	14.1	16.3	15.0	4031		276	123	17.6	0.442	0.0303	35.9					100.0%	17.1%	30.3%	52.5%			100.0%										
Fiat-Chrysler	Truck	Van	1983	18.0	14.4	16.6	15.3	4099		270	118	16.8	0.434	0.0286	37.3					100.0%	20.2%	45.5%	34.3%			100.0%										
Fiat-Chrysler	Truck	Van	1984	20.2	16.0	19.0	17.2	3679		201	108	16.7	0.582	0.0295	38.4			60.6%		39.4%	20.6%	67.5%	11.9%			100.0%										
Fiat-Chrysler	Truck	Van	1985	21.0	16.8	19.4	17.8	3645		189	111	16.3	0.625	0.0304	38.9			73.2%	0.8%	26.0%	11.0%	82.5%	6.5%			100.0%										
Fiat-Chrysler	Truck	Van	1986	22.0	17.3	20.5	18.6	3674		186	109	15.8	0.619	0.0295	40.8			72.4%	3.8%	23.7%	10.9%	69.1%	20.1%			100.0%										
Fiat-Chrysler	Truck	Van	1987	22.3	17.3	21.0	18.9	3707		193	125	14.9	0.677	0.0337	41.8			74.3%	2.9%	22.8%	8.1%	36.7%	55.2%			60.3%		39.5%	0.2%							
Fiat-Chrysler	Truck	Van	1988	23.0	17.6	22.0	19.4	3798		189	134	14.5	0.729	0.0353	43.9			86.3%	1.5%	12.2%	4.3%	17.6%	78.1%			0.6%		69.8%	29.6%							
Fiat-Chrysler	Truck	Van	1989	22.6	17.3	21.4	19.0	3825		187	132	14.1	0.730	0.0344	43.7			84.3%	1.0%	14.7%	3.3%	34.5%	62.2%					62.3%	37.7%							
Fiat-Chrysler	Truck	Van	1990	23.0	17.2	22.1	19.3	3876		200	142	12.5	0.721	0.0366	44.8			87.1%	0.2%	12.7%	1.7%	2.9%	95.4%					76.4%	23.6%							
Fiat-Chrysler	Truck	Van	1991	22.8	17.2	21.5	19.0	3972		199	142	12.9	0.721	0.0355	45.6			83.8%	5.4%	10.8%	1.3%	0.8%	98.0%					77.9%	22.1%							
Fiat-Chrysler	Truck	Van	1992	22.7	16.9	21.5	18.9	3970		198	144	12.5	0.733	0.0360	45.4			86.8%	2.7%	10.5%	1.7%	1.9%	96.4%					89.2%	10.8%							
Fiat-Chrysler	Truck	Van	1993	23.6	17.4	22.6	19.7	3823		194	144	11.4	0.748	0.0377	45.3			93.1%	2.1%	4.8%	1.2%	0.7%	98.1%					92.0%	8.0%							
Fiat-Chrysler	Truck	Van	1994	22.4	16.5	21.2	18.6	3971		208	153	11.2	0.740	0.0383	44.8			80.1%	2.7%	17.3%	0.7%	1.7%	97.6%					94.5%	5.5%		0.9%					
Fiat-Chrysler	Truck	Van	1995	23.0	16.8	21.8	19.0	3837		201	154	11.2	0.770	0.0400	44.5			85.9%	1.7%	12.4%	0.2%	1.7%	98.1%					93.7%	6.3%		1.3%					
Fiat-Chrysler	Truck	Van	1996	22.8	16.3	21.9	18.8	4156		208	162	11.6	0.792	0.0390	47.6			90.8%	0.0%	9.1%	0.0%	0.9%	99.1%					100.0%			4.8%					
Fiat-Chrysler	Truck	Van	1997	22.7	16.1	21.8	18.7	4152		208	161	11.7	0.783	0.0387	47.3			86.1%	2.6%	11.2%		0.9%	99.1%					100.0%			6.5%					
Fiat-Chrysler	Truck	Van	1998	23.3	16.3	22.7	19.2	4141		203	164	11.8	0.815	0.0394	48.4			90.4%	2.6%	7.0%			100.0%					100.0%			9.0%					
Fiat-Chrysler	Truck	Van	1999	23.0	16.0	22.3	18.8	4169		208	165	11.7	0.805	0.0395	48.0			88.1%	2.6%	9.2%			100.0%					100.0%			10.7%					
Fiat-Chrysler	Truck	Van	2000	23.4	16.2	22.6	19.1	4156		204	163	11.3	0.810	0.0393	48.9			89.7%	2.4%	7.9%			100.0%					100.0%			10.3%					
Fiat-Chrysler	Truck	Van	2001	23.4	16.2	22.2	19.0	4430		213	190	10.4	0.898	0.0429	52.0			88.6%	3.6%	7.8%			100.0%					100.0%			6.6%					
Fiat-Chrysler	Truck	Van	2002	23.8	16.4	22.6	19.3	4373		210	189	10.5	0.904	0.0431	52.4			91.7%	2.3%	6.0%			100.0%					100.0%			8.7%					
Fiat-Chrysler	Truck	Van	2003	24.5	16.7	23.0	19.7	4286		213	191	10.2	0.901	0.0444	52.6			92.7%	2.1%	5.2%			100.0%					100.0%			5.0%					
Fiat-Chrysler	Truck	Van	2004	24.5	16.4	23.4	19.8	4382		211	193	10.3	0.913	0.0441	53.6			98.0%	2.0%				100.0%					100.0%			4.3%					
Fiat-Chrysler	Truck	Van	2005	24.3	16.2	23.2	19.6	4285		214	196	10.0	0.914	0.0456	52.0			100.0%					100.0%					100.0%			3.3%					
Fiat-Chrysler	Truck	Van	2006	24.4	16.2	23.4	19.7	4361		213	191	10.3	0.895	0.0437	53.1			100.0%					100.0%					100.0%			4.3%					
Fiat-Chrysler	Truck	Van	2007	23.8	15.8	23.0	19.2	4401		216	193	10.4	0.893	0.0438	52.4			100.0%					100.0%					100.0%			2.9%					
Fiat-Chrysler	Truck	Van	2008	24.4	16.3	23.5	19.7	4554		221	179	10.8	0.809	0.0392	55.7			100.0%					100.0%					100.0%			10.9%					
Fiat-Chrysler	Truck	Van	2009	24.6	16.3	23.6	19.8	4577		220	195	10.1	0.889	0.0424	56.4			100.0%					100.0%					100.0%			15.4%					
Fiat-Chrysler	Truck	Van	2010	24.4	16.2	23.5	19.7	4580		226	200	9.9	0.883	0.0436	56.0			100.0%					100.0%					100.0%			16.0%					
Fiat-Chrysler	Truck	Van	2011	25.7	17.0	24.8	20.7	4500		220	283	7.7	1.286	0.0629	57.9			100.0%					100.0%					100.0%			100.0%	100.0%				
Fiat-Chrysler	Truck	Van	2012	25.9	17.1	24.9	20.8	4500		220	283	7.7	1.288	0.0629	58.3			100.0%					100.0%					100.0%			100.0%	100.0%				
Fiat-Chrysler	Truck	Van	2013	25.5	16.8	24.7	20.5	4727		220	283	8.0	1.288	0.0600	60.3			100.0%					100.0%					100.0%			100.0%	100.0%				
Fiat-Chrysler	*Truck*	*Van*	*2014*	*25.9*	*17.1*	*24.9*	*20.8*	*4502*		*220*	*283*	*7.7*	*1.288*	*0.0628*	*58.3*			*100.0%*					*100.0%*					*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	*Truck*	*Van*	*2015*	*26.1*	*17.2*	*25.1*	*21.0*	*4449*		*216*	*278*	*7.8*	*1.285*	*0.0625*	*58.0*			*100.0%*					*100.0%*					*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	*Truck*	*Van*	*2016*	*26.1*	*17.3*	*25.1*	*21.0*	*4444*		*216*	*277*	*7.8*	*1.285*	*0.0626*	*58.0*			*100.0%*					*100.0%*					*100.0%*			*100.0%*	*100.0%*				
Fiat-Chrysler	Truck	Van	2017	29.5	19.1	27.8	23.3	4440		213	273	7.3	1.277	0.0614	69.7			100.0%					95.1%	4.9%				100.0%			100.0%	100.0%	4.9%			

Manufacturer	Car or Truck	Vehicle Type	Model Year	Fuel Economy (MPG) Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Drivetrain Front	4WD	Rear	Transmission Manual	Automatic	Lockup	CVT	Other	Fuel Metering Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Vehicle Size Small	Mid	Large
Fiat-Chrysler	Truck	Truck SUV	1975	14.6	11.6	13.6	12.5	3555		317	138		0.431	0.0397	25.8				99.8%	0.2%	60.3%	39.7%				100.0%										
Fiat-Chrysler	Truck	Truck SUV	1976	15.0	12.1	13.6	12.7	3595		321	132		0.406	0.0368	26.7				99.8%	0.2%	48.6%	51.4%				100.0%										
Fiat-Chrysler	Truck	Truck SUV	1977	15.8	12.7	14.6	13.5	3631		325	134		0.408	0.0371	28.5				99.7%	0.3%	49.8%	50.2%				100.0%										
Fiat-Chrysler	Truck	Truck SUV	1978	15.6	12.5	14.3	13.2	3608		323	131	12.8	0.401	0.0365	27.8				99.7%	0.3%	50.2%	49.8%				100.0%										
Fiat-Chrysler	Truck	Truck SUV	1979	15.1	12.4	13.4	12.9	3646		297	129	13.9	0.436	0.0359	27.5				88.7%	11.3%	63.0%	35.8%	1.2%			100.0%										
Fiat-Chrysler	Truck	Truck SUV	1980	16.8	13.6	15.2	14.3	3507		266	111	15.5	0.429	0.0315	29.7				99.8%	0.2%	65.3%	30.9%	3.9%			100.0%										
Fiat-Chrysler	Truck	Truck SUV	1981	18.4	14.7	17.1	15.7	3502		261	114	15.1	0.450	0.0328	32.4				99.0%	1.0%	61.8%	1.2%	37.0%			100.0%										
Fiat-Chrysler	Truck	Truck SUV	1982	17.7	14.0	16.8	15.1	3742		284	121	16.0	0.431	0.0326	33.2				97.0%	3.0%	49.3%	12.8%	37.9%			100.0%										
Fiat-Chrysler	Truck	Truck SUV	1983	17.7	14.1	16.4	15.0	3676		288	123	14.2	0.432	0.0341	32.5				98.4%	1.6%	52.2%	7.7%	38.7%		1.4%	100.0%										
Fiat-Chrysler	Truck	Truck SUV	1984	18.3	14.6	16.8	15.5	3646		238	118	14.9	0.527	0.0325	33.8				97.4%	2.6%	40.1%	28.7%	31.2%			100.0%										
Fiat-Chrysler	Truck	Truck SUV	1985	15.0	11.9	13.9	12.7	4471		320	145	14.4	0.460	0.0323	33.8				72.6%	27.4%	14.5%	85.5%				100.0%										
Fiat-Chrysler	Truck	Truck SUV	1986	19.1	15.2	17.6	16.2	3745		217	122	14.0	0.606	0.0327	36.4				94.9%	5.1%	36.1%	20.7%	43.2%			82.9%			17.0%	0.1%						
Fiat-Chrysler	Truck	Truck SUV	1987	19.9	15.4	18.7	16.8	3689		243	145	12.5	0.622	0.0397	37.1				95.7%	4.3%	35.7%	24.7%	39.6%			43.9%		44.4%	11.6%	0.1%						
Fiat-Chrysler	Truck	Truck SUV	1988	19.2	14.6	18.4	16.2	3665		252	155	12.1	0.634	0.0430	35.3				96.4%	3.6%	26.7%	18.6%	54.8%			26.6%		62.2%	11.2%							
Fiat-Chrysler	Truck	Truck SUV	1989	19.2	14.7	18.1	16.2	3647		247	158	11.5	0.656	0.0437	35.2				96.8%	3.2%	27.8%	15.0%	57.1%			19.7%		63.8%	16.5%							
Fiat-Chrysler	Truck	Truck SUV	1990	19.8	14.9	19.0	16.6	3566		244	160	10.5	0.671	0.0451	35.4				97.5%	2.5%	27.8%	13.6%	58.6%			17.3%		65.1%	17.5%							
Fiat-Chrysler	Truck	Truck SUV	1991	19.4	14.6	18.4	16.2	3572		235	172	10.0	0.746	0.0484	34.8				98.8%	1.2%	33.7%	10.3%	55.9%			2.5%		94.4%	3.1%							
Fiat-Chrysler	Truck	Truck SUV	1992	19.8	14.8	18.7	16.5	3449		229	181	9.4	0.795	0.0523	34.2				99.4%	0.6%	36.2%	4.6%	59.2%					99.7%	0.3%							
Fiat-Chrysler	Truck	Truck SUV	1993	20.0	14.9	18.8	16.6	3478		226	179	8.8	0.799	0.0513	34.9				99.4%	0.6%	43.0%	5.2%	51.8%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1994	18.9	14.0	17.9	15.7	3738		254	190	8.8	0.760	0.0508	35.3				100.0%		20.7%		79.3%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1995	19.3	14.2	18.2	16.0	3668		241	183	9.2	0.772	0.0496	35.3				100.0%		24.8%		75.2%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1996	19.0	13.7	18.2	15.7	3811		261	198	9.4	0.761	0.0519	36.2				100.0%		4.6%		95.4%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1997	19.8	14.4	18.5	16.3	3797		241	180	9.9	0.753	0.0472	37.7				100.0%		26.1%		73.9%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1998	18.9	13.5	17.9	15.5	4144		266	195	10.2	0.740	0.0471	39.1				100.0%		14.3%		85.7%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	1999	18.8	13.4	17.7	15.4	4327		274	208	9.9	0.767	0.0480	40.7				93.0%	7.0%	9.4%		90.6%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	2000	19.0	13.4	17.8	15.5	4253		268	208	9.4	0.781	0.0490	40.2				91.5%	8.5%	9.2%		90.8%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	2001	18.9	13.3	17.9	15.5	4299		263	205	9.4	0.781	0.0477	40.6				91.8%	8.2%	8.4%		91.6%					100.0%								
Fiat-Chrysler	Truck	Truck SUV	2002	19.4	13.7	17.8	15.7	4381		252	217	9.3	0.864	0.0495	42.4				83.4%	16.6%	7.8%		92.2%					100.0%			0.3%					
Fiat-Chrysler	Truck	Truck SUV	2003	20.5	14.4	18.7	16.5	4355		255	217	9.1	0.856	0.0498	44.7				89.4%	10.6%	10.2%		89.8%					100.0%			1.5%					
Fiat-Chrysler	Truck	Truck SUV	2004	20.2	13.9	19.0	16.4	4292		258	221	9.0	0.854	0.0512	43.3				83.3%	16.7%	7.1%		92.9%					100.0%			1.1%					
Fiat-Chrysler	Truck	Truck SUV	2005	19.8	13.7	18.3	16.0	4545		259	225	9.0	0.874	0.0495	45.2				83.7%	16.3%	7.3%		92.7%					98.4%		1.6%	2.4%					
Fiat-Chrysler	Truck	Truck SUV	2006	19.9	13.7	18.3	16.0	4623		256	229	9.1	0.892	0.0494	46.1				82.8%	17.2%	7.9%		92.1%					98.7%		1.3%	2.4%					
Fiat-Chrysler	Truck	Truck SUV	2007	21.6	14.9	19.6	17.3	4432		235	218	9.3	0.939	0.0491	48.0			6.7%	74.8%	18.4%	6.4%		80.0%	13.6%				99.5%		0.5%	16.3%	14.7%				
Fiat-Chrysler	Truck	Truck SUV	2008	22.3	15.4	20.2	17.8	4397		229	217	9.4	0.963	0.0491	49.1			9.4%	73.4%	17.1%	7.6%		77.2%	15.2%				99.7%		0.3%	17.9%	16.5%				
Fiat-Chrysler	Truck	Truck SUV	2009	22.7	15.5	20.8	18.1	4351		218	217	9.0	1.009	0.0497	49.5			28.3%	62.1%	9.7%	3.1%		81.9%	14.9%				100.0%			40.5%	19.8%	0.2%			
Fiat-Chrysler	Truck	Truck SUV	2010	23.1	15.8	21.2	18.5	4274		215	211	9.2	0.993	0.0492	49.6			23.0%	67.2%	9.8%	7.4%		76.1%	16.5%				100.0%			35.3%	20.6%				
Fiat-Chrysler	Truck	Truck SUV	2011	23.8	16.2	21.9	19.1	4472		222	245	8.8	1.113	0.0540	53.4			12.9%	71.7%	15.4%	4.7%		77.5%	17.8%				100.0%			52.9%	61.8%				
Fiat-Chrysler	Truck	Truck SUV	2012	23.6	16.2	21.7	18.9	4517		222	268	8.3	1.212	0.0590	53.4			8.1%	82.8%	9.1%	6.8%		83.0%	10.2%				100.0%			76.0%	84.3%				
Fiat-Chrysler	Truck	Truck SUV	2013	23.8	16.3	21.7	19.0	4537		221	279	8.0	1.265	0.0612	54.0			13.2%	75.5%	11.3%	6.7%		86.4%	6.9%				100.0%			90.5%	99.7%				
Fiat-Chrysler	*Truck*	*Truck SUV*	*2014*	*25.4*	*17.2*	*23.4*	*20.3*	*4508*		*210*	*267*	*7.9*	*1.272*	*0.0588*	*57.5*			*6.5%*	*82.7%*	*10.7%*	*3.0%*		*96.4%*	*0.6%*				*100.0%*			*58.0%*	*97.5%*				
Fiat-Chrysler	*Truck*	*Truck SUV*	*2015*	*25.9*	*17.5*	*23.7*	*20.6*	*4443*		*205*	*263*	*7.9*	*1.288*	*0.0590*	*57.7*			*8.2%*	*82.8%*	*9.0%*	*3.3%*		*96.5%*	*0.2%*				*99.1%*		*0.9%*	*96.5%*	*98.6%*				
Fiat-Chrysler	*Truck*	*Truck SUV*	*2016*	*26.9*	*18.3*	*24.3*	*21.3*	*4243*		*192*	*246*	*8.1*	*1.280*	*0.0575*	*57.4*			*8.8%*	*86.3%*	*5.0%*	*3.8%*		*96.0%*	*0.1%*			*14.3%*	*85.4%*		*0.3%*	*98.1%*	*99.5%*				
Fiat-Chrysler	Truck	Truck SUV	2017	27.1	18.4	24.6	21.5	4318		196	255	7.8	1.299	0.0585	58.9			2.9%	89.8%	7.3%	3.5%		96.5%	0.1%			0.5%	99.5%			96.9%	99.6%				

				Fuel Economy (MPG)				Weight	Volume	Engine								Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Truck	Pickup	1975	13.0	10.5	11.9	11.1	4345		338	155		0.456	0.0356	28.5				61.2%	38.8%	34.1%	65.9%				100.0%											
Fiat-Chrysler	Truck	Pickup	1976	14.0	11.0	13.3	11.9	4338		335	158		0.470	0.0363	30.7				52.2%	47.8%	31.5%	68.5%				100.0%											
Fiat-Chrysler	Truck	Pickup	1977	14.5	11.5	13.5	12.3	4335		341	159		0.466	0.0367	31.5				56.6%	43.4%	25.1%	74.9%				100.0%											
Fiat-Chrysler	Truck	Pickup	1978	14.5	11.7	13.2	12.3	4226		326	148	13.4	0.455	0.0349	30.9				44.4%	55.6%	29.0%	71.0%				99.4%				0.6%							
Fiat-Chrysler	Truck	Pickup	1979	15.0	12.2	13.3	12.7	4041		272	130	14.8	0.510	0.0326	31.2				15.9%	84.1%	40.6%	45.7%	13.7%			98.7%				1.3%							
Fiat-Chrysler	Truck	Pickup	1980	19.8	15.9	18.1	16.8	3430		206	110	15.4	0.582	0.0327	34.2				15.3%	84.7%	62.1%	17.9%	20.0%			100.0%											
Fiat-Chrysler	Truck	Pickup	1981	19.9	16.0	18.3	16.9	3564		218	108	15.9	0.533	0.0307	35.6				15.9%	84.1%	60.2%	9.1%	30.7%			100.0%											
Fiat-Chrysler	Truck	Pickup	1982	21.2	16.8	19.9	18.1	3470		217	109	16.6	0.533	0.0316	37.2			12.3%	24.2%	63.5%	59.5%	16.2%	24.3%			100.0%											
Fiat-Chrysler	Truck	Pickup	1983	23.4	18.6	21.8	19.9	3312		189	103	15.4	0.588	0.0315	39.5			15.6%	18.7%	65.7%	60.6%	26.1%	9.7%		3.5%	96.4%			0.1%	3.4%							
Fiat-Chrysler	Truck	Pickup	1984	19.4	15.4	18.1	16.5	3638		224	109	15.6	0.521	0.0302	36.2			7.0%	23.3%	69.7%	58.1%	30.0%	11.9%			98.2%				1.8%							
Fiat-Chrysler	Truck	Pickup	1985	18.6	14.9	17.1	15.8	3798		250	124	14.7	0.529	0.0326	36.1				23.0%	77.0%	38.4%	51.5%	10.1%			99.5%				0.5%							
Fiat-Chrysler	Truck	Pickup	1986	20.2	16.0	18.7	17.1	3626		218	119	13.9	0.592	0.0328	37.4				30.0%	70.0%	47.3%	27.9%	24.7%			90.6%			9.3%	0.1%							
Fiat-Chrysler	Truck	Pickup	1987	21.2	16.5	19.9	17.9	3611		221	122	13.9	0.580	0.0338	38.9				26.4%	73.6%	39.4%	18.8%	41.8%			88.4%		5.7%	5.8%	0.0%							
Fiat-Chrysler	Truck	Pickup	1988	20.8	16.0	19.6	17.5	3652		226	126	13.7	0.586	0.0347	38.5				28.9%	71.1%	40.5%	15.4%	44.1%			29.0%		10.3%	60.7%								
Fiat-Chrysler	Truck	Pickup	1989	19.9	15.2	19.0	16.8	3681		234	127	13.1	0.569	0.0347	37.2				27.7%	72.3%	38.2%	13.5%	48.3%			15.2%		9.3%	75.5%								
Fiat-Chrysler	Truck	Pickup	1990	19.1	14.4	18.3	16.1	3991		255	141	12.0	0.563	0.0354	38.7				24.9%	75.1%	30.3%	13.8%	55.9%					10.3%	89.7%								
Fiat-Chrysler	Truck	Pickup	1991	18.8	14.1	17.9	15.8	4035		264	146	12.0	0.562	0.0361	38.4				25.4%	74.6%	25.3%	8.6%	66.1%					10.0%	90.0%								
Fiat-Chrysler	Truck	Pickup	1992	19.2	14.1	18.8	16.1	4046		257	155	11.6	0.597	0.0380	39.0				26.0%	74.0%	23.1%	0.6%	76.3%					95.2%	4.8%								
Fiat-Chrysler	Truck	Pickup	1993	18.9	13.9	18.2	15.8	4111		263	156	10.8	0.583	0.0377	39.0				28.1%	71.9%	23.0%		77.0%					97.2%	2.8%								
Fiat-Chrysler	Truck	Pickup	1994	18.8	13.8	17.9	15.6	4346		283	199	9.4	0.709	0.0458	41.0				23.1%	76.9%	19.4%		80.6%					99.1%	0.9%								
Fiat-Chrysler	Truck	Pickup	1995	17.8	13.0	17.0	14.8	4516		296	201	9.6	0.686	0.0445	40.5				35.0%	65.0%	16.5%		83.5%					94.0%	6.0%								
Fiat-Chrysler	Truck	Pickup	1996	17.4	12.5	16.8	14.4	4697		305	210	9.9	0.697	0.0449	40.8				34.1%	65.9%	12.5%		87.3%		0.2%			100.0%									
Fiat-Chrysler	Truck	Pickup	1997	17.7	12.6	17.2	14.7	4765		309	209	10.0	0.686	0.0441	42.2				45.6%	54.4%	10.2%		89.8%					100.0%									
Fiat-Chrysler	Truck	Pickup	1998	18.0	12.8	17.5	14.9	4783		299	207	10.4	0.698	0.0434	43.1				38.7%	61.3%	14.8%		85.2%					100.0%									
Fiat-Chrysler	Truck	Pickup	1999	17.7	12.5	17.2	14.6	4795		307	215	10.2	0.704	0.0449	42.5				43.5%	56.5%	11.6%		88.4%					100.0%									
Fiat-Chrysler	Truck	Pickup	2000	18.4	12.9	17.8	15.1	4662		292	214	9.6	0.737	0.0460	43.0				41.7%	58.3%	10.0%		90.0%					100.0%									
Fiat-Chrysler	Truck	Pickup	2001	17.3	12.1	16.8	14.3	4905		306	221	9.5	0.725	0.0450	42.6				43.9%	56.1%	9.5%		90.5%					100.0%									
Fiat-Chrysler	Truck	Pickup	2002	17.9	12.6	16.7	14.6	5011		290	225	9.7	0.783	0.0451	44.9				41.2%	58.8%	7.5%		92.5%					100.0%									
Fiat-Chrysler	Truck	Pickup	2003	18.2	12.8	16.7	14.7	5108		294	240	9.2	0.818	0.0469	46.5				40.7%	59.3%	6.5%		93.5%					100.0%									
Fiat-Chrysler	Truck	Pickup	2004	17.9	12.4	16.7	14.5	5140		301	279	8.5	0.921	0.0541	46.1				44.5%	55.5%	5.8%		94.2%					100.0%			0.7%						
Fiat-Chrysler	Truck	Pickup	2005	18.2	12.5	17.0	14.7	5093		298	274	8.6	0.911	0.0534	46.4				46.7%	53.3%	2.5%		97.5%					100.0%									
Fiat-Chrysler	Truck	Pickup	2006	19.0	13.0	17.8	15.4	5206		291	266	8.9	0.909	0.0509	49.5				46.3%	53.7%	5.2%		94.8%					100.0%									
Fiat-Chrysler	Truck	Pickup	2007	18.9	13.0	17.8	15.3	5317		298	277	8.8	0.924	0.0517	50.3				47.2%	52.8%	3.6%		96.4%					100.0%									
Fiat-Chrysler	Truck	Pickup	2008	20.2	13.9	18.6	16.3	5275		298	301	8.3	1.011	0.0568	55.1				43.4%	56.6%	4.6%		95.4%					100.0%									
Fiat-Chrysler	Truck	Pickup	2009	19.5	13.3	18.5	15.8	5531		317	321	8.0	1.016	0.0580	54.0				53.4%	46.6%	0.0%		100.0%					100.0%					59.9%				
Fiat-Chrysler	Truck	Pickup	2010	19.8	13.5	18.7	16.0	5371		316	343	7.7	1.078	0.0635	53.2				56.7%	43.3%			100.0%					100.0%					58.6%				
Fiat-Chrysler	Truck	Pickup	2011	19.9	13.6	18.9	16.2	5348		317	344	7.7	1.079	0.0641	53.2				61.1%	38.9%			100.0%					100.0%					60.9%				
Fiat-Chrysler	Truck	Pickup	2012	19.7	13.4	18.8	16.0	5410		335	373	7.0	1.111	0.0690	53.3				61.0%	39.0%			100.0%					100.0%					81.1%				
Fiat-Chrysler	Truck	Pickup	2013	20.4	13.8	19.4	16.6	5408		328	371	7.0	1.136	0.0685	55.4				61.1%	38.9%			100.0%					100.0%			9.7%		88.2%				
Fiat-Chrysler	*Truck*	*Pickup*	*2014*	*21.5*	*14.6*	*20.3*	*17.4*	*5619*		*325*	*346*	*7.2*	*1.082*	*0.0618*	*60.8*				*66.0%*	*34.0%*			*100.0%*					*100.0%*			*16.6%*		*95.8%*				
Fiat-Chrysler	*Truck*	*Pickup*	*2015*	*22.6*	*15.5*	*21.4*	*18.3*	*5518*		*310*	*335*	*7.3*	*1.100*	*0.0609*	*63.1*				*67.6%*	*32.4%*			*100.0%*					*97.5%*		*12.5%*	*25.6%*		*87.5%*				
Fiat-Chrysler	*Truck*	*Pickup*	*2016*	*22.6*	*15.5*	*21.3*	*18.2*	*5505*		*312*	*338*	*7.2*	*1.104*	*0.0614*	*62.8*				*70.6%*	*29.4%*			*100.0%*					*90.8%*		*9.2%*	*25.2%*		*90.8%*				
Fiat-Chrysler	Truck	Pickup	2017	22.4	15.1	21.3	18.1	5497		321	369	6.8	1.164	0.0671	61.8				77.5%	22.5%			100.0%					96.5%		3.5%	19.8%		96.5%				

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	Truck	All	1975	13.2	10.7	11.9	11.2	4080		319	145		0.452	0.0358	27.1				38.6%	61.4%	31.5%	68.5%				100.0%											
Fiat-Chrysler	Truck	All	1976	14.3	11.3	13.4	12.2	4151		323	148		0.455	0.0357	29.8				44.3%	55.7%	29.6%	70.4%				100.0%											
Fiat-Chrysler	Truck	All	1977	14.5	11.6	13.4	12.3	4179		332	151		0.454	0.0362	30.4				46.3%	53.7%	26.0%	74.0%				100.0%											
Fiat-Chrysler	Truck	All	1978	14.4	11.6	13.1	12.2	4090		325	144	13.3	0.441	0.0352	29.6				46.6%	53.4%	29.6%	70.4%				99.8%				0.2%						
Fiat-Chrysler	Truck	All	1979	14.7	12.0	13.0	12.4	4052		293	134	14.7	0.473	0.0335	30.1				31.3%	68.7%	38.1%	48.9%	13.0%			99.4%				0.6%						
Fiat-Chrysler	Truck	All	1980	18.2	14.6	16.6	15.4	3591		237	113	15.6	0.512	0.0319	33.0				36.3%	63.7%	55.0%	21.8%	23.2%			100.0%											
Fiat-Chrysler	Truck	All	1981	18.8	15.1	17.3	16.0	3663		244	113	15.9	0.485	0.0310	34.7			0.4%	36.5%	63.1%	51.3%	6.8%	41.9%			100.0%											
Fiat-Chrysler	Truck	All	1982	19.4	15.4	18.1	16.5	3679		246	115	16.8	0.488	0.0314	36.1			6.5%	31.4%	62.0%	45.7%	19.5%	34.8%			100.0%											
Fiat-Chrysler	Truck	All	1983	20.6	16.4	19.1	17.5	3567		228	111	15.5	0.521	0.0314	37.6			8.8%	30.6%	60.6%	49.6%	26.9%	21.3%		2.3%	98.0%			0.1%	1.9%						
Fiat-Chrysler	Truck	All	1984	19.4	15.4	18.1	16.5	3658		218	111	15.8	0.548	0.0305	36.4			27.5%	34.4%	38.1%	37.3%	45.4%	17.3%			99.5%				0.5%						
Fiat-Chrysler	Truck	All	1985	19.4	15.5	17.9	16.5	3777		221	119	15.6	0.577	0.0313	37.5			41.9%	15.2%	42.9%	20.4%	72.6%	7.0%			99.8%				0.2%						
Fiat-Chrysler	Truck	All	1986	20.7	16.4	19.2	17.6	3676		203	115	14.8	0.608	0.0312	38.8			34.0%	32.7%	33.3%	27.6%	45.6%	26.8%			93.2%			6.7%	0.0%						
Fiat-Chrysler	Truck	All	1987	21.3	16.6	20.1	18.0	3671		214	128	14.0	0.632	0.0351	39.7			32.3%	32.2%	35.6%	25.0%	27.9%	47.1%			66.0%		29.3%	4.7%	0.0%						
Fiat-Chrysler	Truck	All	1988	21.4	16.4	20.4	18.1	3727		214	137	13.7	0.668	0.0369	40.4			42.5%	30.9%	26.5%	19.5%	17.2%	63.3%			14.4%		51.6%	34.0%							
Fiat-Chrysler	Truck	All	1989	21.0	16.1	19.9	17.7	3748		213	137	13.2	0.675	0.0369	40.1			44.0%	31.3%	24.7%	17.3%	24.9%	57.8%			8.4%		50.8%	40.7%							
Fiat-Chrysler	Truck	All	1990	21.4	16.1	20.6	18.0	3825		220	146	12.0	0.683	0.0384	41.6			52.2%	26.7%	21.2%	12.6%	7.2%	80.2%			4.0%		62.4%	33.6%							
Fiat-Chrysler	Truck	All	1991	21.1	15.9	20.0	17.7	3894		219	149	12.1	0.697	0.0385	41.8			49.3%	30.1%	20.6%	13.1%	4.4%	82.6%			0.6%		68.9%	30.6%							
Fiat-Chrysler	Truck	All	1992	21.4	15.9	20.4	17.8	3893		215	152	11.8	0.717	0.0393	42.1			54.1%	24.5%	21.4%	12.1%	2.1%	85.8%					92.2%	7.8%							
Fiat-Chrysler	Truck	All	1993	21.9	16.2	20.9	18.2	3815		212	153	10.8	0.726	0.0401	42.3			59.2%	24.3%	16.5%	12.7%	1.4%	85.9%					94.4%	5.6%							
Fiat-Chrysler	Truck	All	1994	20.5	15.1	19.4	17.0	4000		238	173	10.2	0.738	0.0433	41.5			40.4%	32.6%	27.0%	10.3%	0.9%	88.8%					97.0%	3.0%		0.5%					
Fiat-Chrysler	Truck	All	1995	20.1	14.7	19.1	16.7	3946		239	176	10.1	0.750	0.0446	40.2			33.5%	45.4%	21.1%	13.1%	0.7%	86.2%					96.1%	3.9%		0.5%					
Fiat-Chrysler	Truck	All	1996	20.2	14.5	19.4	16.7	4203		246	183	10.6	0.760	0.0438	42.9			44.5%	34.5%	21.0%	4.3%	0.5%	95.2%		0.0%			100.0%			2.3%					
Fiat-Chrysler	Truck	All	1997	20.2	14.5	19.3	16.7	4229		247	180	10.7	0.746	0.0427	43.1			36.5%	42.9%	20.6%	10.4%	0.4%	89.2%					100.0%			2.7%					
Fiat-Chrysler	Truck	All	1998	20.0	14.1	19.2	16.4	4332		253	187	10.8	0.755	0.0432	43.6			32.6%	46.8%	20.6%	9.3%		90.7%					100.0%			3.3%					
Fiat-Chrysler	Truck	All	1999	19.8	14.0	18.9	16.3	4388		259	195	10.6	0.765	0.0442	43.8			31.2%	48.7%	20.1%	6.6%		93.4%					100.0%			3.8%					
Fiat-Chrysler	Truck	All	2000	20.3	14.2	19.4	16.6	4302		249	192	10.2	0.783	0.0446	44.1			34.6%	46.6%	18.7%	5.8%		94.2%					100.0%			4.0%					
Fiat-Chrysler	Truck	All	2001	19.4	13.5	18.6	15.9	4561		264	206	9.8	0.796	0.0453	44.8			27.1%	47.3%	25.6%	6.3%		93.7%					100.0%			2.0%					
Fiat-Chrysler	Truck	All	2002	20.0	14.0	18.7	16.2	4569		251	211	9.8	0.852	0.0462	46.3			28.2%	45.7%	26.1%	5.3%		94.7%					100.0%			2.8%					
Fiat-Chrysler	Truck	All	2003	20.8	14.5	19.1	16.8	4576		253	215	9.5	0.859	0.0470	48.0			31.6%	43.8%	24.6%	5.5%		94.5%					100.0%			2.2%					
Fiat-Chrysler	Truck	All	2004	19.7	13.6	18.5	16.0	4595		268	238	9.0	0.884	0.0514	45.5			11.3%	60.5%	28.2%	5.8%		94.2%					100.0%			1.3%					
Fiat-Chrysler	Truck	All	2005	20.9	14.2	19.6	16.9	4574		250	225	9.3	0.899	0.0489	48.3			40.4%	40.9%	18.8%	3.2%		96.8%					99.4%		0.6%	2.2%					
Fiat-Chrysler	Truck	All	2006	21.0	14.3	19.7	16.9	4662		249	224	9.5	0.896	0.0478	49.3			34.4%	46.3%	19.3%	4.6%		95.4%					99.4%		0.6%	2.5%					
Fiat-Chrysler	Truck	All	2007	21.5	14.7	19.9	17.3	4604		243	224	9.5	0.924	0.0483	49.6			29.2%	50.0%	20.7%	4.2%		88.5%	7.4%				99.7%		0.3%	9.5%	8.0%				
Fiat-Chrysler	Truck	All	2008	22.4	15.3	20.7	18.0	4618		240	223	9.6	0.928	0.0477	52.2			33.7%	46.2%	20.1%	4.8%		87.4%	7.8%				99.8%		0.2%	12.3%	8.5%				
Fiat-Chrysler	Truck	All	2009	22.4	15.2	21.0	18.0	4671		240	233	9.1	0.975	0.0493	52.5			43.5%	41.8%	14.7%	1.5%		91.2%	7.3%				100.0%			24.4%	22.5%	0.1%			
Fiat-Chrysler	Truck	All	2010	22.9	15.5	21.5	18.4	4582		237	229	9.2	0.964	0.0495	52.7			49.3%	39.0%	11.7%	3.2%		89.6%	7.2%				100.0%			21.7%	19.0%				
Fiat-Chrysler	Truck	All	2011	23.2	15.7	21.7	18.7	4656		241	272	8.4	1.137	0.0577	54.2			26.0%	56.6%	17.4%	2.9%		86.2%	11.0%				100.0%			50.6%	68.5%				
Fiat-Chrysler	Truck	All	2012	23.1	15.7	21.6	18.6	4710		246	295	7.9	1.209	0.0622	54.6			29.6%	57.0%	13.4%	3.6%		91.0%	5.4%				100.0%			65.4%	87.5%				
Fiat-Chrysler	Truck	All	2013	23.4	15.8	21.9	18.8	4790		245	301	7.8	1.243	0.0625	56.2			36.2%	49.7%	14.2%	3.2%		93.5%	3.3%				100.0%			75.1%	97.2%				
Fiat-Chrysler	*Truck*	*All*	*2014*	*24.5*	*16.5*	*22.9*	*19.6*	*4762*		*239*	*288*	*7.7*	*1.232*	*0.0603*	*58.4*			*24.6%*	*61.6%*	*13.8%*	*1.7%*		*98.0%*	*0.3%*				*100.0%*			*57.3%*	*97.6%*				
Fiat-Chrysler	*Truck*	*All*	*2015*	*25.2*	*17.0*	*23.4*	*20.2*	*4638*		*225*	*278*	*7.2*	*1.253*	*0.0598*	*58.7*			*19.9%*	*68.1%*	*11.9%*	*3.2%*		*97.6%*	*0.1%*				*97.1%*		*2.9%*	*84.2%*	*96.8%*				
Fiat-Chrysler	*Truck*	*All*	*2016*	*25.6*	*17.3*	*23.5*	*20.4*	*4576*		*224*	*271*	*7.0*	*1.210*	*0.0616*	*58.8*			*22.2%*	*67.0%*	*9.8%*	*2.2%*		*97.7%*	*0.1%*			*0.3%*	*99.3%*		*2.3%*	*81.9%*	*97.5%*				
Fiat-Chrysler	Truck	All	2017	26.3	17.6	24.2	20.9	4602		227	283	7.5	1.265	0.0609	61.4			19.1%	71.5%	9.4%	2.1%		97.0%	0.9%			0.3%	98.9%		0.8%	80.3%	98.9%	0.9%			

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Fiat-Chrysler	All	All	1975	15.3	12.0	14.4	13.0	4051		289	138		0.499	0.0338	31.4			2.4%	6.9%	90.7%	16.6%	83.4%				99.7%		0.3%									
Fiat-Chrysler	All	All	1976	16.3	12.7	15.5	13.8	4023		289	135		0.479	0.0332	33.1			1.3%	8.9%	89.8%	16.6%	83.4%				99.9%		0.1%									
Fiat-Chrysler	All	All	1977	16.2	12.6	15.5	13.8	4091		295	136		0.478	0.0330	33.5			1.5%	9.2%	89.3%	13.9%	86.1%				99.9%		0.1%									
Fiat-Chrysler	All	All	1978	17.6	13.8	16.7	15.0	3763		267	128	13.8	0.517	0.0337	33.7			9.0%	12.1%	78.9%	20.8%	42.0%	37.2%			99.7%		0.3%		0.1%							
Fiat-Chrysler	All	All	1979	18.8	14.9	17.6	16.0	3563		238	116	15.0	0.533	0.0324	34.2			19.1%	8.4%	72.4%	24.0%	36.7%	36.5%		2.7%	99.5%		0.3%		0.1%							
Fiat-Chrysler	All	All	1980	21.5	16.9	20.4	18.3	3188		195	94	16.6	0.536	0.0296	34.6			30.3%	11.1%	58.6%	30.5%	26.2%	38.6%		4.8%	99.1%		0.9%									
Fiat-Chrysler	All	All	1981	24.5	19.2	23.4	20.9	2972		172	95	15.7	0.599	0.0323	36.8			56.4%	7.7%	35.9%	33.6%	43.4%	18.9%		4.1%	97.2%		2.2%	0.6%								
Fiat-Chrysler	All	All	1982	24.5	19.2	23.3	20.9	3120		186	99	16.8	0.577	0.0319	38.8			53.9%	10.0%	36.2%	26.4%	47.4%	22.9%		3.3%	98.4%		1.4%	0.2%								
Fiat-Chrysler	All	All	1983	25.8	20.4	24.1	21.9	3029		174	96	15.6	0.596	0.0315	39.9			59.3%	10.6%	30.2%	31.1%	49.4%	16.8%		2.7%	88.4%		1.0%	10.1%	0.5%							
Fiat-Chrysler	All	All	1984	24.6	19.4	23.2	21.0	3079		168	98	15.5	0.631	0.0319	38.8			67.9%	12.6%	19.5%	30.2%	57.1%	12.7%			77.4%		6.3%	16.1%	0.2%							
Fiat-Chrysler	All	All	1985	24.6	19.4	23.2	21.0	3163		173	110	14.4	0.692	0.0349	39.7			73.3%	4.8%	21.9%	20.1%	68.6%	11.3%			67.7%		11.0%	21.2%	0.1%							
Fiat-Chrysler	All	All	1986	24.8	19.5	23.2	21.0	3201		170	108	14.1	0.688	0.0340	40.4			66.9%	13.4%	19.7%	22.6%	59.1%	18.3%			56.5%		10.9%	32.7%	0.0%							
Fiat-Chrysler	All	All	1987	24.6	19.0	23.3	20.8	3221		179	116	13.7	0.691	0.0361	40.0			64.5%	13.6%	21.9%	20.5%	41.5%	38.0%			49.3%		22.6%	28.0%	0.0%							
Fiat-Chrysler	All	All	1988	24.7	18.8	23.7	20.8	3312		181	122	13.7	0.703	0.0369	41.3			69.5%	14.2%	16.3%	16.4%	12.8%	70.8%			12.8%		39.0%	48.1%								
Fiat-Chrysler	All	All	1989	24.1	18.2	23.1	20.3	3404		182	125	13.2	0.712	0.0366	41.7			70.6%	15.4%	14.0%	15.5%	16.4%	68.1%			4.9%		47.8%	47.3%								
Fiat-Chrysler	All	All	1990	23.9	17.9	23.2	20.1	3529		192	136	11.8	0.732	0.0385	42.7			74.6%	13.7%	11.8%	13.3%	4.4%	82.3%			2.0%		62.3%	35.7%								
Fiat-Chrysler	All	All	1991	24.1	18.0	22.9	20.1	3512		188	137	11.8	0.750	0.0390	42.8			74.7%	14.7%	10.6%	14.5%	2.5%	83.1%			0.3%		65.7%	34.0%								
Fiat-Chrysler	All	All	1992	23.7	17.6	22.5	19.7	3575		193	142	11.6	0.748	0.0396	42.8			71.6%	14.5%	13.9%	13.9%	1.4%	84.7%					78.9%	21.1%								
Fiat-Chrysler	All	All	1993	23.5	17.2	22.7	19.6	3567		202	151	10.4	0.756	0.0421	42.5			67.7%	11.1%	21.2%	11.3%	1.1%	87.7%					84.0%	16.0%								
Fiat-Chrysler	All	All	1994	22.2	16.2	21.3	18.4	3768		218	164	10.1	0.762	0.0433	42.3			59.5%	20.2%	20.2%	9.4%	0.7%	89.9%					88.1%	11.9%		10.0%						
Fiat-Chrysler	All	All	1995	22.9	16.6	22.1	19.0	3619		203	166	9.8	0.859	0.0460	42.2			60.8%	24.5%	14.6%	13.3%	0.4%	86.4%					96.6%	3.4%		33.1%	0.0%					
Fiat-Chrysler	All	All	1996	22.2	15.8	21.6	18.3	3882		215	177	10.2	0.868	0.0461	43.6			61.6%	21.2%	17.2%	6.4%	0.3%	93.3%		0.0%			100.0%			31.9%	0.0%					
Fiat-Chrysler	All	All	1997	22.2	15.7	21.6	18.3	3913		217	175	10.3	0.847	0.0449	43.8			57.1%	26.6%	16.3%	9.2%	0.2%	90.5%					100.0%			33.9%	0.0%					
Fiat-Chrysler	All	All	1998	21.9	15.4	21.3	18.0	3990		221	177	10.6	0.847	0.0447	44.1			51.1%	31.4%	17.6%	8.6%		91.4%					100.0%			31.5%						
Fiat-Chrysler	All	All	1999	21.5	15.0	20.8	17.6	4120		231	192	10.3	0.870	0.0467	44.7			49.6%	33.2%	17.2%	5.5%	0.0%	94.5%					100.0%			31.1%	0.1%					
Fiat-Chrysler	All	All	2000	22.3	15.5	21.4	18.2	3986		217	186	9.9	0.893	0.0468	44.9			54.3%	29.2%	16.5%	4.9%		95.1%					100.0%			35.2%	0.0%					
Fiat-Chrysler	All	All	2001	21.6	15.0	20.6	17.6	4170		228	195	9.6	0.897	0.0471	45.6			49.9%	30.0%	20.1%	6.0%		94.0%					100.0%			34.2%	0.0%					
Fiat-Chrysler	All	All	2002	21.8	15.2	20.5	17.7	4203		221	204	9.5	0.962	0.0490	46.3			50.8%	30.0%	19.2%	5.6%		94.4%					100.0%			34.3%	0.1%					
Fiat-Chrysler	All	All	2003	22.3	15.5	20.5	17.9	4266		228	203	9.5	0.920	0.0477	47.9			46.3%	31.6%	22.1%	6.2%		93.8%					100.0%			25.3%	0.1%					
Fiat-Chrysler	All	All	2004	22.0	15.1	20.6	17.7	4236		230	223	8.9	0.998	0.0524	46.9			39.0%	41.0%	20.0%	5.5%		94.5%					100.0%			36.5%						
Fiat-Chrysler	All	All	2005	22.6	15.3	21.1	18.2	4279		227	221	9.0	0.997	0.0516	48.7			47.8%	28.4%	23.9%	3.8%	0.1%	96.1%					99.6%		0.4%	32.2%	0.1%					
Fiat-Chrysler	All	All	2006	22.5	15.3	21.2	18.1	4374		234	232	8.9	1.012	0.0532	49.6			38.0%	29.7%	32.3%	3.4%	0.1%	96.5%					99.7%		0.3%	32.6%	0.1%					
Fiat-Chrysler	All	All	2007	23.2	15.8	21.4	18.6	4326		223	223	9.0	1.037	0.0516	50.5			41.1%	34.4%	24.5%	3.6%	0.0%	82.0%	14.4%				99.8%		0.2%	36.5%	18.7%					
Fiat-Chrysler	All	All	2008	24.1	16.4	22.4	19.3	4306		217	217	9.3	1.028	0.0502	52.5			45.0%	30.1%	24.9%	3.6%	0.2%	86.3%	9.9%				99.9%		0.1%	43.1%	20.0%					
Fiat-Chrysler	All	All	2009	23.9	16.1	22.3	19.1	4401		224	229	8.9	1.050	0.0518	52.8			47.1%	28.6%	24.4%	2.7%	0.2%	87.0%	10.0%				100.0%			44.2%	33.1%	0.1%				
Fiat-Chrysler	All	All	2010	24.3	16.4	22.8	19.5	4338		222	227	9.0	1.032	0.0519	53.1			49.4%	26.6%	24.0%	3.3%	0.1%	87.8%	8.8%				100.0%			44.1%	30.0%					
Fiat-Chrysler	All	All	2011	24.2	16.3	22.7	19.4	4482		234	268	8.2	1.160	0.0592	54.4			33.4%	44.3%	22.3%	2.8%		85.4%	11.7%				100.0%			58.3%	72.6%					
Fiat-Chrysler	All	All	2012	25.0	16.8	23.5	20.1	4362		225	271	8.0	1.212	0.0610	54.8			41.5%	37.6%	20.9%	4.5%	0.2%	88.3%	7.1%				100.0%			72.8%	89.6%					
Fiat-Chrysler	All	All	2013	26.1	17.4	24.6	20.9	4326		216	267	7.9	1.259	0.0608	57.1			51.0%	29.6%	19.4%	5.2%	1.3%	90.0%	3.6%				99.8%			81.9%	98.0%					
Fiat-Chrysler	*All*	*All*	*2014*	*25.9*	*17.5*	*24.3*	*20.7*	*4476*		*222*	*272*	*7.8*	*1.253*	*0.0604*	*58.4*			*36.3%*	*44.7%*	*19.0%*	*2.5%*		*95.8%*	*1.7%*			*0.6%*	*99.3%*			*67.4%*	*98.2%*					
Fiat-Chrysler	*All*	*All*	*2015*	*27.3*	*18.2*	*25.6*	*21.8*	*4321*		*208*	*260*	*7.2*	*1.268*	*0.0595*	*59.9*			*37.7%*	*46.3%*	*16.0%*	*3.0%*		*94.7%*	*3.3%*			*0.6%*	*97.2%*		*1.8%*	*86.8%*	*97.6%*					
Fiat-Chrysler	*All*	*All*	*2016*	*27.0*	*18.1*	*25.1*	*21.5*	*4359*		*211*	*263*	*7.0*	*1.257*	*0.0606*	*59.3*			*35.9%*	*47.6%*	*16.5%*	*2.9%*		*93.0%*	*4.2%*			*0.1%*	*93.1%*		*1.8%*	*83.7%*	*98.1%*					
Fiat-Chrysler	All	All	2017	27.0	18.1	25.1	21.5	4441		219	277	7.5	1.287	0.0615	61.5			28.1%	57.1%	14.9%	2.8%		94.5%	2.7%			1.5%	97.5%		0.6%	81.3%	98.0%	0.7%				

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Car	Car	1975	31.4	24.5	30.0	26.7	2000		83	54		0.653	0.0271	31.5			100.0%			87.8%		12.2%			100.0%								100.0%		
Honda	Car	Car	1976	32.6	25.6	31.0	27.8	2021		84	56		0.671	0.0278	33.2			100.0%			88.9%	11.1%				100.0%								100.0%		
Honda	Car	Car	1977	35.5	28.2	33.2	30.2	2085	79.6	88	62		0.716	0.0300	37.9	2889	3025	100.0%			81.3%	18.7%				100.0%								100.0%		
Honda	Car	Car	1978	33.7	27.4	30.3	28.6	2126	83.3	90	63	14.8	0.701	0.0297	36.3	2848	3052	100.0%			82.0%		18.0%			100.0%								100.0%		
Honda	Car	Car	1979	29.0	23.4	26.5	24.7	2308	83.4	97	64	17.1	0.666	0.0279	33.6	2427	2814	100.0%			74.8%		25.2%			100.0%								100.0%		
Honda	Car	Car	1980	29.2	23.4	26.8	24.8	2330	88.9	100	68	17.0	0.685	0.0293	34.2	2635	3047	100.0%			58.0%	33.1%	8.9%			100.0%								100.0%		
Honda	Car	Car	1981	30.8	24.9	27.9	26.2	2343	88.0	100	71	16.1	0.716	0.0305	36.3	2752	3201	100.0%			73.6%	26.4%				100.0%								100.0%		
Honda	Car	Car	1982	33.4	27.0	30.3	28.4	2354	92.2	100	71	17.2	0.715	0.0304	39.7	3123	3657	100.0%			71.8%	28.2%				100.0%								100.0%		
Honda	Car	Car	1983	35.3	28.2	32.5	30.0	2380	91.8	101	74	15.6	0.728	0.0309	42.3	3277	3887	100.0%			64.5%	12.2%	23.3%			100.0%								100.0%		
Honda	Car	Car	1984	35.2	27.7	33.3	29.9	2380	90.4	104	84	14.1	0.809	0.0354	42.2	3194	3802	100.0%			64.5%		35.5%			100.0%								100.0%		
Honda	Car	Car	1985	33.8	26.6	32.0	28.8	2432	89.5	104	84	14.1	0.813	0.0348	41.4	3040	3693	98.3%	1.7%		62.9%		37.1%			91.8%		8.2%						100.0%		
Honda	Car	Car	1986	33.6	26.2	31.8	28.5	2565	93.4	107	90	13.6	0.828	0.0347	43.3	3144	4040	98.1%	1.9%		63.1%		36.9%			63.0%		37.0%			69.9%			100.0%		
Honda	Car	Car	1987	32.8	25.4	31.1	27.7	2633	94.2	109	93	13.9	0.840	0.0348	43.4	3111	4088	99.2%	0.8%		49.0%		51.0%			61.9%		38.1%			97.8%			100.0%		
Honda	Car	Car	1988	31.8	24.4	30.0	26.7	2770	97.3	115	105	13.1	0.912	0.0375	44.4	3144	4311	99.5%	0.5%		47.8%		52.2%			34.6%		42.9%	22.5%		98.6%			100.0%		
Honda	Car	Car	1989	31.3	23.9	29.4	26.2	2800	97.2	112	110	12.2	0.986	0.0392	44.1	3087	4284	95.9%	4.1%		46.3%		53.7%			26.0%		48.0%	26.0%		98.8%			100.0%		
Honda	Car	Car	1990	30.4	23.1	28.3	25.4	2884	99.8	119	121	10.9	1.021	0.0418	44.2	3078	4403	99.7%	0.3%		41.2%		58.8%			0.6%		75.1%	24.3%		99.2%			100.0%		
Honda	Car	Car	1991	30.3	22.9	28.2	25.2	2913	100.2	122	130	10.7	1.056	0.0440	44.5	3083	4449	99.6%		0.4%	38.6%		61.4%					74.3%	25.7%		99.0%	0.4%		100.0%		
Honda	Car	Car	1992	30.9	22.8	29.4	25.7	3015	101.0	125	135	10.3	1.087	0.0446	47.3	3217	4764	99.8%		0.2%	35.2%		64.8%					100.0%			97.5%	3.8%		100.0%		
Honda	Car	Car	1993	32.2	23.6	30.2	26.5	2977	97.5	119	125	10.1	1.061	0.0418	48.3	3199	4696	99.9%		0.1%	35.5%		64.5%					100.0%			99.6%	14.4%		100.0%		
Honda	Car	Car	1994	32.1	23.4	30.1	26.4	3055	98.4	121	133	9.8	1.114	0.0435	49.3	3202	4849	99.9%		0.1%	35.5%		64.5%					100.0%			98.7%	36.6%		100.0%		
Honda	Car	Car	1995	32.8	23.7	30.6	26.8	2995	97.5	117	130	10.1	1.126	0.0434	49.5	3251	4818	99.9%		0.1%	35.4%		64.6%					100.0%			98.9%	35.3%		100.0%		
Honda	Car	Car	1996	31.8	22.9	29.7	26.0	3046	102.0	124	134	10.4	1.094	0.0440	48.8	3306	4972	99.9%		0.1%	27.3%		72.5%	0.1%				100.0%			100.0%	28.8%		97.9%	2.1%	
Honda	Car	Car	1997	32.1	23.0	29.8	26.1	3019	101.1	122	133	10.4	1.100	0.0438	48.8	3308	4932	100.0%		0.0%	26.6%		72.6%	0.8%				100.0%			100.0%	31.4%		98.1%	1.9%	
Honda	Car	Car	1998	32.0	22.6	29.8	25.9	3173	104.0	128	144	10.5	1.136	0.0451	50.9	3373	5299	100.0%		0.0%	22.2%		77.2%	0.6%				100.0%			100.0%	66.2%		52.7%	47.3%	
Honda	Car	Car	1999	30.9	21.6	29.0	25.0	3221	105.0	135	153	10.3	1.142	0.0470	50.0	3288	5254	100.0%		0.0%	18.8%		81.0%	0.3%				100.0%			100.0%	73.9%		43.7%	56.3%	
Honda	Car	Car	2000	31.0	21.5	29.0	25.0	3195	104.4	134	153	9.8	1.157	0.0476	49.8	3279	5201	99.0%		1.0%	17.9%		82.0%	0.2%				100.0%			100.0%	74.5%	0.6%	43.2%	56.8%	
Honda	Car	Car	2001	32.2	22.1	30.1	25.9	3189	104.6	134	154	9.6	1.150	0.0478	51.9	3448	5425	98.8%		1.2%	16.6%		83.0%	0.3%				100.0%			100.0%	94.3%	0.4%	50.0%	50.0%	
Honda	Car	Car	2002	32.0	21.8	29.7	25.5	3218	105.4	136	157	9.6	1.160	0.0483	51.8	3434	5460	98.8%		1.2%	16.3%		83.4%	0.2%				100.0%			100.0%	95.6%	0.2%	44.0%	56.0%	
Honda	Car	Car	2003	32.7	21.8	31.0	26.1	3283	105.8	141	170	9.2	1.193	0.0510	54.4	3539	5755	99.1%		0.9%	13.8%		83.1%	3.1%				100.0%			96.3%	99.7%	3.8%	40.1%	59.9%	
Honda	Car	Car	2004	32.7	21.8	30.6	26.0	3296	105.5	139	171	9.2	1.212	0.0511	54.6	3531	5759	99.1%		0.9%	13.7%		84.0%	2.3%				100.0%			97.2%	99.0%	2.8%	44.1%	55.9%	
Honda	Car	Car	2005	32.8	21.7	30.7	26.0	3308	105.7	141	174	9.0	1.215	0.0515	55.0	3556	5819	96.3%	2.6%	1.1%	11.8%		85.4%	2.8%				100.0%			96.7%	100.0%	5.7%	42.6%	57.4%	
Honda	Car	Car	2006	33.5	22.0	31.3	26.5	3336	104.8	139	178	8.8	1.275	0.0527	56.9	3605	5956	97.8%	1.5%	0.7%	11.8%		84.4%	3.9%				100.0%			96.2%	100.0%	4.4%	48.7%	51.3%	
Honda	Car	Car	2007	33.9	22.3	31.5	26.7	3289	105.9	135	171	9.1	1.258	0.0513	56.6	3677	5988	98.9%	0.5%	0.5%	11.6%		84.8%	3.6%				100.0%			96.4%	100.0%	4.0%	47.4%	52.6%	
Honda	Car	Car	2008	34.3	22.5	32.0	27.1	3334	109.0	137	175	9.1	1.275	0.0517	57.7	3811	6287	99.1%	0.6%	0.3%	10.5%		85.9%	3.6%				100.0%			96.4%	100.0%	3.6%	55.8%	6.9%	37.3%
Honda	Car	Car	2009	34.6	22.8	32.2	27.3	3303	109.5	135	172	9.0	1.281	0.0514	57.7	3853	6301	98.7%	1.3%	0.0%	7.0%		90.4%	2.6%				100.0%			97.4%	100.0%	2.6%	58.4%	4.8%	36.7%
Honda	Car	Car	2010	35.6	23.4	32.8	28.0	3298	108.9	134	174	9.0	1.294	0.0517	59.6	3969	6471	98.3%	1.7%		3.7%		89.3%	6.9%				100.0%			93.1%	100.0%	6.9%	61.0%	5.4%	33.5%
Honda	Car	Car	2011	36.5	23.7	33.1	28.3	3322	108.7	136	170	9.1	1.255	0.0504	61.0	3996	6607	99.1%	0.9%		5.1%		89.5%	5.4%				100.0%			96.9%	100.0%	6.6%	55.1%	3.0%	41.9%
Honda	Car	Car	2012	38.1	24.7	34.4	29.4	3269	108.4	133	168	9.1	1.262	0.0507	62.8	4183	6785	98.6%	1.4%		4.7%		92.9%	2.4%				100.0%			98.1%	100.0%	2.5%	63.3%	5.7%	30.9%
Honda	Car	Car	2013	40.1	26.1	35.5	30.8	3257	106.9	132	170	8.9	1.285	0.0516	65.7	4332	7027	99.4%	0.6%		5.3%		58.5%	36.3%			34.8%	65.1%			98.0%	99.9%	2.4%	55.5%	44.5%	
Honda	Car	Car	2014	40.6	26.6	35.3	31.0	3357	107.4	139	180	8.5	1.297	0.0531	69.2	4437	7440	99.5%	0.5%		3.9%		13.5%	82.6%			47.2%	52.7%			98.8%	99.9%	3.4%	41.8%	58.2%	
Honda	Car	Car	2015	41.7	27.3	36.0	31.6	3276	106.9	133	173	8.5	1.306	0.0522	69.0	4525	7387	98.8%	1.2%		5.5%		14.6%	79.9%			50.6%	49.4%			99.5%	100.0%	2.7%	59.3%	40.7%	
Honda	Car	Car	2016	43.0	27.9	37.4	32.6	3250	111.7	132	179	8.3	1.388	0.0547	69.9	4861	7810	99.4%	0.6%		1.0%		13.2%	85.7%			63.4%	36.6%			100.0%	100.0%	0.3%	20.0%	80.0%	
Honda	Car	Car	2017	42.4	27.8	36.5	32.2	3308	113.2	132	181	8.2	1.400	0.0543	71.2	4907	8056	95.4%	4.6%		5.9%		13.2%	80.9%			62.8%	37.0%			99.8%	99.8%	2.3%	24.4%	69.2%	6.4%

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Car	Car SUV	1975																																	
Honda	Car	Car SUV	1976																																	
Honda	Car	Car SUV	1977																																	
Honda	Car	Car SUV	1978																																	
Honda	Car	Car SUV	1979																																	
Honda	Car	Car SUV	1980																																	
Honda	Car	Car SUV	1981																																	
Honda	Car	Car SUV	1982																																	
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Honda	Car	Car SUV	1989																																	
Honda	Car	Car SUV	1990																																	
Honda	Car	Car SUV	1991																																	
Honda	Car	Car SUV	1992																																	
Honda	Car	Car SUV	1993																																	
Honda	Car	Car SUV	1994	20.4	15.5	18.4	16.8	4000		183	161	10.5	0.871	0.0401	40.9			100.0%			54.8%		45.2%				100.0%			73.8%						
Honda	Car	Car SUV	1995																																	
Honda	Car	Car SUV	1996	19.9	14.8	18.1	16.3	4000		188	181	10.2	0.958	0.0454	40.0					100.0%	17.2%		82.8%				100.0%			87.8%						
Honda	Car	Car SUV	1997	19.4	14.3	17.8	15.9	4000		193	190	9.8	0.984	0.0475	38.9					100.0%	5.3%		94.7%				100.0%			100.0%						
Honda	Car	Car SUV	1998	25.1	18.4	22.3	20.3	3656		143	151	11.7	1.054	0.0408	46.2			68.7%		31.3%	1.4%		98.6%				100.0%			100.0%						
Honda	Car	Car SUV	1999	25.1	18.4	22.1	20.2	3655		143	164	10.9	1.169	0.0447	46.3			68.9%		31.1%	1.1%		98.9%				100.0%			100.0%						
Honda	Car	Car SUV	2000	25.5	18.6	22.3	20.4	3633		139	162	10.5	1.176	0.0443	46.6			73.4%		26.6%	0.8%		99.2%				100.0%			100.0%						
Honda	Car	Car SUV	2001	26.1	18.9	22.6	20.8	3605		135	158	10.4	1.184	0.0437	47.2			79.0%		21.0%	0.5%		99.5%				100.0%			100.0%						
Honda	Car	Car SUV	2002	28.8	20.3	25.6	22.9	3543		148	164	10.1	1.107	0.0462	51.3			91.4%		8.6%	0.2%		99.8%				100.0%			100.0%	91.4%					
Honda	Car	Car SUV	2003	29.7	20.7	26.3	23.5	3500		144	160	10.1	1.111	0.0457	52.0			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2004	29.4	20.1	26.5	23.2	3500		144	160	10.1	1.111	0.0457	51.4			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2005	29.7	20.3	26.3	23.3	3500		144	160	9.8	1.111	0.0457	51.9			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2006	29.7	20.3	26.3	23.3	3500		144	156	10.0	1.083	0.0446	51.9			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2007	29.9	20.1	27.1	23.6	3500		144	166	9.7	1.153	0.0474	52.3			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2008	29.7	20.0	27.0	23.5	3500		144	166	9.8	1.153	0.0474	52.0			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2009	29.7	20.0	27.0	23.5	3500		144	166	9.5	1.153	0.0474	52.0			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2010	31.0	21.0	27.7	24.4	3534		146	184	9.1	1.266	0.0520	54.7			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2011	30.9	20.9	27.3	24.2	3538		146	185	9.0	1.269	0.0521	54.7			100.0%					100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2012	32.3	21.4	29.2	25.2	3636		158	202	8.7	1.279	0.0553	58.8			89.0%	11.0%				100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2013	33.0	21.9	29.7	25.8	3666		162	206	8.6	1.269	0.0558	60.4			94.7%	5.3%				100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2014	33.4	22.2	29.9	26.0	3598		157	199	8.7	1.267	0.0550	60.1			97.2%	2.8%				100.0%				100.0%			100.0%	100.0%					
Honda	Car	Car SUV	2015	37.1	24.8	31.8	28.4	3650		158	201	8.5	1.268	0.0548	68.0			96.6%	3.4%				19.5%	80.5%			80.5%	19.5%			100.0%	100.0%					
Honda	Car	Car SUV	2016	38.5	26.0	32.2	29.2	3465		135	182	9.0	1.342	0.0523	66.7			75.6%	24.4%		1.0%		7.0%	91.9%			49.5%	50.5%			100.0%	100.0%					
Honda	Car	Car SUV	2017	38.3	25.7	32.4	29.2	3569		128	200	8.3	1.682	0.0558	68.8			100.0%					13.8%	86.2%			86.2%	13.8%			100.0%	100.0%					

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Car	All	1975	31.4	24.5	30.0	26.7	2000		83	54		0.653	0.0271	31.5			100.0%			87.8%		12.2%			100.0%								100.0%		
Honda	Car	All	1976	32.6	25.6	31.0	27.8	2021		84	56		0.671	0.0278	33.2			100.0%			88.9%	11.1%				100.0%								100.0%		
Honda	Car	All	1977	35.5	28.2	33.2	30.2	2085		88	62		0.716	0.0300	37.9			100.0%			81.3%	18.7%				100.0%								100.0%		
Honda	Car	All	1978	33.7	27.4	30.3	28.6	2126		90	63	14.8	0.701	0.0297	36.3			100.0%			82.0%		18.0%			100.0%								100.0%		
Honda	Car	All	1979	29.0	23.4	26.5	24.7	2308		97	64	17.1	0.666	0.0279	33.6			100.0%			74.8%		25.2%			100.0%								100.0%		
Honda	Car	All	1980	29.2	23.4	26.8	24.8	2330		100	68	17.0	0.685	0.0293	34.2			100.0%			58.0%	33.1%	8.9%			100.0%								100.0%		
Honda	Car	All	1981	30.8	24.9	27.9	26.2	2343		100	71	16.1	0.716	0.0305	36.3			100.0%			73.6%	26.4%				100.0%								100.0%		
Honda	Car	All	1982	33.4	27.0	30.3	28.4	2354		100	71	17.2	0.715	0.0304	39.7			100.0%			71.8%	28.2%				100.0%								100.0%		
Honda	Car	All	1983	35.3	28.2	32.5	30.0	2380		101	74	15.6	0.728	0.0309	42.3			100.0%			64.5%	12.2%	23.3%			100.0%								100.0%		
Honda	Car	All	1984	35.2	27.7	33.3	29.9	2380		104	84	14.1	0.809	0.0354	42.2			100.0%			64.5%		35.5%			100.0%								100.0%		
Honda	Car	All	1985	33.8	26.6	32.0	28.8	2432		104	84	14.1	0.813	0.0348	41.4			98.3%	1.7%		62.9%		37.1%			91.8%		8.2%						100.0%		
Honda	Car	All	1986	33.6	26.2	31.8	28.5	2565		107	90	13.6	0.828	0.0347	43.3			98.1%	1.9%		63.1%		36.9%			63.0%		37.0%			69.9%			100.0%		
Honda	Car	All	1987	32.8	25.4	31.1	27.7	2633		109	93	13.9	0.840	0.0348	43.4			99.2%	0.8%		49.0%		51.0%			61.9%		38.1%			97.8%			100.0%		
Honda	Car	All	1988	31.8	24.4	30.0	26.7	2770		115	105	13.1	0.912	0.0375	44.4			99.5%	0.5%		47.8%		52.2%			34.6%		42.9%	22.5%		98.6%			100.0%		
Honda	Car	All	1989	31.3	23.9	29.4	26.2	2800		112	110	12.2	0.986	0.0392	44.1			95.9%	4.1%		46.3%		53.7%			26.0%		48.0%	26.0%		98.8%			100.0%		
Honda	Car	All	1990	30.4	23.1	28.3	25.4	2884		119	121	10.9	1.021	0.0418	44.2			99.7%	0.3%		41.2%		58.8%			0.6%		75.1%	24.3%		99.2%			100.0%		
Honda	Car	All	1991	30.3	22.9	28.2	25.2	2913		122	130	10.7	1.056	0.0440	44.5			99.6%		0.4%	38.6%		61.4%					74.3%	25.7%		99.0%	0.4%		100.0%		
Honda	Car	All	1992	30.9	22.8	29.4	25.7	3015		125	135	10.3	1.087	0.0446	47.3			99.8%		0.2%	35.2%		64.8%					100.0%			97.5%	3.8%		100.0%		
Honda	Car	All	1993	32.2	23.6	30.2	26.5	2977		119	125	10.1	1.061	0.0418	48.3			99.9%		0.1%	35.5%		64.5%					100.0%			99.6%	14.4%		100.0%		
Honda	Car	All	1994	31.9	23.3	29.9	26.2	3065		121	134	9.8	1.111	0.0434	49.2			99.9%		0.1%	35.7%		64.3%					100.0%			98.4%	36.2%				
Honda	Car	All	1995	32.8	23.7	30.6	26.8	2995		117	130	10.1	1.126	0.0434	49.5			99.9%		0.1%	35.4%		64.6%					100.0%			98.9%	35.3%		100.0%		
Honda	Car	All	1996	31.6	22.7	29.5	25.8	3057		125	135	10.4	1.093	0.0440	48.7			98.8%		1.2%	27.2%		72.6%	0.1%				100.0%			99.9%	28.4%				
Honda	Car	All	1997	32.0	22.8	29.6	26.0	3027		123	133	10.4	1.099	0.0439	48.8			99.1%		0.9%	26.4%		72.8%	0.8%				100.0%			100.0%	31.1%				
Honda	Car	All	1998	31.7	22.4	29.5	25.7	3188		129	145	10.6	1.133	0.0450	50.8			99.0%		1.0%	21.6%		77.8%	0.6%				100.0%			100.0%	64.2%				
Honda	Car	All	1999	30.6	21.4	28.6	24.8	3241		135	153	10.3	1.143	0.0469	49.8			98.5%		1.5%	17.9%		81.8%	0.3%				100.0%			100.0%	70.5%				
Honda	Car	All	2000	30.8	21.4	28.7	24.8	3212		134	154	9.8	1.157	0.0474	49.7			98.0%		2.0%	17.2%		82.6%	0.2%				100.0%			100.0%	71.6%	0.6%			
Honda	Car	All	2001	31.9	22.0	29.6	25.6	3207		134	154	9.6	1.152	0.0476	51.7			97.9%		2.1%	15.9%		83.7%	0.3%				100.0%			100.0%	90.2%	0.4%			
Honda	Car	All	2002	31.8	21.7	29.5	25.4	3230		136	157	9.6	1.158	0.0482	51.8			98.6%		1.4%	15.8%		84.0%	0.2%				100.0%			100.0%	95.5%	0.2%			
Honda	Car	All	2003	32.6	21.7	30.8	26.0	3290		141	169	9.2	1.191	0.0508	54.3			99.1%		0.9%	13.3%		83.6%	3.0%				100.0%			96.4%	99.7%	3.7%			
Honda	Car	All	2004	32.6	21.7	30.4	25.9	3304		140	171	9.2	1.208	0.0509	54.4			99.1%		0.9%	13.2%		84.6%	2.2%				100.0%			97.3%	99.0%	2.7%			
Honda	Car	All	2005	32.7	21.6	30.5	25.9	3315		141	173	9.0	1.211	0.0513	54.9			96.4%	2.5%	1.1%	11.4%		85.9%	2.7%				100.0%			96.9%	100.0%	5.5%			
Honda	Car	All	2006	33.3	21.9	31.0	26.3	3343		139	177	8.9	1.266	0.0523	56.7			97.9%	1.5%	0.7%	11.2%		85.1%	3.7%				100.0%			96.4%	100.0%	4.2%			
Honda	Car	All	2007	33.5	22.1	31.1	26.4	3307		136	170	9.1	1.249	0.0510	56.2			99.0%	0.5%	0.5%	10.6%		86.1%	3.3%				100.0%			96.7%	100.0%	3.7%			
Honda	Car	All	2008	33.8	22.2	31.5	26.7	3349		138	175	9.1	1.264	0.0513	57.2			99.2%	0.5%	0.3%	9.6%		87.2%	3.2%				100.0%			96.8%	100.0%	3.2%			
Honda	Car	All	2009	34.2	22.5	31.7	27.0	3319		135	172	9.0	1.270	0.0510	57.2			98.8%	1.2%	0.0%	6.4%		91.2%	2.3%				100.0%			97.7%	100.0%	2.3%			
Honda	Car	All	2010	35.1	23.2	32.3	27.6	3321		135	175	9.0	1.291	0.0518	59.1			98.4%	1.6%		3.4%		90.3%	6.3%				100.0%			93.7%	100.0%	6.3%			
Honda	Car	All	2011	35.4	23.2	32.0	27.5	3358		137	173	9.1	1.258	0.0507	59.9			99.2%	0.8%		4.2%		91.3%	4.5%				100.0%			97.4%	100.0%	5.5%			
Honda	Car	All	2012	37.4	24.3	33.8	28.9	3309		136	172	9.1	1.264	0.0512	62.3			97.6%	2.4%		4.2%		93.7%	2.2%				100.0%			98.3%	100.0%	2.3%			
Honda	Car	All	2013	39.0	25.5	34.6	30.0	3310		136	175	8.9	1.283	0.0521	65.0			98.8%	1.2%		4.6%		63.8%	31.6%			30.4%	69.6%			98.2%	100.0%	2.1%			
Honda	Car	All	2014	39.0	25.7	34.1	29.9	3402		142	183	8.5	1.291	0.0534	67.5			99.1%	0.9%		3.2%		29.8%	67.1%			38.3%	61.6%			99.0%	99.9%	2.7%			
Honda	Car	All	2015	41.0	26.9	35.3	31.1	3329		136	177	8.5	1.301	0.0526	68.8			98.5%	1.5%		4.7%		15.3%	80.0%			54.9%	45.1%			99.5%	100.0%	2.3%			
Honda	Car	All	2016	41.7	27.3	35.9	31.6	3306		133	180	8.5	1.376	0.0541	69.1			93.2%	6.8%		1.0%		11.6%	87.3%			59.8%	40.2%			100.0%	100.0%	0.2%			
Honda	Car	All	2017	41.9	27.5	36.0	31.8	3337		132	183	8.2	1.431	0.0545	70.9			95.9%	4.1%		5.2%		13.3%	81.5%			65.4%	34.5%			99.8%	99.8%	2.1%			

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Truck	Van	1975																																
Honda	Truck	Van	1976																																
Honda	Truck	Van	1977																																
Honda	Truck	Van	1978																																
Honda	Truck	Van	1979																																
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Honda	Truck	Van	1981																																
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Honda	Truck	Van	1992																																
Honda	Truck	Van	1993																																
Honda	Truck	Van	1994																																
Honda	Truck	Van	1995	25.5	19.1	23.0	20.9	3500		132	140	11.3	1.061	0.0400	44.7			100.0%					100.0%				100.0%			100.0%					
Honda	Truck	Van	1996	28.5	20.5	26.6	23.3	3500		132	145	11.6	1.098	0.0414	49.8			100.0%					100.0%				100.0%			100.0%					
Honda	Truck	Van	1997	24.9	18.5	22.2	20.2	3500		132	130	12.4	0.985	0.0371	43.6			100.0%					100.0%				100.0%			100.0%					
Honda	Truck	Van	1998	27.0	19.3	24.9	21.9	3500		138	150	11.6	1.087	0.0429	47.2			100.0%					100.0%				100.0%			100.0%					
Honda	Truck	Van	1999	24.1	16.5	24.1	19.8	4500		212	205	10.5	0.967	0.0456	54.2			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2000	23.9	16.3	23.7	19.6	4500		212	205	10.1	0.967	0.0456	53.8			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2001	24.0	16.4	23.5	19.6	4500		212	205	9.9	0.967	0.0456	54.0			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2002	24.2	16.5	23.5	19.7	4500		212	240	8.9	1.132	0.0533	54.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2003	24.2	16.4	23.4	19.7	4500		212	240	8.8	1.132	0.0533	54.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2004	24.2	16.3	23.3	19.6	4500		212	240	8.8	1.132	0.0533	54.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2005	26.0	17.2	25.1	21.0	4500		212	255	8.4	1.203	0.0567	58.6			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2006	26.1	17.2	25.1	21.0	4500		212	244	8.7	1.151	0.0542	58.7			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2007	24.7	16.3	24.0	19.9	4500		212	244	8.8	1.151	0.0542	55.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2008	25.2	16.6	24.7	20.4	4500		212	242	8.9	1.141	0.0538	56.8			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2009	25.2	16.6	24.7	20.4	4835		212	242	9.1	1.141	0.0502	61.1			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2010	24.9	16.4	24.4	20.2	4840		214	244	9.1	1.140	0.0505	60.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2011	27.8	18.1	27.1	22.3	4500		214	248	8.6	1.159	0.0551	62.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2012	27.8	18.1	27.1	22.3	4500		214	248	8.6	1.161	0.0551	62.6			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2013	27.7	18.1	27.1	22.3	4500		214	248	8.6	1.161	0.0551	62.5			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2014	29.0	19.1	27.4	23.1	4500		214	248	8.4	1.161	0.0551	65.2			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2015	29.0	19.1	27.4	23.1	4500		214	248	8.4	1.161	0.0551	65.2			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2016	29.0	19.1	27.4	23.1	4500		214	248	8.4	1.161	0.0551	65.2			100.0%					100.0%				100.0%			100.0%	100.0%				
Honda	Truck	Van	2017	29.0	19.1	27.4	23.1	4500		214	248	8.4	1.161	0.0551	65.2			100.0%					100.0%				100.0%			100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Truck	Truck SUV	1975																																	
Honda	Truck	Truck SUV	1976																																	
Honda	Truck	Truck SUV	1977																																	
Honda	Truck	Truck SUV	1978																																	
Honda	Truck	Truck SUV	1979																																	
Honda	Truck	Truck SUV	1980																																	
Honda	Truck	Truck SUV	1981																																	
Honda	Truck	Truck SUV	1982																																	
Honda	Truck	Truck SUV	1983																																	
Honda	Truck	Truck SUV	1984																																	
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Honda	Truck	Truck SUV	1988																																	
Honda	Truck	Truck SUV	1989																																	
Honda	Truck	Truck SUV	1990																																	
Honda	Truck	Truck SUV	1991																																	
Honda	Truck	Truck SUV	1992																																	
Honda	Truck	Truck SUV	1993																																	
Honda	Truck	Truck SUV	1994	20.1	15.3	18.0	16.5	4000		193	175	9.9	0.907	0.0438	40.2				100.0%		65.5%		34.5%				100.0%			100.0%						
Honda	Truck	Truck SUV	1995																																	
Honda	Truck	Truck SUV	1996	19.0	14.0	17.5	15.7	4500		193	190	10.5	0.984	0.0422	42.8					100.0%	9.5%		90.5%				100.0%			100.0%						
Honda	Truck	Truck SUV	1997	25.1	18.8	22.0	20.4	3673		133	137	12.3	1.039	0.0371	46.4				82.7%	17.3%	1.9%		98.1%				100.0%			100.0%						
Honda	Truck	Truck SUV	1998	25.5	18.8	22.4	20.6	3606		134	141	12.2	1.051	0.0389	46.1				100.0%		15.4%		84.6%				100.0%			100.0%						
Honda	Truck	Truck SUV	1999	25.9	19.0	22.5	20.8	3587		132	156	11.3	1.191	0.0433	46.6				100.0%		13.8%		86.2%				100.0%			100.0%						
Honda	Truck	Truck SUV	2000	26.2	19.2	22.6	20.9	3611		128	153	11.0	1.200	0.0421	47.3				100.0%		11.8%		88.2%				100.0%			100.0%						
Honda	Truck	Truck SUV	2001	25.1	18.0	22.3	20.1	3865		152	178	10.2	1.181	0.0454	48.4				100.0%		7.0%		93.0%				100.0%			100.0%	29.8%					
Honda	Truck	Truck SUV	2002	25.8	18.1	23.3	20.7	3824		166	185	9.9	1.116	0.0480	49.3				100.0%		5.7%		94.3%				100.0%			100.0%	98.0%					
Honda	Truck	Truck SUV	2003	24.7	17.2	22.4	19.8	4061		177	202	9.6	1.136	0.0493	50.1			6.0%	94.0%		4.4%		95.6%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2004	24.4	16.8	22.2	19.5	4082		180	206	9.5	1.138	0.0499	49.7			4.4%	95.6%		4.2%		95.8%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2005	24.1	16.5	22.0	19.2	4095		181	214	9.2	1.169	0.0516	49.5			4.9%	95.1%		3.0%		97.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2006	24.5	16.7	22.4	19.5	4101		182	207	9.4	1.127	0.0498	50.2			19.5%	80.5%		2.6%		97.4%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2007	25.0	17.0	22.7	19.9	4231		177	215	9.4	1.216	0.0504	53.2			17.2%	82.8%		1.0%		99.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2008	25.3	17.3	22.8	20.1	4212		175	213	9.6	1.218	0.0501	53.7			14.2%	85.8%		0.6%		99.4%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2009	25.7	17.6	23.2	20.4	4244		179	217	9.3	1.209	0.0506	54.8			13.6%	86.4%		0.1%		99.9%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2010	27.0	18.3	24.5	21.4	4237		179	223	9.1	1.245	0.0524	57.4			16.1%	83.9%		0.0%		100.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2011	26.3	17.9	23.8	20.9	4321		185	226	9.1	1.227	0.0519	57.2			15.9%	84.1%				100.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2012	28.1	18.9	25.5	22.2	4269		185	229	8.9	1.244	0.0533	60.2			12.8%	87.2%				100.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2013	29.1	19.5	26.4	23.0	4145		180	222	8.9	1.236	0.0534	60.5			12.0%	88.0%				100.0%				100.0%			100.0%	100.0%					
Honda	Truck	Truck SUV	2014	30.4	20.3	27.6	23.9	4011		175	220	8.9	1.261	0.0547	61.0			11.1%	88.9%				100.0%				16.1%	83.9%			100.0%	100.0%					
Honda	Truck	Truck SUV	2015	32.4	21.7	28.7	25.2	4118		175	219	8.8	1.251	0.0530	67.8			11.0%	89.0%				43.1%	56.9%			67.6%	32.4%			100.0%	100.0%					
Honda	Truck	Truck SUV	2016	31.9	21.2	28.2	24.7	4148		181	246	8.0	1.363	0.0591	66.7			13.9%	86.1%				52.1%	47.9%			94.6%	5.4%			100.0%	100.0%					
Honda	Truck	Truck SUV	2017	33.5	22.2	29.2	25.7	3952		156	232	8.1	1.608	0.0583	66.7			13.7%	86.3%				46.6%	53.4%			92.4%	7.6%			100.0%	100.0%	0.6%				

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Truck	Pickup	1975																																
Honda	Truck	Pickup	1976																																
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Honda	Truck	Pickup	2002																																
Honda	Truck	Pickup	2003																																
Honda	Truck	Pickup	2004																																
Honda	Truck	Pickup	2005																																
Honda	Truck	Pickup	2006	21.4	14.6	19.9	17.2	4500		212	247	8.6	1.165	0.0549	48.1				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2007	21.4	14.6	19.9	17.2	4500		212	247	8.7	1.165	0.0549	48.1				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2008	21.4	14.6	19.9	17.2	4500		212	247	8.8	1.165	0.0549	48.1				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2009	22.0	15.0	20.4	17.6	4500		212	250	8.5	1.179	0.0556	49.4				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2010	22.0	15.0	20.4	17.6	4500		214	250	8.6	1.168	0.0556	49.4				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2011	22.0	15.0	20.4	17.7	4500		214	250	8.6	1.168	0.0556	49.4				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2012	22.6	15.5	20.8	18.1	5000		214	250	9.1	1.171	0.0500	56.5				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2013	22.6	15.5	20.8	18.1	5000		214	250	9.1	1.171	0.0500	56.5				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2014	22.6	15.5	20.8	18.1	5000		214	250	9.1	1.171	0.0500	56.5				100.0%				100.0%					100.0%			100.0%	100.0%				
Honda	Truck	Pickup	2015																																
Honda	Truck	Pickup	2016																																
Honda	Truck	Pickup	2017	27.5	18.5	25.3	21.8	4500		214	280	7.7	1.311	0.0622	61.9			32.0%	68.0%					100.0%				100.0%				100.0%	100.0%				

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	Truck	All	1975																																	
Honda	Truck	All	1976																																	
Honda	Truck	All	1977																																	
Honda	Truck	All	1978																																	
Honda	Truck	All	1979																																	
Honda	Truck	All	1980																																	
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Honda	Truck	All	1991																																	
Honda	Truck	All	1992																																	
Honda	Truck	All	1993																																	
Honda	Truck	All	1994	20.1	15.3	18.0	16.5	4000		193	175	9.9	0.907	0.0438	40.2				100.0%		65.5%		34.5%					100.0%			100.0%						
Honda	Truck	All	1995	25.5	19.1	23.0	20.9	3500		132	140	11.3	1.061	0.0400	44.7			100.0%					100.0%					100.0%			100.0%						
Honda	Truck	All	1996	22.7	16.6	21.0	18.6	4010		163	168	11.0	1.040	0.0418	46.2			49.0%		51.0%	4.8%		95.2%					100.0%			100.0%						
Honda	Truck	All	1997	25.1	18.7	22.1	20.3	3638		132	136	12.3	1.028	0.0371	45.8			19.9%	66.2%	13.8%	1.5%		98.5%					100.0%			100.0%						
Honda	Truck	All	1998	25.7	18.9	22.7	20.7	3592		135	143	12.2	1.056	0.0394	46.2			13.2%	86.8%		13.4%		86.6%					100.0%			100.0%						
Honda	Truck	All	1999	25.3	18.1	23.0	20.5	3888		159	172	11.1	1.117	0.0440	49.1			33.0%	67.0%		9.2%		90.8%					100.0%			100.0%	33.0%					
Honda	Truck	All	2000	24.9	17.5	23.2	20.2	4102		174	181	10.5	1.071	0.0440	50.9			55.2%	44.8%		5.3%		94.7%					100.0%			100.0%	55.2%					
Honda	Truck	All	2001	24.6	17.2	22.8	19.9	4165		181	191	10.1	1.080	0.0455	51.0			47.3%	52.7%		3.7%		96.3%					100.0%			100.0%	63.0%					
Honda	Truck	All	2002	25.0	17.3	23.4	20.2	4148		188	212	9.4	1.124	0.0506	51.8			48.0%	52.0%		3.0%		97.0%					100.0%			100.0%	98.9%					
Honda	Truck	All	2003	24.6	16.9	22.7	19.7	4198		188	214	9.3	1.135	0.0505	51.5			35.2%	64.8%		3.0%		97.0%					100.0%			100.0%	100.0%					
Honda	Truck	All	2004	24.3	16.7	22.4	19.5	4192		188	215	9.3	1.136	0.0508	51.0			29.5%	70.5%		3.1%		96.9%					100.0%			100.0%	100.0%					
Honda	Truck	All	2005	24.7	16.7	22.8	19.7	4218		191	226	8.9	1.179	0.0531	52.3			33.9%	66.1%		2.1%		97.9%					100.0%			100.0%	100.0%					
Honda	Truck	All	2006	24.5	16.6	22.8	19.6	4273		195	223	9.1	1.139	0.0518	52.5			41.9%	58.1%		1.5%		98.5%					100.0%			100.0%	100.0%					
Honda	Truck	All	2007	24.5	16.6	22.8	19.6	4341		191	227	9.2	1.191	0.0520	53.5			42.7%	57.3%		0.6%		99.4%					100.0%			100.0%	100.0%					
Honda	Truck	All	2008	24.9	16.9	23.0	19.9	4310		187	223	9.3	1.194	0.0515	54.0			35.3%	64.7%		0.4%		99.6%					100.0%			100.0%	100.0%					
Honda	Truck	All	2009	25.4	17.2	23.4	20.3	4387		188	224	9.2	1.192	0.0507	56.0			32.4%	67.6%		0.1%		99.9%					100.0%			100.0%	100.0%					
Honda	Truck	All	2010	26.2	17.6	24.3	20.9	4410		190	230	9.1	1.214	0.0520	58.0			38.6%	61.4%		0.0%		100.0%					100.0%			100.0%	100.0%					
Honda	Truck	All	2011	26.4	17.9	24.2	21.0	4361		191	231	9.0	1.212	0.0526	58.0			31.7%	68.3%				100.0%					100.0%			100.0%	100.0%					
Honda	Truck	All	2012	27.8	18.6	25.8	22.1	4358		194	235	8.8	1.218	0.0537	60.8			38.4%	61.6%				100.0%					100.0%			100.0%	100.0%					
Honda	Truck	All	2013	28.5	19.0	26.3	22.6	4246		188	228	8.9	1.219	0.0536	60.7			28.5%	71.5%				100.0%					100.0%			100.0%	100.0%					
Honda	Truck	All	2014	29.8	19.9	27.3	23.5	4151		185	227	8.8	1.235	0.0547	61.9			32.1%	67.9%				100.0%				11.9%	88.1%			100.0%	100.0%					
Honda	Truck	All	2015	31.5	21.0	28.4	24.7	4207		184	226	8.7	1.230	0.0535	67.2			31.8%	68.2%				56.4%	43.6%			51.8%	48.2%			100.0%	100.0%					
Honda	Truck	All	2016	31.2	20.7	28.0	24.3	4229		189	246	8.1	1.317	0.0582	66.3			33.7%	66.3%				63.1%	36.9%			72.9%	27.1%			100.0%	100.0%					
Honda	Truck	All	2017	32.3	21.5	28.6	25.0	4052		167	239	8.0	1.545	0.0586	66.0			20.8%	79.2%				56.3%	43.7%			88.2%	11.8%			100.0%	100.0%	0.5%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering							Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Honda	All	All	1975	31.4	24.5	30.0	26.7	2000		83	54		0.653	0.0271	31.5			100.0%			87.8%		12.2%			100.0%								100.0%		
Honda	All	All	1976	32.6	25.6	31.0	27.8	2021		84	56		0.671	0.0278	33.2			100.0%			88.9%	11.1%				100.0%								100.0%		
Honda	All	All	1977	35.5	28.2	33.2	30.2	2085		88	62		0.716	0.0300	37.9			100.0%			81.3%	18.7%				100.0%								100.0%		
Honda	All	All	1978	33.7	27.4	30.3	28.6	2126		90	63	14.8	0.701	0.0297	36.3			100.0%			82.0%		18.0%			100.0%								100.0%		
Honda	All	All	1979	29.0	23.4	26.5	24.7	2308		97	64	17.1	0.666	0.0279	33.6			100.0%			74.8%		25.2%			100.0%								100.0%		
Honda	All	All	1980	29.2	23.4	26.8	24.8	2330		100	68	17.0	0.685	0.0293	34.2			100.0%			58.0%	33.1%	8.9%			100.0%								100.0%		
Honda	All	All	1981	30.8	24.9	27.9	26.2	2343		100	71	16.1	0.716	0.0305	36.3			100.0%			73.6%	26.4%				100.0%								100.0%		
Honda	All	All	1982	33.4	27.0	30.3	28.4	2354		100	71	17.2	0.715	0.0304	39.7			100.0%			71.8%	28.2%				100.0%								100.0%		
Honda	All	All	1983	35.3	28.2	32.5	30.0	2380		101	74	15.6	0.728	0.0309	42.3			100.0%			64.5%	12.2%	23.3%			100.0%								100.0%		
Honda	All	All	1984	35.2	27.7	33.3	29.9	2380		104	84	14.1	0.809	0.0354	42.2			100.0%			64.5%		35.5%			100.0%								100.0%		
Honda	All	All	1985	33.8	26.6	32.0	28.8	2432		104	84	14.1	0.813	0.0348	41.4			98.3%	1.7%		62.9%		37.1%			91.8%		8.2%						100.0%		
Honda	All	All	1986	33.6	26.2	31.8	28.5	2565		107	90	13.6	0.828	0.0347	43.3			98.1%	1.9%		63.1%		36.9%			63.0%		37.0%			69.9%			100.0%		
Honda	All	All	1987	32.8	25.4	31.1	27.7	2633		109	93	13.9	0.840	0.0348	43.4			99.2%	0.8%		49.0%		51.0%			61.9%		38.1%			97.8%			100.0%		
Honda	All	All	1988	31.8	24.4	30.0	26.7	2770		115	105	13.1	0.912	0.0375	44.4			99.5%	0.5%		47.8%		52.2%			34.6%		42.9%	22.5%		98.6%			100.0%		
Honda	All	All	1989	31.3	23.9	29.4	26.2	2800		112	110	12.2	0.986	0.0392	44.1			95.9%	4.1%		46.3%		53.7%			26.0%		48.0%	26.0%		98.8%			100.0%		
Honda	All	All	1990	30.4	23.1	28.3	25.4	2884		119	121	10.9	1.021	0.0418	44.2			99.7%	0.3%		41.2%		58.8%			0.6%		75.1%	24.3%		99.2%			100.0%		
Honda	All	All	1991	30.3	22.9	28.2	25.2	2913		122	130	10.7	1.056	0.0440	44.5			99.6%		0.4%	38.6%		61.4%					74.3%	25.7%		99.0%	0.4%		100.0%		
Honda	All	All	1992	30.9	22.8	29.4	25.7	3015		125	135	10.3	1.087	0.0446	47.3			99.8%		0.2%	35.2%		64.8%					100.0%			97.5%	3.8%		100.0%		
Honda	All	All	1993	32.2	23.6	30.2	26.5	2977		119	125	10.1	1.061	0.0418	48.3			99.9%		0.1%	35.5%		64.5%					100.0%			99.6%	14.4%		100.0%		
Honda	All	All	1994	31.5	23.0	29.5	25.9	3084		123	134	9.8	1.107	0.0434	49.0			97.9%	2.0%	0.1%	36.3%		63.7%					100.0%			98.4%	35.5%				
Honda	All	All	1995	32.4	23.5	30.2	26.5	3016		118	131	10.1	1.124	0.0432	49.3			99.9%		0.1%	34.0%		66.0%					100.0%			98.9%	33.9%				
Honda	All	All	1996	31.0	22.3	28.9	25.3	3106		127	137	10.4	1.090	0.0439	48.6			96.2%		3.8%	26.1%		73.8%	0.1%				100.0%			99.9%	27.0%				
Honda	All	All	1997	31.0	22.3	28.5	25.2	3097		124	134	10.6	1.091	0.0431	48.4			90.0%	7.6%	2.4%	23.6%		75.7%	0.7%				100.0%			100.0%	27.6%				
Honda	All	All	1998	30.9	22.0	28.6	25.0	3231		129	144	10.7	1.125	0.0444	50.3			89.7%	9.4%	0.9%	20.7%		78.8%	0.5%				100.0%			100.0%	57.2%				
Honda	All	All	1999	29.6	20.8	27.5	23.9	3345		139	156	10.4	1.139	0.0465	49.7			87.9%	10.8%	1.2%	16.5%		83.2%	0.2%				100.0%			100.0%	64.4%				
Honda	All	All	2000	29.4	20.5	27.5	23.8	3381		142	159	9.9	1.141	0.0468	49.9			89.8%	8.5%	1.6%	14.9%		84.9%	0.2%				100.0%			100.0%	68.5%	0.5%			
Honda	All	All	2001	29.9	20.6	27.7	24.0	3428		145	162	9.7	1.135	0.0471	51.5			86.3%	12.1%	1.6%	13.1%		86.6%	0.3%				100.0%			100.0%	84.0%	0.3%			
Honda	All	All	2002	29.8	20.4	27.7	23.9	3462		149	171	9.6	1.149	0.0488	51.8			85.8%	13.1%	1.1%	12.5%		87.3%	0.2%				100.0%			100.0%	96.4%	0.2%			
Honda	All	All	2003	29.1	19.7	27.2	23.3	3626		159	186	9.2	1.170	0.0507	53.3			75.5%	24.0%	0.6%	9.5%		88.6%	1.9%				100.0%			97.7%	99.8%	2.3%			
Honda	All	All	2004	28.9	19.5	26.9	23.1	3633		158	187	9.2	1.182	0.0508	53.1			73.3%	26.2%	0.6%	9.4%		89.2%	1.4%				100.0%			98.3%	99.4%	1.7%			
Honda	All	All	2005	29.1	19.4	27.0	23.1	3659		160	193	9.0	1.199	0.0520	53.9			72.6%	26.8%	0.7%	7.8%		90.5%	1.6%				100.0%			98.1%	100.0%	3.4%			
Honda	All	All	2006	28.9	19.3	26.9	23.0	3735		163	196	9.0	1.213	0.0521	54.9			74.3%	25.3%	0.4%	7.1%		90.8%	2.1%				100.0%			97.9%	100.0%	2.4%			
Honda	All	All	2007	29.3	19.5	27.2	23.3	3713		158	193	9.1	1.226	0.0514	55.2			76.9%	22.8%	0.3%	6.7%		91.4%	2.0%				100.0%			98.0%	100.0%	2.2%			
Honda	All	All	2008	30.1	20.0	27.9	23.9	3681		155	191	9.2	1.240	0.0514	56.1			77.1%	22.7%	0.2%	6.4%		91.5%	2.1%				100.0%			97.9%	100.0%	2.1%			
Honda	All	All	2009	31.1	20.7	28.8	24.6	3626		150	187	9.1	1.248	0.0510	56.9			79.7%	20.3%	0.0%	4.6%		93.7%	1.7%				100.0%			98.3%	100.0%	1.7%			
Honda	All	All	2010	31.5	21.0	29.1	24.9	3686		154	193	9.0	1.265	0.0518	58.8			78.4%	21.6%		2.3%		93.6%	4.2%				100.0%			95.8%	100.0%	4.2%			
Honda	All	All	2011	30.4	20.2	27.7	23.9	3848		164	201	9.0	1.236	0.0516	59.0			66.3%	33.7%		2.2%		95.5%	2.3%				100.0%			98.7%	100.0%	2.8%			
Honda	All	All	2012	33.7	22.1	30.7	26.3	3645		154	192	9.0	1.249	0.0520	61.9			78.6%	21.4%		2.8%		95.7%	1.5%				100.0%			98.8%	100.0%	1.5%			
Honda	All	All	2013	34.9	23.0	31.5	27.2	3606		153	192	8.9	1.263	0.0526	63.7			76.6%	23.4%		3.1%		75.2%	21.6%			20.8%	79.2%			98.8%	100.0%	1.5%			
Honda	All	All	2014	34.7	23.0	31.0	27.0	3701		159	201	8.6	1.269	0.0539	65.2			72.3%	27.7%		1.9%		57.8%	40.3%			27.7%	72.2%			99.4%	100.0%	1.6%			
Honda	All	All	2015	37.0	24.5	32.5	28.5	3639		153	194	8.6	1.276	0.0529	68.3			74.9%	25.1%		3.1%		29.8%	67.2%			53.8%	46.2%			99.7%	100.0%	1.5%			
Honda	All	All	2016	36.7	24.2	32.2	28.2	3680		155	207	8.3	1.352	0.0558	68.0			69.1%	30.9%		0.6%		32.5%	66.9%			65.1%	34.9%			100.0%	100.0%	0.1%			
Honda	All	All	2017	38.7	25.5	33.6	29.5	3538		141	199	8.2	1.463	0.0557	69.5			74.7%	25.3%		3.7%		25.4%	70.8%			71.8%	28.1%			99.8%	99.8%	1.6%			

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Car	Car	1975	25.0	19.2	24.7	21.4	2606		117	113		0.957	0.0424	33.3					100.0%	78.6%	21.4%				67.7%		32.3%						100.0%		
Nissan	Car	Car	1976	26.9	21.0	25.8	22.9	2568		112	107		0.946	0.0407	35.1					100.0%	74.1%	25.9%				79.0%		21.0%						100.0%		
Nissan	Car	Car	1977	27.2	21.5	25.5	23.1	2555	78.7	111	106		0.948	0.0406	35.5	2272	2819			100.0%	72.0%	28.0%				77.6%		22.4%						100.0%		
Nissan	Car	Car	1978	26.8	21.3	24.9	22.8	2534	78.8	111	105	11.9	0.941	0.0407	34.6	2213	2739			100.0%	71.1%	28.9%				78.8%		21.2%						100.0%		
Nissan	Car	Car	1979	26.8	21.1	25.4	22.8	2494	83.2	109	85	15.4	0.772	0.0331	33.8	2337	2827	14.5%		85.5%	73.4%	26.6%				76.0%		24.0%						100.0%		
Nissan	Car	Car	1980	31.2	24.9	29.0	26.6	2461	86.3	105	82	15.7	0.777	0.0327	38.7	2763	3353	19.6%		80.4%	71.8%	28.2%				71.8%		28.2%						100.0%		
Nissan	Car	Car	1981	30.5	24.4	28.1	25.9	2530	84.7	113	89	15.3	0.774	0.0344	38.9	2672	3312	18.1%		81.9%	65.9%	19.1%	15.0%			62.7%		36.2%		1.0%				100.0%		
Nissan	Car	Car	1982	30.7	24.3	28.8	26.1	2568	89.7	117	90	16.3	0.761	0.0344	40.1	2909	3625	44.2%		55.8%	55.9%	20.7%	23.3%			62.5%		35.0%		2.5%				100.0%		
Nissan	Car	Car	1983	32.7	25.6	31.4	27.9	2516	93.6	116	90	14.5	0.759	0.0349	41.7	3223	3931	70.9%		29.1%	60.5%	0.8%	38.7%			68.7%		30.1%		1.2%				100.0%		
Nissan	Car	Car	1984	31.9	24.8	30.9	27.2	2633	90.9	123	101	13.7	0.804	0.0373	42.6	3078	3887	46.1%		53.9%	59.3%	1.6%	39.1%			45.3%		53.9%		0.8%				100.0%		
Nissan	Car	Car	1985	29.5	23.0	28.3	25.1	2738	93.0	128	103	13.7	0.789	0.0366	40.7	2910	3779	75.6%		24.4%	51.3%	0.8%	47.9%			49.5%		50.3%		0.2%				100.0%		
Nissan	Car	Car	1986	29.9	23.0	29.1	25.4	2801	95.0	128	103	13.2	0.792	0.0359	42.1	2973	3994	72.9%	1.8%	25.3%	53.7%		46.3%			45.5%		54.5%		0.1%				89.2%	10.8%	
Nissan	Car	Car	1987	29.3	22.3	28.5	24.8	2882	98.9	125	99	14.2	0.778	0.0333	42.4	2975	4194	90.8%	0.6%	8.6%	45.7%		54.3%			40.1%		34.3%	25.6%		2.2%			98.5%	1.5%	
Nissan	Car	Car	1988	30.6	23.4	29.0	25.7	2786	98.5	118	93	14.9	0.775	0.0325	42.8	3096	4218	90.9%	0.5%	8.5%	49.0%		51.0%			0.5%		35.8%	63.7%		3.7%			97.6%	2.4%	
Nissan	Car	Car	1989	30.2	22.8	28.9	25.3	2836	99.3	124	112	12.4	0.904	0.0390	42.9	3063	4271	84.6%	0.2%	15.1%	44.1%		55.9%					42.5%	57.5%		65.9%			79.3%	20.7%	
Nissan	Car	Car	1990	28.4	21.1	27.5	23.8	3025	97.8	144	138	10.6	0.953	0.0447	43.0	2861	4221	74.9%		25.1%	40.7%		59.3%					65.2%	34.8%		75.0%	2.5%		74.1%	25.9%	
Nissan	Car	Car	1991	29.0	21.3	28.3	24.2	3081	98.4	143	146	10.2	1.035	0.0467	45.0	2928	4432	81.4%		18.6%	34.1%		65.9%					99.3%	0.7%		75.1%	37.1%		72.8%	27.2%	
Nissan	Car	Car	1992	29.9	21.8	29.0	24.9	3026	99.1	137	141	10.1	1.049	0.0461	45.7	3036	4527	87.2%		12.8%	33.6%		66.4%					99.8%	0.2%		85.0%	53.0%		74.7%	25.3%	
Nissan	Car	Car	1993	29.1	21.1	28.3	24.2	3097	100.1	138	146	9.4	1.067	0.0466	45.3	2970	4536	85.8%		14.2%	24.3%		75.7%					100.0%			85.9%	40.2%		80.8%	19.2%	
Nissan	Car	Car	1994	29.8	21.5	28.9	24.7	3035	101.1	135	142	9.5	1.068	0.0461	45.5	3068	4594	90.7%		9.3%	20.8%		79.2%					100.0%			88.3%	50.6%		83.2%	16.8%	
Nissan	Car	Car	1995	29.2	20.9	28.2	24.1	3143	104.0	148	159	9.2	1.082	0.0500	46.1	3072	4795	89.0%		11.0%	21.5%		78.5%					100.0%			100.0%	54.9%		68.7%	31.3%	
Nissan	Car	Car	1996	30.2	21.4	29.0	24.8	3121	104.4	145	156	9.6	1.091	0.0494	47.4	3187	4943	96.0%		4.0%	26.8%		73.2%					100.0%			100.0%	73.3%		59.8%	40.2%	
Nissan	Car	Car	1997	29.6	20.8	28.6	24.2	3122	105.1	146	156	9.6	1.081	0.0494	46.4	3137	4869	94.8%		5.2%	12.6%		87.4%					100.0%			100.0%	64.2%		67.0%	33.0%	
Nissan	Car	Car	1998	30.2	21.0	29.0	24.6	3283	106.4	146	156	10.2	1.075	0.0471	49.6	3230	5278	97.6%		2.4%	13.3%		86.7%					100.0%			100.0%	59.2%		66.5%	33.5%	
Nissan	Car	Car	1999	29.6	20.5	28.3	24.1	3341	107.2	148	157	10.2	1.068	0.0467	49.5	3191	5309	98.2%		1.8%	9.8%		90.2%					100.0%			100.0%	50.1%		68.5%	31.5%	
Nissan	Car	Car	2000	28.0	19.3	26.8	22.7	3381	111.2	158	184	8.9	1.160	0.0542	47.3	3119	5256	99.1%		0.9%	9.3%		90.7%					100.0%			100.0%	62.0%		51.2%	48.8%	
Nissan	Car	Car	2001	28.3	19.5	26.7	22.8	3305	109.1	150	173	9.1	1.150	0.0519	46.8	3105	5104	99.5%		0.5%	7.8%		92.2%					100.0%			100.0%	57.9%		63.6%	36.4%	
Nissan	Car	Car	2002	28.9	19.9	26.8	23.2	3368	113.2	165	193	8.7	1.174	0.0569	49.1	3300	5546	98.2%		1.8%	10.4%		89.6%					100.0%			100.0%	97.1%		28.5%	71.5%	
Nissan	Car	Car	2003	27.9	19.0	25.9	22.3	3430	108.3	177	213	8.1	1.195	0.0616	48.2	3065	5238	74.7%		25.3%	11.6%		88.4%					100.0%			100.0%	100.0%		39.5%	60.5%	
Nissan	Car	Car	2004	28.2	19.0	26.3	22.5	3528	105.2	177	215	8.2	1.212	0.0600	50.1	3032	5301	72.4%	3.9%	23.7%	10.9%		89.1%					100.0%			100.0%	100.0%		53.2%	46.8%	
Nissan	Car	Car	2005	29.4	19.7	26.9	23.3	3521	111.1	166	197	8.6	1.180	0.0553	51.8	3305	5779	85.6%	2.1%	12.3%	6.9%		93.1%					100.0%			100.0%	100.0%		32.0%	68.0%	
Nissan	Car	Car	2006	29.1	19.6	26.6	23.0	3525	109.8	166	201	8.7	1.197	0.0560	51.5	3252	5681	79.1%	4.9%	16.0%	6.3%		93.7%					100.0%			100.0%	100.0%		36.2%	57.3%	6.5%
Nissan	Car	Car	2007	31.6	21.3	28.5	24.9	3483	113.0	163	197	8.5	1.192	0.0555	55.7	3674	6315	81.1%	5.9%	12.9%	5.9%		24.5%	69.7%				100.0%			100.0%	100.0%	1.3%	4.6%	89.8%	5.5%
Nissan	Car	Car	2008	32.2	21.6	29.0	25.3	3463	110.4	161	196	8.5	1.198	0.0556	56.2	3640	6226	82.5%	5.4%	12.1%	4.9%		23.0%	72.1%				100.0%			100.0%	100.0%	1.2%	14.6%	82.9%	2.5%
Nissan	Car	Car	2009	33.3	22.4	29.8	26.1	3436	109.8	156	191	8.5	1.198	0.0542	57.5	3728	6328	87.1%	5.0%	7.9%	4.4%		25.4%	70.2%				100.0%			100.0%	100.0%	1.9%	13.2%	85.6%	1.1%
Nissan	Car	Car	2010	33.6	22.5	30.3	26.4	3446	110.3	158	194	8.5	1.202	0.0549	58.3	3792	6447	87.6%	4.9%	7.5%	2.6%	0.3%	23.3%	73.8%				100.0%			100.0%	100.0%	1.1%	14.9%	84.3%	0.8%
Nissan	Car	Car	2011	34.3	22.9	30.2	26.6	3437	108.9	152	191	8.6	1.253	0.0543	61.2	3943	6689	82.4%	10.3%	7.3%	2.5%		29.3%	68.2%			7.6%	91.0%			98.5%	98.5%	0.7%	22.5%	77.5%	
Nissan	Car	Car	2012	35.4	23.6	31.1	27.3	3380	110.5	148	181	8.7	1.218	0.0524	62.1	4116	6873	87.3%	7.2%	5.5%	1.8%		19.0%	79.2%			4.8%	93.8%			98.6%	98.6%	0.1%	30.2%	69.8%	
Nissan	Car	Car	2013	40.0	26.2	35.1	30.6	3416	110.9	150	188	8.5	1.272	0.0541	74.7	4950	8373	87.5%	7.2%	5.3%	1.6%		12.5%	85.9%				96.8%			96.8%	96.8%	0.0%	23.7%	76.3%	
Nissan	Car	Car	2014	40.3	26.4	35.0	30.7	3316	111.6	141	177	8.8	1.239	0.0520	69.7	4782	7820	89.9%	5.4%	4.8%	2.7%		9.4%	87.9%				98.8%			98.8%	98.8%	0.6%			
Nissan	Car	Car	2015	41.5	27.1	36.0	31.5	3344	114.4	143	175	8.8	1.223	0.0511	74.8	5157	8588	86.8%	9.3%	3.9%	2.0%		11.0%	87.0%			2.8%	94.1%			96.9%	96.9%	0.1%			
Nissan	Car	Car	2016	40.6	26.2	35.1	30.7	3357	114.4	147	183	8.7	1.242	0.0532	71.5	4929	8207	88.3%	8.1%	3.6%	1.7%		8.9%	89.4%			4.3%	94.1%			98.3%	98.3%	0.1%			
Nissan	Car	Car	2017	40.6	26.1	34.9	30.5	3417	114.4	144	182	8.7	1.265	0.0520	74.9	5070	8601	82.5%	13.7%	3.8%	2.2%		12.9%	84.9%			18.7%	78.2%			96.9%	96.9%	0.3%			

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Car	Car SUV	1975																																
Nissan	Car	Car SUV	1976																																
Nissan	Car	Car SUV	1977																																
Nissan	Car	Car SUV	1978																																
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Nissan	Car	Car SUV	1997																																
Nissan	Car	Car SUV	1998																																
Nissan	Car	Car SUV	1999																																
Nissan	Car	Car SUV	2000	20.1	14.7	17.9	16.3	4000		198	169	10.3	0.855	0.0422	40.3					100.0%	13.9%		86.1%					100.0%			4.3%					
Nissan	Car	Car SUV	2001	20.4	14.7	18.4	16.5	4000		198	169	10.2	0.856	0.0422	40.9					100.0%	10.8%		89.2%					100.0%			4.3%					
Nissan	Car	Car SUV	2002	20.7	14.8	18.5	16.6	4000		195	170	10.3	0.874	0.0424	41.5					100.0%	17.3%		82.7%					100.0%			100.0%					
Nissan	Car	Car SUV	2003	23.0	16.2	20.6	18.4	4000		205	210	8.9	1.016	0.0524	46.4			34.0%		66.0%	8.2%		57.8%	34.0%				100.0%			47.9%	42.1%				
Nissan	Car	Car SUV	2004	23.2	16.0	21.2	18.6	4051		203	210	9.0	1.030	0.0518	47.3			34.0%		66.0%	7.2%		58.9%	34.0%				100.0%			49.5%	44.1%				
Nissan	Car	Car SUV	2005	23.5	16.0	21.6	18.8	4265		224	258	7.7	1.153	0.0605	50.2			47.0%		53.0%	2.3%		50.8%	47.0%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2006	23.3	15.9	21.4	18.6	4271		226	257	7.8	1.141	0.0603	49.9			45.9%		54.1%	3.3%		50.8%	45.9%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2007	23.8	16.2	21.9	19.0	4233		225	254	7.9	1.131	0.0600	50.5			53.4%		46.6%	1.7%		44.9%	53.4%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2008	26.6	18.2	23.9	21.1	3949		191	221	8.6	1.155	0.0555	53.2			49.8%		50.2%	0.5%		49.7%	49.8%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2009	27.6	19.0	24.4	21.7	3887		194	230	7.9	1.182	0.0587	53.9			86.1%		13.9%	0.1%		13.8%	86.1%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2010	28.0	19.4	24.6	22.0	3854		186	218	8.3	1.168	0.0561	54.3			82.8%		17.2%	0.1%		17.1%	82.8%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2011	29.8	20.5	25.8	23.2	3721		176	203	8.5	1.146	0.0539	55.7			90.1%		9.9%			9.9%	90.1%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2012	30.2	20.8	26.0	23.5	3713		175	206	8.4	1.174	0.0550	56.3			90.9%		9.1%			9.1%	90.9%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2013	31.1	21.4	26.6	24.1	3646		167	193	8.7	1.144	0.0523	56.9			92.1%		7.9%			7.9%	92.1%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2014	32.5	22.2	28.0	25.1	3657		170	195	8.7	1.141	0.0529	60.2			95.3%		4.7%			4.7%	95.3%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2015	35.8	24.2	30.4	27.4	3535		155	174	9.1	1.118	0.0491	63.6			96.5%		3.5%			3.5%	96.5%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2016	37.7	25.4	32.1	28.8	3515		154	172	9.1	1.119	0.0489	66.4			98.5%		1.5%			1.5%	98.5%				100.0%			100.0%	100.0%				
Nissan	Car	Car SUV	2017	38.8	25.6	32.8	29.3	3535		153	172	9.1	1.121	0.0485	68.9			98.3%		1.7%			1.7%	98.3%			3.5%	96.5%			100.0%	100.0%	3.5%			

				Fuel Economy (MPG)				Weight	Volume	Engine								Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Car	All	1975	25.0	19.2	24.7	21.4	2606		117	113		0.957	0.0424	33.3					100.0%	78.6%	21.4%				67.7%		32.3%						100.0%		
Nissan	Car	All	1976	26.9	21.0	25.8	22.9	2568		112	107		0.946	0.0407	35.1					100.0%	74.1%	25.9%				79.0%		21.0%						100.0%		
Nissan	Car	All	1977	27.2	21.5	25.5	23.1	2555		111	106		0.948	0.0406	35.5					100.0%	72.0%	28.0%				77.6%		22.4%						100.0%		
Nissan	Car	All	1978	26.8	21.3	24.9	22.8	2534		111	105	11.9	0.941	0.0407	34.6					100.0%	71.1%	28.9%				78.8%		21.2%						100.0%		
Nissan	Car	All	1979	26.8	21.1	25.4	22.8	2494		109	85	15.4	0.772	0.0331	33.8			14.5%		85.5%	73.4%	26.6%				76.0%		24.0%						100.0%		
Nissan	Car	All	1980	31.2	24.9	29.0	26.6	2461		105	82	15.7	0.777	0.0327	38.7			19.6%		80.4%	71.8%	28.2%				71.8%		28.2%						100.0%		
Nissan	Car	All	1981	30.5	24.4	28.1	25.9	2530		113	89	15.3	0.774	0.0344	38.9			18.1%		81.9%	65.9%	19.1%	15.0%			62.7%		36.2%		1.0%				100.0%		
Nissan	Car	All	1982	30.7	24.3	28.8	26.1	2568		117	90	16.3	0.761	0.0344	40.1			44.2%		55.8%	55.9%	20.7%	23.3%			62.5%		35.0%		2.5%				100.0%		
Nissan	Car	All	1983	32.7	25.6	31.4	27.9	2516		116	90	14.5	0.759	0.0349	41.7			70.9%		29.1%	60.5%	0.8%	38.7%			68.7%		30.1%		1.2%				100.0%		
Nissan	Car	All	1984	31.9	24.8	30.9	27.2	2633		123	101	13.7	0.804	0.0373	42.6			46.1%		53.9%	59.3%	1.6%	39.1%			45.3%		53.9%		0.8%				100.0%		
Nissan	Car	All	1985	29.5	23.0	28.3	25.1	2738		128	103	13.7	0.789	0.0366	40.7			75.6%		24.4%	51.3%	0.8%	47.9%			49.5%		50.3%		0.2%				100.0%		
Nissan	Car	All	1986	29.9	23.0	29.1	25.4	2801		128	103	13.2	0.792	0.0359	42.1			72.9%	1.8%	25.3%	53.7%		46.3%			45.5%		54.5%		0.1%				89.2%	10.8%	
Nissan	Car	All	1987	29.3	22.3	28.5	24.8	2882		125	99	14.2	0.778	0.0333	42.4			90.8%	0.6%	8.6%	45.7%		54.3%			40.1%		34.3%	25.6%		2.2%			98.5%	1.5%	
Nissan	Car	All	1988	30.6	23.4	29.0	25.7	2786		118	93	14.9	0.775	0.0325	42.8			90.9%	0.5%	8.5%	49.0%		51.0%			0.5%		35.8%	63.7%		3.7%			97.6%	2.4%	
Nissan	Car	All	1989	30.2	22.8	28.9	25.3	2836		124	112	12.4	0.904	0.0390	42.9			84.6%	0.2%	15.1%	44.1%		55.9%					42.5%	57.5%		65.9%			79.3%	20.7%	
Nissan	Car	All	1990	28.4	21.1	27.5	23.8	3025		144	138	10.6	0.953	0.0447	43.0			74.9%		25.1%	40.7%		59.3%					65.2%	34.8%		75.0%	2.5%		74.1%	25.9%	
Nissan	Car	All	1991	29.0	21.3	28.3	24.2	3081		143	146	10.2	1.035	0.0467	45.0			81.4%		18.6%	34.1%		65.9%					99.3%	0.7%		75.1%	37.1%		72.8%	27.2%	
Nissan	Car	All	1992	29.9	21.8	29.0	24.9	3026		137	141	10.1	1.049	0.0461	45.7			87.2%		12.8%	33.6%		66.4%					99.8%	0.2%		85.0%	53.0%		74.7%	25.3%	
Nissan	Car	All	1993	29.1	21.1	28.3	24.2	3097		138	146	9.4	1.067	0.0466	45.3			85.8%		14.2%	24.3%		75.7%					100.0%			85.9%	40.2%		80.8%	19.2%	
Nissan	Car	All	1994	29.8	21.5	28.9	24.7	3035		135	142	9.5	1.068	0.0461	45.5			90.7%		9.3%	20.8%		79.2%					100.0%			88.3%	50.6%		83.2%	16.8%	
Nissan	Car	All	1995	29.2	20.9	28.2	24.1	3143		148	159	9.2	1.082	0.0500	46.1			89.0%		11.0%	21.5%		78.5%					100.0%			100.0%	54.9%		68.7%	31.3%	
Nissan	Car	All	1996	30.2	21.4	29.0	24.8	3121		145	156	9.6	1.091	0.0494	47.4			96.0%		4.0%	26.8%		73.2%					100.0%			100.0%	73.3%		59.8%	40.2%	
Nissan	Car	All	1997	29.6	20.8	28.6	24.2	3122		146	156	9.6	1.081	0.0494	46.4			94.8%		5.2%	12.6%		87.4%					100.0%			100.0%	64.2%		67.0%	33.0%	
Nissan	Car	All	1998	30.2	21.0	29.0	24.6	3283		146	156	10.2	1.075	0.0471	49.6			97.6%		2.4%	13.3%		86.7%					100.0%			100.0%	59.2%		66.5%	33.5%	
Nissan	Car	All	1999	29.6	20.5	28.3	24.1	3341		148	157	10.2	1.068	0.0467	49.5			98.2%		1.8%	9.8%		90.2%					100.0%			100.0%	50.1%		68.5%	31.5%	
Nissan	Car	All	2000	26.9	18.7	25.5	21.8	3444		162	183	9.0	1.129	0.0530	46.6			89.1%		10.9%	9.8%		90.2%					100.0%			90.3%	55.7%				
Nissan	Car	All	2001	27.1	18.8	25.4	21.9	3382		155	172	9.2	1.118	0.0508	46.2			88.6%		11.4%	8.1%		91.9%					100.0%			89.5%	51.5%				
Nissan	Car	All	2002	27.8	19.2	25.6	22.3	3435		168	191	8.8	1.143	0.0554	48.3			87.8%		12.2%	11.2%		88.8%					100.0%			100.0%	86.9%				
Nissan	Car	All	2003	27.2	18.6	25.1	21.8	3499		181	212	8.2	1.174	0.0605	48.0			69.8%		30.2%	11.1%		84.8%	4.1%				100.0%			93.7%	93.0%				
Nissan	Car	All	2004	27.3	18.5	25.4	21.8	3606		181	214	8.3	1.185	0.0588	49.7			66.6%	3.3%	30.1%	10.4%		84.6%	5.1%				100.0%			92.5%	91.6%				
Nissan	Car	All	2005	28.7	19.3	26.3	22.7	3592		172	203	8.5	1.177	0.0558	51.7			81.9%	1.9%	16.1%	6.5%		89.1%	4.5%				100.0%			100.0%	100.0%				
Nissan	Car	All	2006	28.4	19.2	26.0	22.5	3597		172	206	8.6	1.192	0.0565	51.4			75.8%	4.4%	19.7%	6.0%		89.6%	4.4%				100.0%			100.0%	100.0%				
Nissan	Car	All	2007	30.7	20.7	27.8	24.2	3551		169	202	8.4	1.186	0.0559	55.2			78.7%	5.4%	16.0%	5.5%		26.3%	68.2%				100.0%			100.0%	100.0%	1.2%			
Nissan	Car	All	2008	31.7	21.3	28.5	24.9	3501		163	198	8.5	1.195	0.0556	56.0			80.0%	5.0%	15.1%	4.6%		25.1%	70.3%				100.0%			100.0%	100.0%	1.1%			
Nissan	Car	All	2009	32.5	21.9	29.0	25.5	3491		160	196	8.4	1.196	0.0548	57.0			87.0%	4.4%	8.6%	3.9%		24.0%	72.1%				100.0%			100.0%	100.0%	1.7%			
Nissan	Car	All	2010	32.9	22.1	29.6	25.8	3491		161	196	8.5	1.198	0.0550	57.9			87.1%	4.4%	8.6%	2.4%	0.2%	22.6%	74.8%				100.0%			100.0%	100.0%	1.0%			
Nissan	Car	All	2011	33.6	22.6	29.6	26.1	3472		155	193	8.6	1.240	0.0542	60.6			83.3%	9.0%	7.7%	2.2%		27.0%	70.9%			6.7%	92.1%			98.7%	98.7%	0.6%			
Nissan	Car	All	2012	34.8	23.3	30.5	26.9	3414		151	184	8.7	1.213	0.0527	61.5			87.6%	6.5%	5.9%	1.6%		18.0%	80.4%			4.3%	94.4%			98.7%	98.7%	0.1%			
Nissan	Car	All	2013	38.6	25.5	33.8	29.7	3444		152	189	8.5	1.257	0.0538	72.6			88.1%	6.3%	5.6%	1.4%		12.0%	86.7%				97.2%			97.2%	97.2%	0.0%			
Nissan	Car	All	2014	39.3	25.9	34.1	30.0	3353		145	179	8.8	1.229	0.0521	68.7			90.5%	4.8%	4.8%	2.4%		8.9%	88.7%				98.9%			98.9%	98.9%	0.6%			
Nissan	Car	All	2015	40.7	26.7	35.2	31.0	3366		145	175	8.9	1.210	0.0509	73.4			87.9%	8.2%	3.9%	1.8%		10.1%	88.1%			2.4%	94.8%			97.3%	97.3%	0.1%			
Nissan	Car	All	2016	40.1	26.1	34.6	30.3	3383		148	182	8.7	1.222	0.0525	70.7			89.9%	6.8%	3.3%	1.5%		7.7%	90.8%			3.6%	95.0%			98.6%	98.6%	0.1%			
Nissan	Car	All	2017	40.4	26.1	34.7	30.4	3429		145	181	8.8	1.250	0.0517	74.3			84.1%	12.3%	3.6%	2.0%		11.8%	86.2%			17.1%	80.1%			97.2%	97.2%	0.6%			

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Truck	Van	1975																																
Nissan	Truck	Van	1976																																
Nissan	Truck	Van	1977																																
Nissan	Truck	Van	1978																																
Nissan	Truck	Van	1979																																
Nissan	Truck	Van	1980																																
Nissan	Truck	Van	1981																																
Nissan	Truck	Van	1982																																
Nissan	Truck	Van	1983																																
Nissan	Truck	Van	1984																																
Nissan	Truck	Van	1985																																
Nissan	Truck	Van	1986																																
Nissan	Truck	Van	1987	22.4	17.6	20.5	18.9	3500		146	106	15.5	0.726	0.0303	39.1					100.0%	18.0%		82.0%						100.0%								
Nissan	Truck	Van	1988	22.3	17.3	20.8	18.8	3611		146	106	16.0	0.726	0.0294	40.3					100.0%	15.3%		84.7%						100.0%								
Nissan	Truck	Van	1989	22.2	17.1	20.6	18.6	3738		146	106	15.7	0.726	0.0285	41.4					100.0%	18.0%		82.0%						100.0%								
Nissan	Truck	Van	1990	25.4	19.3	24.0	21.3	3452		146	137	11.8	0.942	0.0399	43.9			86.5%	11.9%	1.6%	27.2%		72.8%					98.4%	1.6%								
Nissan	Truck	Van	1991	26.0	19.4	24.9	21.7	3382		146	138	11.7	0.945	0.0410	44.0			99.5%	0.5%		24.2%		75.8%					100.0%								
Nissan	Truck	Van	1992	25.6	18.9	24.4	21.3	3500		146	138	11.9	0.945	0.0394	44.8			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1993	21.8	15.9	21.2	18.1	4000		181	151	11.2	0.834	0.0378	43.5			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1994	22.7	16.4	22.0	18.8	4000		181	151	11.1	0.834	0.0378	45.4			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1995	23.0	16.5	22.3	19.0	4000		181	151	11.4	0.834	0.0378	46.0			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1996	22.9	16.4	22.0	18.9	4000		181	151	11.9	0.834	0.0378	45.8			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1997	22.6	16.1	21.6	18.6	4000		181	151	11.8	0.834	0.0378	45.2			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1998	22.7	16.0	21.8	18.7	4000		181	151	12.2	0.834	0.0378	45.4			100.0%					100.0%					100.0%								
Nissan	Truck	Van	1999	23.1	15.9	22.9	19.0	4000		200	170	11.2	0.850	0.0425	46.1			100.0%					100.0%					100.0%								
Nissan	Truck	Van	2000	22.8	15.7	22.5	18.7	4000		200	170	10.7	0.850	0.0425	45.7			100.0%					100.0%					100.0%								
Nissan	Truck	Van	2001	22.6	15.5	21.9	18.4	4000		200	170	10.5	0.850	0.0425	45.1			100.0%					100.0%					100.0%								
Nissan	Truck	Van	2002	22.6	15.4	21.8	18.4	4000		200	170	10.7	0.850	0.0425	45.1			100.0%					100.0%					100.0%								
Nissan	Truck	Van	2003																																
Nissan	Truck	Van	2004	24.6	16.4	23.7	19.9	4500		214	240	9.0	1.121	0.0533	55.3			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2005	24.7	16.4	23.5	19.9	4500		214	240	8.8	1.121	0.0533	55.5			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2006	24.9	16.6	23.7	20.1	4500		214	240	9.0	1.121	0.0533	56.1			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2007	24.5	16.3	23.5	19.7	4500		214	240	8.9	1.121	0.0533	55.0			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2008	24.5	16.3	23.5	19.7	4500		214	240	8.9	1.121	0.0533	55.1			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2009	24.5	16.3	23.5	19.7	4500		214	240	8.7	1.121	0.0533	55.1			100.0%					100.0%					100.0%			100.0%	100.0%				
Nissan	Truck	Van	2010																																
Nissan	Truck	Van	2011	27.1	18.5	24.3	21.4	4500		214	260	8.1	1.215	0.0578	61.0			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2012	27.4	18.8	24.4	21.6	4500		214	265	8.0	1.241	0.0589	61.7			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2013	29.5	20.3	24.8	22.7	4172		184	221	9.1	1.186	0.0518	61.3			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2014	30.8	21.3	25.0	23.3	3949		163	189	9.9	1.138	0.0466	60.6			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2015	33.4	22.9	26.5	24.8	3744		144	162	10.6	1.108	0.0424	62.4			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2016	32.4	22.0	26.7	24.4	3935		162	187	9.9	1.136	0.0463	63.6			100.0%						100.0%				100.0%			100.0%	100.0%				
Nissan	Truck	Van	2017	33.6	23.1	26.4	24.9	3713		142	159	10.7	1.104	0.0418	62.3			100.0%						100.0%				100.0%			100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Truck	Truck SUV	1975																																	
Nissan	Truck	Truck SUV	1976																																	
Nissan	Truck	Truck SUV	1977																																	
Nissan	Truck	Truck SUV	1978																																	
Nissan	Truck	Truck SUV	1979																																	
Nissan	Truck	Truck SUV	1980																																	
Nissan	Truck	Truck SUV	1981																																	
Nissan	Truck	Truck SUV	1982																																	
Nissan	Truck	Truck SUV	1983																																	
Nissan	Truck	Truck SUV	1984																																	
Nissan	Truck	Truck SUV	1985																																	
Nissan	Truck	Truck SUV	1986																																	
Nissan	Truck	Truck SUV	1987	18.7	14.8	17.0	15.7	4000		175	134	13.8	0.766	0.0336	37.4				100.0%		52.4%		47.6%						100.0%								
Nissan	Truck	Truck SUV	1988	18.5	14.5	17.2	15.6	4000		181	140	13.4	0.773	0.0350	37.1				100.0%		45.3%		54.7%						100.0%								
Nissan	Truck	Truck SUV	1989	19.0	14.7	17.6	15.9	4000		181	145	12.5	0.801	0.0362	37.9				83.3%	16.7%	52.4%		47.6%						100.0%								
Nissan	Truck	Truck SUV	1990	19.5	14.9	18.2	16.3	4000		181	153	11.5	0.845	0.0383	39.0				91.7%	8.3%	31.5%		68.5%					100.0%									
Nissan	Truck	Truck SUV	1991	19.5	14.8	18.1	16.3	4000		181	153	11.6	0.845	0.0383	39.0				84.7%	15.3%	32.1%		67.9%					100.0%									
Nissan	Truck	Truck SUV	1992	19.6	14.8	18.2	16.3	4000		181	153	11.4	0.845	0.0383	39.2				74.9%	25.1%	32.3%		67.7%					100.0%									
Nissan	Truck	Truck SUV	1993	19.4	14.7	17.9	16.1	4304		181	153	11.1	0.845	0.0357	41.8				72.5%	27.5%	29.2%		70.8%					100.0%									
Nissan	Truck	Truck SUV	1994	18.6	14.1	16.9	15.4	4352		181	153	11.2	0.845	0.0353	40.4				100.0%		23.2%		76.8%					100.0%									
Nissan	Truck	Truck SUV	1995	19.1	14.2	17.4	15.7	4204		181	153	11.2	0.845	0.0365	40.0				70.9%	29.1%	29.8%		70.2%					100.0%									
Nissan	Truck	Truck SUV	1996	19.8	14.7	18.0	16.3	4000		200	168	10.7	0.840	0.0420	39.7				71.3%	28.7%	21.7%		78.3%					100.0%									
Nissan	Truck	Truck SUV	1997	19.6	14.4	18.0	16.1	4399		200	168	11.3	0.840	0.0383	43.1				79.7%	20.3%	11.1%		88.9%					100.0%									
Nissan	Truck	Truck SUV	1998	19.5	14.2	17.9	15.9	4398		200	168	11.7	0.840	0.0383	42.9				79.6%	20.4%	6.7%		93.3%					100.0%									
Nissan	Truck	Truck SUV	1999	19.5	14.2	17.9	15.9	4338		200	169	11.5	0.843	0.0390	42.4				67.5%	32.5%	4.2%		95.8%					100.0%									
Nissan	Truck	Truck SUV	2000	19.3	14.0	17.4	15.7	4423		200	170	11.1	0.849	0.0385	42.8				84.6%	15.4%	8.1%		91.9%					100.0%									
Nissan	Truck	Truck SUV	2001	19.7	14.2	17.6	15.9	4392		210	221	9.3	1.046	0.0504	43.2				72.7%	27.3%	6.0%		94.0%					100.0%				71.9%	71.9%				
Nissan	Truck	Truck SUV	2002	19.5	14.0	17.5	15.7	4422		208	214	9.7	1.026	0.0485	43.2				81.2%	18.8%	6.7%		93.3%					100.0%				97.4%	58.8%				
Nissan	Truck	Truck SUV	2003	21.3	14.9	19.4	17.1	4345		213	236	8.8	1.103	0.0545	46.5				86.4%	13.6%	2.0%		76.6%	21.3%				100.0%				75.8%	75.8%				
Nissan	Truck	Truck SUV	2004	19.6	13.5	18.3	15.9	4942		280	271	8.5	0.986	0.0549	48.4				70.6%	29.4%	1.3%		85.3%	13.4%				100.0%				85.9%	85.9%				
Nissan	Truck	Truck SUV	2005	20.7	14.1	19.6	16.7	4852		255	274	8.1	1.093	0.0569	50.3				75.3%	24.7%	1.1%		80.6%	18.2%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2006	20.9	14.1	19.7	16.9	4881		255	273	8.2	1.086	0.0562	51.1				69.8%	30.2%	1.7%		75.9%	22.4%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2007	21.9	14.9	20.4	17.6	4777		246	266	8.3	1.099	0.0561	52.4				78.0%	22.0%	1.3%		60.9%	37.8%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2008	22.3	15.2	20.8	18.0	4782		238	269	8.6	1.133	0.0556	53.8				73.2%	26.8%	0.5%		72.5%	27.0%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2009	25.4	17.5	22.6	20.1	4346		208	240	8.4	1.162	0.0551	55.3				95.3%	4.7%	0.2%		25.8%	74.0%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2010	24.0	16.5	21.8	19.1	4558		225	244	8.6	1.111	0.0534	55.0				85.1%	14.9%	0.6%		44.2%	55.1%				100.0%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2011	24.9	17.1	22.4	19.8	4553		220	244	8.7	1.118	0.0529	57.0				85.6%	14.4%	0.7%		43.3%	56.0%			7.9%	92.1%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2012	24.7	16.9	22.5	19.7	4564		221	248	8.6	1.133	0.0536	56.8				84.4%	15.6%	0.6%		44.7%	54.6%			8.5%	91.5%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2013	27.5	18.9	24.3	21.6	4346		203	237	8.6	1.169	0.0540	59.9			17.4%	79.1%	3.5%	0.2%		13.8%	86.0%			3.2%	96.8%				100.0%	100.0%				
Nissan	Truck	Truck SUV	2014	28.2	19.2	25.2	22.2	4459		208	245	8.4	1.180	0.0544	63.8			18.9%	76.5%	4.6%	1.5%		12.3%	86.1%			5.8%	94.2%				100.0%	100.0%	2.3%			
Nissan	Truck	Truck SUV	2015	30.3	20.3	26.6	23.5	4368		197	228	8.9	1.155	0.0514	67.3			17.5%	78.3%	4.1%	1.1%		11.9%	87.0%			5.1%	94.9%				100.0%	100.0%	0.1%			
Nissan	Truck	Truck SUV	2016	33.2	22.2	28.9	25.6	4267		179	207	9.4	1.148	0.0477	71.5			10.6%	87.2%	2.2%			6.6%	93.4%			5.5%	94.5%				100.0%	100.0%	0.0%			
Nissan	Truck	Truck SUV	2017	31.5	21.1	28.0	24.6	4392		191	234	8.8	1.213	0.0524	70.0			17.3%	79.3%	3.4%			8.4%	91.6%			50.2%	49.8%				100.0%	100.0%	2.6%			

				Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Truck	Pickup	1975	23.6	18.0	23.5	20.1	2750		119	107		0.901	0.0390	32.5					100.0%	90.0%	10.0%				100.0%										
Nissan	Truck	Pickup	1976	24.5	19.1	23.7	20.9	2750		119	109		0.917	0.0397	33.8					100.0%	90.0%	10.0%				100.0%										
Nissan	Truck	Pickup	1977	25.0	19.5	24.0	21.3	2750		119	109		0.914	0.0396	34.4					100.0%	85.4%	14.6%				100.0%										
Nissan	Truck	Pickup	1978	25.6	20.7	23.1	21.7	2786		119	107	12.1	0.899	0.0385	35.7					100.0%	87.6%	12.4%				100.0%										
Nissan	Truck	Pickup	1979	23.2	18.4	21.6	19.7	2781		119	92	15.1	0.773	0.0332	32.4					100.0%	88.5%	11.5%				100.0%										
Nissan	Truck	Pickup	1980	25.1	20.3	22.7	21.3	2830		119	92	15.4	0.770	0.0325	35.8				14.2%	85.8%	91.9%	8.1%				100.0%										
Nissan	Truck	Pickup	1981	27.7	22.3	25.3	23.6	2893		133	92	15.6	0.693	0.0320	40.9				28.0%	72.0%	94.6%	5.4%				84.0%				16.0%						
Nissan	Truck	Pickup	1982	27.8	22.5	25.1	23.6	2894		133	91	16.9	0.685	0.0317	40.9				24.2%	75.8%	94.5%	5.5%				81.2%				18.8%						
Nissan	Truck	Pickup	1983	27.4	21.8	25.4	23.3	3041		141	100	14.4	0.716	0.0332	42.0				24.5%	75.5%	95.6%	1.0%	3.4%			97.5%				2.5%						
Nissan	Truck	Pickup	1984	26.2	20.9	24.4	22.3	3156		145	103	14.4	0.709	0.0327	41.7				31.2%	68.8%	91.2%		8.8%			99.7%				0.3%						
Nissan	Truck	Pickup	1985	25.7	20.5	23.6	21.8	3137		146	103	14.2	0.705	0.0330	40.3				26.3%	73.7%	86.7%		13.3%			100.0%				0.0%						
Nissan	Truck	Pickup	1986	24.7	19.4	23.2	20.9	3229		151	109	13.2	0.725	0.0340	39.9				25.3%	74.7%	87.2%		12.8%			35.6%			64.4%							
Nissan	Truck	Pickup	1987	25.1	19.3	24.0	21.2	3169		151	111	13.2	0.733	0.0351	39.9				14.6%	85.4%	79.5%		20.5%						100.0%							
Nissan	Truck	Pickup	1988	24.7	19.2	22.9	20.8	3239		151	112	13.6	0.738	0.0347	40.1				23.8%	76.2%	79.3%		20.7%						100.0%							
Nissan	Truck	Pickup	1989	24.8	18.9	23.3	20.8	3239		152	113	13.0	0.739	0.0348	40.2				25.1%	74.9%	79.9%		20.1%						100.0%							
Nissan	Truck	Pickup	1990	27.1	20.8	25.0	22.7	3167		149	135	10.6	0.905	0.0429	43.1				18.1%	81.9%	84.0%		16.0%					100.0%									
Nissan	Truck	Pickup	1991	26.9	20.5	24.8	22.4	3203		149	135	10.8	0.905	0.0424	43.1				20.6%	79.4%	78.4%		21.6%					100.0%									
Nissan	Truck	Pickup	1992	26.7	20.2	24.6	22.2	3229		150	135	10.6	0.903	0.0423	43.3				22.4%	77.6%	78.3%		21.7%					100.0%									
Nissan	Truck	Pickup	1993	26.4	19.8	24.2	21.8	3257		150	136	9.9	0.910	0.0421	43.2				22.3%	77.7%	76.5%		23.5%					100.0%									
Nissan	Truck	Pickup	1994	25.6	19.1	23.3	21.0	3333		152	137	9.9	0.906	0.0417	42.7				29.0%	71.0%	77.7%		22.3%					100.0%									
Nissan	Truck	Pickup	1995	24.9	18.6	22.4	20.4	3365		153	138	10.2	0.903	0.0415	42.0				25.3%	74.7%	76.6%		23.4%					100.0%									
Nissan	Truck	Pickup	1996	25.2	18.7	22.5	20.5	3355		146	134	10.9	0.918	0.0404	42.2				18.0%	82.0%	76.8%		23.2%					100.0%			100.0%						
Nissan	Truck	Pickup	1997	24.9	18.5	22.1	20.2	3350		146	134	10.8	0.918	0.0405	41.7				20.8%	79.2%	79.6%		20.4%					100.0%			100.0%						
Nissan	Truck	Pickup	1998	25.5	18.7	22.7	20.6	3604		146	142	11.2	0.973	0.0396	46.1				24.6%	75.4%	74.2%		25.8%					100.0%			100.0%						
Nissan	Truck	Pickup	1999	23.3	17.0	20.6	18.8	3788		166	152	11.2	0.923	0.0401	44.3				38.9%	61.1%	48.2%		51.8%					100.0%			62.9%						
Nissan	Truck	Pickup	2000	21.8	15.9	19.4	17.6	3918		177	158	10.7	0.903	0.0405	43.1				25.4%	74.6%	33.7%		66.3%					100.0%			41.8%						
Nissan	Truck	Pickup	2001	22.2	16.1	19.7	17.9	3880		178	161	10.3	0.916	0.0416	43.5				21.9%	78.1%	33.4%		66.6%					100.0%			41.7%						
Nissan	Truck	Pickup	2002	22.0	15.8	19.4	17.6	3944		179	163	10.5	0.915	0.0413	43.6				24.3%	75.7%	28.6%		71.4%					100.0%			100.0%						
Nissan	Truck	Pickup	2003	22.4	15.9	19.8	17.9	3945		182	170	10.2	0.939	0.0431	44.3				28.1%	71.9%	28.3%		71.7%					100.0%			32.7%						
Nissan	Truck	Pickup	2004	23.2	16.2	20.8	18.5	3870		177	166	10.3	0.940	0.0427	45.1				23.7%	76.3%	29.5%		70.5%					100.0%			42.4%						
Nissan	Truck	Pickup	2005	19.4	13.3	18.0	15.7	4895		290	281	8.1	0.984	0.0573	47.5				41.7%	58.3%	7.3%		92.7%					100.0%			100.0%	94.7%					
Nissan	Truck	Pickup	2006	19.8	13.6	18.3	15.9	4811		280	272	8.3	0.989	0.0563	47.6				35.6%	64.4%	9.1%		90.9%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2007	20.1	13.8	18.5	16.2	4771		270	266	8.5	0.998	0.0554	48.0				34.8%	65.2%	9.0%		91.0%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2008	19.4	13.3	18.2	15.7	5140		291	344	7.8	1.165	0.0658	49.7				38.2%	61.8%	4.5%		95.5%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2009	20.3	14.0	18.8	16.4	4926		270	270	8.4	1.011	0.0546	50.0				42.4%	57.6%	6.9%		93.1%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2010	20.4	14.0	18.9	16.4	4943		269	270	8.5	1.012	0.0544	50.3				49.7%	50.3%	4.6%		95.4%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2011	20.4	14.0	19.0	16.5	4905		270	272	8.4	1.018	0.0554	49.9				54.5%	45.5%	4.5%		95.5%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2012	20.6	14.2	19.1	16.6	4839		266	273	8.3	1.038	0.0566	49.7				53.6%	46.4%	5.2%		94.8%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2013	22.3	15.2	20.8	17.9	4666		244	249	8.8	1.029	0.0531	52.0				44.3%	55.7%	5.8%		94.2%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2014	22.2	15.1	20.7	17.8	4689		246	252	8.8	1.030	0.0535	51.9				45.1%	54.9%	2.6%		97.4%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2015	22.5	15.3	21.0	18.1	4635		241	248	8.8	1.033	0.0531	52.1				44.1%	55.9%	5.6%		94.4%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2016	23.4	15.9	21.8	18.8	4455		227	241	8.8	1.056	0.0538	52.1				41.5%	58.5%	3.6%		96.4%					100.0%			100.0%	100.0%					
Nissan	Truck	Pickup	2017	23.0	15.7	21.4	18.5	5191		280	311	8.0	1.097	0.0588	59.6				45.0%	55.0%	3.3%		96.7%				47.5%	52.5%			100.0%	100.0%					

				Fuel Economy (MPG)				Weight	Volume	Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	Truck	All	1975	23.6	18.0	23.5	20.1	2750		119	107		0.901	0.0390	32.5					100.0%	90.0%	10.0%				100.0%										
Nissan	Truck	All	1976	24.5	19.1	23.7	20.9	2750		119	109		0.917	0.0397	33.8					100.0%	90.0%	10.0%				100.0%										
Nissan	Truck	All	1977	25.0	19.5	24.0	21.3	2750		119	109		0.914	0.0396	34.4					100.0%	85.4%	14.6%				100.0%										
Nissan	Truck	All	1978	25.6	20.7	23.1	21.7	2786		119	107	12.1	0.899	0.0385	35.7					100.0%	87.6%	12.4%				100.0%										
Nissan	Truck	All	1979	23.2	18.4	21.6	19.7	2781		119	92	15.1	0.773	0.0332	32.4					100.0%	88.5%	11.5%				100.0%										
Nissan	Truck	All	1980	25.1	20.3	22.7	21.3	2830		119	92	15.4	0.770	0.0325	35.8				14.2%	85.8%	91.9%	8.1%				100.0%										
Nissan	Truck	All	1981	27.7	22.3	25.3	23.6	2893		133	92	15.6	0.693	0.0320	40.9				28.0%	72.0%	94.6%	5.4%				84.0%				16.0%						
Nissan	Truck	All	1982	27.8	22.5	25.1	23.6	2894		133	91	16.9	0.685	0.0317	40.9				24.2%	75.8%	94.5%	5.5%				81.2%				18.8%						
Nissan	Truck	All	1983	27.4	21.8	25.4	23.3	3041		141	100	14.4	0.716	0.0332	42.0				24.5%	75.5%	95.6%	1.0%	3.4%			97.5%				2.5%						
Nissan	Truck	All	1984	26.2	20.9	24.4	22.3	3156		145	103	14.4	0.709	0.0327	41.7				31.2%	68.8%	91.2%		8.8%			99.7%				0.3%						
Nissan	Truck	All	1985	25.7	20.5	23.6	21.8	3137		146	103	14.2	0.705	0.0330	40.3				26.3%	73.7%	86.7%		13.3%			100.0%				0.0%						
Nissan	Truck	All	1986	24.7	19.4	23.2	20.9	3229		151	109	13.2	0.725	0.0340	39.9				25.3%	74.7%	87.2%		12.8%			35.6%			64.4%							
Nissan	Truck	All	1987	23.5	18.3	22.1	19.9	3338		154	114	13.5	0.738	0.0343	39.4				27.2%	72.8%	69.1%		30.9%						100.0%							
Nissan	Truck	All	1988	22.7	17.7	21.1	19.1	3444		158	118	13.7	0.745	0.0344	39.4				40.2%	59.8%	67.0%		33.0%						100.0%							
Nissan	Truck	All	1989	23.7	18.2	22.2	19.9	3352		156	117	12.9	0.748	0.0350	39.8				33.7%	66.3%	75.7%		24.3%						100.0%							
Nissan	Truck	All	1990	25.3	19.4	23.5	21.2	3335		154	138	10.8	0.899	0.0418	42.5			8.9%	29.7%	61.4%	69.5%		30.5%					99.8%	0.2%							
Nissan	Truck	All	1991	24.8	18.8	22.9	20.6	3383		156	139	11.0	0.892	0.0415	42.2			0.1%	35.1%	64.8%	67.9%		32.1%					100.0%								
Nissan	Truck	All	1992	24.0	18.1	22.1	19.9	3476		160	141	10.8	0.885	0.0410	42.0			0.1%	39.2%	60.7%	63.5%		36.5%					100.0%								
Nissan	Truck	All	1993	23.7	17.8	22.0	19.7	3603		161	142	10.4	0.885	0.0400	42.9			14.1%	30.8%	55.2%	54.8%		45.2%					100.0%								
Nissan	Truck	All	1994	22.9	17.1	21.2	18.9	3718		165	144	10.5	0.876	0.0393	42.8			22.5%	38.8%	38.7%	47.7%		52.3%					100.0%								
Nissan	Truck	All	1995	22.4	16.6	20.6	18.5	3741		167	145	10.7	0.872	0.0393	42.2			19.0%	34.4%	46.6%	47.8%		52.2%					100.0%								
Nissan	Truck	All	1996	22.9	16.9	20.9	18.7	3694		170	148	11.0	0.876	0.0402	42.4			24.4%	28.6%	47.0%	42.6%		57.4%					100.0%			47.5%					
Nissan	Truck	All	1997	22.3	16.4	20.4	18.3	3841		172	149	11.2	0.875	0.0392	42.8			18.4%	37.8%	43.8%	40.7%		59.3%					100.0%			46.2%					
Nissan	Truck	All	1998	22.3	16.2	20.3	18.2	3985		173	154	11.5	0.899	0.0388	44.6			13.4%	44.1%	42.5%	36.4%		63.6%					100.0%			45.3%					
Nissan	Truck	All	1999	21.2	15.2	19.6	17.3	4112		191	164	11.4	0.866	0.0401	43.8			23.7%	43.9%	32.3%	14.9%		85.1%					100.0%			16.7%					
Nissan	Truck	All	2000	20.9	15.1	19.0	17.0	4121		189	165	10.8	0.874	0.0401	43.4			15.3%	43.8%	40.8%	18.9%		81.1%					100.0%			19.6%					
Nissan	Truck	All	2001	20.7	14.9	18.6	16.7	4181		198	196	9.8	0.983	0.0467	43.5			10.2%	48.4%	41.4%	14.5%		85.5%					100.0%			54.5%	40.6%				
Nissan	Truck	All	2002	20.7	14.8	18.5	16.6	4199		196	190	10.1	0.967	0.0452	43.5			9.0%	51.9%	39.1%	14.6%		85.4%					100.0%			89.7%	30.7%				
Nissan	Truck	All	2003	21.6	15.2	19.5	17.4	4217		203	215	9.2	1.051	0.0509	45.8				67.8%	32.2%	10.4%		75.0%	14.5%				100.0%			62.0%	51.6%				
Nissan	Truck	All	2004	20.9	14.4	19.4	16.8	4671		250	246	8.9	0.999	0.0524	48.9			15.6%	50.8%	33.6%	6.4%		84.8%	8.8%				100.0%			79.9%	71.9%				
Nissan	Truck	All	2005	20.5	14.0	19.3	16.6	4835		264	273	8.2	1.057	0.0567	49.8			9.0%	56.6%	34.3%	3.2%		86.7%	10.1%				100.0%			100.0%	98.1%				
Nissan	Truck	All	2006	20.6	14.1	19.3	16.6	4829		262	270	8.3	1.051	0.0560	50.1			6.6%	52.0%	41.4%	4.5%		83.3%	12.2%				100.0%			100.0%	100.0%				
Nissan	Truck	All	2007	21.5	14.7	20.0	17.3	4743		250	263	8.4	1.067	0.0555	51.2			11.7%	54.0%	34.3%	3.8%		75.8%	20.4%				100.0%			100.0%	100.0%				
Nissan	Truck	All	2008	21.4	14.5	20.0	17.2	4884		255	292	8.4	1.143	0.0589	52.5			6.8%	56.4%	36.8%	1.9%		82.1%	16.0%				100.0%			100.0%	100.0%				
Nissan	Truck	All	2009	24.2	16.6	21.8	19.2	4464		220	246	8.4	1.132	0.0549	54.3			4.1%	81.3%	14.7%	1.5%		41.7%	56.8%				100.0%			100.0%	100.0%				
Nissan	Truck	All	2010	22.8	15.7	20.9	18.2	4672		238	252	8.6	1.082	0.0537	53.6				74.6%	25.4%	1.8%		59.4%	38.8%				100.0%			100.0%	100.0%				
Nissan	Truck	All	2011	23.8	16.3	21.6	19.0	4632		232	252	8.6	1.100	0.0538	55.6			5.3%	73.9%	20.9%	1.5%		53.1%	45.4%			5.7%	94.3%			100.0%	100.0%				
Nissan	Truck	All	2012	23.5	16.1	21.5	18.8	4642		234	256	8.5	1.112	0.0548	55.0			6.4%	69.8%	23.7%	1.9%		56.7%	41.3%			5.4%	94.6%			100.0%	100.0%				
Nissan	Truck	All	2013	26.5	18.2	23.6	20.9	4394		209	239	8.6	1.145	0.0537	58.6			18.2%	69.4%	12.4%	1.1%		27.1%	71.7%			2.5%	97.5%			100.0%	100.0%				
Nissan	Truck	All	2014	26.9	18.3	24.1	21.2	4480		214	244	8.6	1.148	0.0538	61.3			19.1%	66.5%	14.3%	1.7%		28.6%	69.7%			4.4%	95.6%			100.0%	100.0%	1.7%			
Nissan	Truck	All	2015	29.0	19.6	25.5	22.6	4341		198	224	9.0	1.131	0.0507	64.3			23.9%	64.3%	11.8%	1.7%		23.5%	74.8%			3.8%	96.2%			100.0%	100.0%	0.1%			
Nissan	Truck	All	2016	30.1	20.2	26.6	23.4	4299		190	215	9.2	1.125	0.0492	66.3			12.0%	71.9%	16.1%	0.9%		28.6%	70.5%			3.9%	96.1%			100.0%	100.0%	0.0%			
Nissan	Truck	All	2017	28.9	19.5	25.9	22.7	4557		211	249	8.7	1.178	0.0535	66.9			17.5%	66.2%	16.3%	0.8%		30.3%	68.8%			46.7%	53.3%			100.0%	100.0%	1.8%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Nissan	All	All	1975	24.7	18.9	24.4	21.1	2640		118	112		0.944	0.0416	33.1					100.0%	81.3%	18.7%				75.3%		24.7%								
Nissan	All	All	1976	26.3	20.5	25.3	22.4	2610		114	107		0.939	0.0405	34.8					100.0%	77.7%	22.3%				83.8%		16.2%								
Nissan	All	All	1977	26.7	21.0	25.2	22.7	2595		112	106		0.941	0.0404	35.3					100.0%	74.8%	25.2%				82.2%		17.8%								
Nissan	All	All	1978	26.5	21.2	24.5	22.6	2580		112	106	11.9	0.933	0.0403	34.8					100.0%	74.2%	25.8%				82.7%		17.3%								
Nissan	All	All	1979	26.2	20.6	24.7	22.3	2541		111	86	15.3	0.772	0.0331	33.6			12.1%		87.9%	75.9%	24.1%				79.9%		20.1%								
Nissan	All	All	1980	29.8	23.9	27.5	25.4	2531		107	84	15.6	0.776	0.0327	38.2			15.9%	2.7%	81.4%	75.6%	24.4%				77.1%		22.9%								
Nissan	All	All	1981	30.0	24.0	27.6	25.5	2596		116	90	15.4	0.759	0.0340	39.3			14.8%	5.1%	80.1%	71.1%	16.6%	12.3%			66.6%		29.6%		3.8%						
Nissan	All	All	1982	30.0	23.9	27.9	25.5	2637		120	90	16.4	0.745	0.0338	40.2			34.8%	5.1%	60.1%	64.1%	17.5%	18.4%			66.4%		27.6%		6.0%						
Nissan	All	All	1983	31.7	24.9	30.2	27.0	2603		120	91	14.5	0.751	0.0347	41.8			59.1%	4.1%	36.8%	66.3%	0.8%	32.8%			73.5%		25.1%		1.4%						
Nissan	All	All	1984	30.5	23.8	29.2	26.0	2748		128	101	13.9	0.783	0.0363	42.4			36.0%	6.9%	57.2%	66.3%	1.2%	32.4%			57.3%		42.0%		0.7%						
Nissan	All	All	1985	28.4	22.3	26.9	24.1	2845		133	103	13.9	0.767	0.0356	40.6			55.3%	7.0%	37.6%	60.8%	0.6%	38.7%			63.0%		36.8%		0.1%						
Nissan	All	All	1986	27.5	21.3	26.3	23.3	2981		137	106	13.2	0.764	0.0351	41.1			42.2%	11.7%	46.1%	67.8%		32.2%			41.3%		31.5%	27.1%	0.0%						
Nissan	All	All	1987	27.8	21.3	26.8	23.5	2984		131	102	14.1	0.769	0.0336	41.7			70.6%	6.5%	22.9%	50.9%		49.1%			31.2%		26.6%	42.2%							
Nissan	All	All	1988	28.1	21.6	26.5	23.6	2955		128	100	14.6	0.767	0.0330	41.9			67.6%	10.7%	21.7%	53.7%		46.3%			0.4%		26.6%	73.0%							
Nissan	All	All	1989	28.4	21.5	27.0	23.8	2956		132	113	12.5	0.868	0.0381	42.2			64.9%	8.0%	27.1%	51.5%		48.5%					32.6%	67.4%							
Nissan	All	All	1990	27.5	20.6	26.3	23.0	3109		147	138	10.6	0.938	0.0439	42.9			56.9%	8.1%	35.0%	48.6%		51.4%					74.7%	25.3%			1.8%				
Nissan	All	All	1991	27.6	20.5	26.5	23.0	3170		147	144	10.5	0.993	0.0452	44.2			57.5%	10.3%	32.2%	44.1%		55.9%					99.5%	0.5%			26.2%				
Nissan	All	All	1992	28.2	20.8	27.0	23.5	3132		142	141	10.3	1.011	0.0449	44.8			66.7%	9.2%	24.1%	40.6%		59.4%					99.9%	0.1%			40.5%				
Nissan	All	All	1993	27.1	19.9	25.9	22.5	3261		146	145	9.7	1.008	0.0445	44.5			62.5%	10.0%	27.5%	34.2%		65.8%					100.0%				27.2%				
Nissan	All	All	1994	27.3	19.9	25.9	22.5	3249		144	143	9.8	1.008	0.0440	44.7			69.3%	12.2%	18.5%	29.3%		70.7%					100.0%			60.6%	34.7%				
Nissan	All	All	1995	26.1	19.0	24.6	21.5	3381		156	153	9.8	0.999	0.0457	44.6			61.2%	13.7%	25.2%	32.0%		68.0%					100.0%			60.3%	33.1%				
Nissan	All	All	1996	27.7	19.9	26.2	22.8	3280		152	154	10.0	1.032	0.0469	46.0			76.2%	7.9%	15.9%	31.1%		68.9%					100.0%			85.5%	53.1%				
Nissan	All	All	1997	26.6	19.0	25.0	21.7	3375		155	154	10.2	1.009	0.0458	45.2			67.9%	13.3%	18.8%	22.5%		77.5%					100.0%			81.1%	41.6%				
Nissan	All	All	1998	27.1	19.2	25.5	22.1	3510		155	155	10.6	1.018	0.0444	48.0			70.4%	14.2%	15.4%	20.7%		79.3%					100.0%			82.4%	40.1%				
Nissan	All	All	1999	26.5	18.6	25.0	21.6	3570		161	159	10.6	1.008	0.0447	47.8			76.1%	13.0%	10.9%	11.3%		88.7%					100.0%			75.2%	35.2%				
Nissan	All	All	2000	24.3	17.1	22.6	19.7	3701		172	176	9.7	1.033	0.0481	45.4			61.1%	16.6%	22.3%	13.2%		86.8%					100.0%			63.5%	34.6%				
Nissan	All	All	2001	24.1	17.0	22.1	19.4	3710		173	182	9.4	1.062	0.0491	45.1			56.4%	19.8%	23.7%	10.7%		89.3%					100.0%			75.1%	47.0%				
Nissan	All	All	2002	25.0	17.5	22.8	20.1	3680		177	191	9.2	1.086	0.0521	46.7			62.5%	16.7%	20.8%	12.3%		87.7%					100.0%			96.7%	68.8%				
Nissan	All	All	2003	25.4	17.5	23.3	20.4	3694		187	213	8.5	1.140	0.0579	47.4			50.8%	18.4%	30.7%	10.9%		82.1%	6.9%				100.0%			85.1%	81.8%				
Nissan	All	All	2004	24.1	16.5	22.4	19.4	4058		210	228	8.6	1.106	0.0561	49.3			45.0%	23.4%	31.6%	8.7%		84.7%	6.7%				100.0%			87.1%	83.3%				
Nissan	All	All	2005	25.1	17.0	23.3	20.1	4034		204	228	8.4	1.134	0.0561	51.0			56.0%	21.4%	22.6%	5.3%		88.2%	6.5%				100.0%			100.0%	99.3%				
Nissan	All	All	2006	25.0	17.0	23.1	20.0	4037		204	229	8.5	1.142	0.0563	50.9			51.1%	21.4%	27.5%	5.4%		87.3%	7.2%				100.0%			100.0%	100.0%				
Nissan	All	All	2007	26.8	18.1	24.5	21.3	3959		197	223	8.4	1.145	0.0558	53.8			55.7%	22.0%	22.2%	4.9%		43.3%	51.8%				100.0%			100.0%	100.0%	0.8%			
Nissan	All	All	2008	27.6	18.6	25.2	21.9	3926		191	227	8.5	1.179	0.0566	54.9			57.4%	20.8%	21.8%	3.7%		42.6%	53.6%				100.0%			100.0%	100.0%	0.8%			
Nissan	All	All	2009	29.9	20.3	26.8	23.6	3730		175	208	8.4	1.180	0.0548	56.4			66.6%	23.3%	10.1%	3.3%		28.3%	68.4%				100.0%			100.0%	100.0%	1.3%			
Nissan	All	All	2010	29.4	19.9	26.5	23.2	3815		182	212	8.5	1.166	0.0547	56.7			63.2%	23.6%	13.2%	2.2%	0.2%	32.7%	64.9%				100.0%			100.0%	100.0%	0.7%			
Nissan	All	All	2011	29.8	20.2	26.5	23.3	3835		179	211	8.6	1.196	0.0541	59.0			58.9%	29.4%	11.8%	2.0%		35.2%	62.9%			6.4%	92.8%			99.1%	99.1%	0.4%			
Nissan	All	All	2012	30.8	20.8	27.4	24.1	3746		174	203	8.6	1.185	0.0533	59.7			65.7%	23.6%	10.7%	1.7%		28.5%	69.8%			4.6%	94.5%			99.1%	99.1%	0.1%			
Nissan	All	All	2013	34.1	22.8	30.1	26.5	3718		169	203	8.5	1.224	0.0538	68.6			67.9%	24.5%	7.6%	1.3%		16.3%	82.3%			0.7%	97.2%			98.0%	98.0%	0.0%			
Nissan	All	All	2014	34.6	23.1	30.4	26.7	3684		165	198	8.7	1.205	0.0526	66.5			69.5%	22.9%	7.6%	2.2%		14.7%	83.1%			1.3%	97.9%			99.2%	99.2%	0.9%			
Nissan	All	All	2015	36.5	24.2	31.8	28.0	3643		160	189	8.9	1.187	0.0508	70.9			69.8%	24.1%	6.1%	1.8%		13.9%	84.3%			2.8%	95.2%			98.0%	98.0%	0.1%			
Nissan	All	All	2016	36.5	24.0	31.8	27.9	3655		160	191	8.9	1.193	0.0515	69.4			66.8%	26.1%	7.1%	1.3%		13.9%	84.8%			3.7%	95.3%			99.0%	99.0%	0.1%			
Nissan	All	All	2017	36.6	23.9	31.9	27.9	3722		163	199	8.8	1.230	0.0521	72.4			66.8%	26.3%	6.9%	1.7%		16.6%	81.7%			24.8%	73.1%			97.9%	97.9%	0.9%			

				Fuel Economy (MPG)														Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Car	Car	1975																																
Kia	Car	Car	1976																																
Kia	Car	Car	1977																																
Kia	Car	Car	1978																																
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Kia	Car	Car	1989																																
Kia	Car	Car	1990																																
Kia	Car	Car	1991																																
Kia	Car	Car	1992																																
Kia	Car	Car	1993	31.7	23.4	29.5	26.1	2750	103.9	98	82	13.3	0.837	0.0298	43.6	3293	4527	100.0%					100.0%					100.0%			100.0%			100.0%		
Kia	Car	Car	1994	32.9	24.4	30.0	26.9	2750	103.9	98	88	12.1	0.898	0.0320	45.3	3425	4710	100.0%			48.1%		51.9%					100.0%			100.0%			100.0%		
Kia	Car	Car	1995	31.0	22.3	29.4	25.4	2750	101.3	102	99	11.6	0.970	0.0360	42.7	3147	4328	100.0%			35.8%		64.2%					100.0%			100.0%			100.0%		
Kia	Car	Car	1996	28.9	20.7	27.3	23.7	2750	103.9	111	121	10.5	1.088	0.0441	39.8	3010	4139	100.0%			29.3%		70.7%					100.0%			100.0%			100.0%		
Kia	Car	Car	1997	30.8	21.8	29.1	25.1	2750	103.9	111	121	10.4	1.088	0.0440	42.4	3202	4403	100.0%			34.6%		65.4%					100.0%			100.0%			100.0%		
Kia	Car	Car	1998	30.7	21.4	29.4	25.0	2750	104.4	109	125	10.6	1.147	0.0455	42.2	3204	4405	100.0%			23.1%		76.9%					100.0%			100.0%			100.0%		
Kia	Car	Car	1999	30.7	21.3	29.3	24.9	2750	104.4	109	125	10.5	1.147	0.0455	42.2	3207	4409	100.0%			25.5%		74.5%					100.0%			100.0%			100.0%		
Kia	Car	Car	2000	29.8	20.3	28.8	24.2	2750	104.9	109	125	10.1	1.147	0.0455	40.9	3123	4293	100.0%			26.1%		73.9%					100.0%			100.0%			100.0%		
Kia	Car	Car	2001	30.3	20.9	28.1	24.3	2777	105.1	108	118	10.5	1.088	0.0422	41.9	3193	4412	100.0%			24.3%		75.7%					100.0%			100.0%			84.2%	15.8%	
Kia	Car	Car	2002	29.4	20.2	27.1	23.5	2997	108.0	110	119	11.1	1.087	0.0396	44.1	3200	4764	100.0%			20.0%		80.0%					100.0%			100.0%			82.4%	17.6%	
Kia	Car	Car	2003	30.1	20.3	28.2	24.0	3005	106.4	113	123	10.7	1.100	0.0409	45.2	3213	4813	100.0%			19.9%		80.1%					100.0%			100.0%			83.2%	16.8%	
Kia	Car	Car	2004	28.9	19.2	27.4	23.1	3257	111.6	136	140	10.3	1.037	0.0426	47.1	3250	5257	100.0%			13.3%		86.7%					100.0%			100.0%	40.1%		31.2%	57.3%	11.5%
Kia	Car	Car	2005	29.2	19.3	27.7	23.3	3239	112.7	139	142	10.1	1.042	0.0436	47.3	3329	5341	100.0%			12.2%		87.8%					100.0%			100.0%	59.4%		19.7%	63.2%	17.1%
Kia	Car	Car	2006	32.4	21.4	30.3	25.7	3135	112.8	129	140	10.1	1.091	0.0443	51.0	3697	5752	100.0%			12.9%		87.1%					100.0%			100.0%	95.1%		20.4%	74.7%	4.9%
Kia	Car	Car	2007	33.0	21.9	30.4	26.0	3215	117.9	131	146	10.1	1.114	0.0450	53.0	3901	6248	100.0%			7.0%		93.0%					100.0%			100.0%	18.7%		18.7%	78.7%	2.6%
Kia	Car	Car	2008	33.3	22.1	30.6	26.2	3224	117.4	130	146	10.1	1.115	0.0448	53.6	3920	6299	100.0%			9.2%		90.8%					100.0%			100.0%			20.7%	77.3%	2.0%
Kia	Car	Car	2009	34.8	23.2	31.5	27.3	3114	115.5	124	142	10.0	1.143	0.0452	54.2	4026	6258	100.0%			6.8%		93.2%					100.0%			100.0%	38.8%		26.4%	73.0%	0.6%
Kia	Car	Car	2010	36.1	24.2	32.0	28.1	3040	114.9	124	151	9.5	1.211	0.0494	54.9	4152	6302	100.0%			9.2%		90.8%					100.0%			100.0%	100.0%		87.8%	12.2%	
Kia	Car	Car	2011	36.6	24.4	31.8	28.1	3124	118.8	126	162	9.1	1.282	0.0513	57.4	4356	6799	100.0%			7.7%	1.4%	90.9%				26.3%	73.7%			100.0%	100.0%	1.4%	53.2%	46.8%	
Kia	Car	Car	2012	36.7	24.5	32.2	28.4	3166	117.6	124	174	8.4	1.406	0.0547	58.7	4337	6873	100.0%			5.0%	4.1%	90.8%				52.6%	47.4%			100.0%	100.0%	4.1%	44.2%	55.8%	
Kia	Car	Car	2013	36.9	24.6	32.4	28.5	3191	117.4	124	175	8.4	1.424	0.0546	59.4	4353	6951	100.0%			4.0%	3.4%	92.7%				70.8%	29.2%			100.0%	100.0%	3.4%	46.8%	53.2%	
Kia	Car	Car	2014	35.5	23.4	31.9	27.6	3197	117.7	124	172	8.6	1.388	0.0533	57.1	4205	6700	100.0%			3.1%	2.6%	94.3%				84.7%	15.3%			100.0%	100.0%	2.6%	44.0%	50.1%	5.8%
Kia	Car	Car	2015	35.6	23.4	32.1	27.6	3264	118.2	128	176	8.5	1.382	0.0533	58.7	4253	6914	99.2%		0.8%	3.2%	2.3%	94.4%				85.3%	14.5%			99.8%	99.8%	2.2%	35.8%	60.3%	3.9%
Kia	Car	Car	2016	37.6	24.8	33.1	28.9	3154	119.1	119	162	8.8	1.374	0.0512	60.5	4548	7194	99.8%		0.2%	3.9%	3.0%	93.1%				81.8%	17.6%			99.4%	99.4%	1.2%	48.4%	19.5%	32.1%
Kia	Car	Car	2017	40.3	26.8	34.5	30.7	3216	118.0	123	160	8.7	1.316	0.0497	68.2	4969	8043	99.8%		0.2%	2.4%	13.9%	83.7%				71.0%	28.1%			99.1%	99.1%	8.8%	40.9%	33.5%	25.6%

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Car	Car SUV	1975																																	
Kia	Car	Car SUV	1976																																	
Kia	Car	Car SUV	1977																																	
Kia	Car	Car SUV	1978																																	
Kia	Car	Car SUV	1979																																	
Kia	Car	Car SUV	1980																																	
Kia	Car	Car SUV	1981																																	
Kia	Car	Car SUV	1982																																	
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Kia	Car	Car SUV	1990																																	
Kia	Car	Car SUV	1991																																	
Kia	Car	Car SUV	1992																																	
Kia	Car	Car SUV	1993																																	
Kia	Car	Car SUV	1994																																	
Kia	Car	Car SUV	1995	25.6	18.8	23.5	21.0	3500		122	94	13.2	0.770	0.0269	44.7			100.0%			100.0%							100.0%									
Kia	Car	Car SUV	1996	24.9	18.4	22.4	20.3	3500		122	130	11.2	1.066	0.0371	43.5					100.0%	100.0%							100.0%			100.0%						
Kia	Car	Car SUV	1997	23.3	17.5	20.4	18.9	3500		122	130	11.8	1.066	0.0371	40.8					100.0%	33.8%		66.2%					100.0%			100.0%						
Kia	Car	Car SUV	1998	24.4	17.9	21.7	19.7	3500		122	130	12.2	1.066	0.0371	42.7					100.0%	28.7%		71.3%					100.0%			100.0%						
Kia	Car	Car SUV	1999	24.4	17.8	21.6	19.7	3500		122	130	12.2	1.066	0.0371	42.7					100.0%	20.2%		79.8%					100.0%			100.0%						
Kia	Car	Car SUV	2000	23.3	17.1	20.4	18.7	3500		122	130	11.7	1.066	0.0371	40.9					100.0%	18.4%		81.6%					100.0%			100.0%						
Kia	Car	Car SUV	2001	22.9	16.6	20.1	18.4	3500		122	130	11.6	1.066	0.0371	40.1					100.0%	17.0%		83.0%					100.0%			100.0%						
Kia	Car	Car SUV	2002	23.1	16.7	20.2	18.4	3500		122	130	11.7	1.066	0.0371	40.5					100.0%	19.2%		80.8%					100.0%			100.0%						
Kia	Car	Car SUV	2003																																	
Kia	Car	Car SUV	2004																																	
Kia	Car	Car SUV	2005	26.2	17.9	23.7	20.8	3851		150	163	10.4	1.097	0.0423	50.4			100.0%			7.7%		92.3%					100.0%			100.0%						
Kia	Car	Car SUV	2006	26.4	18.0	23.8	20.9	3815		146	161	10.6	1.104	0.0420	50.3			100.0%			8.4%		91.6%					100.0%			100.0%	37.0%					
Kia	Car	Car SUV	2007	25.2	17.2	22.9	20.0	3963		169	191	9.9	1.136	0.0474	49.9			63.0%		37.0%	4.4%		95.6%					100.0%			100.0%	44.4%					
Kia	Car	Car SUV	2008	25.1	17.1	23.0	20.0	4050		168	197	9.9	1.170	0.0478	50.7			49.7%		50.3%	2.2%		97.8%					100.0%			100.0%	92.6%					
Kia	Car	Car SUV	2009	26.1	18.0	23.1	20.6	3989		168	196	9.7	1.164	0.0482	51.9			58.7%		41.3%	3.0%		97.0%					100.0%			100.0%	63.4%					
Kia	Car	Car SUV	2010	28.7	20.0	24.6	22.4	3543		126	143	11.1	1.140	0.0403	50.8			99.7%		0.3%	3.4%		96.6%					100.0%			100.0%	91.9%					
Kia	Car	Car SUV	2011	31.0	20.8	27.7	24.2	3923		163	202	8.9	1.231	0.0514	60.8			96.1%	3.9%	0.0%	2.3%		97.7%					1.1%	98.9%		100.0%	100.0%					
Kia	Car	Car SUV	2012	30.4	20.3	27.5	23.9	3974		166	211	8.8	1.270	0.0528	60.4			73.9%	26.1%		0.5%		99.5%					36.3%	63.7%		100.0%	100.0%					
Kia	Car	Car SUV	2013	30.3	20.3	27.5	23.8	3978		167	213	8.7	1.275	0.0534	60.3			72.8%	27.2%		0.0%		100.0%					35.8%	64.2%		100.0%	100.0%					
Kia	Car	Car SUV	2014	28.6	19.3	25.2	22.2	3999		162	219	8.6	1.339	0.0545	57.3			67.5%	32.5%				100.0%					100.0%			100.0%	100.0%					
Kia	Car	Car SUV	2015	28.7	19.4	25.9	22.6	3970		162	217	8.6	1.331	0.0544	57.0			69.8%	30.2%				100.0%					100.0%			100.0%	100.0%					
Kia	Car	Car SUV	2016	30.5	20.6	27.3	23.9	3884		142	193	9.0	1.374	0.0499	59.3			75.7%	24.3%				100.0%					100.0%			100.0%	100.0%					
Kia	Car	Car SUV	2017	31.9	21.5	28.2	24.9	3785		144	189	9.0	1.324	0.0500	60.4			85.0%	15.0%				100.0%					100.0%			100.0%	100.0%					

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Car	All	1975																																	
Kia	Car	All	1976																																	
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Kia	Car	All	1978																																	
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Kia	Car	All	1991																																	
Kia	Car	All	1992																																	
Kia	Car	All	1993	31.7	23.4	29.5	26.1	2750		98	82	13.3	0.837	0.0298	43.6			100.0%					100.0%				100.0%				100.0%			100.0%		
Kia	Car	All	1994	32.9	24.4	30.0	26.9	2750		98	88	12.1	0.898	0.0320	45.3			100.0%			48.1%		51.9%				100.0%				100.0%			100.0%		
Kia	Car	All	1995	30.9	22.2	29.3	25.4	2761		102	99	11.7	0.967	0.0358	42.8			100.0%			36.8%		63.2%				100.0%				98.5%					
Kia	Car	All	1996	28.6	20.5	26.9	23.4	2798		112	122	10.5	1.087	0.0436	40.1			93.6%		6.4%	33.8%		66.2%				100.0%				100.0%					
Kia	Car	All	1997	29.1	20.9	27.1	23.7	2882		113	122	10.7	1.084	0.0428	42.1			82.4%		17.6%	34.5%		65.5%				100.0%				100.0%					
Kia	Car	All	1998	29.5	20.8	27.9	24.0	2864		111	126	10.8	1.134	0.0442	42.3			84.8%		15.2%	24.0%		76.0%				100.0%				100.0%					
Kia	Car	All	1999	29.3	20.5	27.5	23.7	2889		111	126	10.9	1.132	0.0439	42.3			81.4%		18.6%	24.5%		75.5%				100.0%				100.0%					
Kia	Car	All	2000	27.9	19.4	26.2	22.6	2932		112	126	10.5	1.127	0.0434	40.9			75.8%		24.2%	24.3%		75.7%				100.0%				100.0%					
Kia	Car	All	2001	28.9	20.1	26.5	23.2	2885		110	120	10.7	1.085	0.0415	41.7			85.1%		14.9%	23.2%		76.8%				100.0%				100.0%					
Kia	Car	All	2002	28.4	19.7	25.9	22.7	3064		112	121	11.2	1.084	0.0392	43.6			86.5%		13.5%	19.9%		80.1%				100.0%				100.0%					
Kia	Car	All	2003	30.1	20.3	28.2	24.0	3005		113	123	10.7	1.100	0.0409	45.2			100.0%			19.9%		80.1%				100.0%				100.0%			83.2%	16.8%	
Kia	Car	All	2004	28.9	19.2	27.4	23.1	3257		136	140	10.3	1.037	0.0426	47.1			100.0%			13.3%		86.7%				100.0%				100.0%	40.1%		31.2%	57.3%	11.5%
Kia	Car	All	2005	28.9	19.1	27.3	23.0	3300		140	144	10.1	1.047	0.0434	47.6			100.0%			11.8%		88.2%				100.0%				100.0%	53.5%				
Kia	Car	All	2006	31.4	20.8	29.2	24.9	3229		131	143	10.1	1.093	0.0440	50.9			100.0%			12.3%		87.7%				100.0%				100.0%	87.1%				
Kia	Car	All	2007	30.7	20.6	28.2	24.3	3390		140	156	10.0	1.119	0.0456	52.3			91.3%		8.7%	6.4%		93.6%				100.0%				100.0%	24.8%				
Kia	Car	All	2008	30.9	20.6	28.3	24.4	3420		139	158	10.0	1.128	0.0455	52.9			88.1%		11.9%	7.5%		92.5%				100.0%				100.0%	22.0%				
Kia	Car	All	2009	32.6	21.9	29.3	25.6	3292		133	153	9.9	1.147	0.0458	53.8			91.6%		8.4%	6.0%		94.0%				100.0%				100.0%	43.8%				
Kia	Car	All	2010	35.8	24.1	31.7	27.9	3054		124	150	9.5	1.209	0.0492	54.8			100.0%		0.0%	9.1%		90.9%				100.0%				100.0%	99.8%				
Kia	Car	All	2011	34.2	22.9	30.1	26.5	3428		140	177	9.0	1.263	0.0513	58.7			98.5%	1.5%	0.0%	5.6%	0.9%	93.5%				16.7%	83.3%			100.0%	100.0%	0.9%			
Kia	Car	All	2012	34.5	23.0	30.6	26.8	3411		137	185	8.5	1.365	0.0541	59.2			92.1%	7.9%		3.7%	2.9%	93.5%				47.7%	52.3%			100.0%	100.0%	2.9%			
Kia	Car	All	2013	35.3	23.5	31.2	27.4	3356		133	183	8.5	1.393	0.0543	59.6			94.3%	5.7%		3.2%	2.7%	94.2%				63.4%	36.6%			100.0%	100.0%	2.7%			
Kia	Car	All	2014	33.4	22.2	29.8	26.0	3406		134	184	8.6	1.376	0.0536	57.1			91.6%	8.4%		2.3%	1.9%	95.8%				88.7%	11.3%			100.0%	100.0%	1.9%			
Kia	Car	All	2015	34.0	22.5	30.7	26.5	3400		134	184	8.5	1.372	0.0535	58.3			93.5%	5.8%	0.7%	2.6%	1.9%	95.5%				88.1%	11.7%			99.9%	99.9%	1.7%			
Kia	Car	All	2016	36.1	23.9	31.9	27.9	3279		123	168	8.8	1.374	0.0510	60.3			95.7%	4.2%	0.1%	3.2%	2.5%	94.3%				84.9%	14.6%			99.5%	99.5%	1.0%			
Kia	Car	All	2017	38.3	25.6	33.0	29.3	3329		127	166	8.8	1.318	0.0497	66.6			96.8%	3.0%	0.2%	1.9%	11.2%	86.9%				76.7%	22.6%			99.3%	99.3%	7.1%			

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Truck	Van	1975																																
Kia	Truck	Van	1976																																
Kia	Truck	Van	1977																																
Kia	Truck	Van	1978																																
Kia	Truck	Van	1979																																
Kia	Truck	Van	1980																																
Kia	Truck	Van	1981																																
Kia	Truck	Van	1982																																
Kia	Truck	Van	1983																																
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Kia	Truck	Van	1997																																
Kia	Truck	Van	1998																																
Kia	Truck	Van	1999																																
Kia	Truck	Van	2000																																
Kia	Truck	Van	2001																																
Kia	Truck	Van	2002	20.0	14.0	18.7	16.2	5000		213	193	10.8	0.906	0.0386	50.0			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2003	20.0	13.9	18.6	16.2	5000		213	193	10.7	0.906	0.0386	50.0			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2004	21.1	14.1	20.8	17.3	5000		213	195	10.6	0.915	0.0390	52.9			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2005	21.3	14.2	20.7	17.3	5000		213	195	10.6	0.915	0.0390	53.3			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2006	23.8	15.9	22.7	19.2	4500		231	244	8.7	1.056	0.0542	53.5			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2007	23.8	15.9	22.7	19.2	4500		231	244	8.8	1.056	0.0542	53.5			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2008	23.8	15.9	22.7	19.2	4500		231	244	8.8	1.056	0.0542	53.5			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2009	23.8	15.9	22.7	19.2	4500		231	250	8.5	1.082	0.0556	53.5			100.0%					100.0%				100.0%			100.0%						
Kia	Truck	Van	2010	24.7	16.6	23.3	19.8	4500		232	250	8.6	1.078	0.0556	55.6			100.0%					100.0%				100.0%			100.0%	100.0%					
Kia	Truck	Van	2011	26.8	18.1	24.5	21.3	4500		214	271	8.0	1.269	0.0602	60.3			100.0%					100.0%				100.0%			100.0%	100.0%					
Kia	Truck	Van	2012	26.8	18.1	24.5	21.3	4500		214	271	8.0	1.269	0.0602	60.3			100.0%					100.0%				100.0%			100.0%	100.0%					
Kia	Truck	Van	2013																																
Kia	Truck	Van	2014	25.4	17.2	23.4	20.2	4500		214	269	8.0	1.259	0.0598	57.1			100.0%					100.0%					100.0%			100.0%	100.0%				
Kia	Truck	Van	2015	26.2	17.7	24.0	20.8	4558		201	276	8.0	1.371	0.0606	59.7			100.0%					100.0%					100.0%			100.0%	100.0%				
Kia	Truck	Van	2016	26.3	17.8	24.1	20.9	4529		201	276	7.9	1.371	0.0610	59.5			100.0%					100.0%					100.0%			100.0%	100.0%				
Kia	Truck	Van	2017	26.2	17.7	24.0	20.8	4555		201	276	8.0	1.371	0.0607	59.6			100.0%					100.0%					100.0%			100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Truck	Truck SUV	1975																																	
Kia	Truck	Truck SUV	1976																																	
Kia	Truck	Truck SUV	1977																																	
Kia	Truck	Truck SUV	1978																																	
Kia	Truck	Truck SUV	1979																																	
Kia	Truck	Truck SUV	1980																																	
Kia	Truck	Truck SUV	1981																																	
Kia	Truck	Truck SUV	1982																																	
Kia	Truck	Truck SUV	1983																																	
Kia	Truck	Truck SUV	1984																																	
Kia	Truck	Truck SUV	1985																																	
Kia	Truck	Truck SUV	1986																																	
Kia	Truck	Truck SUV	1987																																	
Kia	Truck	Truck SUV	1988																																	
Kia	Truck	Truck SUV	1989																																	
Kia	Truck	Truck SUV	1990																																	
Kia	Truck	Truck SUV	1991																																	
Kia	Truck	Truck SUV	1992																																	
Kia	Truck	Truck SUV	1993																																	
Kia	Truck	Truck SUV	1994																																	
Kia	Truck	Truck SUV	1995	24.3	18.1	22.1	19.9	3500		122	110	12.7	0.903	0.0315	42.6				100.0%		60.7%		39.3%				100.0%				52.1%					
Kia	Truck	Truck SUV	1996	23.0	17.2	20.5	18.8	3500		122	130	12.1	1.066	0.0371	40.3				100.0%		28.9%		71.1%				100.0%				100.0%					
Kia	Truck	Truck SUV	1997	24.0	17.8	21.4	19.5	3500		122	130	12.0	1.066	0.0371	42.0				100.0%		37.2%		62.8%				100.0%				100.0%					
Kia	Truck	Truck SUV	1998	24.4	17.9	21.7	19.7	3500		122	130	12.4	1.066	0.0371	42.7				100.0%		27.6%		72.4%				100.0%				100.0%					
Kia	Truck	Truck SUV	1999	24.4	17.8	21.6	19.7	3500		122	130	12.4	1.066	0.0371	42.7				100.0%		27.3%		72.7%				100.0%				100.0%					
Kia	Truck	Truck SUV	2000	23.6	17.3	20.5	18.9	3500		122	130	11.9	1.066	0.0371	41.3				100.0%		25.2%		74.8%				100.0%				100.0%					
Kia	Truck	Truck SUV	2001	22.9	16.6	20.2	18.4	3500		122	130	11.7	1.066	0.0371	40.2				100.0%		20.4%		79.6%				100.0%				100.0%					
Kia	Truck	Truck SUV	2002	23.3	16.8	20.3	18.6	3500		122	130	11.9	1.066	0.0371	40.8				100.0%		26.0%		74.0%				100.0%				100.0%					
Kia	Truck	Truck SUV	2003	19.3	13.6	17.8	15.6	4500		213	192	10.2	0.901	0.0427	43.6				53.8%	46.2%			100.0%				100.0%				100.0%					
Kia	Truck	Truck SUV	2004	19.9	14.0	18.0	16.0	4500		213	192	10.2	0.901	0.0427	44.9				52.7%	47.3%	8.2%		91.8%				100.0%				100.0%					
Kia	Truck	Truck SUV	2005	20.7	14.1	19.5	16.7	4428		206	189	9.9	0.926	0.0427	46.0				53.5%	46.5%	7.5%		92.5%				100.0%				100.0%					
Kia	Truck	Truck SUV	2006	21.1	14.3	19.8	17.0	4389		201	187	10.1	0.939	0.0427	46.4				53.4%	46.6%	6.9%		93.1%				100.0%				100.0%	1.0%				
Kia	Truck	Truck SUV	2007	23.2	16.0	20.9	18.5	4245		194	216	9.5	1.104	0.0503	49.2				100.0%		3.5%		96.5%				100.0%				100.0%	3.5%				
Kia	Truck	Truck SUV	2008	23.4	16.0	21.3	18.7	4239		184	208	9.8	1.127	0.0488	49.5				100.0%		2.6%		97.4%				100.0%				100.0%	89.2%				
Kia	Truck	Truck SUV	2009	24.3	16.7	22.0	19.4	4245		189	215	9.4	1.129	0.0502	51.7				100.0%		2.0%		98.0%				100.0%				100.0%	24.7%				
Kia	Truck	Truck SUV	2010	25.7	17.9	22.5	20.3	4000		164	173	10.6	1.050	0.0431	51.4				100.0%		1.4%		98.6%				100.0%				100.0%	1.4%				
Kia	Truck	Truck SUV	2011	29.1	19.8	25.8	22.8	4056		169	212	9.0	1.251	0.0518	58.9				100.0%				100.0%				2.2%	97.8%			100.0%	100.0%				
Kia	Truck	Truck SUV	2012	29.5	20.0	26.8	23.4	3541		144	183	9.1	1.279	0.0515	52.2				100.0%				100.0%				8.3%	91.7%			100.0%	100.0%				
Kia	Truck	Truck SUV	2013	29.5	20.0	26.8	23.4	3542		144	183	9.1	1.279	0.0515	52.3				100.0%				100.0%				8.4%	91.6%			100.0%	100.0%				
Kia	Truck	Truck SUV	2014	28.6	19.4	25.6	22.5	3567		143	192	8.8	1.362	0.0537	50.9				100.0%				100.0%				100.0%				100.0%	100.0%				
Kia	Truck	Truck SUV	2015	28.8	19.5	25.8	22.6	3507		146	183	9.0	1.256	0.0522	50.5				100.0%				100.0%				100.0%				100.0%	100.0%				
Kia	Truck	Truck SUV	2016	27.6	18.5	25.5	21.9	4225		180	250	8.2	1.376	0.0587	58.3			40.6%	59.4%				100.0%				100.0%				100.0%	100.0%				
Kia	Truck	Truck SUV	2017	27.8	18.9	24.8	21.9	4255		173	239	8.5	1.376	0.0557	59.1			24.1%	75.9%				100.0%				100.0%				100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	Truck	All	1975																																	
Kia	Truck	All	1976																																	
Kia	Truck	All	1977																																	
Kia	Truck	All	1978																																	
Kia	Truck	All	1979																																	
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Kia	Truck	All	1991																																	
Kia	Truck	All	1992																																	
Kia	Truck	All	1993																																	
Kia	Truck	All	1994																																	
Kia	Truck	All	1995	24.3	18.1	22.1	19.9	3500		122	110	12.7	0.903	0.0315	42.6				100.0%		60.7%		39.3%				100.0%				52.1%					
Kia	Truck	All	1996	23.0	17.2	20.5	18.8	3500		122	130	12.1	1.066	0.0371	40.3				100.0%		28.9%		71.1%				100.0%				100.0%					
Kia	Truck	All	1997	24.0	17.8	21.4	19.5	3500		122	130	12.0	1.066	0.0371	42.0				100.0%		37.2%		62.8%				100.0%				100.0%					
Kia	Truck	All	1998	24.4	17.9	21.7	19.7	3500		122	130	12.4	1.066	0.0371	42.7				100.0%		27.6%		72.4%				100.0%				100.0%					
Kia	Truck	All	1999	24.4	17.8	21.6	19.7	3500		122	130	12.4	1.066	0.0371	42.7				100.0%		27.3%		72.7%				100.0%				100.0%					
Kia	Truck	All	2000	23.6	17.3	20.5	18.9	3500		122	130	11.9	1.066	0.0371	41.3				100.0%		25.2%		74.8%				100.0%				100.0%					
Kia	Truck	All	2001	22.9	16.6	20.2	18.4	3500		122	130	11.7	1.066	0.0371	40.2				100.0%		20.4%		79.6%				100.0%				100.0%					
Kia	Truck	All	2002	20.9	14.8	19.1	16.9	4532		185	173	11.1	0.956	0.0381	47.1			68.8%	31.2%		8.1%		91.9%				100.0%				100.0%					
Kia	Truck	All	2003	19.7	13.8	18.2	15.9	4773		213	193	10.5	0.904	0.0404	47.1			54.6%	24.4%	21.0%			100.0%				100.0%				100.0%					
Kia	Truck	All	2004	20.6	14.1	19.4	16.6	4764		213	194	10.4	0.909	0.0407	49.1			52.9%	24.9%	22.3%	3.9%		96.1%				100.0%				100.0%					
Kia	Truck	All	2005	21.0	14.1	20.1	17.0	4733		210	192	10.3	0.920	0.0407	49.9			53.3%	25.0%	21.7%	3.5%		96.5%				100.0%				100.0%					
Kia	Truck	All	2006	22.1	15.0	20.9	17.9	4436		214	211	9.5	0.989	0.0476	49.4			42.2%	30.9%	27.0%	4.0%		96.0%				100.0%				100.0%	0.6%				
Kia	Truck	All	2007	23.6	15.9	22.1	18.9	4423		220	235	9.0	1.071	0.0530	52.2			69.8%	30.2%		1.1%		98.9%				100.0%				100.0%	1.1%				
Kia	Truck	All	2008	23.6	15.9	22.1	19.0	4393		212	229	9.2	1.085	0.0520	51.9			59.1%	40.9%		1.1%		98.9%				100.0%				100.0%	36.5%				
Kia	Truck	All	2009	24.1	16.4	22.3	19.3	4359		208	231	9.0	1.108	0.0526	52.5			44.5%	55.5%		1.1%		98.9%				100.0%				100.0%	13.7%				
Kia	Truck	All	2010	25.0	16.9	23.1	20.0	4362		213	229	9.1	1.070	0.0521	54.5			72.4%	27.6%		0.4%		99.6%				100.0%				100.0%	72.8%				
Kia	Truck	All	2011	28.6	19.5	25.5	22.5	4141		178	223	8.8	1.254	0.0534	59.2			19.0%	81.0%				100.0%				1.8%	98.2%			100.0%	100.0%				
Kia	Truck	All	2012	27.6	18.7	25.2	21.9	4203		192	244	8.3	1.272	0.0575	57.8			69.0%	31.0%				100.0%				2.6%	97.4%			100.0%	100.0%				
Kia	Truck	All	2013	29.5	20.0	26.8	23.4	3542		144	183	9.1	1.279	0.0515	52.3				100.0%				100.0%				8.4%	91.6%			100.0%	100.0%				
Kia	Truck	All	2014	26.9	18.2	24.5	21.3	4020		177	230	8.4	1.312	0.0567	53.9			48.5%	51.5%				100.0%				51.5%	48.5%			100.0%	100.0%				
Kia	Truck	All	2015	27.2	18.4	24.7	21.5	4124		179	238	8.4	1.323	0.0571	55.9			58.7%	41.3%				100.0%				100.0%				100.0%	100.0%				
Kia	Truck	All	2016	27.2	18.2	25.1	21.6	4322		187	258	8.1	1.374	0.0594	58.7			59.5%	40.5%				100.0%				100.0%				100.0%	100.0%				
Kia	Truck	All	2017	27.2	18.5	24.5	21.5	4363		183	253	8.3	1.374	0.0575	59.3			51.3%	48.7%				100.0%				100.0%				100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Kia	All	All	1975																																	
Kia	All	All	1976																																	
Kia	All	All	1977																																	
Kia	All	All	1978																																	
Kia	All	All	1979																																	
Kia	All	All	1980																																	
Kia	All	All	1981																																	
Kia	All	All	1982																																	
Kia	All	All	1983																																	
Kia	All	All	1984																																	
Kia	All	All	1985																																	
Kia	All	All	1986																																	
Kia	All	All	1987																																	
Kia	All	All	1988																																	
Kia	All	All	1989																																	
Kia	All	All	1990																																	
Kia	All	All	1991																																	
Kia	All	All	1992																																	
Kia	All	All	1993	31.7	23.4	29.5	26.1	2750		98	82	13.3	0.837	0.0298	43.6			100.0%					100.0%					100.0%			100.0%			100.0%			100.0%		
Kia	All	All	1994	32.9	24.4	30.0	26.9	2750		98	88	12.1	0.898	0.0320	45.3			100.0%			48.1%		51.9%					100.0%			100.0%			100.0%			100.0%		
Kia	All	All	1995	28.3	20.7	26.4	23.3	3006		109	103	12.0	0.946	0.0344	42.7			66.9%	33.1%		44.7%		55.3%					100.0%			83.1%							
Kia	All	All	1996	27.3	19.8	25.4	22.4	2932		114	123	10.8	1.083	0.0424	40.1			75.8%	19.1%	5.1%	32.9%		67.1%					100.0%			100.0%							
Kia	All	All	1997	27.8	20.1	25.6	22.7	3016		115	124	10.9	1.080	0.0415	42.1			64.5%	21.7%	13.8%	35.1%		64.9%					100.0%			100.0%							
Kia	All	All	1998	28.0	20.0	26.0	22.8	3024		114	127	11.2	1.117	0.0424	42.4			63.4%	25.2%	11.4%	24.9%		75.1%					100.0%			100.0%							
Kia	All	All	1999	27.8	19.7	25.6	22.5	3051		114	127	11.3	1.114	0.0421	42.4			59.9%	26.4%	13.7%	25.3%		74.7%					100.0%			100.0%							
Kia	All	All	2000	26.9	18.9	24.8	21.7	3048		114	127	10.8	1.115	0.0422	41.0			60.3%	20.4%	19.3%	24.4%		75.6%					100.0%			100.0%							
Kia	All	All	2001	27.9	19.5	25.4	22.4	2972		112	121	10.8	1.082	0.0409	41.5			73.0%	14.2%	12.8%	22.8%		77.2%					100.0%			100.0%							
Kia	All	All	2002	25.7	18.0	23.5	20.7	3483		132	136	11.2	1.048	0.0389	44.6			81.5%	8.9%	9.6%	16.5%		83.5%					100.0%			100.0%							
Kia	All	All	2003	24.8	17.0	23.1	19.9	3721		153	151	10.6	1.021	0.0407	45.9			81.6%	9.9%	8.5%	11.8%		88.2%					100.0%			100.0%							
Kia	All	All	2004	25.1	16.9	23.7	20.2	3822		165	160	10.3	0.989	0.0419	47.8			82.3%	9.3%	8.4%	9.8%		90.2%					100.0%			100.0%	25.1%						
Kia	All	All	2005	24.4	16.3	23.2	19.6	4005		174	168	10.2	0.985	0.0421	48.7			77.0%	12.3%	10.7%	7.7%		92.3%					100.0%			100.0%	27.2%						
Kia	All	All	2006	27.0	18.1	25.3	21.6	3698		163	169	9.9	1.052	0.0454	50.3			77.5%	12.0%	10.5%	9.1%		90.9%					100.0%			100.0%	53.5%						
Kia	All	All	2007	28.3	19.0	26.1	22.5	3686		163	179	9.7	1.105	0.0477	52.3			85.2%	8.6%	6.2%	4.9%		95.1%					100.0%			100.0%	18.0%						
Kia	All	All	2008	28.8	19.3	26.6	22.9	3647		156	175	9.9	1.118	0.0470	52.7			81.3%	9.6%	9.1%	6.0%		94.0%					100.0%			100.0%	25.4%						
Kia	All	All	2009	30.7	20.7	27.8	24.2	3481		146	167	9.7	1.140	0.0470	53.5			83.2%	9.8%	6.9%	5.1%		94.9%					100.0%			100.0%	38.5%						
Kia	All	All	2010	34.5	23.2	30.7	27.0	3169		132	157	9.5	1.197	0.0494	54.8			97.6%	2.4%	0.0%	8.3%		91.7%					100.0%			100.0%	97.4%						
Kia	All	All	2011	33.0	22.1	29.1	25.6	3563		147	186	9.0	1.261	0.0517	58.8			83.4%	16.6%	0.0%	4.6%	0.7%	94.7%				13.9%	86.1%			100.0%	100.0%	0.7%					
Kia	All	All	2012	33.7	22.5	30.0	26.2	3490		142	191	8.5	1.356	0.0544	59.1			89.8%	10.2%		3.3%	2.6%	94.1%				43.2%	56.8%			100.0%	100.0%	2.6%					
Kia	All	All	2013	35.1	23.4	31.1	27.2	3361		133	183	8.5	1.390	0.0542	59.4			91.7%	8.3%		3.1%	2.6%	94.3%				62.0%	38.0%			100.0%	100.0%	2.6%					
Kia	All	All	2014	33.0	21.9	29.5	25.7	3438		136	187	8.6	1.372	0.0538	57.0			89.3%	10.7%		2.1%	1.8%	96.0%				86.7%	13.3%			100.0%	100.0%	1.8%					
Kia	All	All	2015	33.4	22.1	30.1	26.1	3453		138	187	8.5	1.369	0.0538	58.2			91.0%	8.4%	0.6%	2.4%	1.8%	95.8%				89.0%	10.9%			99.9%	99.9%	1.6%					
Kia	All	All	2016	33.7	22.4	30.1	26.2	3508		137	187	8.7	1.374	0.0528	60.0			87.8%	12.1%	0.1%	2.5%	1.9%	95.5%				88.2%	11.4%			99.6%	99.6%	0.7%					
Kia	All	All	2017	35.6	23.9	31.0	27.5	3521		137	182	8.7	1.328	0.0512	65.3			88.4%	11.5%	0.2%	1.5%	9.1%	89.4%				81.0%	18.4%			99.4%	99.4%	5.8%					

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	Car	Car	1975																																	
Hyundai	Car	Car	1976																																	
Hyundai	Car	Car	1977																																	
Hyundai	Car	Car	1978																																	
Hyundai	Car	Car	1979																																	
Hyundai	Car	Car	1980																																	
Hyundai	Car	Car	1981																																	
Hyundai	Car	Car	1982																																	
Hyundai	Car	Car	1983																																	
Hyundai	Car	Car	1984																																	
Hyundai	Car	Car	1985																																	
Hyundai	Car	Car	1986	34.9	27.9	31.6	29.5	2500	94.2	90	68	16.0	0.756	0.0272	43.7	3296	4120	100.0%			74.6%	25.4%				100.0%								100.0%		
Hyundai	Car	Car	1987	34.5	27.5	30.9	29.0	2500	94.2	90	68	16.4	0.756	0.0272	43.2	3259	4073	100.0%			63.3%		36.7%			100.0%					100.0%			100.0%		
Hyundai	Car	Car	1988	34.3	27.2	30.5	28.7	2500	94.2	90	68	16.7	0.756	0.0272	43.0	3240	4050	100.0%			59.5%		40.5%			100.0%					100.0%			100.0%		
Hyundai	Car	Car	1989	33.1	25.2	31.3	27.8	2580	97.4	99	75	15.6	0.758	0.0287	42.9	3239	4170	100.0%			47.1%		52.9%			84.0%		16.0%						84.0%	16.0%	
Hyundai	Car	Car	1990	33.1	25.2	30.7	27.6	2636	99.1	103	89	12.9	0.873	0.0335	43.8	3310	4335	100.0%			42.1%	6.0%	51.9%					100.0%						78.9%	21.1%	
Hyundai	Car	Car	1991	32.7	24.6	30.4	27.1	2632	99.1	103	89	13.1	0.877	0.0335	43.2	3268	4272	100.0%			39.1%	7.8%	53.2%					100.0%						81.5%	18.5%	
Hyundai	Car	Car	1992	31.1	23.0	29.3	25.7	2776	100.0	102	99	12.4	0.982	0.0353	43.2	3139	4323	100.0%			36.4%	8.4%	55.2%					100.0%			24.7%			85.3%	14.7%	
Hyundai	Car	Car	1993	31.0	23.0	28.9	25.6	2790	101.0	105	104	11.3	0.991	0.0370	43.4	3167	4384	100.0%			33.7%	7.0%	59.3%					100.0%			52.6%			85.4%	14.6%	
Hyundai	Car	Car	1994	32.7	23.8	30.8	26.9	2666	98.9	98	98	11.3	0.992	0.0365	43.8	3268	4329	100.0%			40.8%	1.1%	58.2%					100.0%			98.9%			98.2%	1.8%	
Hyundai	Car	Car	1995	30.9	22.1	29.5	25.4	2813	103.8	110	112	11.2	1.031	0.0396	43.7	3262	4535	100.0%			29.8%		70.2%					100.0%			89.9%			77.0%	23.0%	
Hyundai	Car	Car	1996	32.7	23.0	31.6	26.8	2720	105.8	102	109	11.4	1.061	0.0397	44.6	3484	4713	100.0%			28.6%		71.4%					100.0%			97.7%			88.5%	11.5%	
Hyundai	Car	Car	1997	31.0	21.8	29.9	25.4	2820	105.4	108	116	11.1	1.076	0.0409	43.9	3303	4621	100.0%			27.5%		72.5%					100.0%			94.8%	4.5%		82.7%	17.3%	
Hyundai	Car	Car	1998	30.6	21.4	29.1	24.9	2831	105.4	108	115	11.6	1.058	0.0402	43.5	3259	4576	100.0%			22.5%		77.5%					100.0%			96.4%	7.1%		81.8%	18.2%	
Hyundai	Car	Car	1999	30.5	20.9	29.6	24.8	2948	107.2	118	126	11.0	1.066	0.0424	44.9	3274	4818	100.0%			24.7%		75.3%					100.0%			100.0%	51.9%		81.1%	18.9%	
Hyundai	Car	Car	2000	30.0	20.4	29.1	24.4	3024	106.7	120	130	10.5	1.080	0.0426	45.4	3217	4842	100.0%			18.7%		81.3%					100.0%			100.0%	56.5%		79.9%	20.1%	
Hyundai	Car	Car	2001	31.0	21.0	29.8	25.0	3072	106.4	123	132	10.2	1.077	0.0428	47.6	3324	5072	100.0%			21.6%		78.4%					100.0%			100.0%	47.2%		75.5%	24.5%	
Hyundai	Car	Car	2002	30.8	20.8	29.5	24.8	3101	107.9	128	135	10.4	1.061	0.0432	47.8	3353	5161	100.0%			15.9%		84.1%					100.0%			100.0%	38.4%		68.1%	31.9%	
Hyundai	Car	Car	2003	30.1	20.2	28.5	24.1	3162	106.9	133	141	10.0	1.068	0.0443	47.7	3254	5100	100.0%			16.1%		83.9%					100.0%			100.0%	45.4%		72.0%	28.0%	
Hyundai	Car	Car	2004	29.2	19.5	27.7	23.4	3247	108.8	139	146	9.9	1.061	0.0448	47.6	3224	5184	100.0%			12.1%		87.9%					100.0%			100.0%	37.8%		56.1%	43.9%	
Hyundai	Car	Car	2005	30.2	20.0	28.1	24.0	3179	110.2	134	142	10.0	1.073	0.0446	48.1	3365	5297	100.0%			12.3%		87.7%					100.0%			100.0%	46.7%		22.2%	77.8%	
Hyundai	Car	Car	2006	29.8	19.6	28.4	23.8	3524	116.3	163	186	9.0	1.143	0.0520	52.4	3490	6118	100.0%			6.1%		93.9%					100.0%			100.0%	90.8%		12.4%	29.5%	58.1%
Hyundai	Car	Car	2007	32.1	21.1	30.0	25.4	3384	115.2	149	170	9.5	1.138	0.0493	54.3	3740	6264	100.0%			7.5%		92.5%					100.0%			100.0%	46.1%		20.5%	28.2%	51.3%
Hyundai	Car	Car	2008	33.8	22.4	31.1	26.6	3220	113.6	135	153	10.0	1.133	0.0467	54.4	3870	6191	100.0%			8.1%		91.9%					100.0%			100.0%	36.5%		22.9%	40.5%	36.6%
Hyundai	Car	Car	2009	33.8	22.2	31.4	26.7	3351	116.9	144	171	9.2	1.183	0.0501	56.5	3972	6614	93.9%		6.1%	5.6%		94.4%					100.0%			100.0%	100.0%		21.2%	21.4%	57.5%
Hyundai	Car	Car	2010	35.9	23.8	32.5	28.1	3184	113.8	132	157	9.7	1.175	0.0485	57.2	4124	6520	90.7%		9.3%	6.5%		93.5%					100.0%			100.0%	100.0%		28.5%	43.3%	28.3%
Hyundai	Car	Car	2011	36.4	23.0	33.6	28.1	3396	117.3	140	194	8.3	1.386	0.0564	62.3	4326	7301	93.0%		7.0%	2.6%	2.5%	94.9%				62.0%	38.0%			100.0%	100.0%	2.5%	12.1%	20.9%	67.0%
Hyundai	Car	Car	2012	37.7	24.8	34.3	29.5	3282	114.7	132	186	8.4	1.412	0.0557	62.3	4384.0	7151.0	92.0%		8.0%	4.3%	4.4%	91.3%				62.7%	37.3%			100.0%	100.0%	4.4%	25.4%	31.7%	42.9%
Hyundai	Car	Car	2013	38.7	25.4	35.2	30.2	3216	113.6	126	178	8.5	1.413	0.0547	62.6	4442.0	7112.0	94.4%		5.6%	4.0%	2.7%	93.3%				51.4%	48.6%			100.0%	100.0%	2.7%	17.9%	46.9%	35.3%
Hyundai	Car	Car	2014	38.0	24.7	34.2	29.4	3206	113.8	127	176	8.5	1.393	0.0543	61.5	4384.0	7005.0	96.0%		4.0%	4.4%	2.8%	92.8%				67.6%	32.4%			100.0%	100.0%	2.8%	22.6%	40.3%	37.1%
Hyundai	Car	Car	2015	37.2	24.2	33.9	28.9	3388	116.6	138	187	8.4	1.361	0.0543	63.7	4431.0	7446.0	90.5%	2.6%	6.9%	1.9%	6.5%	91.6%				72.4%	27.6%			100.0%	100.0%	3.3%	15.1%	30.1%	54.8%
Hyundai	Car	Car	2016	39.9	25.9	35.5	30.6	3209	114.3	125	168	8.7	1.352	0.0520	64.9	4641.0	7452.0	95.9%	1.1%	3.0%	2.9%	8.1%	88.9%				68.3%	31.7%			100.0%	100.0%	4.0%	23.9%	41.3%	34.8%
Hyundai	Car	Car	2017	41.4	27.0	36.3	31.6	3226	114.6	127	165	8.7	1.298	0.0507	68.9	4920.0	7935.0	96.6%	1.2%	2.2%	2.6%	12.9%	84.5%				55.6%	44.2%			99.9%	99.9%	7.3%	11.8%	52.5%	35.7%

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	Car	Car SUV	1975																																
Hyundai	Car	Car SUV	1976																																
Hyundai	Car	Car SUV	1977																																
Hyundai	Car	Car SUV	1978																																
Hyundai	Car	Car SUV	1979																																
Hyundai	Car	Car SUV	1980																																
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Hyundai	Car	Car SUV	1998																																
Hyundai	Car	Car SUV	1999																																
Hyundai	Car	Car SUV	2000																																
Hyundai	Car	Car SUV	2001	25.9	17.8	24.7	21.0	4000		154	157	10.9	1.019	0.0393	51.8			100.0%			7.9%		92.1%					100.0%				100.0%					
Hyundai	Car	Car SUV	2002	25.3	17.3	24.0	20.5	4000		157	164	10.8	1.040	0.0411	50.7			100.0%			3.0%		97.0%					100.0%				100.0%					
Hyundai	Car	Car SUV	2003	25.6	17.6	23.8	20.6	4000		163	164	10.6	1.008	0.0410	51.4			100.0%			6.2%		93.8%					100.0%				100.0%					
Hyundai	Car	Car SUV	2004	25.0	17.0	23.3	20.1	4000		169	168	10.5	0.996	0.0420	50.4			100.0%			4.2%		95.8%					100.0%				100.0%					
Hyundai	Car	Car SUV	2005	25.4	17.4	23.1	20.2	3922		162	171	10.2	1.060	0.0435	49.9			100.0%			2.9%		97.1%					100.0%				100.0%					
Hyundai	Car	Car SUV	2006	25.7	17.6	23.3	20.4	3903		157	168	10.4	1.073	0.0429	50.2			100.0%			4.5%		95.5%					100.0%				100.0%					
Hyundai	Car	Car SUV	2007	26.0	17.8	23.4	20.6	3956		175	203	9.4	1.156	0.0510	51.3			100.0%			2.3%		97.7%					100.0%				100.0%	8.1%				
Hyundai	Car	Car SUV	2008	26.1	17.8	23.8	20.8	3978		175	201	9.5	1.149	0.0503	52.0			100.0%			1.8%		98.2%					100.0%				100.0%	50.1%				
Hyundai	Car	Car SUV	2009	26.4	18.0	23.9	21.0	3949		174	202	9.2	1.158	0.0509	52.1			100.0%			1.2%		98.8%					100.0%				100.0%	51.7%				
Hyundai	Car	Car SUV	2010	30.4	20.5	27.6	24.0	3901		167	202	8.9	1.210	0.0516	59.4			100.0%			1.2%		98.8%					100.0%				100.0%	100.0%				
Hyundai	Car	Car SUV	2011	30.4	20.3	27.4	23.8	3833		166	202	8.8	1.221	0.0526	58.3			100.0%			0.9%		99.1%					100.0%				100.0%	100.0%				
Hyundai	Car	Car SUV	2012	30.3	20.2	27.5	23.8	3812		164	199	8.8	1.216	0.0520	57.8			100.0%			0.2%		99.8%					100.0%				100.0%	100.0%				
Hyundai	Car	Car SUV	2013	30.3	20.4	27.7	24.0	3858		138	209	8.6	1.542	0.0540	58.4			73.8%	26.2%		0.1%		99.9%				71.5%	28.5%				100.0%	100.0%				
Hyundai	Car	Car SUV	2014	29.3	19.8	26.3	23.0	3883		139	204	8.8	1.488	0.0525	56.9			71.7%	28.3%				100.0%				100.0%					100.0%	100.0%				
Hyundai	Car	Car SUV	2015	29.7	20.1	26.5	23.3	3835		139	196	9.0	1.424	0.0511	57.0			71.3%	28.7%			0.1%	99.9%				99.9%	0.1%				99.9%	99.9%				
Hyundai	Car	Car SUV	2016	32.1	21.9	27.7	24.9	3822		121	181	9.3	1.527	0.0473	61.9			57.6%	42.4%			34.6%	65.4%				100.0%	0.0%				100.0%	100.0%				
Hyundai	Car	Car SUV	2017	31.9	21.7	27.7	24.8	3895		128	184	9.3	1.476	0.0472	62.5			60.0%	40.0%			26.3%	73.7%				99.9%	0.1%				99.9%	99.9%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering							Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	Car	All	1975																																
Hyundai	Car	All	1976																																
Hyundai	Car	All	1977																																
Hyundai	Car	All	1978																																
Hyundai	Car	All	1979																																
Hyundai	Car	All	1980																																
Hyundai	Car	All	1981																																
Hyundai	Car	All	1982																																
Hyundai	Car	All	1983																																
Hyundai	Car	All	1984																																
Hyundai	Car	All	1985																																
Hyundai	Car	All	1986	34.9	27.9	31.6	29.5	2500		90	68	16.0	0.756	0.0272	43.7			100.0%			74.6%	25.4%				100.0%								100.0%		
Hyundai	Car	All	1987	34.5	27.5	30.9	29.0	2500		90	68	16.4	0.756	0.0272	43.2			100.0%			63.3%		36.7%			100.0%					100.0%			100.0%		
Hyundai	Car	All	1988	34.3	27.2	30.5	28.7	2500		90	68	16.7	0.756	0.0272	43.0			100.0%			59.5%		40.5%			100.0%					100.0%			100.0%		
Hyundai	Car	All	1989	33.1	25.2	31.3	27.8	2580		99	75	15.6	0.758	0.0287	42.9			100.0%			47.1%		52.9%			84.0%		16.0%						84.0%	16.0%	
Hyundai	Car	All	1990	33.1	25.2	30.7	27.6	2636		103	89	12.9	0.873	0.0335	43.8			100.0%			42.1%	6.0%	51.9%					100.0%						78.9%	21.1%	
Hyundai	Car	All	1991	32.7	24.6	30.4	27.1	2632		103	89	13.1	0.877	0.0335	43.2			100.0%			39.1%	7.8%	53.2%					100.0%						81.5%	18.5%	
Hyundai	Car	All	1992	31.1	23.0	29.3	25.7	2776		102	99	12.4	0.982	0.0353	43.2			100.0%			36.4%	8.4%	55.2%					100.0%			24.7%			85.3%	14.7%	
Hyundai	Car	All	1993	31.0	23.0	28.9	25.6	2790		105	104	11.3	0.991	0.0370	43.4			100.0%			33.7%	7.0%	59.3%					100.0%			52.6%			85.4%	14.6%	
Hyundai	Car	All	1994	32.7	23.8	30.8	26.9	2666		98	98	11.3	0.992	0.0365	43.8			100.0%			40.8%	1.1%	58.2%					100.0%			98.9%			98.2%	1.8%	
Hyundai	Car	All	1995	30.9	22.1	29.5	25.4	2813		110	112	11.2	1.031	0.0396	43.7			100.0%			29.8%		70.2%					100.0%			89.9%			77.0%	23.0%	
Hyundai	Car	All	1996	32.7	23.0	31.6	26.8	2720		102	109	11.4	1.061	0.0397	44.6			100.0%			28.6%		71.4%					100.0%			97.7%			88.5%	11.5%	
Hyundai	Car	All	1997	31.0	21.8	29.9	25.4	2820		108	116	11.1	1.076	0.0409	43.9			100.0%			27.5%		72.5%					100.0%			94.8%	4.5%		82.7%	17.3%	
Hyundai	Car	All	1998	30.6	21.4	29.1	24.9	2831		108	115	11.6	1.058	0.0402	43.5			100.0%			22.5%		77.5%					100.0%			96.4%	7.1%		81.8%	18.2%	
Hyundai	Car	All	1999	30.5	20.9	29.6	24.8	2948		118	126	11.0	1.066	0.0424	44.9			100.0%			24.7%		75.3%					100.0%			100.0%	51.9%		81.1%	18.9%	
Hyundai	Car	All	2000	30.0	20.4	29.1	24.4	3024		120	130	10.5	1.080	0.0426	45.4			100.0%			18.7%		81.3%					100.0%			100.0%	56.5%		79.9%	20.1%	
Hyundai	Car	All	2001	30.5	20.7	29.2	24.6	3158		126	135	10.3	1.072	0.0425	48.0			100.0%			20.4%		79.6%					100.0%			100.0%	42.8%				
Hyundai	Car	All	2002	30.0	20.2	28.6	24.2	3218		132	139	10.4	1.059	0.0429	48.2			100.0%			14.2%		85.8%					100.0%			100.0%	33.4%				
Hyundai	Car	All	2003	29.3	19.8	27.7	23.5	3279		137	144	10.1	1.059	0.0438	48.2			100.0%			14.8%		85.2%					100.0%			100.0%	39.1%				
Hyundai	Car	All	2004	28.2	18.9	26.6	22.6	3413		146	151	10.1	1.046	0.0442	48.2			100.0%			10.3%		89.7%					100.0%			100.0%	29.5%				
Hyundai	Car	All	2005	28.8	19.3	26.7	22.9	3364		141	149	10.0	1.070	0.0443	48.5			100.0%			9.9%		90.1%					100.0%			100.0%	35.0%				
Hyundai	Car	All	2006	29.0	19.2	27.3	23.1	3593		162	183	9.2	1.130	0.0503	52.0			100.0%			5.8%		94.2%					100.0%			100.0%	74.3%				
Hyundai	Car	All	2007	30.0	20.0	27.7	23.8	3554		157	180	9.4	1.143	0.0498	53.4			100.0%			6.0%		94.0%					100.0%			100.0%	34.8%				
Hyundai	Car	All	2008	31.7	21.2	29.1	25.1	3386		143	163	9.9	1.137	0.0475	53.8			100.0%			6.7%		93.3%					100.0%			100.0%	39.4%				
Hyundai	Car	All	2009	32.3	21.4	29.9	25.6	3448		148	176	9.2	1.179	0.0502	55.8			94.9%		5.1%	4.9%		95.1%					100.0%			100.0%	92.2%				
Hyundai	Car	All	2010	34.9	23.2	31.7	27.4	3294		138	164	9.5	1.181	0.0490	57.5			92.2%		7.8%	5.7%		94.3%					100.0%			100.0%	100.0%				
Hyundai	Car	All	2011	35.4	22.6	32.6	27.4	3459		144	195	8.4	1.362	0.0558	61.7			94.0%		6.0%	2.4%	2.1%	95.5%				53.1%	46.9%				100.0%	100.0%	2.1%			
Hyundai	Car	All	2012	36.6	24.1	33.3	28.6	3348		136	187	8.4	1.388	0.0552	61.8			93.0%		7.0%	3.8%	3.8%	92.4%				54.9%	45.1%				100.0%	100.0%	3.8%			
Hyundai	Car	All	2013	37.4	24.7	34.1	29.3	3294		128	182	8.5	1.428	0.0546	62.1			91.9%	3.2%	4.9%	3.5%	2.4%	94.1%				53.9%	46.1%				100.0%	100.0%	2.4%			
Hyundai	Car	All	2014	35.8	23.5	32.2	27.8	3346		130	182	8.5	1.413	0.0539	60.5			91.0%	5.9%	3.2%	3.5%	2.3%	94.3%				74.3%	25.7%				100.0%	100.0%	2.3%			
Hyundai	Car	All	2015	36.0	23.5	32.7	28.0	3448		138	188	8.5	1.370	0.0539	62.8			88.0%	6.1%	5.9%	1.6%	5.6%	92.7%				76.1%	23.9%				100.0%	100.0%	2.8%			
Hyundai	Car	All	2016	37.8	24.9	33.4	29.1	3349		124	171	8.8	1.392	0.0509	64.3			87.2%	10.5%	2.3%	2.3%	14.2%	83.5%				75.5%	24.5%				100.0%	100.0%	3.1%			
Hyundai	Car	All	2017	38.6	25.5	33.8	29.6	3387		127	169	8.9	1.341	0.0498	67.3			87.8%	10.6%	1.6%	2.0%	16.2%	81.8%				66.4%	33.6%				99.9%	99.9%	5.5%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	Truck	Truck SUV	1975																																	
Hyundai	Truck	Truck SUV	1976																																	
Hyundai	Truck	Truck SUV	1977																																	
Hyundai	Truck	Truck SUV	1978																																	
Hyundai	Truck	Truck SUV	1979																																	
Hyundai	Truck	Truck SUV	1980																																	
Hyundai	Truck	Truck SUV	1981																																	
Hyundai	Truck	Truck SUV	1982																																	
Hyundai	Truck	Truck SUV	1983																																	
Hyundai	Truck	Truck SUV	1984																																	
Hyundai	Truck	Truck SUV	1985																																	
Hyundai	Truck	Truck SUV	1986																																	
Hyundai	Truck	Truck SUV	1987																																	
Hyundai	Truck	Truck SUV	1988																																	
Hyundai	Truck	Truck SUV	1989																																	
Hyundai	Truck	Truck SUV	1990																																	
Hyundai	Truck	Truck SUV	1991																																	
Hyundai	Truck	Truck SUV	1992																																	
Hyundai	Truck	Truck SUV	1993																																	
Hyundai	Truck	Truck SUV	1994																																	
Hyundai	Truck	Truck SUV	1995																																	
Hyundai	Truck	Truck SUV	1996																																	
Hyundai	Truck	Truck SUV	1997																																	
Hyundai	Truck	Truck SUV	1998																																	
Hyundai	Truck	Truck SUV	1999																																	
Hyundai	Truck	Truck SUV	2000																																	
Hyundai	Truck	Truck SUV	2001	24.0	17.0	21.8	19.3	4000		162	173	10.5	1.068	0.0433	47.9				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2002	23.5	16.5	21.7	19.0	4000		162	173	10.6	1.068	0.0433	47.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2003	23.3	16.2	21.3	18.7	4000		173	178	10.3	1.034	0.0445	46.7				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2004	22.8	15.8	20.7	18.3	4000		184	185	10.0	1.012	0.0462	45.8				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2005	23.0	15.7	21.3	18.4	4000		179	180	10.1	1.012	0.0450	46.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2006	22.9	15.6	21.3	18.4	4208		183	182	10.3	1.003	0.0433	48.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	Truck SUV	2007	24.5	16.7	22.4	19.5	4397		184	213	9.7	1.152	0.0482	53.8				100.0%			2.5%	97.5%					100.0%				100.0%	6.0%				
Hyundai	Truck	Truck SUV	2008	24.6	16.6	22.9	19.7	4425		190	218	9.6	1.148	0.0492	54.4				100.0%			0.3%	99.7%					100.0%				100.0%	57.7%				
Hyundai	Truck	Truck SUV	2009	24.9	16.8	23.1	19.9	4469		184	213	9.7	1.158	0.0477	55.6				100.0%			0.4%	99.6%					100.0%				100.0%	50.5%				
Hyundai	Truck	Truck SUV	2010	29.2	19.8	26.3	23.0	3944		173	211	8.9	1.217	0.0534	57.7				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2011	28.7	19.5	25.3	22.5	3911		178	220	8.6	1.226	0.0559	56.1				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2012	28.5	19.4	25.4	22.5	3841		171	209	8.8	1.220	0.0542	54.7				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2013	28.1	18.9	25.6	22.2	3843		173	230	8.3	1.315	0.0592	53.9			26.6%	73.4%				100.0%					47.7%	52.3%			100.0%	100.0%				
Hyundai	Truck	Truck SUV	2014	27.3	18.5	24.3	21.4	3968		178	246	8.0	1.368	0.0613	54.1			33.5%	66.5%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2015	27.5	18.7	24.1	21.5	3934		169	231	8.4	1.355	0.0579	53.9			24.2%	75.8%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2016	26.4	17.7	23.6	20.6	4341		201	290	7.4	1.440	0.0670	57.2			49.4%	50.6%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	Truck SUV	2017	26.8	18.0	24.1	21.1	4342		188	282	7.5	1.528	0.0651	58.2			41.7%	58.3%				100.0%					100.0%				100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	Truck	All	1975																																	
Hyundai	Truck	All	1976																																	
Hyundai	Truck	All	1977																																	
Hyundai	Truck	All	1978																																	
Hyundai	Truck	All	1979																																	
Hyundai	Truck	All	1980																																	
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Hyundai	Truck	All	1997																																	
Hyundai	Truck	All	1998																																	
Hyundai	Truck	All	1999																																	
Hyundai	Truck	All	2000																																	
Hyundai	Truck	All	2001	24.0	17.0	21.8	19.3	4000		162	173	10.5	1.068	0.0433	47.9				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2002	23.5	16.5	21.7	19.0	4000		162	173	10.6	1.068	0.0433	47.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2003	23.3	16.2	21.3	18.7	4000		173	178	10.3	1.034	0.0445	46.7				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2004	22.8	15.8	20.7	18.3	4000		184	185	10.0	1.012	0.0462	45.8				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2005	23.0	15.7	21.3	18.4	4000		179	180	10.1	1.012	0.0450	46.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2006	22.9	15.6	21.3	18.4	4208		183	182	10.3	1.003	0.0433	48.1				100.0%				100.0%					100.0%				100.0%					
Hyundai	Truck	All	2007	24.5	16.7	22.4	19.5	4397		184	213	9.7	1.152	0.0482	53.8				100.0%			2.5%	97.5%					100.0%				100.0%	6.0%				
Hyundai	Truck	All	2008	24.6	16.6	22.9	19.7	4425		190	218	9.6	1.148	0.0492	54.4				100.0%			0.3%	99.7%					100.0%				100.0%	57.7%				
Hyundai	Truck	All	2009	24.9	16.8	23.1	19.9	4469		184	213	9.7	1.158	0.0477	55.6				100.0%			0.4%	99.6%					100.0%				100.0%	50.5%				
Hyundai	Truck	All	2010	29.2	19.8	26.3	23.0	3944		173	211	8.9	1.217	0.0534	57.7				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2011	28.7	19.5	25.3	22.5	3911		178	220	8.6	1.226	0.0559	56.1				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2012	28.5	19.4	25.4	22.5	3841		171	209	8.8	1.220	0.0542	54.7				100.0%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2013	28.1	18.9	25.6	22.2	3843		173	230	8.3	1.315	0.0592	53.9			26.6%	73.4%				100.0%					47.7%	52.3%			100.0%	100.0%				
Hyundai	Truck	All	2014	27.3	18.5	24.3	21.4	3968		178	246	8.0	1.368	0.0613	54.1			33.5%	66.5%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2015	27.5	18.7	24.1	21.5	3934		169	231	8.4	1.355	0.0579	53.9			24.2%	75.8%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2016	26.4	17.7	23.6	20.6	4341		201	290	7.4	1.440	0.0670	57.2			49.4%	50.6%				100.0%					100.0%				100.0%	100.0%				
Hyundai	Truck	All	2017	26.8	18.0	24.1	21.1	4342		188	282	7.5	1.528	0.0651	58.2			41.7%	58.3%				100.0%					100.0%				100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering							Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Hyundai	All	All	1975																																	
Hyundai	All	All	1976																																	
Hyundai	All	All	1977																																	
Hyundai	All	All	1978																																	
Hyundai	All	All	1979																																	
Hyundai	All	All	1980																																	
Hyundai	All	All	1981																																	
Hyundai	All	All	1982																																	
Hyundai	All	All	1983																																	
Hyundai	All	All	1984																																	
Hyundai	All	All	1985																																	
Hyundai	All	All	1986	34.9	27.9	31.6	29.5	2500		90	68	16.0	0.756	0.0272	43.7			100.0%			74.6%	25.4%				100.0%								100.0%		
Hyundai	All	All	1987	34.5	27.5	30.9	29.0	2500		90	68	16.4	0.756	0.0272	43.2			100.0%			63.3%		36.7%			100.0%					100.0%			100.0%		
Hyundai	All	All	1988	34.3	27.2	30.5	28.7	2500		90	68	16.7	0.756	0.0272	43.0			100.0%			59.5%		40.5%			100.0%					100.0%			100.0%		
Hyundai	All	All	1989	33.1	25.2	31.3	27.8	2580		99	75	15.6	0.758	0.0287	42.9			100.0%			47.1%		52.9%			84.0%		16.0%						84.0%	16.0%	
Hyundai	All	All	1990	33.1	25.2	30.7	27.6	2636		103	89	12.9	0.873	0.0335	43.8			100.0%			42.1%	6.0%	51.9%					100.0%						78.9%	21.1%	
Hyundai	All	All	1991	32.7	24.6	30.4	27.1	2632		103	89	13.1	0.877	0.0335	43.2			100.0%			39.1%	7.8%	53.2%					100.0%						81.5%	18.5%	
Hyundai	All	All	1992	31.1	23.0	29.3	25.7	2776		102	99	12.4	0.982	0.0353	43.2			100.0%			36.4%	8.4%	55.2%					100.0%			24.7%			85.3%	14.7%	
Hyundai	All	All	1993	31.0	23.0	28.9	25.6	2790		105	104	11.3	0.991	0.0370	43.4			100.0%			33.7%	7.0%	59.3%					100.0%			52.6%			85.4%	14.6%	
Hyundai	All	All	1994	32.7	23.8	30.8	26.9	2666		98	98	11.3	0.992	0.0365	43.8			100.0%			40.8%	1.1%	58.2%					100.0%			98.9%			98.2%	1.8%	
Hyundai	All	All	1995	30.9	22.1	29.5	25.4	2813		110	112	11.2	1.031	0.0396	43.7			100.0%			29.8%		70.2%					100.0%			89.9%			77.0%	23.0%	
Hyundai	All	All	1996	32.7	23.0	31.6	26.8	2720		102	109	11.4	1.061	0.0397	44.6			100.0%			28.6%		71.4%					100.0%			97.7%			88.5%	11.5%	
Hyundai	All	All	1997	31.0	21.8	29.9	25.4	2820		108	116	11.1	1.076	0.0409	43.9			100.0%			27.5%		72.5%					100.0%			94.8%	4.5%		82.7%	17.3%	
Hyundai	All	All	1998	30.6	21.4	29.1	24.9	2831		108	115	11.6	1.058	0.0402	43.5			100.0%			22.5%		77.5%					100.0%			96.4%	7.1%		81.8%	18.2%	
Hyundai	All	All	1999	30.5	20.9	29.6	24.8	2948		118	126	11.0	1.066	0.0424	44.9			100.0%			24.7%		75.3%					100.0%			100.0%	51.9%		81.1%	18.9%	
Hyundai	All	All	2000	30.0	20.4	29.1	24.4	3024		120	130	10.5	1.080	0.0426	45.4			100.0%			18.7%		81.3%					100.0%			100.0%	56.5%		79.9%	20.1%	
Hyundai	All	All	2001	29.9	20.3	28.5	24.1	3218		129	137	10.3	1.071	0.0426	48.0			92.9%	7.1%		18.9%		81.1%					100.0%			100.0%	39.8%				
Hyundai	All	All	2002	29.2	19.8	27.8	23.6	3291		135	142	10.4	1.060	0.0429	48.1			90.7%	9.3%		12.9%		87.1%					100.0%			100.0%	30.3%				
Hyundai	All	All	2003	28.5	19.3	26.8	22.8	3365		141	148	10.1	1.056	0.0439	48.0			88.0%	12.0%		13.0%		87.0%					100.0%			100.0%	34.4%				
Hyundai	All	All	2004	27.5	18.5	25.8	22.0	3479		150	155	10.1	1.043	0.0444	48.0			88.8%	11.2%		9.2%		90.8%					100.0%			100.0%	26.2%				
Hyundai	All	All	2005	28.2	18.9	26.1	22.5	3417		144	152	10.0	1.065	0.0443	48.3			91.6%	8.4%		9.1%		90.9%					100.0%			100.0%	32.1%				
Hyundai	All	All	2006	28.7	19.1	27.0	22.9	3612		162	183	9.3	1.126	0.0501	51.9			96.8%	3.2%		5.6%		94.4%					100.0%			100.0%	71.9%				
Hyundai	All	All	2007	29.2	19.6	27.0	23.2	3647		160	183	9.5	1.144	0.0496	53.4			88.9%	11.1%		5.6%		94.4%					100.0%			100.0%	31.6%				
Hyundai	All	All	2008	30.9	20.6	28.4	24.4	3486		148	168	9.8	1.138	0.0477	53.9			90.4%	9.6%		6.1%		93.9%					100.0%			100.0%	41.2%				
Hyundai	All	All	2009	31.7	21.0	29.3	25.1	3520		151	179	9.3	1.178	0.0500	55.8			88.2%	7.0%	4.7%	4.6%		95.4%					100.0%			100.0%	89.2%				
Hyundai	All	All	2010	34.4	22.9	31.2	27.0	3343		140	167	9.5	1.183	0.0493	57.6			85.2%	7.5%	7.3%	5.2%		94.8%					100.0%			100.0%	100.0%				
Hyundai	All	All	2011	34.7	22.3	31.8	26.9	3495		147	197	8.4	1.351	0.0558	61.2			86.4%	8.1%	5.5%	2.2%	2.0%	95.8%				48.8%	51.2%			100.0%	100.0%	2.0%			
Hyundai	All	All	2012	35.8	23.7	32.6	28.0	3384		138	189	8.5	1.375	0.0552	61.3			86.2%	7.4%	6.5%	3.5%	3.5%	92.9%				50.9%	49.1%			100.0%	100.0%	3.5%			
Hyundai	All	All	2013	37.0	24.5	33.7	29.0	3313		129	184	8.5	1.424	0.0548	61.8			89.6%	5.6%	4.8%	3.4%	2.3%	94.3%				53.7%	46.3%			100.0%	100.0%	2.3%			
Hyundai	All	All	2014	35.1	23.1	31.5	27.2	3390		133	186	8.5	1.410	0.0545	60.1			86.9%	10.1%	3.0%	3.2%	2.1%	94.7%				76.1%	23.9%			100.0%	100.0%	2.1%			
Hyundai	All	All	2015	35.3	23.1	31.9	27.5	3480		140	191	8.5	1.369	0.0541	62.3			83.8%	10.6%	5.6%	1.5%	5.3%	93.2%				77.6%	22.4%			100.0%	100.0%	2.7%			
Hyundai	All	All	2016	37.4	24.6	33.0	28.8	3376		126	174	8.8	1.393	0.0514	64.1			86.1%	11.7%	2.2%	2.2%	13.8%	84.0%				76.2%	23.8%			100.0%	100.0%	3.0%			
Hyundai	All	All	2017	37.6	24.9	33.0	28.9	3444		131	176	8.8	1.352	0.0507	66.8			85.0%	13.4%	1.6%	1.9%	15.2%	82.9%				68.3%	31.6%			99.9%	99.9%	5.2%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Car	Car	1975	26.5	20.0	26.9	22.6	2371		95	69		0.726	0.0290	31.5			73.7%		26.3%	72.4%	24.7%	2.9%			54.5%		45.5%						100.0%		
VW	Car	Car	1976	27.5	21.4	26.6	23.4	2343		100	75		0.742	0.0317	32.3			79.9%		20.1%	71.9%	28.1%				61.6%		38.4%						100.0%		
VW	Car	Car	1977	28.8	22.0	28.8	24.6	2358	93.0	99	74		0.746	0.0315	34.7	2790	3251	89.2%		10.8%	80.7%	19.3%				27.8%		65.3%		6.8%				100.0%		
VW	Car	Car	1978	27.2	20.9	26.8	23.2	2410	93.4	98	76	14.8	0.765	0.0310	33.9	2681	3168	90.2%		9.8%	73.7%	26.3%				1.0%		86.5%		12.5%				100.0%		
VW	Car	Car	1979	28.6	22.0	28.1	24.4	2389	92.7	98	73	16.7	0.735	0.0301	35.8	2840	3329	90.4%		9.6%	79.2%	20.8%				0.0%		77.7%		22.2%				100.0%		
VW	Car	Car	1980	31.2	24.0	30.7	26.6	2385	89.8	99	70	17.4	0.697	0.0292	39.2	2992	3530	96.0%		4.0%	84.0%	16.0%				3.6%		60.2%		36.2%				100.0%		
VW	Car	Car	1981	34.2	26.4	33.6	29.2	2403	90.0	106	69	17.2	0.642	0.0284	43.4	3293	3898	97.4%		2.6%	85.1%	14.9%						52.8%		47.2%				100.0%		
VW	Car	Car	1982	32.8	25.7	31.4	28.0	2478	92.7	109	75	17.7	0.678	0.0299	42.9	3252	3971	95.4%		4.6%	78.0%	22.0%				3.0%		69.0%		28.0%				100.0%		
VW	Car	Car	1983	30.0	23.3	29.1	25.6	2526	92.1	118	91	14.4	0.756	0.0354	39.2	2923	3624	86.5%	0.4%	13.2%	77.6%	22.4%				4.1%		83.0%		12.9%				100.0%		
VW	Car	Car	1984	28.4	22.1	27.4	24.2	2631	96.3	119	93	14.4	0.769	0.0350	38.6	2863	3700	90.2%	1.1%	8.6%	66.1%	33.9%				3.8%		85.9%		10.3%				78.7%	21.3%	
VW	Car	Car	1985	29.5	22.9	28.5	25.1	2684	101.9	121	99	13.7	0.806	0.0363	40.7	3140	4151	91.0%	1.5%	7.5%	64.5%	35.5%						91.1%		8.9%				81.8%	18.2%	
VW	Car	Car	1986	29.0	22.3	28.0	24.6	2689	101.0	121	105	12.7	0.855	0.0386	39.8	3034	4018	87.7%	3.0%	9.3%	65.2%	34.8%						94.9%		5.1%	4.4%			83.3%	16.7%	
VW	Car	Car	1987	28.3	21.9	26.9	24.0	2732	98.3	121	110	12.6	0.893	0.0398	39.1	2870	3846	84.8%	3.8%	11.4%	69.4%	30.6%						100.0%			8.4%			89.8%	10.2%	
VW	Car	Car	1988	29.7	22.7	28.2	25.0	2692	95.8	118	106	12.9	0.882	0.0387	40.2	2889	3865	89.3%	3.1%	7.6%	76.5%	23.5%						100.0%			7.7%			96.3%	3.7%	
VW	Car	Car	1989	29.3	22.2	28.0	24.6	2754	96.9	119	108	12.5	0.894	0.0387	40.9	2926	3996	91.8%	1.7%	6.6%	71.7%	28.3%						97.5%	0.1%	2.4%	7.7%			92.0%	8.0%	
VW	Car	Car	1990	28.3	21.2	27.3	23.7	2929	99.6	122	119	11.4	0.966	0.0399	41.7	2886	4177	92.9%	2.2%	4.8%	60.1%	28.5%	11.4%					98.9%		1.1%	18.7%			79.5%	20.5%	
VW	Car	Car	1991	28.9	21.3	28.2	24.2	2943	101.6	121	115	12.0	0.929	0.0382	43.1	3031	4403	92.1%	2.5%	5.4%	58.9%	21.9%	19.2%					95.8%		4.2%	21.2%			77.4%	22.6%	
VW	Car	Car	1992	28.7	20.9	28.1	23.9	2976	102.6	125	120	11.3	0.948	0.0397	42.9	2992	4413	94.4%	2.0%	3.5%	59.1%	19.7%	21.2%					98.9%		1.1%	20.4%	1.4%		71.2%	28.8%	
VW	Car	Car	1993	26.5	19.1	26.3	22.1	3131	99.1	146	141	9.7	0.946	0.0438	41.6	2666	4132	83.1%	12.2%	4.6%	58.4%	2.1%	39.5%					100.0%			5.6%	1.7%		71.2%	28.8%	
VW	Car	Car	1994	27.7	19.9	27.1	23.0	3104	101.9	134	133	9.8	0.980	0.0424	43.2	2870	4415	85.5%	10.6%	3.8%	53.3%	0.6%	46.1%					100.0%			2.7%	1.8%		99.1%	0.9%	0.0%
VW	Car	Car	1995	28.2	20.1	27.2	23.2	3125	101.3	138	138	9.8	0.988	0.0438	44.2	2902	4489	89.2%	5.3%	5.5%	62.4%	0.8%	36.8%					100.0%			1.4%	5.4%		89.4%	10.6%	
VW	Car	Car	1996	27.8	19.6	27.1	22.9	3160	102.6	138	137	10.4	0.977	0.0429	44.6	2925	4605	86.1%	11.2%	2.7%	58.3%	0.5%	41.2%					97.0%		3.0%	0.0%	4.3%		88.5%	11.5%	
VW	Car	Car	1997	28.1	19.8	27.1	23.0	3151	100.4	138	140	10.2	1.008	0.0441	44.9	2889	4532	80.5%	13.8%	5.7%	59.6%	1.2%	39.3%					98.0%		2.0%	9.3%	6.7%		92.0%	8.0%	
VW	Car	Car	1998	28.4	19.8	27.6	23.2	3206	101.1	134	142	10.5	1.056	0.0438	46.4	2954	4718	77.5%	18.3%	4.2%	54.6%	0.8%	44.5%					94.9%		5.1%	34.9%	20.8%		81.2%	18.8%	
VW	Car	Car	1999	27.9	19.3	27.1	22.8	3256	101.6	134	148	10.3	1.099	0.0450	46.0	2893	4702	78.2%	15.1%	6.7%	39.6%	1.7%	58.8%					97.5%		2.5%	44.8%	25.6%		71.2%	28.8%	0.0%
VW	Car	Car	2000	28.2	19.5	26.8	22.9	3252	101.5	135	153	9.6	1.123	0.0463	46.7	2940	4757	80.5%	14.6%	4.9%	46.8%	1.2%	52.1%					94.8%		5.2%	45.4%	18.5%		76.8%	23.1%	0.2%
VW	Car	Car	2001	27.8	19.1	26.4	22.5	3327	100.9	136	163	9.2	1.207	0.0485	47.0	2878	4754	72.9%	23.1%	4.0%	44.8%	1.2%	54.0%					95.4%		4.6%	57.3%	27.8%		76.4%	23.2%	0.4%
VW	Car	Car	2002	28.7	19.5	27.2	23.1	3394	102.8	132	165	9.5	1.263	0.0482	49.7	3038	5133	76.4%	19.8%	3.9%	30.7%	1.1%	66.4%	1.7%				92.4%		7.6%	61.3%	13.7%		75.5%	24.3%	0.1%
VW	Car	Car	2003	29.1	19.7	27.3	23.3	3442	103.7	131	166	9.5	1.269	0.0476	51.0	3103	5309	79.6%	17.4%	2.9%	33.5%		63.0%	3.5%				93.3%		6.7%	64.4%	15.9%		72.6%	27.3%	0.1%
VW	Car	Car	2004	28.2	18.9	26.6	22.6	3534	103.0	137	177	9.2	1.291	0.0493	50.7	2998	5255	69.3%	28.0%	2.6%	28.5%	0.8%	66.9%	3.9%				93.3%		6.7%	65.6%	17.5%		72.0%	25.0%	3.0%
VW	Car	Car	2005	28.4	18.8	26.9	22.7	3607	102.4	146	182	9.2	1.238	0.0494	52.3	3018	5399	67.8%	27.1%	5.1%	23.0%	0.5%	72.2%	4.3%				89.0%		11.0%	69.3%	20.4%		78.2%	20.1%	1.7%
VW	Car	Car	2006	29.6	19.6	27.9	23.6	3627	102.3	150	192	8.8	1.287	0.0523	55.0	3141	5660	75.4%	19.0%	5.6%	21.9%	0.7%	72.9%	4.5%				87.4%		12.6%	86.4%	48.0%		75.0%	23.9%	1.1%
VW	Car	Car	2007	28.4	18.8	27.0	22.8	3679	102.5	155	205	8.3	1.334	0.0551	52.7	2962	5431	73.2%	21.4%	5.3%	24.5%		70.4%	5.1%				100.0%			100.0%	15.9%		81.3%	17.7%	1.0%
VW	Car	Car	2008	28.8	19.0	27.2	23.0	3650	102.0	153	209	8.1	1.378	0.0569	52.9	2978	5414	73.1%	22.7%	4.2%	18.0%		77.2%	4.9%			44.7%	55.3%			99.9%	19.5%		82.6%	16.8%	0.6%
VW	*Car*	*Car*	*2009*	*30.8*	*20.2*	*28.6*	*24.4*	*3630*	*102.3*	*145*	*188*	*8.3*	*1.375*	*0.0545*	*52.3*	*3266*	*5886*	*75.8%*	*22.0%*	*3.0%*	*16.0%*	*1.5%*	*80.1%*	*2.5%*			*46.0%*	*37.2%*		*14.3%*	*99.6%*	*15.5%*		*82.2%*	*7.5%*	*0.6%*
VW	*Car*	*Car*	*2010*	*32.7*	*21.7*	*30.1*	*25.8*	*3626*	*106.3*	*142*	*195*	*8.5*	*1.379*	*0.0532*	*60.9*	*3622*	*6516*	*79.0%*	*18.5%*	*2.5%*	*15.6%*	*38.6%*	*44.5%*	*3.4%*			*46.6%*	*32.5%*		*20.9%*	*100.0%*	*79.8%*		*80.7%*	*7.1%*	*2.2%*
VW	*Car*	*Car*	*2011*	*33.0*	*22.6*	*31.1*	*26.7*	*3643*	*106.3*	*146*	*197*	*8.5*	*1.340*	*0.0531*	*61.6*	*3640*	*6571*	*73.9%*	*22.0%*	*4.1%*	*16.0%*	*0.4%*	*80.0%*	*3.6%*			*39.6%*	*41.0%*		*19.4%*	*93.5%*	*71.5%*		*82.8%*	*3.2%*	*4.0%*
VW	*Car*	*Car*	*2012*	*32.9*	*22.5*	*31.1*	*26.7*	*3607*	*108.2*	*145*	*196*	*8.5*	*1.345*	*0.0536*	*60.6*	*3667*	*6569*	*80.1%*	*17.4%*	*2.5%*	*14.1%*	*14.3%*	*70.0%*	*1.6%*			*37.8%*	*45.1%*		*17.1%*	*94.4%*	*77.3%*	*0.1%*	*72.4%*	*25.4%*	*2.2%*
VW	*Car*	*Car*	*2013*	*33.3*	*22.7*	*31.2*	*26.9*	*3615*	*107.9*	*143*	*194*	*8.5*	*1.352*	*0.0530*	*61.6*	*3714*	*6664*	*77.9%*	*19.2%*	*2.9%*	*9.8%*	*2.1%*	*86.0%*	*2.1%*			*38.9%*	*42.1%*		*19.0%*	*95.0%*	*76.0%*	*1.1%*	*69.7%*	*28.5%*	*1.8%*
VW	*Car*	*Car*	*2014*	*34.4*	*23.1*	*32.0*	*27.5*	*3626*	*107.6*	*133*	*199*	*8.5*	*1.471*	*0.0538*	*63.7*	*3831*	*6888*	*73.7%*	*22.2%*	*4.1%*	*9.4%*	*4.8%*	*83.6%*	*2.2%*			*44.7%*	*16.3%*		*19.1%*	*90.9%*	*71.8%*	*0.6%*	*68.4%*	*29.3%*	*2.3%*
VW	*Car*	*Car*	*2015*	*36.0*	*23.7*	*33.3*	*28.3*	*3625*	*107.5*	*122*	*199*	*8.4*	*1.553*	*0.0543*	*68.0*	*4087*	*7358*	*72.8%*	*24.4%*	*2.8%*	*9.1%*	*9.7%*	*85.7%*	*1.5%*			*75.9%*	*8.3%*		*15.1%*	*91.4%*	*76.4%*	*0.3%*	*72.5%*	*25.3%*	*2.2%*
VW	*Car*	*Car*	*2016*	*36.7*	*23.9*	*33.5*	*28.5*	*3690*	*107.5*	*122*	*210*	*8.0*	*1.713*	*0.0569*	*71.0*	*4108*	*7668*	*67.4%*	*29.4%*	*3.1%*	*8.0%*	*2.1%*	*87.3%*	*0.9%*			*97.0%*	*0.5%*		*0.4%*	*98.2%*	*98.0%*	*2.1%*	*74.3%*	*22.7%*	*2.1%*
VW	Car	Car	2017	36.1	23.8	32.7	28.2	3672	108.3	119	214	7.9	1.777	0.0575	68.7	4107	7465	62.8%	34.9%	2.3%	9.4%	4.5%	86.1%				98.4%	0.9%			99.2%	99.2%	0.9%	81.6%	16.0%	2.4%

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Car	Car SUV	1975																																
VW	Car	Car SUV	1976																																
VW	Car	Car SUV	1977																																
VW	Car	Car SUV	1978																																
VW	Car	Car SUV	1979																																
VW	Car	Car SUV	1980																																
VW	Car	Car SUV	1981																																
VW	Car	Car SUV	1982																																
VW	Car	Car SUV	1983																																
VW	Car	Car SUV	1984																																
VW	Car	Car SUV	1985																																
VW	Car	Car SUV	1986																																
VW	Car	Car SUV	1987																																
VW	Car	Car SUV	1988																																
VW	Car	Car SUV	1989																																
VW	Car	Car SUV	1990																																
VW	Car	Car SUV	1991																																
VW	Car	Car SUV	1992																																
VW	Car	Car SUV	1993																																
VW	Car	Car SUV	1994																																
VW	Car	Car SUV	1995																																
VW	Car	Car SUV	1996																																
VW	Car	Car SUV	1997																																
VW	Car	Car SUV	1998																																
VW	Car	Car SUV	1999																																
VW	Car	Car SUV	2000																																
VW	Car	Car SUV	2001																																
VW	Car	Car SUV	2002																																
VW	Car	Car SUV	2003																																
VW	Car	Car SUV	2004																																
VW	Car	Car SUV	2005																																
VW	Car	Car SUV	2006																																
VW	Car	Car SUV	2007																																
VW	Car	Car SUV	2008																																
VW	*Car*	*Car SUV*	*2009*																																
VW	*Car*	*Car SUV*	*2010*																																
VW	*Car*	*Car SUV*	*2011*																																
VW	*Car*	*Car SUV*	*2012*	*30.8*	*21.3*	*26.3*	*23.9*	*4000*		*121*	*211*	*8.3*	*1.743*	*0.0528*	*61.2*			*100.0%*			*3.3%*		*96.7%*				*100.0%*				*100.0%*	*100.0%*				
VW	*Car*	*Car SUV*	*2013*	*30.1*	*20.7*	*26.1*	*23.5*	*4000*		*121*	*200*	*8.6*	*1.652*	*0.0500*	*60.2*			*100.0%*			*0.9%*		*99.1%*				*100.0%*				*100.0%*	*100.0%*				
VW	*Car*	*Car SUV*	*2014*	*29.4*	*20.4*	*25.3*	*22.9*	*4000*		*121*	*200*	*8.6*	*1.652*	*0.0500*	*58.9*			*100.0%*			*2.1%*		*97.9%*				*100.0%*				*100.0%*	*100.0%*				
VW	*Car*	*Car SUV*	*2015*	*29.4*	*20.4*	*25.1*	*22.9*	*4000*		*121*	*200*	*8.6*	*1.652*	*0.0500*	*58.8*			*100.0%*					*100.0%*				*100.0%*				*100.0%*	*100.0%*				
VW	*Car*	*Car SUV*	*2016*	*29.2*	*20.3*	*25.0*	*22.7*	*4000*		*121*	*200*	*8.6*	*1.652*	*0.0500*	*58.6*			*100.0%*					*100.0%*				*100.0%*				*100.0%*	*100.0%*				
VW	Car	Car SUV	2017	28.0	19.5	24.1	21.9	4093		132	219	8.4	1.651	0.0523	57.4			95.4%	4.6%				100.0%				95.4%	4.6%			100.0%	100.0%				

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Car	All	1975	26.5	20.0	26.9	22.6	2371		95	69		0.726	0.0290	31.5			73.7%		26.3%	72.4%	24.7%	2.9%			54.5%		45.5%						100.0%		
VW	Car	All	1976	27.5	21.4	26.6	23.4	2343		100	75		0.742	0.0317	32.3			79.9%		20.1%	71.9%	28.1%				61.6%		38.4%						100.0%		
VW	Car	All	1977	28.8	22.0	28.8	24.6	2358		99	74		0.746	0.0315	34.7			89.2%		10.8%	80.7%	19.3%				27.8%		65.3%		6.8%				100.0%		
VW	Car	All	1978	27.2	20.9	26.8	23.2	2410		98	76	14.8	0.765	0.0310	33.9			90.2%		9.8%	73.7%	26.3%				1.0%		86.5%		12.5%				100.0%		
VW	Car	All	1979	28.6	22.0	28.1	24.4	2389		98	73	16.7	0.735	0.0301	35.8			90.4%		9.6%	79.2%	20.8%				0.0%		77.7%		22.2%				100.0%		
VW	Car	All	1980	31.2	24.0	30.7	26.6	2385		99	70	17.4	0.697	0.0292	39.2			96.0%		4.0%	84.0%	16.0%				3.6%		60.2%		36.2%				100.0%		
VW	Car	All	1981	34.2	26.4	33.6	29.2	2403		106	69	17.2	0.642	0.0284	43.4			97.4%		2.6%	85.1%	14.9%						52.8%		47.2%				100.0%		
VW	Car	All	1982	32.8	25.7	31.4	28.0	2478		109	75	17.7	0.678	0.0299	42.9			95.4%		4.6%	78.0%	22.0%				3.0%		69.0%		28.0%				100.0%		
VW	Car	All	1983	30.0	23.3	29.1	25.6	2526		118	91	14.4	0.756	0.0354	39.2			86.5%	0.4%	13.2%	77.6%	22.4%				4.1%		83.0%		12.9%				100.0%		
VW	Car	All	1984	28.4	22.1	27.4	24.2	2631		119	93	14.4	0.769	0.0350	38.6			90.2%	1.1%	8.6%	66.1%	33.9%				3.8%		85.9%		10.3%				78.7%	21.3%	
VW	Car	All	1985	29.5	22.9	28.5	25.1	2684		121	99	13.7	0.806	0.0363	40.7			91.0%	1.5%	7.5%	64.5%	35.5%						91.1%		8.9%				81.8%	18.2%	
VW	Car	All	1986	29.0	22.3	28.0	24.6	2689		121	105	12.7	0.855	0.0386	39.8			87.7%	3.0%	9.3%	65.2%	34.8%						94.9%		5.1%	4.4%			83.3%	16.7%	
VW	Car	All	1987	28.3	21.9	26.9	24.0	2732		121	110	12.6	0.893	0.0398	39.1			84.8%	3.8%	11.4%	69.4%	30.6%						100.0%			8.4%			89.8%	10.2%	
VW	Car	All	1988	29.7	22.7	28.2	25.0	2692		118	106	12.9	0.882	0.0387	40.2			89.3%	3.1%	7.6%	76.5%	23.5%						100.0%			7.7%			96.3%	3.7%	
VW	Car	All	1989	29.3	22.2	28.0	24.6	2754		119	108	12.5	0.894	0.0387	40.9			91.8%	1.7%	6.6%	71.7%	28.3%						97.5%	0.1%	2.4%	7.7%			92.0%	8.0%	
VW	Car	All	1990	28.3	21.2	27.3	23.7	2929		122	119	11.4	0.966	0.0399	41.7			92.9%	2.2%	4.8%	60.1%	28.5%	11.4%					98.9%		1.1%	18.7%			79.5%	20.5%	
VW	Car	All	1991	28.9	21.3	28.2	24.2	2943		121	115	12.0	0.929	0.0382	43.1			92.1%	2.5%	5.4%	58.9%	21.9%	19.2%					95.8%		4.2%	21.2%			77.4%	22.6%	
VW	Car	All	1992	28.7	20.9	28.1	23.9	2976		125	120	11.3	0.948	0.0397	42.9			94.4%	2.0%	3.5%	59.1%	19.7%	21.2%					98.9%		1.1%	20.4%	1.4%		71.2%	28.8%	
VW	Car	All	1993	26.5	19.1	26.3	22.1	3131		146	141	9.7	0.946	0.0438	41.6			83.1%	12.2%	4.6%	58.4%	2.1%	39.5%					100.0%			5.6%	1.7%		71.2%	28.8%	
VW	Car	All	1994	27.7	19.9	27.1	23.0	3104		134	133	9.8	0.980	0.0424	43.2			85.5%	10.6%	3.8%	53.3%	0.6%	46.1%					100.0%			2.7%	1.8%		99.1%	0.9%	0.0%
VW	Car	All	1995	28.2	20.1	27.2	23.2	3125		138	138	9.8	0.988	0.0438	44.2			89.2%	5.3%	5.5%	62.4%	0.8%	36.8%					100.0%			1.4%	5.4%		89.4%	10.6%	
VW	Car	All	1996	27.8	19.6	27.1	22.9	3160		138	137	10.4	0.977	0.0429	44.6			86.1%	11.2%	2.7%	58.3%	0.5%	41.2%					97.0%		3.0%	0.0%	4.3%		88.5%	11.5%	
VW	Car	All	1997	28.1	19.8	27.1	23.0	3151		138	140	10.2	1.008	0.0441	44.9			80.5%	13.8%	5.7%	59.6%	1.2%	39.3%					98.0%		2.0%	9.3%	6.7%		92.0%	8.0%	
VW	Car	All	1998	28.4	19.8	27.6	23.2	3206		134	142	10.5	1.056	0.0438	46.4			77.5%	18.3%	4.2%	54.6%	0.8%	44.5%					94.9%		5.1%	34.9%	20.8%		81.2%	18.8%	
VW	Car	All	1999	27.9	19.3	27.1	22.8	3256		134	148	10.3	1.099	0.0450	46.0			78.2%	15.1%	6.7%	39.6%	1.7%	58.8%					97.5%		2.5%	44.8%	25.6%		71.2%	28.8%	0.0%
VW	Car	All	2000	28.2	19.5	26.8	22.9	3252		135	153	9.6	1.123	0.0463	46.7			80.5%	14.6%	4.9%	46.8%	1.2%	52.1%					94.8%		5.2%	45.4%	18.5%		76.8%	23.1%	0.2%
VW	Car	All	2001	27.8	19.1	26.4	22.5	3327		136	163	9.2	1.207	0.0485	47.0			72.9%	23.1%	4.0%	44.8%	1.2%	54.0%					95.4%		4.6%	57.3%	27.8%		76.4%	23.2%	0.4%
VW	Car	All	2002	28.7	19.5	27.2	23.1	3394		132	165	9.5	1.263	0.0482	49.7			76.4%	19.8%	3.9%	30.7%	1.1%	66.4%	1.7%				92.4%		7.6%	61.3%	13.7%		75.5%	24.3%	0.1%
VW	Car	All	2003	29.1	19.7	27.3	23.3	3442		131	166	9.5	1.269	0.0476	51.0			79.6%	17.4%	2.9%	33.5%		63.0%	3.5%				93.3%		6.7%	64.4%	15.9%		72.6%	27.3%	0.1%
VW	Car	All	2004	28.2	18.9	26.6	22.6	3534		137	177	9.2	1.291	0.0493	50.7			69.3%	28.0%	2.6%	28.5%	0.8%	66.9%	3.9%				93.3%		6.7%	65.6%	17.5%		72.0%	25.0%	3.0%
VW	Car	All	2005	28.4	18.8	26.9	22.7	3607		146	182	9.2	1.238	0.0494	52.3			67.8%	27.1%	5.1%	23.0%	0.5%	72.2%	4.3%				89.0%		11.0%	69.3%	20.4%		78.2%	20.1%	1.7%
VW	Car	All	2006	29.6	19.6	27.9	23.6	3627		150	192	8.8	1.287	0.0523	55.0			75.4%	19.0%	5.6%	21.9%	0.7%	72.9%	4.5%				87.4%		12.6%	86.4%	48.0%		75.0%	23.9%	1.1%
VW	Car	All	2007	28.4	18.8	27.0	22.8	3679		155	205	8.3	1.334	0.0551	52.7			73.2%	21.4%	5.3%	24.5%		70.4%	5.1%				100.0%			100.0%	15.9%		81.3%	17.7%	1.0%
VW	Car	All	2008	28.8	19.0	27.2	23.0	3650		153	209	8.1	1.378	0.0569	52.9			73.1%	22.7%	4.2%	18.0%		77.2%	4.9%			44.7%	55.3%			99.9%	19.5%		82.6%	16.8%	0.6%
VW	*Car*	*All*	*2009*	*30.8*	*20.2*	*28.6*	*24.4*	*3630*		*145*	*188*	*8.3*	*1.375*	*0.0545*	*52.3*			*75.2%*	*22.0%*	*3.0%*	*16.0%*	*1.5%*	*80.1%*	*2.5%*			*46.0%*	*57.2%*		*14.3%*	*99.6%*	*19.5%*		*82.3%*	*17.1%*	*0.6%*
VW	*Car*	*All*	*2010*	*32.7*	*21.7*	*30.1*	*25.8*	*3626*		*142*	*195*	*8.5*	*1.379*	*0.0532*	*60.9*			*79.0%*	*18.5%*	*2.5%*	*15.6%*	*36.6%*	*44.5%*	*3.4%*			*46.6%*	*52.5%*		*20.9%*	*100.0%*	*79.8%*		*80.7%*	*17.1%*	*2.2%*
VW	*Car*	*All*	*2011*	*33.0*	*22.6*	*31.1*	*26.7*	*3643*		*146*	*197*	*8.5*	*1.340*	*0.0531*	*61.6*			*73.9%*	*22.0%*	*4.1%*	*16.0%*	*0.4%*	*80.0%*	*3.6%*			*39.6%*	*41.0%*		*19.4%*	*93.5%*	*71.5%*		*92.8%*	*3.2%*	*4.0%*
VW	*Car*	*All*	*2012*	*32.8*	*22.4*	*30.9*	*26.6*	*3621*		*144*	*197*	*8.5*	*1.359*	*0.0536*	*60.6*			*80.8%*	*16.7%*	*2.4%*	*13.7%*	*13.8%*	*71.0%*	*1.5%*			*40.0%*	*43.6%*		*16.5%*	*94.6%*	*78.1%*	*0.1%*			
VW	*Car*	*All*	*2013*	*33.2*	*22.6*	*31.0*	*26.7*	*3626*		*142*	*195*	*8.5*	*1.361*	*0.0529*	*61.6*			*78.6%*	*18.6%*	*2.9%*	*9.6%*	*2.0%*	*86.4%*	*2.0%*			*40.7%*	*40.8%*		*18.5%*	*95.2%*	*76.8%*	*1.1%*			
VW	*Car*	*All*	*2014*	*34.2*	*23.0*	*31.8*	*27.3*	*3637*		*133*	*199*	*8.5*	*1.476*	*0.0537*	*63.5*			*74.5%*	*21.5%*	*4.0%*	*9.2%*	*4.7%*	*84.0%*	*2.1%*			*65.7%*	*15.8%*		*18.6%*	*91.1%*	*72.6%*	*0.5%*			
VW	*Car*	*All*	*2015*	*35.8*	*23.6*	*33.0*	*28.2*	*3635*		*127*	*199*	*8.4*	*1.556*	*0.0541*	*67.7*			*73.5%*	*23.8%*	*2.7%*	*8.8%*	*3.6%*	*86.1%*	*1.4%*			*76.5%*	*8.1%*		*14.7%*	*91.7%*	*77.0%*	*0.3%*			
VW	*Car*	*All*	*2016*	*35.9*	*23.6*	*33.0*	*28.1*	*3706*		*122*	*200*	*8.0*	*1.710*	*0.0576*	*70.2*			*69.1%*	*27.9%*	*3.0%*	*8.4%*	*2.9%*	*87.0%*	*0.9%*			*87.6%*	*0.5%*		*0.4%*	*98.6%*	*98.1%*	*1.1%*			
VW	Car	All	2017	35.4	23.5	32.0	27.7	3698		120	215	8.0	1.769	0.0571	68.0			64.9%	33.0%	2.2%	8.8%	4.2%	87.0%				98.2%	1.1%			99.2%	99.3%	0.8%			

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Truck	Van	1975	20.7	16.2	19.8	17.6	3497		109	67		0.615	0.0192	36.2					100.0%	70.8%	29.2%							100.0%							
VW	Truck	Van	1976	19.9	15.1	20.1	17.0	3500		120	67		0.558	0.0191	34.9					100.0%	84.8%	15.2%							100.0%							
VW	Truck	Van	1977	22.2	17.2	21.5	18.9	3500		120	67		0.558	0.0191	38.9					100.0%	89.9%	10.1%							100.0%							
VW	Truck	Van	1978	20.0	15.7	19.1	17.0	3500		120	67	20.9	0.558	0.0191	35.0					100.0%	85.0%	15.0%							100.0%							
VW	Truck	Van	1979	18.7	14.8	17.6	16.0	3500		120	67	22.3	0.558	0.0191	32.9					100.0%	81.2%	18.8%							100.0%							
VW	Truck	Van	1980	19.0	14.7	18.6	16.2	3619		120	67	23.2	0.558	0.0186	34.4					100.0%	82.9%	17.1%							100.0%							
VW	Truck	Van	1981	18.5	14.6	17.4	15.8	3644		120	67	23.2	0.558	0.0185	33.8					100.0%	81.2%	18.8%							100.0%							
VW	Truck	Van	1982	21.7	17.7	19.4	18.4	3668		111	61	26.7	0.550	0.0168	42.1					100.0%	89.0%	11.0%							61.7%	38.3%						
VW	Truck	Van	1983	19.3	15.3	18.0	16.4	3625		119	69	22.2	0.585	0.0192	35.3					100.0%	78.9%	21.1%							97.7%	2.3%						
VW	Truck	Van	1984	20.7	16.6	18.9	17.6	3627		117	82	19.7	0.701	0.0227	37.5					100.0%	74.3%	25.7%							100.0%							
VW	Truck	Van	1985	21.3	17.2	19.2	18.1	3656		117	82	19.5	0.701	0.0225	39.0					100.0%	71.6%	28.4%							100.0%							
VW	Truck	Van	1986	19.2	15.7	17.0	16.2	3764		129	90	17.7	0.698	0.0240	36.2					100.0%	69.8%	30.2%							100.0%							
VW	Truck	Van	1987	18.9	15.4	16.6	15.9	3818		129	90	18.2	0.698	0.0237	36.2				18.1%	81.9%	53.9%	28.0%			18.1%				100.0%							
VW	Truck	Van	1988	19.9	16.1	17.4	16.7	3868		129	90	18.7	0.698	0.0234	38.6					100.0%	56.0%	44.0%							100.0%							
VW	Truck	Van	1989	20.8	16.9	17.9	17.4	4042		129	90	18.5	0.698	0.0223	42.2				8.5%	91.5%	51.3%	40.3%			8.5%				100.0%							
VW	Truck	Van	1990	20.8	16.7	17.8	17.3	4020		129	90	17.6	0.698	0.0224	41.9				51.7%	48.3%	47.4%	48.6%			4.0%				100.0%							
VW	Truck	Van	1991	20.9	16.5	18.3	17.3	4021		129	90	17.5	0.698	0.0224	42.1				6.8%	93.2%	44.4%	55.6%							100.0%							
VW	Truck	Van	1992																																	
VW	Truck	Van	1993	21.0	16.0	19.0	17.4	4157		150	109	13.9	0.727	0.0263	43.7			100.0%			35.7%		64.3%						100.0%							
VW	Truck	Van	1994	20.1	15.1	18.6	16.6	4260		150	109	13.9	0.727	0.0257	42.8			100.0%			48.0%		52.0%						100.0%							
VW	Truck	Van	1995	19.6	14.8	17.5	16.1	5000		150	109	16.5	0.727	0.0218	48.9			100.0%			43.8%		56.2%						100.0%							
VW	Truck	Van	1996																																	
VW	Truck	Van	1997	18.5	13.4	17.5	15.3	5490		170	140	14.9	0.824	0.0255	50.8			100.0%					100.0%						100.0%							
VW	Truck	Van	1998																																	
VW	Truck	Van	1999	19.1	13.5	18.3	15.7	4897		170	140	14.3	0.824	0.0289	46.7			100.0%					100.0%						100.0%							
VW	Truck	Van	2000	19.0	13.3	18.2	15.6	5116		170	140	14.0	0.824	0.0276	48.5			100.0%					100.0%						100.0%							
VW	Truck	Van	2001	20.7	14.8	18.7	16.7	4850		170	201	10.6	1.182	0.0418	50.0			100.0%					100.0%						100.0%			100.0%				
VW	Truck	Van	2002	20.9	14.9	18.6	16.8	4638		170	201	10.5	1.182	0.0435	48.3			100.0%					100.0%						100.0%			100.0%				
VW	Truck	Van	2003	20.9	14.8	18.5	16.7	4564		170	201	10.3	1.182	0.0441	47.6			100.0%					100.0%						100.0%			100.0%				
VW	Truck	Van	2004																																	
VW	Truck	Van	2005																																	
VW	Truck	Van	2006																																	
VW	Truck	Van	2007																																	
VW	Truck	Van	2008																																	
VW	*Truck*	*Van*	*2009*																																	
VW	*Truck*	*Van*	*2010*																																	
VW	*Truck*	*Van*	*2011*																																	
VW	*Truck*	*Van*	*2012*																																	
VW	*Truck*	*Van*	*2013*																																	
VW	*Truck*	*Van*	*2014*																																	
VW	*Truck*	*Van*	*2015*																																	
VW	*Truck*	*Van*	*2016*																																	
VW	Truck	Van	2017																																	

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Truck	Truck SUV	1975																																
VW	Truck	Truck SUV	1976																																
VW	Truck	Truck SUV	1977																																
VW	Truck	Truck SUV	1978																																
VW	Truck	Truck SUV	1979																																
VW	Truck	Truck SUV	1980																																
VW	Truck	Truck SUV	1981																																
VW	Truck	Truck SUV	1982																																
VW	Truck	Truck SUV	1983																																
VW	Truck	Truck SUV	1984																																
VW	Truck	Truck SUV	1985																																
VW	Truck	Truck SUV	1986																																
VW	Truck	Truck SUV	1987																																
VW	Truck	Truck SUV	1988																																
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VW	Truck	Truck SUV	1992																																
VW	Truck	Truck SUV	1993																																
VW	Truck	Truck SUV	1994																																
VW	Truck	Truck SUV	1995																																
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VW	Truck	Truck SUV	1999																																
VW	Truck	Truck SUV	2000																																
VW	Truck	Truck SUV	2001																																
VW	Truck	Truck SUV	2002																																
VW	Truck	Truck SUV	2003	18.0	12.4	17.3	14.7	5500		275	367	7.4	1.334	0.0667	49.5				100.0%			1.334		100.0%					100.0%				100.0%					
VW	Truck	Truck SUV	2004	18.7	12.8	17.7	15.2	5472		238	292	8.6	1.221	0.0534	51.3				100.0%					100.0%					99.0%		1.0%	99.0%	99.0%				
VW	Truck	Truck SUV	2005	19.1	13.1	17.9	15.5	5382		231	292	8.5	1.257	0.0541	51.7				100.0%			0.4%		99.6%					100.0%				100.0%	100.0%				
VW	Truck	Truck SUV	2006	19.1	13.1	17.9	15.5	5407		236	299	8.5	1.264	0.0551	52.0				100.0%			0.3%		99.7%					97.8%		2.2%	97.8%	97.8%				
VW	Truck	Truck SUV	2007	19.5	13.5	17.9	15.7	5568		231	300	8.4	1.295	0.0539	54.5				100.0%					100.0%					98.7%		1.3%	98.7%	66.6%				
VW	Truck	Truck SUV	2008	20.1	13.6	19.1	16.3	5566		236	320	8.2	1.346	0.0574	56.1				100.0%			0.6%		99.4%				94.6%	5.1%		0.3%	99.7%	99.7%				
VW	*Truck*	*Truck SUV*	*2009*	*23.5*	*16.0*	*21.7*	*18.8*	*4776*		*185*	*250*	*8.1*	*1.456*	*0.0539*	*56.1*			*24.5%*	*75.5%*			*1.4%*		*98.6%*				*95.9%*			*4.1%*	*100.0%*	*95.7%*				
VW	*Truck*	*Truck SUV*	*2010*	*24.8*	*17.0*	*22.3*	*19.7*	*4627*		*175*	*248*	*8.5*	*1.449*	*0.0537*	*57.3*			*19.4%*	*80.6%*			*0.8%*	*34.2%*	*65.0%*				*91.5%*			*8.5%*	*100.0%*	*95.1%*				
VW	*Truck*	*Truck SUV*	*2011*	*26.6*	*18.2*	*24.3*	*21.2*	*4625*		*165*	*253*	*8.2*	*1.570*	*0.0544*	*61.4*			*16.2%*	*83.8%*			*0.5%*		*99.5%*				*91.4%*			*8.6%*	*100.0%*	*100.0%*	*2.1%*			
VW	*Truck*	*Truck SUV*	*2012*	*26.9*	*18.3*	*24.6*	*21.5*	*4737*		*170*	*258*	*8.1*	*1.558*	*0.0544*	*63.8*				*100.0%*			*0.2%*		*99.8%*				*88.5%*			*11.5%*	*100.0%*	*88.5%*	*2.3%*			
VW	*Truck*	*Truck SUV*	*2013*	*27.1*	*18.2*	*25.0*	*21.5*	*4786*		*169*	*264*	*8.0*	*1.597*	*0.0550*	*65.1*				*100.0%*			*0.1%*		*99.9%*				*85.5%*			*14.5%*	*100.0%*	*85.5%*	*2.0%*			
VW	*Truck*	*Truck SUV*	*2014*	*27.2*	*18.3*	*25.2*	*21.7*	*4801*		*171*	*268*	*7.9*	*1.597*	*0.0558*	*65.7*				*100.0%*			*0.1%*		*99.9%*				*79.7%*			*20.3%*	*100.0%*	*79.7%*	*1.3%*			
VW	*Truck*	*Truck SUV*	*2015*	*27.0*	*18.2*	*25.0*	*21.5*	*4795*		*162*	*264*	*7.9*	*1.641*	*0.0553*	*65.3*				*100.0%*				*12.5%*	*87.5%*				*84.4%*			*15.6%*	*100.0%*	*84.4%*	*0.7%*			
VW	*Truck*	*Truck SUV*	*2016*	*28.1*	*19.0*	*25.5*	*22.2*	*4591*		*160*	*267*	*7.9*	*1.670*	*0.0574*	*65.3*				*100.0%*				*9.4%*	*90.6%*				*93.2%*			*6.8%*	*100.0%*	*93.2%*	*1.8%*			
VW	Truck	Truck SUV	2017	27.4	18.7	24.5	21.6	4566		157	272	7.7	1.745	0.0590	62.9				100.0%				11.0%	89.0%				83.6%	16.4%			100.0%	100.0%	0.8%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Truck	Pickup	1975																																
VW	Truck	Pickup	1976																																
VW	Truck	Pickup	1977																																
VW	Truck	Pickup	1978																																
VW	Truck	Pickup	1979																																
VW	Truck	Pickup	1980	31.3	24.8	29.4	26.7	2265		94	65	18.3	0.685	0.0286	37.6			100.0%			94.0%	6.0%							57.3%	42.7%						
VW	Truck	Pickup	1981	36.9	29.1	34.8	31.4	2318		99	59	19.1	0.592	0.0253	43.6			100.0%			100.0%								27.2%	72.8%						
VW	Truck	Pickup	1982	39.2	31.8	35.4	33.3	2310		99	58	20.4	0.584	0.0250	46.2			100.0%			100.0%								23.9%	76.1%						
VW	Truck	Pickup	1983	35.7	28.3	33.3	30.3	2379		101	65	17.6	0.640	0.0272	43.5			100.0%			100.0%								51.5%	48.5%						
VW	Truck	Pickup	1984																																
VW	Truck	Pickup	1985																																
VW	Truck	Pickup	1986																																
VW	Truck	Pickup	1987																																
VW	Truck	Pickup	1988																																
VW	Truck	Pickup	1989																																
VW	Truck	Pickup	1990																																
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VW	Truck	Pickup	2007																																
VW	Truck	Pickup	2008																																
VW	*Truck*	*Pickup*	*2009*																																
VW	*Truck*	*Pickup*	*2010*																																
VW	*Truck*	*Pickup*	*2011*																																
VW	*Truck*	*Pickup*	*2012*																																
VW	*Truck*	*Pickup*	*2013*																																
VW	*Truck*	*Pickup*	*2014*																																
VW	*Truck*	*Pickup*	*2015*																																
VW	*Truck*	*Pickup*	*2016*																																
VW	Truck	Pickup	2017																																

				Fuel Economy (MPG)														Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	Truck	All	1975	20.7	16.2	19.8	17.6	3497		109	67		0.615	0.0192	36.2					100.0%	70.8%	29.2%								100.0%							
VW	Truck	All	1976	19.9	15.1	20.1	17.0	3500		120	67		0.558	0.0191	34.9					100.0%	84.8%	15.2%								100.0%							
VW	Truck	All	1977	22.2	17.2	21.5	18.9	3500		120	67		0.558	0.0191	38.9					100.0%	89.9%	10.1%								100.0%							
VW	Truck	All	1978	20.0	15.7	19.1	17.0	3500		120	67	20.9	0.558	0.0191	35.0					100.0%	85.0%	15.0%								100.0%							
VW	Truck	All	1979	18.7	14.8	17.6	16.0	3500		120	67	22.3	0.558	0.0191	32.9					100.0%	81.2%	18.8%								100.0%							
VW	Truck	All	1980	25.2	19.7	24.2	21.5	2770		104	66	20.1	0.638	0.0249	36.4			62.7%		37.3%	89.9%	10.1%								73.2%	26.8%						
VW	Truck	All	1981	29.5	23.3	27.8	25.1	2652		104	61	20.1	0.584	0.0236	41.2			74.8%		25.2%	95.3%	4.7%								45.5%	54.5%						
VW	Truck	All	1982	27.8	22.6	24.9	23.6	3002		105	60	23.6	0.567	0.0208	44.1			49.0%		51.0%	94.4%	5.6%								43.2%	56.8%						
VW	Truck	All	1983	20.3	16.1	19.0	17.3	3488		117	69	21.7	0.591	0.0201	36.2			11.0%		89.0%	81.2%	18.8%								92.6%	7.4%						
VW	Truck	All	1984	20.7	16.6	18.9	17.6	3627		117	82	19.7	0.701	0.0227	37.5					100.0%	74.3%	25.7%								100.0%							
VW	Truck	All	1985	21.3	17.2	19.2	18.1	3656		117	82	19.5	0.701	0.0225	39.0					100.0%	71.6%	28.4%								100.0%							
VW	Truck	All	1986	19.2	15.7	17.0	16.2	3764		129	90	17.7	0.698	0.0240	36.2					100.0%	69.8%	30.2%							100.0%								
VW	Truck	All	1987	18.9	15.4	16.6	15.9	3818		129	90	18.2	0.698	0.0237	36.2				18.1%	81.9%	53.9%	28.0%			18.1%				100.0%							
VW	Truck	All	1988	19.9	16.1	17.4	16.7	3868		129	90	18.7	0.698	0.0234	38.6					100.0%	56.0%	44.0%							100.0%								
VW	Truck	All	1989	20.8	16.9	17.9	17.4	4042		129	90	18.5	0.698	0.0223	42.2				8.5%	91.5%	51.3%	40.3%			8.5%				100.0%							
VW	Truck	All	1990	20.8	16.7	17.8	17.3	4020		129	90	17.6	0.698	0.0224	41.9				51.7%	48.3%	47.4%	48.6%			4.0%				100.0%							
VW	Truck	All	1991	20.9	16.5	18.3	17.3	4021		129	90	17.5	0.698	0.0224	42.1				6.8%	93.2%	44.4%	55.6%							100.0%							
VW	Truck	All	1992																																	
VW	Truck	All	1993	21.0	16.0	19.0	17.4	4157		150	109	13.9	0.727	0.0263	43.7			100.0%			35.7%		64.3%						100.0%							
VW	Truck	All	1994	20.1	15.1	18.6	16.6	4260		150	109	13.9	0.727	0.0257	42.8			100.0%			48.0%		52.0%						100.0%							
VW	Truck	All	1995	19.6	14.8	17.5	16.1	5000		150	109	16.5	0.727	0.0218	48.9			100.0%			43.8%		56.2%						100.0%							
VW	Truck	All	1996																																	
VW	Truck	All	1997	18.5	13.4	17.5	15.3	5490		170	140	14.9	0.824	0.0255	50.8			100.0%					100.0%						100.0%							
VW	Truck	All	1998																																	
VW	Truck	All	1999	19.1	13.5	18.3	15.7	4897		170	140	14.3	0.824	0.0289	46.7			100.0%					100.0%						100.0%							
VW	Truck	All	2000	19.0	13.3	18.2	15.6	5116		170	140	14.0	0.824	0.0276	48.5			100.0%					100.0%						100.0%							
VW	Truck	All	2001	20.7	14.8	18.7	16.7	4850		170	201	10.6	1.182	0.0418	50.0			100.0%					100.0%						100.0%		100.0%					
VW	Truck	All	2002	20.9	14.9	18.6	16.8	4638		170	201	10.5	1.182	0.0435	48.3			100.0%					100.0%						100.0%		100.0%					
VW	Truck	All	2003	20.2	14.2	18.3	16.2	4766		193	237	9.7	1.215	0.0490	48.0			78.5%	21.5%				100.0%						100.0%		100.0%	21.5%				
VW	Truck	All	2004	18.7	12.8	17.7	15.2	5472		238	292	8.6	1.221	0.0534	51.3				100.0%				100.0%						99.0%		1.0%	99.0%	99.0%			
VW	Truck	All	2005	19.1	13.1	17.9	15.5	5382		231	292	8.5	1.257	0.0541	51.7				100.0%		0.4%		99.6%						100.0%			100.0%	100.0%			
VW	Truck	All	2006	19.1	13.1	17.9	15.5	5407		236	299	8.5	1.264	0.0551	52.0				100.0%		0.3%		99.7%						97.8%		2.2%	97.8%	97.8%			
VW	Truck	All	2007	19.5	13.5	17.9	15.7	5568		231	300	8.4	1.295	0.0539	54.5				100.0%				100.0%						98.7%		1.3%	98.7%	66.6%			
VW	Truck	All	2008	20.1	13.6	19.1	16.3	5566		236	320	8.2	1.346	0.0574	56.1				100.0%		0.6%		99.4%					94.6%	5.1%		0.3%	99.7%	99.7%			
VW	*Truck*	*All*	*2009*	*21.5*	*16.0*	*21.7*	*18.6*	*4776*		*185*	*250*	*8.3*	*1.456*	*0.0538*	*56.1*			*24.5%*	*75.5%*		*1.4%*		*98.6%*					*95.9%*		*4.1%*	*100.0%*	*95.7%*			
VW	*Truck*	*All*	*2010*	*24.8*	*17.0*	*22.3*	*19.7*	*4627*		*175*	*248*	*8.5*	*1.449*	*0.0537*	*57.3*			*19.4%*	*80.6%*		*0.8%*	*34.2%*	*65.0%*					*91.5%*		*8.5%*	*100.0%*	*95.1%*			
VW	*Truck*	*All*	*2011*	*26.6*	*18.2*	*24.3*	*21.2*	*4625*		*165*	*253*	*8.2*	*1.570*	*0.0544*	*61.4*			*16.2%*	*83.8%*		*0.5%*		*99.5%*					*91.4%*		*8.6%*	*100.0%*	*100.0%*	*2.1%*		
VW	*Truck*	*All*	*2012*	*26.9*	*18.3*	*24.6*	*21.5*	*4737*		*170*	*258*	*8.1*	*1.558*	*0.0544*	*63.8*				*100.0%*		*0.2%*		*99.8%*					*88.5%*		*11.5%*	*100.0%*	*88.5%*	*2.3%*		
VW	*Truck*	*All*	*2013*	*27.1*	*18.2*	*25.0*	*21.5*	*4786*		*169*	*264*	*8.0*	*1.597*	*0.0550*	*65.1*				*100.0%*		*0.1%*		*99.9%*					*85.5%*		*14.5%*	*100.0%*	*85.5%*	*2.0%*		
VW	*Truck*	*All*	*2014*	*27.2*	*18.3*	*25.2*	*21.7*	*4801*		*171*	*268*	*7.9*	*1.597*	*0.0550*	*65.7*				*100.0%*		*0.1%*		*99.9%*					*79.7%*		*20.3%*	*100.0%*	*79.7%*	*1.3%*		
VW	*Truck*	*All*	*2015*	*27.0*	*18.2*	*25.0*	*21.5*	*4795*		*162*	*264*	*7.9*	*1.641*	*0.0553*	*65.3*				*100.0%*			*12.5%*	*87.5%*					*84.4%*		*15.6%*	*100.0%*	*84.4%*	*0.7%*		
VW	*Truck*	*All*	*2016*	*28.1*	*19.0*	*26.5*	*22.7*	*4591*		*160*	*267*	*7.9*	*1.670*	*0.0574*	*65.3*				*100.0%*			*9.4%*	*90.6%*					*93.2%*		*6.8%*	*100.0%*	*93.2%*	*1.8%*		
VW	Truck	All	2017	27.4	18.7	24.5	21.6	4566		157	272	7.7	1.745	0.0590	62.9				100.0%			11.0%	89.0%					83.6%	16.4%			100.0%	100.0%	0.8%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
VW	All	All	1975	26.4	20.0	26.9	22.6	2375		95	69		0.725	0.0290	31.5			73.5%		26.5%	72.4%	24.7%	2.9%			54.3%		45.4%	0.3%							
VW	All	All	1976	27.4	21.3	26.5	23.4	2350		100	74		0.741	0.0316	32.4			79.4%		20.6%	72.0%	28.0%				61.2%		38.2%	0.6%							
VW	All	All	1977	28.8	22.0	28.7	24.6	2366		99	74		0.745	0.0314	34.7			88.6%		11.4%	80.8%	19.2%				27.6%		64.9%	0.7%	6.8%						
VW	All	All	1978	27.1	20.8	26.7	23.1	2420		98	75	14.8	0.764	0.0309	33.9			89.4%		10.6%	73.8%	26.2%				1.0%		85.7%	0.9%	12.4%						
VW	All	All	1979	28.0	21.5	27.5	23.9	2433		99	72	16.9	0.728	0.0297	35.7			86.8%		13.2%	79.3%	20.7%				0.0%		74.6%	4.0%	21.3%						
VW	All	All	1980	30.5	23.5	30.0	26.0	2420		100	70	17.6	0.691	0.0288	38.9			92.9%		7.1%	84.5%	15.5%				3.3%		54.7%	6.7%	35.3%						
VW	All	All	1981	33.5	25.9	32.7	28.6	2437		106	68	17.6	0.634	0.0278	43.1			94.3%		5.7%	86.4%	13.6%						45.6%	6.2%	48.2%						
VW	All	All	1982	32.2	25.3	30.5	27.4	2539		109	73	18.4	0.665	0.0289	43.0			90.0%		10.0%	79.9%	20.1%				2.6%		60.9%	5.0%	31.4%						
VW	All	All	1983	28.8	22.4	27.7	24.5	2616		118	89	15.1	0.741	0.0339	38.9			79.4%	0.3%	20.3%	77.9%	22.1%				3.7%		75.2%	8.7%	12.4%						
VW	All	All	1984	27.7	21.6	26.5	23.6	2702		119	92	14.7	0.764	0.0341	38.5			83.7%	1.0%	15.2%	66.7%	33.3%				3.5%		79.7%	7.2%	9.6%						
VW	All	All	1985	28.8	22.4	27.7	24.5	2747		121	97	14.1	0.799	0.0354	40.6			85.2%	1.4%	13.4%	65.0%	35.0%						85.3%	6.4%	8.3%						
VW	All	All	1986	28.5	22.0	27.4	24.2	2723		121	105	12.9	0.850	0.0381	39.7			84.9%	2.9%	12.1%	65.3%	34.7%						95.1%		4.9%						
VW	All	All	1987	27.7	21.5	26.2	23.4	2778		121	109	12.8	0.884	0.0391	39.0			81.1%	4.4%	14.4%	68.7%	30.5%			0.8%			100.0%								
VW	All	All	1988	29.4	22.5	27.9	24.8	2712		118	105	13.0	0.879	0.0384	40.2			87.8%	3.0%	9.2%	76.1%	23.9%						100.0%								
VW	All	All	1989	29.1	22.0	27.7	24.4	2783		119	108	12.7	0.889	0.0383	41.0			89.6%	1.8%	8.5%	71.3%	28.5%			0.2%			97.5%	0.1%	2.4%						
VW	All	All	1990	27.9	20.9	26.7	23.3	2979		122	118	11.7	0.953	0.0391	41.8			88.7%	4.5%	6.8%	59.5%	29.4%	10.9%		0.2%			99.0%		1.0%						
VW	All	All	1991	28.5	21.0	27.7	23.8	2985		121	114	12.2	0.920	0.0376	43.1			88.5%	2.7%	8.8%	58.3%	23.3%	18.4%					96.0%		4.0%						
VW	All	All	1992	28.7	20.9	28.1	23.9	2976		125	120	11.3	0.948	0.0397	42.9			94.4%	2.0%	3.5%	59.1%	19.7%	21.2%					98.9%		1.1%	20.4%	1.4%		71.2%	28.8%	
VW	All	All	1993	25.5	18.5	24.9	21.3	3279		146	136	10.3	0.914	0.0413	41.9			85.6%	10.5%	3.9%	55.1%	1.8%	43.1%					100.0%				1.4%				
VW	All	All	1994	27.7	19.9	27.0	23.0	3108		134	133	9.8	0.979	0.0424	43.2			85.6%	10.6%	3.8%	53.3%	0.6%	46.1%					100.0%			2.7%	1.8%				
VW	All	All	1995	28.0	20.1	27.0	23.1	3147		138	138	9.8	0.985	0.0435	44.3			89.4%	5.2%	5.4%	62.2%	0.8%	37.0%					100.0%			1.4%	5.4%				
VW	All	All	1996	27.8	19.6	27.1	22.9	3160		138	137	10.4	0.977	0.0429	44.6			86.1%	11.2%	2.7%	58.3%	0.5%	41.2%					97.0%		3.0%	0.0%	4.3%		88.5%	11.5%	
VW	All	All	1997	28.0	19.7	27.0	22.9	3172		138	140	10.2	1.007	0.0439	44.9			80.7%	13.7%	5.7%	59.0%	1.2%	39.8%					98.0%		2.0%	9.2%	6.6%				
VW	All	All	1998	28.4	19.8	27.6	23.2	3206		134	142	10.5	1.056	0.0438	46.4			77.5%	18.3%	4.2%	54.6%	0.8%	44.5%					94.9%		5.1%	34.9%	20.8%		81.2%	18.8%	
VW	All	All	1999	27.8	19.2	27.0	22.7	3267		134	148	10.3	1.098	0.0449	46.0			78.3%	15.0%	6.7%	39.3%	1.6%	59.0%					97.6%		2.4%	44.5%	25.4%				
VW	All	All	2000	28.1	19.5	26.7	22.8	3265		135	152	9.7	1.121	0.0462	46.7			80.6%	14.5%	4.9%	46.5%	1.2%	52.4%					94.9%		5.1%	45.1%	18.4%				
VW	All	All	2001	27.7	19.0	26.3	22.4	3338		136	164	9.2	1.206	0.0485	47.0			73.1%	23.0%	3.9%	44.5%	1.2%	54.3%					95.4%		4.6%	57.6%	27.6%				
VW	All	All	2002	28.5	19.4	27.0	23.0	3410		132	166	9.5	1.262	0.0481	49.7			76.7%	19.5%	3.8%	30.4%	1.1%	66.8%	1.7%				92.5%		7.5%	61.8%	13.5%				
VW	All	All	2003	28.9	19.6	27.1	23.2	3459		132	166	9.5	1.268	0.0476	50.9			79.6%	17.5%	2.9%	33.1%		63.5%	3.4%				93.4%		6.6%	64.9%	16.0%				
VW	All	All	2004	26.1	17.6	24.6	21.0	3844		153	196	9.1	1.280	0.0499	50.8			58.2%	39.6%	2.2%	24.0%	0.6%	72.2%	3.3%				94.2%		5.8%	71.0%	30.5%				
VW	All	All	2005	26.5	17.7	25.0	21.2	3867		158	198	9.1	1.241	0.0501	52.2			57.9%	37.7%	4.4%	19.7%	0.4%	76.2%	3.7%				90.6%		9.4%	73.8%	32.0%				
VW	All	All	2006	28.4	18.9	26.7	22.7	3763		156	200	8.7	1.285	0.0525	54.8			69.6%	25.2%	5.2%	20.3%	0.7%	74.9%	4.1%				88.2%		11.8%	87.3%	51.8%				
VW	All	All	2007	27.3	18.2	25.9	21.9	3848		161	214	8.3	1.331	0.0550	52.8			66.7%	28.5%	4.8%	22.3%		73.1%	4.7%				99.9%		0.1%	99.9%	20.4%				
VW	All	All	2008	27.3	18.1	25.9	21.9	3890		164	223	8.1	1.374	0.0569	53.3			63.9%	32.3%	3.7%	15.8%		80.0%	4.3%			51.0%	49.0%		0.0%	99.9%	29.5%				
VW	*All*	*All*	*2009*	*29.4*	*19.6*	*27.5*	*23.4*	*3805*		*151*	*208*	*8.1*	*1.386*	*0.0546*	*57.1*			*67.3%*	*30.2%*	*2.5%*	*16.8%*	*1.2%*	*81.9%*	*2.1%*			*55.4%*	*31.0%*		*12.7%*	*100.0%*	*29.9%*				
VW	*All*	*All*	*2010*	*31.2*	*20.8*	*28.6*	*24.7*	*3774*		*147*	*203*	*8.5*	*1.390*	*0.0533*	*60.3*			*70.1%*	*27.7%*	*2.1%*	*13.4%*	*36.2%*	*47.6%*	*2.9%*			*33.3%*	*27.7%*		*19.1%*	*100.0%*	*85.1%*				
VW	*All*	*All*	*2011*	*31.4*	*21.4*	*29.3*	*25.3*	*3855*		*150*	*209*	*8.5*	*1.389*	*0.0534*	*61.6*			*61.5%*	*35.3%*	*3.2%*	*12.7%*	*0.3%*	*84.2%*	*2.8%*			*50.7%*	*32.2%*		*17.1%*	*94.9%*	*77.6%*	*0.5%*			
VW	*All*	*All*	*2012*	*31.9*	*21.8*	*29.9*	*25.8*	*3767*		*148*	*205*	*8.4*	*1.385*	*0.0537*	*61.0*			*70.3%*	*27.6%*	*2.1%*	*12.0%*	*12.0%*	*74.7%*	*1.3%*			*46.3%*	*37.9%*		*15.8%*	*95.3%*	*70.5%*	*0.4%*			
VW	*All*	*All*	*2013*	*32.2*	*21.9*	*30.1*	*25.9*	*3779*		*146*	*204*	*8.5*	*1.392*	*0.0532*	*62.0*			*68.3%*	*29.3%*	*2.5%*	*8.3%*	*1.8%*	*88.1%*	*1.8%*			*46.6%*	*35.5%*		*17.9%*	*95.8%*	*77.9%*	*1.2%*			
VW	*All*	*All*	*2014*	*32.7*	*22.0*	*30.4*	*26.1*	*3841*		*140*	*211*	*8.4*	*1.497*	*0.0540*	*63.9*			*61.4%*	*35.3%*	*3.3%*	*7.6%*	*3.8%*	*86.8%*	*1.8%*			*68.1%*	*13.0%*		*18.9%*	*92.7%*	*73.9%*	*0.7%*			
VW	*All*	*All*	*2015*	*33.8*	*22.5*	*31.1*	*26.6*	*3852*		*134*	*211*	*8.3*	*1.572*	*0.0543*	*67.3*			*59.7%*	*38.1%*	*2.2%*	*7.2%*	*5.3%*	*86.4%*	*1.2%*			*78.0%*	*6.5%*		*14.9%*	*93.2%*	*78.4%*	*0.4%*			
VW	*All*	*All*	*2016*	*33.8*	*22.4*	*31.0*	*26.5*	*3894*		*130*	*220*	*8.0*	*1.707*	*0.0566*	*69.3*			*54.6%*	*43.2%*	*2.2%*	*8.6%*	*4.2%*	*88.4%*	*0.7%*			*86.7%*	*8.4%*		*4.8%*	*98.6%*	*97.0%*	*1.2%*			
VW	All	All	2017	33.6	22.4	30.3	26.3	3859		127	225	7.9	1.765	0.0575	67.1			52.9%	45.4%	1.8%	7.2%	5.4%	87.4%				95.5%	3.9%			99.4%	99.4%	0.8%			

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	Car	Car	1975	26.5	20.9	24.9	22.5	2346		83	58		0.699	0.0248	31.2			100.0%			91.3%	8.7%				100.0%								100.0%		
Subaru	Car	Car	1976	29.7	23.8	27.3	25.3	2366		88	61		0.696	0.0259	35.3			100.0%			63.9%	36.1%				100.0%								100.0%		
Subaru	Car	Car	1977	30.2	23.5	28.9	25.7	2353	90.0	97	65		0.674	0.0278	35.8	2737	3235	100.0%			82.5%	17.5%				100.0%								100.0%		
Subaru	Car	Car	1978	29.9	23.5	28.5	25.5	2376	89.6	97	67	15.4	0.691	0.0283	36.0	2709	3216	100.0%			81.0%	19.0%				100.0%								100.0%		
Subaru	Car	Car	1979	29.5	23.2	28.1	25.2	2404	93.0	97	67	17.0	0.691	0.0279	35.8	2761	3320	60.0%	40.0%		84.2%	15.8%				100.0%								100.0%		
Subaru	Car	Car	1980	28.1	21.7	27.6	24.0	2402	97.0	99	69	16.9	0.694	0.0286	34.2	2761	3310	66.0%	34.0%		84.0%	16.0%				100.0%								100.0%		
Subaru	Car	Car	1981	31.3	24.9	28.9	26.6	2400	98.0	107	70	16.4	0.658	0.0294	37.8	3083	3698	72.7%	27.3%		86.6%	13.4%				100.0%								100.0%		
Subaru	Car	Car	1982	31.7	25.2	29.4	26.9	2526	98.6	108	71	18.0	0.655	0.0280	40.1	3136	3957	73.6%	26.4%		81.2%	18.8%				100.0%								100.0%		
Subaru	Car	Car	1983	31.3	24.7	29.4	26.6	2557	98.8	108	73	16.4	0.675	0.0286	40.1	3098	3960	69.4%	30.6%		72.1%		27.9%			98.6%		1.4%						100.0%		
Subaru	Car	Car	1984	31.1	24.6	29.2	26.5	2583	97.9	108	73	16.4	0.679	0.0285	40.4	3063	3954	66.7%	33.3%		67.1%		32.9%			96.6%		3.4%						100.0%		
Subaru	Car	Car	1985	30.5	24.2	28.4	25.9	2632	106.3	109	86	14.7	0.791	0.0327	40.3	3251	4287	62.3%	37.7%		63.1%	10.8%	26.1%			74.3%		25.7%						91.0%	9.0%	
Subaru	Car	Car	1986	30.1	23.9	27.8	25.5	2672	106.7	108	89	13.9	0.819	0.0332	40.4	3222	4300	61.0%	39.0%		62.8%	11.8%	25.4%			55.3%		26.4%	18.2%					100.0%		
Subaru	Car	Car	1987	29.5	23.2	27.1	24.8	2727	108.7	107	90	14.3	0.842	0.0329	40.4	3226	4383	52.9%	47.1%		55.7%	17.2%	27.0%			42.0%		20.8%	37.1%		5.8%			100.0%		
Subaru	Car	Car	1988	31.4	24.7	28.5	26.3	2613	104.7	104	90	14.2	0.863	0.0342	41.2	3326	4317	57.7%	42.3%		61.1%	11.8%	27.0%			24.8%		19.7%	55.5%		20.5%			100.0%		
Subaru	Car	Car	1989	31.5	24.7	28.2	26.3	2621	102.4	102	88	14.0	0.865	0.0334	41.5	3262	4250	67.2%	32.8%		40.5%	8.9%	37.3%	13.2%		27.8%		16.7%	55.5%		26.2%			79.9%	20.1%	
Subaru	Car	Car	1990	28.0	21.2	26.4	23.4	3080	114.4	124	116	11.9	0.933	0.0376	43.1	3215	4943	46.5%	53.5%		35.2%	4.0%	58.5%	2.3%		2.0%		74.7%	23.3%		74.9%			100.0%		
Subaru	Car	Car	1991	28.2	21.2	26.4	23.5	3079	113.0	123	115	12.2	0.932	0.0372	43.4	3203	4922	14.3%	85.7%		32.6%	4.5%	59.3%	3.6%		2.7%		71.6%	25.7%		72.6%			100.0%		
Subaru	Car	Car	1992	28.1	20.9	26.3	23.3	3188	112.9	131	147	10.6	1.148	0.0463	44.7	3194	5057	45.1%	54.9%		32.7%	5.6%	61.5%	0.2%		0.7%		81.4%	17.9%		65.2%			100.0%		
Subaru	Car	Car	1993	29.2	21.6	27.4	24.1	3037	109.6	122	117	10.9	0.957	0.0385	44.3	3202	4872	33.1%	66.9%		32.0%	1.5%	65.9%	0.6%				85.7%	14.3%		85.7%			100.0%		
Subaru	Car	Car	1994	28.2	20.5	26.6	23.2	3172	113.0	129	127	10.5	0.976	0.0398	44.7	3205	5077	45.0%	55.0%		35.7%	1.3%	63.0%					100.0%			41.0%			100.0%		
Subaru	Car	Car	1995	28.5	20.6	27.1	23.4	3193	115.5	132	132	11.0	1.000	0.0416	45.5	3289	5269	14.1%	85.9%		24.9%		75.1%					100.0%			100.0%			53.9%	46.1%	
Subaru	Car	Car	1996	27.4	19.7	25.9	22.5	3333	123.1	140	142	10.7	1.012	0.0426	45.7	3379	5647	0.2%	99.8%		28.1%		71.9%					100.0%			100.0%			31.8%	68.2%	
Subaru	Car	Car	1997	28.0	19.9	26.4	22.9	3325	122.8	143	152	10.2	1.060	0.0456	46.5	3439	5728	0.9%	99.1%		25.9%		74.1%					100.0%			100.0%			35.5%	64.5%	
Subaru	Car	Car	1998	27.8	19.9	25.7	22.6	3363	123.8	145	155	10.4	1.069	0.0461	46.8	3446	5806	0.0%	100.0%		25.2%		74.8%					100.0%			100.0%			31.8%	68.2%	
Subaru	Car	Car	1999	27.6	19.5	25.6	22.4	3396	123.5	145	157	10.3	1.083	0.0463	46.9	3410	5803		100.0%		25.2%		74.8%					100.0%			100.0%			33.1%	66.9%	
Subaru	Car	Car	2000	28.0	19.8	25.5	22.5	3431	122.5	148	163	9.6	1.095	0.0475	48.0	3426	5893		100.0%		24.9%		75.1%					100.0%			100.0%			29.4%	70.6%	
Subaru	Car	Car	2001	27.7	19.4	25.3	22.3	3776	124.2	154	170	9.8	1.106	0.0453	52.3	3443	6525		100.0%		18.8%		81.2%					100.0%			100.0%			22.2%	77.8%	
Subaru	Car	Car	2002	27.2	18.9	25.0	21.8	3698	116.8	147	185	9.2	1.287	0.0504	50.4	3185	5922		100.0%		36.4%		63.6%					100.0%			100.0%			50.6%	49.4%	
Subaru	Car	Car	2003	27.3	18.7	25.1	21.8	3749	120.2	150	180	9.4	1.215	0.0483	51.1	3281	6178		100.0%		25.6%		74.4%					100.0%			100.0%			37.3%	62.7%	
Subaru	Car	Car	2004	26.9	18.3	24.9	21.5	3706	116.5	149	192	9.1	1.308	0.0521	50.1	3154	5882		100.0%		35.0%		65.0%					100.0%			100.0%	12.1%		50.5%	49.5%	
Subaru	Car	Car	2005	27.3	18.5	25.0	21.7	3575	119.0	151	198	8.7	1.317	0.0553	49.1	3283	5865		100.0%		27.6%		72.4%					100.0%			100.0%	31.8%		43.2%	56.8%	
Subaru	Car	Car	2006	28.0	18.9	25.5	22.2	3544	118.6	152	194	8.8	1.277	0.0547	49.8	3338	5913		100.0%		27.9%		72.1%					100.0%			100.0%	33.3%		50.4%	49.6%	
Subaru	Car	Car	2007	28.4	19.3	25.7	22.5	3531	115.6	151	188	9.0	1.244	0.0532	50.2	3293	5812		100.0%		27.9%		72.1%					100.0%			100.0%	33.5%		55.1%	44.9%	
Subaru	Car	Car	2008	28.7	19.4	26.1	22.7	3533	118.1	151	182	9.2	1.204	0.0514	50.8	3400	6002		100.0%		23.7%		76.3%					100.0%			100.0%	12.8%		57.3%	42.7%	
Subaru	Car	Car	2009	28.9	19.6	26.1	22.8	3518	115.9	151	179	9.2	1.185	0.0507	50.8	3352	5893		100.0%		20.3%		79.7%					100.0%			100.0%	44.2%		65.4%	34.6%	
Subaru	Car	Car	2010	30.2	20.5	27.2	23.8	3519	113.7	156	181	8.9	1.163	0.0514	53.5	3467	6097		100.0%		19.5%		40.9%	39.6%				100.0%			100.0%	100.0%		52.3%	47.7%	
Subaru	Car	Car	2011	30.2	20.4	27.1	23.7	3520	113.9	156	194	8.6	1.247	0.0550	53.7	3485	6130		100.0%		24.6%		30.5%	44.9%				100.0%			100.0%	100.0%		49.2%	50.8%	
Subaru	Car	Car	2012	35.2	23.5	31.0	27.2	3451	116.2	138	170	9.1	1.235	0.0493	61.8	4173	7185		100.0%		17.3%		2.4%	80.3%				100.0%			100.0%	100.0%		63.2%	36.8%	
Subaru	Car	Car	2013	35.7	23.7	31.2	27.5	3413	113.8	136	178	8.9	1.300	0.0522	62.0	4147	7090		91.5%	8.5%	23.8%		4.2%	72.0%				100.0%			100.0%	100.0%		69.1%	30.9%	
Subaru	Car	Car	2014	36.1	24.0	31.6	27.8	3462	115.0	136	172	9.1	1.268	0.0498	63.6	4234	7346		94.6%	5.4%	20.3%		2.1%	77.6%				100.0%			100.0%	100.0%		68.2%	31.8%	
Subaru	Car	Car	2015	37.0	24.4	32.5	28.5	3554	115.5	138	186	8.8	1.361	0.0524	67.1	4382	7806		96.2%	3.8%	22.3%		0.9%	76.8%			14.3%	85.7%			100.0%	100.0%		59.9%	40.1%	
Subaru	Car	Car	2016	36.7	24.2	32.3	28.3	3571	115.6	138	189	8.7	1.390	0.0530	67.0	4360	7792		97.3%	2.7%	23.2%		0.7%	76.1%			15.1%	84.9%			100.0%	100.0%		61.4%	38.6%	
Subaru	Car	Car	2017	38.0	25.0	33.3	29.1	3710	116.8	139	177	9.2	1.288	0.0480	71.5	4527	8410		96.0%	4.0%	13.9%		0.7%	85.4%			48.1%	51.9%			100.0%	100.0%		40.5%	59.5%	

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	Car	All	1975	26.5	20.9	24.9	22.5	2346		83	58		0.699	0.0248	31.2			100.0%			91.3%	8.7%				100.0%								100.0%		
Subaru	Car	All	1976	29.7	23.8	27.3	25.3	2366		88	61		0.696	0.0259	35.3			100.0%			63.9%	36.1%				100.0%								100.0%		
Subaru	Car	All	1977	30.2	23.5	28.9	25.7	2353		97	65		0.674	0.0278	35.8			100.0%			82.5%	17.5%				100.0%								100.0%		
Subaru	Car	All	1978	29.9	23.5	28.5	25.5	2376		97	67	15.4	0.691	0.0283	36.0			100.0%			81.0%	19.0%				100.0%								100.0%		
Subaru	Car	All	1979	29.5	23.2	28.1	25.2	2404		97	67	17.0	0.691	0.0279	35.8			60.0%	40.0%		84.2%	15.8%				100.0%								100.0%		
Subaru	Car	All	1980	28.1	21.7	27.6	24.0	2402		99	69	16.9	0.694	0.0286	34.2			66.0%	34.0%		84.0%	16.0%				100.0%								100.0%		
Subaru	Car	All	1981	31.3	24.9	28.9	26.6	2400		107	70	16.4	0.658	0.0294	37.8			72.7%	27.3%		86.6%	13.4%				100.0%								100.0%		
Subaru	Car	All	1982	31.7	25.2	29.4	26.9	2526		108	71	18.0	0.655	0.0280	40.1			73.6%	26.4%		81.2%	18.8%				100.0%								100.0%		
Subaru	Car	All	1983	31.3	24.7	29.4	26.6	2557		108	73	16.4	0.675	0.0286	40.1			69.4%	30.6%		72.1%		27.9%			98.6%		1.4%						100.0%		
Subaru	Car	All	1984	31.1	24.6	29.2	26.5	2583		108	73	16.4	0.679	0.0285	40.4			66.7%	33.3%		67.1%		32.9%			96.6%		3.4%						100.0%		
Subaru	Car	All	1985	30.5	24.2	28.4	25.9	2632		109	86	14.7	0.791	0.0327	40.3			62.3%	37.7%		63.1%	10.8%	26.1%			74.3%		25.7%						91.0%	9.0%	
Subaru	Car	All	1986	30.1	23.9	27.8	25.5	2672		108	89	13.9	0.819	0.0332	40.4			61.0%	39.0%		62.8%	11.8%	25.4%			55.3%		26.4%	18.2%					100.0%		
Subaru	Car	All	1987	29.5	23.2	27.1	24.8	2727		107	90	14.3	0.842	0.0329	40.4			52.9%	47.1%		55.7%	17.2%	27.0%			42.0%		20.8%	37.1%		5.8%			100.0%		
Subaru	Car	All	1988	31.4	24.7	28.5	26.3	2613		104	90	14.2	0.863	0.0342	41.2			57.7%	42.3%		61.1%	11.8%	27.0%			24.8%		19.7%	55.5%		20.5%			100.0%		
Subaru	Car	All	1989	31.5	24.7	28.2	26.3	2621		102	88	14.0	0.865	0.0334	41.5			67.2%	32.8%		40.5%	8.9%	37.3%	13.2%		27.8%		16.7%	55.5%		26.2%			79.9%	20.1%	
Subaru	Car	All	1990	28.0	21.2	26.4	23.4	3080		124	116	11.9	0.933	0.0376	43.1			46.5%	53.5%		35.2%	4.0%	58.5%	2.3%		2.0%		74.7%	23.3%		74.9%			100.0%		
Subaru	Car	All	1991	28.2	21.2	26.4	23.5	3079		123	115	12.2	0.932	0.0372	43.4			14.3%	85.7%		32.6%	4.5%	59.3%	3.6%		2.7%		71.6%	25.7%		72.6%			100.0%		
Subaru	Car	All	1992	28.1	20.9	26.3	23.3	3188		131	147	10.6	1.148	0.0463	44.7			45.1%	54.9%		32.7%	5.6%	61.5%	0.2%		0.7%		81.4%	17.9%		65.2%			100.0%		
Subaru	Car	All	1993	29.2	21.6	27.4	24.1	3037		122	117	10.9	0.957	0.0385	44.3			33.1%	66.9%		32.0%	1.5%	65.9%	0.6%				85.7%	14.3%		85.7%			100.0%		
Subaru	Car	All	1994	28.2	20.5	26.6	23.2	3172		129	127	10.5	0.976	0.0398	44.7			45.0%	55.0%		35.7%	1.3%	63.0%					100.0%			41.0%			100.0%		
Subaru	Car	All	1995	28.5	20.6	27.1	23.4	3193		132	132	11.0	1.000	0.0416	45.5			14.1%	85.9%		24.9%		75.1%					100.0%			100.0%			53.9%	46.1%	
Subaru	Car	All	1996	27.4	19.7	25.9	22.5	3333		140	142	10.7	1.012	0.0426	45.7			0.2%	99.8%		28.1%		71.9%					100.0%			100.0%			31.8%	68.2%	
Subaru	Car	All	1997	28.0	19.9	26.4	22.9	3325		143	152	10.2	1.060	0.0456	46.5			0.9%	99.1%		25.9%		74.1%					100.0%			100.0%			35.5%	64.5%	
Subaru	Car	All	1998	27.8	19.9	25.7	22.6	3363		145	155	10.4	1.069	0.0461	46.8			0.0%	100.0%		25.2%		74.8%					100.0%			100.0%			31.8%	68.2%	
Subaru	Car	All	1999	27.6	19.5	25.6	22.4	3396		145	157	10.3	1.083	0.0463	46.9				100.0%		25.2%		74.8%					100.0%			100.0%			33.1%	66.9%	
Subaru	Car	All	2000	28.0	19.8	25.5	22.5	3431		148	163	9.6	1.095	0.0475	48.0				100.0%		24.9%		75.1%					100.0%			100.0%			29.4%	70.6%	
Subaru	Car	All	2001	27.7	19.4	25.3	22.3	3776		154	170	9.8	1.106	0.0453	52.3				100.0%		18.8%		81.2%					100.0%			100.0%			22.2%	77.8%	
Subaru	Car	All	2002	27.2	18.9	25.0	21.8	3698		147	185	9.2	1.287	0.0504	50.4				100.0%		36.4%		63.6%					100.0%			100.0%			50.6%	49.4%	
Subaru	Car	All	2003	27.3	18.7	25.1	21.8	3749		150	180	9.4	1.215	0.0483	51.1				100.0%		25.6%		74.4%					100.0%			100.0%			37.3%	62.7%	
Subaru	Car	All	2004	26.9	18.3	24.9	21.5	3706		149	192	9.1	1.308	0.0521	50.1				100.0%		35.0%		65.0%					100.0%			100.0%	12.1%		50.5%	49.5%	
Subaru	Car	All	2005	27.3	18.5	25.0	21.7	3575		151	198	8.7	1.317	0.0553	49.1				100.0%		27.6%		72.4%					100.0%			100.0%	31.8%		43.2%	56.8%	
Subaru	Car	All	2006	28.0	18.9	25.5	22.2	3544		152	194	8.8	1.277	0.0547	49.8				100.0%		27.9%		72.1%					100.0%			100.0%	33.3%		50.4%	49.6%	
Subaru	Car	All	2007	28.4	19.3	25.7	22.5	3531		151	188	9.0	1.244	0.0532	50.2				100.0%		27.9%		72.1%					100.0%			100.0%	33.5%		55.1%	44.9%	
Subaru	Car	All	2008	28.7	19.4	26.1	22.7	3533		151	182	9.2	1.204	0.0514	50.8				100.0%		23.7%		76.3%					100.0%			100.0%	12.8%		57.3%	42.7%	
Subaru	Car	All	2009	28.9	19.6	26.1	22.8	3518		151	179	9.2	1.185	0.0507	50.8				100.0%		20.3%		79.7%					100.0%			100.0%	44.2%		65.4%	34.6%	
Subaru	Car	All	2010	30.2	20.5	27.2	23.8	3519		156	181	8.9	1.163	0.0514	53.5				100.0%		19.5%		40.9%	39.6%				100.0%			100.0%	100.0%		52.3%	47.7%	
Subaru	Car	All	2011	30.2	20.4	27.1	23.7	3520		156	194	8.6	1.247	0.0550	53.7				100.0%		24.6%		30.5%	44.9%				100.0%			100.0%	100.0%		49.2%	50.8%	
Subaru	Car	All	2012	35.2	23.5	31.0	27.2	3451		138	170	9.1	1.235	0.0493	61.8				100.0%		17.3%		2.4%	80.3%				100.0%			100.0%	100.0%		63.2%	36.8%	
Subaru	Car	All	2013	35.7	23.7	31.2	27.5	3413		136	178	8.9	1.300	0.0522	62.0				91.5%	8.5%	23.8%		4.2%	72.0%				100.0%			100.0%	100.0%		69.1%	30.9%	
Subaru	Car	All	2014	36.1	24.0	31.6	27.8	3462		136	172	9.1	1.268	0.0498	63.6				94.6%	5.4%	20.3%		2.1%	77.6%				100.0%			100.0%	100.0%		68.2%	31.8%	
Subaru	Car	All	2015	37.0	24.4	32.5	28.5	3554		138	186	8.8	1.361	0.0524	67.1				96.2%	3.8%	22.3%		0.9%	76.8%			14.3%	85.7%			100.0%	100.0%		59.9%	40.1%	
Subaru	Car	All	2016	36.7	24.2	32.3	28.3	3571		138	189	8.7	1.390	0.0530	67.0				97.3%	2.7%	23.2%		0.7%	76.1%			15.1%	84.9%			100.0%	100.0%		61.4%	38.6%	
Subaru	Car	All	2017	38.0	25.0	33.3	29.1	3710		139	177	9.2	1.288	0.0480	71.5				96.0%	4.0%	13.9%		0.7%	85.4%			48.1%	51.9%			100.0%	100.0%		40.5%	59.5%	

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	Truck	Truck SUV	1975																																
Subaru	Truck	Truck SUV	1976																																
Subaru	Truck	Truck SUV	1977																																
Subaru	Truck	Truck SUV	1978																																
Subaru	Truck	Truck SUV	1979																																
Subaru	Truck	Truck SUV	1980																																
Subaru	Truck	Truck SUV	1981																																
Subaru	Truck	Truck SUV	1982																																
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Subaru	Truck	Truck SUV	1985																																
Subaru	Truck	Truck SUV	1986																																
Subaru	Truck	Truck SUV	1987																																
Subaru	Truck	Truck SUV	1988																																
Subaru	Truck	Truck SUV	1989																																
Subaru	Truck	Truck SUV	1990																																
Subaru	Truck	Truck SUV	1991																																
Subaru	Truck	Truck SUV	1992																																
Subaru	Truck	Truck SUV	1993																																
Subaru	Truck	Truck SUV	1994																																
Subaru	Truck	Truck SUV	1995																																
Subaru	Truck	Truck SUV	1996																																
Subaru	Truck	Truck SUV	1997																																
Subaru	Truck	Truck SUV	1998	26.8	19.2	24.7	21.8	3500		150	165	10.5	1.100	0.0471	46.9				100.0%		24.8%		75.2%				100.0%				100.0%					
Subaru	Truck	Truck SUV	1999	27.0	19.3	24.5	21.8	3500		150	165	10.5	1.100	0.0471	47.3				100.0%		23.3%		76.7%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2000	27.8	19.7	25.4	22.4	3500		150	165	10.0	1.100	0.0471	48.7				100.0%		23.7%		76.3%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2001	27.9	19.7	25.0	22.3	3500		150	165	9.9	1.100	0.0471	48.8				100.0%		20.1%		79.9%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2002	28.0	19.5	25.2	22.3	3500		150	165	10.1	1.100	0.0471	48.9				100.0%		17.8%		82.2%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2003	27.5	19.1	24.7	21.9	3500		150	165	10.0	1.100	0.0471	48.2				100.0%		16.7%		83.3%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2004	27.1	18.7	24.5	21.6	3500		150	173	9.8	1.153	0.0494	47.7				100.0%		17.2%		82.8%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2005	28.6	19.5	25.6	22.6	3500		150	170	9.8	1.134	0.0486	50.2				100.0%		17.0%		83.0%				100.0%				100.0%					
Subaru	Truck	Truck SUV	2006	26.4	18.1	23.7	20.9	3856		162	203	9.3	1.243	0.0522	50.9				100.0%		8.6%		91.4%				100.0%				100.0%	39.4%				
Subaru	Truck	Truck SUV	2007	27.3	18.7	24.4	21.6	3708		157	191	9.5	1.213	0.0514	50.6				100.0%		11.2%		88.8%				100.0%				100.0%	24.8%				
Subaru	Truck	Truck SUV	2008	26.4	18.1	23.7	20.9	3882		178	206	9.3	1.161	0.0526	51.2				100.0%		7.9%		92.1%				100.0%				100.0%	40.7%				
Subaru	Truck	Truck SUV	2009	28.4	19.4	25.3	22.4	3571		155	179	9.6	1.152	0.0499	50.7				100.0%		9.3%		90.7%				100.0%				100.0%	11.8%				
Subaru	Truck	Truck SUV	2010	29.6	20.1	26.4	23.3	3694		157	176	9.8	1.123	0.0477	54.9				100.0%		7.6%		60.1%	32.3%			100.0%				100.0%	100.0%				
Subaru	Truck	Truck SUV	2011	30.4	20.6	26.9	23.8	3815		160	181	9.7	1.128	0.0475	58.3				100.0%		4.7%		44.5%	50.7%			100.0%				100.0%	100.0%				
Subaru	Truck	Truck SUV	2012	30.5	20.7	26.9	23.8	3800		159	179	9.8	1.123	0.0472	58.1				100.0%		4.6%		46.6%	48.8%			100.0%				100.0%	100.0%				
Subaru	Truck	Truck SUV	2013	33.3	22.6	28.8	25.8	3778		150	171	9.9	1.145	0.0453	63.6				100.0%		5.4%		25.0%	69.6%			100.0%				100.0%	100.0%				
Subaru	Truck	Truck SUV	2014	35.4	23.9	30.3	27.2	3684		146	171	9.6	1.180	0.0465	65.3				100.0%		4.0%		2.7%	93.3%			2.9%	97.1%			100.0%	100.0%	2.6%			
Subaru	Truck	Truck SUV	2015	36.4	24.4	31.2	27.9	3684		149	174	9.6	1.172	0.0472	67.2				100.0%		2.7%			97.3%			2.8%	97.2%			100.0%	100.0%	0.9%			
Subaru	Truck	Truck SUV	2016	36.5	24.5	31.4	28.0	3699		148	172	9.7	1.170	0.0465	67.7				100.0%		2.9%			97.1%			2.1%	97.9%			100.0%	100.0%	0.7%			
Subaru	Truck	Truck SUV	2017	36.8	24.7	31.4	28.1	3726		151	176	9.6	1.167	0.0471	68.7				100.0%		4.1%			95.9%			2.2%	97.8%			100.0%	100.0%				

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	Truck	Pickup	1975																																
Subaru	Truck	Pickup	1976																																
Subaru	Truck	Pickup	1977																																
Subaru	Truck	Pickup	1978	27.2	21.2	26.3	23.2	2500		97	67	16.0	0.691	0.0268	34.2				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1979	27.5	21.7	26.1	23.5	2500		97	67	18.3	0.691	0.0268	34.5				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1980	26.0	20.1	25.5	22.2	2500		97	67	18.7	0.691	0.0268	32.5				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1981	28.4	22.8	26.0	24.1	2500		109	71	17.7	0.651	0.0284	35.5				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1982	29.8	24.1	27.0	25.3	2500		109	74	18.3	0.683	0.0298	37.3				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1983	29.5	23.6	27.2	25.1	2513		109	74	17.2	0.680	0.0295	37.2				100.0%		75.4%		24.6%				94.8%			5.2%							
Subaru	Truck	Pickup	1984	29.7	23.6	27.7	25.3	2514		109	74	17.0	0.681	0.0295	37.4				100.0%		82.1%		17.9%				94.2%		5.8%								
Subaru	Truck	Pickup	1985	29.6	23.5	27.4	25.2	2500		109	73	16.7	0.670	0.0292	37.0				100.0%		95.6%		4.4%				100.0%										
Subaru	Truck	Pickup	1986	30.0	23.6	27.9	25.4	2500		109	73	15.9	0.670	0.0292	37.5				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1987	29.8	23.4	27.5	25.1	2500		109	73	16.1	0.670	0.0292	37.2				100.0%		100.0%						100.0%										
Subaru	Truck	Pickup	1988																																
Subaru	Truck	Pickup	1989																																
Subaru	Truck	Pickup	1990																																
Subaru	Truck	Pickup	1991																																
Subaru	Truck	Pickup	1992																																
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Subaru	Truck	Pickup	2000																																
Subaru	Truck	Pickup	2001																																
Subaru	Truck	Pickup	2002																																
Subaru	Truck	Pickup	2003	26.3	18.3	23.8	21.0	3859		150	165	10.5	1.100	0.0429	50.9				100.0%		28.3%		71.7%					100.0%			100.0%					
Subaru	Truck	Pickup	2004	25.4	17.4	23.3	20.3	4000		150	187	10.1	1.247	0.0468	51.3				100.0%		21.6%		78.4%					100.0%			100.0%					
Subaru	Truck	Pickup	2005	25.8	17.6	23.5	20.5	4000		150	184	10.1	1.229	0.0461	52.0				100.0%		20.6%		79.4%					100.0%			100.0%					
Subaru	Truck	Pickup	2006	26.9	18.3	24.3	21.3	3921		150	178	10.1	1.187	0.0455	52.9				100.0%		21.4%		78.6%					100.0%			100.0%					
Subaru	Truck	Pickup	2007																																
Subaru	Truck	Pickup	2008																																
Subaru	Truck	Pickup	2009																																
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Subaru	Truck	Pickup	2015																																
Subaru	Truck	Pickup	2016																																
Subaru	Truck	Pickup	2017																																

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	Truck	All	1975																																	
Subaru	Truck	All	1976																																	
Subaru	Truck	All	1977																																	
Subaru	Truck	All	1978	27.2	21.2	26.3	23.2	2500		97	67	16.0	0.691	0.0268	34.2				100.0%		100.0%					100.0%											
Subaru	Truck	All	1979	27.5	21.7	26.1	23.5	2500		97	67	18.3	0.691	0.0268	34.5				100.0%		100.0%					100.0%											
Subaru	Truck	All	1980	26.0	20.1	25.5	22.2	2500		97	67	18.7	0.691	0.0268	32.5				100.0%		100.0%					100.0%											
Subaru	Truck	All	1981	28.4	22.8	26.0	24.1	2500		109	71	17.7	0.651	0.0284	35.5				100.0%		100.0%					100.0%											
Subaru	Truck	All	1982	29.8	24.1	27.0	25.3	2500		109	74	18.3	0.683	0.0298	37.3				100.0%		100.0%					100.0%											
Subaru	Truck	All	1983	29.5	23.6	27.2	25.1	2513		109	74	17.2	0.680	0.0295	37.2				100.0%		75.4%		24.6%			94.8%			5.2%								
Subaru	Truck	All	1984	29.7	23.6	27.7	25.3	2514		109	74	17.0	0.681	0.0295	37.4				100.0%		82.1%		17.9%			94.2%		5.8%								
Subaru	Truck	All	1985	29.6	23.5	27.4	25.2	2500		109	73	16.7	0.670	0.0292	37.0				100.0%		95.6%		4.4%			100.0%											
Subaru	Truck	All	1986	30.0	23.6	27.9	25.4	2500		109	73	15.9	0.670	0.0292	37.5				100.0%		100.0%					100.0%											
Subaru	Truck	All	1987	29.8	23.4	27.5	25.1	2500		109	73	16.1	0.670	0.0292	37.2				100.0%		100.0%					100.0%											
Subaru	Truck	All	1988																																	
Subaru	Truck	All	1989																																	
Subaru	Truck	All	1990																																	
Subaru	Truck	All	1991																																	
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Subaru	Truck	All	1993																																	
Subaru	Truck	All	1994																																	
Subaru	Truck	All	1995																																	
Subaru	Truck	All	1996																																	
Subaru	Truck	All	1997																																	
Subaru	Truck	All	1998	26.8	19.2	24.7	21.8	3500		150	165	10.5	1.100	0.0471	46.9				100.0%		24.8%		75.2%					100.0%			100.0%					
Subaru	Truck	All	1999	27.0	19.3	24.5	21.8	3500		150	165	10.5	1.100	0.0471	47.3				100.0%		23.3%		76.7%					100.0%			100.0%					
Subaru	Truck	All	2000	27.8	19.7	25.4	22.4	3500		150	165	10.0	1.100	0.0471	48.7				100.0%		23.7%		76.3%					100.0%			100.0%					
Subaru	Truck	All	2001	27.9	19.7	25.0	22.3	3500		150	165	9.9	1.100	0.0471	48.8				100.0%		20.1%		79.9%					100.0%			100.0%					
Subaru	Truck	All	2002	28.0	19.5	25.2	22.3	3500		150	165	10.1	1.100	0.0471	48.9				100.0%		17.8%		82.2%					100.0%			100.0%					
Subaru	Truck	All	2003	27.3	19.0	24.5	21.7	3567		150	165	10.1	1.100	0.0464	48.7				100.0%		18.8%		81.2%					100.0%			100.0%					
Subaru	Truck	All	2004	27.1	18.6	24.5	21.5	3517		150	173	9.8	1.156	0.0493	47.8				100.0%		17.3%		82.7%					100.0%			100.0%					
Subaru	Truck	All	2005	28.2	19.2	25.3	22.3	3570		150	172	9.8	1.147	0.0482	50.4				100.0%		17.5%		82.5%					100.0%			100.0%					
Subaru	Truck	All	2006	26.5	18.2	23.7	21.0	3861		161	201	9.4	1.239	0.0517	51.1				100.0%		9.6%		90.4%					100.0%			100.0%	36.2%				
Subaru	Truck	All	2007	27.3	18.7	24.4	21.6	3708		157	191	9.5	1.213	0.0514	50.6				100.0%		11.2%		88.8%					100.0%			100.0%	24.8%				
Subaru	Truck	All	2008	26.4	18.1	23.7	20.9	3882		178	206	9.3	1.161	0.0526	51.2				100.0%		7.9%		92.1%					100.0%			100.0%	40.7%				
Subaru	Truck	All	2009	28.4	19.4	25.3	22.4	3571		155	179	9.6	1.152	0.0499	50.7				100.0%		9.3%		90.7%					100.0%			100.0%	11.8%				
Subaru	Truck	All	2010	29.6	20.1	26.4	23.3	3694		157	176	9.8	1.123	0.0477	54.9				100.0%		7.6%		60.1%	32.3%				100.0%			100.0%	100.0%				
Subaru	Truck	All	2011	30.4	20.6	26.9	23.8	3815		160	181	9.7	1.128	0.0475	58.3				100.0%		4.7%		44.5%	50.7%				100.0%			100.0%	100.0%				
Subaru	Truck	All	2012	30.5	20.7	26.9	23.8	3800		159	179	9.8	1.123	0.0472	58.1				100.0%		4.6%		46.6%	48.8%				100.0%			100.0%	100.0%				
Subaru	Truck	All	2013	33.3	22.6	28.8	25.8	3778		150	171	9.9	1.145	0.0453	63.6				100.0%		5.4%		25.0%	69.6%				100.0%			100.0%	100.0%				
Subaru	Truck	All	2014	35.4	23.9	30.3	27.2	3684		146	171	9.6	1.180	0.0465	65.3				100.0%		4.0%		2.7%	93.3%			2.9%	97.1%			100.0%	100.0%	2.6%			
Subaru	Truck	All	2015	36.4	24.4	31.2	27.9	3684		149	174	9.6	1.172	0.0472	67.2				100.0%		2.7%			97.3%			2.8%	97.2%			100.0%	100.0%	0.9%			
Subaru	Truck	All	2016	36.5	24.5	31.4	28.0	3699		148	172	9.7	1.170	0.0465	67.7				100.0%		2.9%			97.1%			2.1%	97.9%			100.0%	100.0%	0.7%			
Subaru	Truck	All	2017	36.8	24.7	31.4	28.1	3726		151	176	9.6	1.167	0.0471	68.7				100.0%		4.1%			95.9%			2.2%	97.8%			100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Subaru	All	All	1975	26.5	20.9	24.9	22.5	2346		83	58		0.699	0.0248	31.2			100.0%			91.3%	8.7%				100.0%								100.0%		
Subaru	All	All	1976	29.7	23.8	27.3	25.3	2366		88	61		0.696	0.0259	35.3			100.0%			63.9%	36.1%				100.0%								100.0%		
Subaru	All	All	1977	30.2	23.5	28.9	25.7	2353		97	65		0.674	0.0278	35.8			100.0%			82.5%	17.5%				100.0%								100.0%		
Subaru	All	All	1978	29.3	23.0	28.0	25.0	2401		97	67	15.5	0.691	0.0280	35.7			80.1%	19.9%		84.7%	15.3%				100.0%										
Subaru	All	All	1979	28.9	22.7	27.5	24.6	2432		97	67	17.4	0.691	0.0276	35.4			42.4%	57.6%		88.9%	11.1%				100.0%										
Subaru	All	All	1980	27.9	21.5	27.3	23.8	2412		99	68	17.1	0.693	0.0284	34.0			59.4%	40.6%		85.6%	14.4%				100.0%										
Subaru	All	All	1981	30.9	24.7	28.6	26.3	2410		107	70	16.5	0.657	0.0293	37.5			65.1%	34.9%		88.0%	12.0%				100.0%										
Subaru	All	All	1982	31.6	25.1	29.3	26.8	2525		108	71	18.0	0.657	0.0281	40.0			70.2%	29.8%		82.1%	17.9%				100.0%										
Subaru	All	All	1983	31.2	24.7	29.3	26.6	2556		108	73	16.4	0.675	0.0287	40.0			67.1%	32.9%		72.2%		27.8%			98.4%		1.4%	0.2%							
Subaru	All	All	1984	31.1	24.6	29.2	26.4	2581		108	73	16.4	0.679	0.0285	40.3			64.6%	35.4%		67.5%		32.5%			96.5%		3.5%								
Subaru	All	All	1985	30.5	24.2	28.4	25.9	2629		109	86	14.7	0.788	0.0326	40.2			60.8%	39.2%		63.9%	10.6%	25.5%			74.9%		25.1%								
Subaru	All	All	1986	30.1	23.8	27.8	25.5	2668		108	88	14.0	0.816	0.0331	40.3			59.7%	40.3%		63.6%	11.6%	24.8%			56.3%		25.9%	17.8%							
Subaru	All	All	1987	29.5	23.2	27.1	24.8	2726		107	90	14.4	0.841	0.0329	40.4			52.6%	47.4%		56.0%	17.1%	26.9%			42.3%		20.7%	36.9%							
Subaru	All	All	1988	31.4	24.7	28.5	26.3	2613		104	90	14.2	0.863	0.0342	41.2			57.7%	42.3%		61.1%	11.8%	27.0%			24.8%		19.7%	55.5%		20.5%			100.0%		
Subaru	All	All	1989	31.5	24.7	28.2	26.3	2621		102	88	14.0	0.865	0.0334	41.5			67.2%	32.8%		40.5%	8.9%	37.3%	13.2%		27.8%		16.7%	55.5%		26.2%			79.9%	20.1%	
Subaru	All	All	1990	28.0	21.2	26.4	23.4	3080		124	116	11.9	0.933	0.0376	43.1			46.5%	53.5%		35.2%	4.0%	58.5%	2.3%		2.0%		74.7%	23.3%		74.9%			100.0%		
Subaru	All	All	1991	28.2	21.2	26.4	23.5	3079		123	115	12.2	0.932	0.0372	43.4			14.3%	85.7%		32.6%	4.5%	59.3%	3.6%		2.7%		71.6%	25.7%		72.6%			100.0%		
Subaru	All	All	1992	28.1	20.9	26.3	23.3	3188		131	147	10.6	1.148	0.0463	44.7			45.1%	54.9%		32.7%	5.6%	61.5%	0.2%		0.7%		81.4%	17.9%		65.2%			100.0%		
Subaru	All	All	1993	29.2	21.6	27.4	24.1	3037		122	117	10.9	0.957	0.0385	44.3			33.1%	66.9%		32.0%	1.5%	65.9%	0.6%				85.7%	14.3%		85.7%			100.0%		
Subaru	All	All	1994	28.2	20.5	26.6	23.2	3172		129	127	10.5	0.976	0.0398	44.7			45.0%	55.0%		35.7%	1.3%	63.0%					100.0%			41.0%			100.0%		
Subaru	All	All	1995	28.5	20.6	27.1	23.4	3193		132	132	11.0	1.000	0.0416	45.5			14.1%	85.9%		24.9%		75.1%					100.0%			100.0%			53.9%	46.1%	
Subaru	All	All	1996	27.4	19.7	25.9	22.5	3333		140	142	10.7	1.012	0.0426	45.7			0.2%	99.8%		28.1%		71.9%					100.0%			100.0%			31.8%	68.2%	
Subaru	All	All	1997	28.0	19.9	26.4	22.9	3325		143	152	10.2	1.060	0.0456	46.5			0.9%	99.1%		25.9%		74.1%					100.0%			100.0%			35.5%	64.5%	
Subaru	All	All	1998	27.5	19.7	25.4	22.4	3401		146	158	10.4	1.078	0.0464	46.8			0.0%	100.0%		25.1%		74.9%					100.0%			100.0%					
Subaru	All	All	1999	27.4	19.5	25.3	22.2	3427		146	159	10.3	1.088	0.0465	47.0				100.0%		24.6%		75.4%					100.0%			100.0%					
Subaru	All	All	2000	28.0	19.8	25.5	22.5	3445		149	163	9.7	1.096	0.0474	48.1				100.0%		24.6%		75.4%					100.0%			100.0%					
Subaru	All	All	2001	27.8	19.5	25.2	22.3	3674		152	168	9.8	1.104	0.0460	51.0				100.0%		19.3%		80.7%					100.0%			100.0%					
Subaru	All	All	2002	27.4	19.1	25.0	22.0	3644		148	180	9.4	1.236	0.0495	50.0				100.0%		31.3%		68.7%					100.0%			100.0%					
Subaru	All	All	2003	27.3	18.8	24.9	21.8	3671		150	174	9.7	1.166	0.0475	50.1				100.0%		22.7%		77.3%					100.0%			100.0%					
Subaru	All	All	2004	27.0	18.4	24.7	21.5	3632		149	184	9.4	1.249	0.0510	49.2				100.0%		28.0%		72.0%					100.0%			100.0%	7.3%				
Subaru	All	All	2005	27.6	18.7	25.1	21.9	3573		151	191	9.0	1.270	0.0533	49.5				100.0%		24.8%		75.2%					100.0%			100.0%	23.0%				
Subaru	All	All	2006	27.3	18.6	24.7	21.6	3680		156	197	9.0	1.260	0.0534	50.3				100.0%		20.0%		80.0%					100.0%			100.0%	34.6%				
Subaru	All	All	2007	28.0	19.1	25.2	22.1	3595		153	189	9.2	1.233	0.0525	50.3				100.0%		21.8%		78.2%					100.0%			100.0%	30.3%				
Subaru	All	All	2008	28.1	19.1	25.4	22.3	3620		158	188	9.3	1.193	0.0517	50.9				100.0%		19.8%		80.2%					100.0%			100.0%	19.7%				
Subaru	All	All	2009	28.7	19.5	25.7	22.6	3543		153	179	9.4	1.169	0.0503	50.8				100.0%		15.1%		84.9%					100.0%			100.0%	28.8%				
Subaru	All	All	2010	29.7	20.2	26.6	23.4	3645		156	177	9.6	1.134	0.0488	54.5				100.0%		11.0%		54.7%	34.3%				100.0%			100.0%	100.0%				
Subaru	All	All	2011	30.4	20.5	26.9	23.8	3719		159	185	9.4	1.167	0.0500	56.8				100.0%		11.2%		40.0%	48.8%				100.0%			100.0%	100.0%				
Subaru	All	All	2012	32.2	21.7	28.3	25.0	3663		151	176	9.5	1.167	0.0480	59.6				100.0%		9.6%		29.2%	61.2%				100.0%			100.0%	100.0%				
Subaru	All	All	2013	34.2	23.0	29.8	26.5	3629		144	174	9.5	1.208	0.0481	62.9				96.5%	3.5%	12.9%		16.5%	70.6%				100.0%			100.0%	100.0%				
Subaru	All	All	2014	35.5	23.9	30.6	27.3	3632		144	172	9.5	1.201	0.0473	64.9				98.7%	1.3%	7.8%		2.6%	89.6%			2.2%	97.8%			100.0%	100.0%	2.0%			
Subaru	All	All	2015	36.5	24.4	31.6	28.1	3648		146	177	9.3	1.225	0.0486	67.2				98.9%	1.1%	8.2%		0.3%	91.5%			6.1%	93.9%			100.0%	100.0%	0.6%			
Subaru	All	All	2016	36.6	24.4	31.6	28.1	3663		145	177	9.4	1.231	0.0483	67.5				99.3%	0.7%	8.5%		0.2%	91.3%			5.7%	94.3%			100.0%	100.0%	0.5%			
Subaru	All	All	2017	37.1	24.8	32.0	28.4	3721		147	176	9.5	1.205	0.0474	69.6				98.8%	1.2%	7.1%		0.2%	92.6%			16.6%	83.4%			100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Car	Car	1975	17.1	13.3	16.6	14.6	2812		140	115		0.810	0.0404	24.6					100.0%	61.3%	38.7%				100.0%								100.0%		
Mazda	Car	Car	1976	21.9	17.0	21.2	18.7	2853		140	115		0.801	0.0397	32.0					100.0%	51.5%	48.5%				100.0%								100.0%		
Mazda	Car	Car	1977	29.3	23.3	27.4	25.0	2525	86.5	105	79		0.722	0.0301	38.1	2652	3284			100.0%	80.7%	19.3%				100.0%								100.0%		
Mazda	Car	Car	1978	35.5	28.9	31.8	30.2	2269	86.3	80	54	17.9	0.668	0.0237	40.8	3112	3520			100.0%	75.2%	24.8%				100.0%								100.0%		
Mazda	Car	Car	1979	25.6	19.8	25.0	21.9	2554	75.8	113	92	14.7	0.798	0.0354	33.9	2167	2678			100.0%	80.2%	19.8%				100.0%								100.0%		
Mazda	Car	Car	1980	26.0	20.2	25.1	22.2	2559	80.9	112	78	16.1	0.703	0.0305	34.2	2292	2858			100.0%	79.0%	21.0%				100.0%								100.0%		
Mazda	Car	Car	1981	31.1	24.8	28.7	26.4	2449	87.2	111	77	15.8	0.692	0.0315	38.7	2872	3453	35.6%		64.4%	78.2%	21.8%				100.0%								100.0%		
Mazda	Car	Car	1982	29.4	23.4	27.3	25.0	2523	82.5	116	79	16.8	0.683	0.0314	38.0	2602	3243	29.7%		70.3%	75.6%	24.4%				100.0%								100.0%		
Mazda	Car	Car	1983	28.9	22.6	27.5	24.6	2493	82.3	119	85	14.5	0.713	0.0339	37.6	2650	3278	58.6%		41.4%	78.2%	21.8%				100.0%								100.0%		
Mazda	Car	Car	1984	30.0	23.4	28.9	25.6	2548	90.2	118	85	14.7	0.720	0.0332	39.7	2943	3726	74.9%		25.1%	70.4%	27.5%	2.1%			94.0%			5.4%	0.6%				100.0%		
Mazda	Car	Car	1985	29.7	23.1	28.6	25.3	2547	88.9	118	85	14.5	0.719	0.0332	39.2	2877	3642	72.4%		27.6%	68.0%	28.5%	3.4%			95.6%		3.9%		0.6%				100.0%		
Mazda	Car	Car	1986	29.4	22.6	28.5	25.0	2693	99.3	122	102	12.7	0.836	0.0377	40.2	3027	4031	76.2%		23.8%	64.4%	31.7%	3.9%			1.5%		98.5%						100.0%		
Mazda	Car	Car	1987	29.2	22.2	28.5	24.7	2716	92.5	122	104	12.8	0.847	0.0380	40.3	2863	3804	76.3%		23.7%	62.1%	15.3%	22.6%					100.0%						100.0%		
Mazda	Car	Car	1988	28.4	21.5	27.6	24.0	2870	100.5	129	113	12.6	0.875	0.0390	41.1	2959	4184	75.6%		24.4%	54.3%	0.6%	45.1%					100.0%			50.7%			50.7%	49.3%	
Mazda	Car	Car	1989	29.5	22.2	28.2	24.7	2857	106.6	125	108	12.5	0.858	0.0374	42.2	3190	4523	86.2%	0.0%	13.8%	47.2%	0.4%	52.5%					100.0%			58.0%			42.1%	57.9%	
Mazda	Car	Car	1990	29.9	22.3	28.8	25.0	2870	95.4	123	114	11.2	0.935	0.0396	43.1	2898	4176	67.2%	0.7%	32.1%	54.8%		45.2%					100.0%			72.5%			54.4%	45.6%	
Mazda	Car	Car	1991	30.2	22.4	28.9	25.2	2866	98.5	122	113	11.4	0.927	0.0393	43.4	3018	4335	75.2%	0.1%	24.7%	51.4%		48.6%					100.0%			73.3%			52.9%	47.1%	
Mazda	Car	Car	1992	30.5	22.6	28.9	25.3	2898	99.6	121	119	11.1	0.976	0.0404	44.2	3075	4446	72.8%		27.2%	45.2%		54.8%					100.0%			83.4%			69.8%	30.2%	
Mazda	Car	Car	1993	30.1	22.0	28.6	24.9	2890	99.5	125	123	10.1	0.987	0.0424	43.8	3047	4398	83.6%		16.4%	43.7%		56.3%					100.0%			79.2%			58.6%	41.4%	
Mazda	Car	Car	1994	30.3	22.0	28.8	25.0	2877	100.6	123	119	10.2	0.974	0.0414	43.9	3098	4460	79.8%		20.2%	35.9%		64.1%					100.0%			98.7%			63.8%	36.2%	
Mazda	Car	Car	1995	30.6	21.9	29.5	25.2	2981	103.4	120	123	10.7	1.028	0.0410	46.0	3226	4791	89.7%		10.3%	25.6%		74.4%					100.0%			99.5%			64.0%	36.0%	
Mazda	Car	Car	1996	31.5	22.4	29.9	25.8	2895	102.5	115	118	11.2	1.019	0.0406	46.0	3293	4780	89.1%		10.9%	30.6%		69.4%					100.0%			100.0%			55.7%	44.3%	
Mazda	Car	Car	1997	30.8	21.8	29.1	25.1	2914	103.1	116	119	11.2	1.022	0.0406	45.2	3222	4710	89.4%		10.6%	28.2%		71.8%					100.0%			100.0%			54.5%	45.5%	
Mazda	Car	Car	1998	30.0	21.1	28.2	24.4	3018	109.9	118	125	11.5	1.050	0.0409	45.4	3331	4985	100.0%			16.7%		83.3%					100.0%			100.0%			46.7%	53.3%	
Mazda	Car	Car	1999	30.2	21.3	27.9	24.4	2926	100.1	118	129	10.8	1.089	0.0441	44.2	3044	4477	100.0%			23.6%		76.4%					100.0%			100.0%			58.3%	41.7%	
Mazda	Car	Car	2000	30.0	21.1	27.5	24.1	2955	103.1	118	129	10.4	1.092	0.0435	44.5	3124	4611	91.5%		8.5%	20.2%		79.8%					100.0%			100.0%			59.8%	40.2%	
Mazda	Car	Car	2001	29.3	20.5	26.8	23.5	3036	100.3	123	135	10.0	1.098	0.0444	44.6	2964	4503	86.6%		13.4%	20.0%		80.0%					100.0%			100.0%			62.0%	38.0%	
Mazda	Car	Car	2002	29.6	20.5	26.7	23.6	3076	105.0	127	138	10.0	1.088	0.0447	45.6	3124	4806	92.5%		7.5%	22.3%		77.7%					100.0%			100.0%			72.9%	27.1%	
Mazda	Car	Car	2003	30.0	20.6	27.0	23.8	3160	105.1	134	152	9.5	1.127	0.0477	47.4	3167	5019	91.8%		8.2%	29.1%		70.9%					100.0%			100.0%	36.1%		63.9%	36.1%	
Mazda	Car	Car	2004	28.0	19.0	25.7	22.3	3292	107.5	152	184	8.4	1.218	0.0558	46.4	3061	5022	76.4%		23.6%	32.8%		67.2%					100.0%			82.3%	80.7%		60.2%	38.2%	1.6%
Mazda	Car	Car	2005	29.5	20.0	26.6	23.3	3238	108.8	136	171	8.8	1.329	0.0529	48.0	3250	5245	87.7%		12.3%	25.0%		75.0%					100.0%			90.0%	90.0%		61.3%	38.7%	
Mazda	Car	Car	2006	30.3	20.4	27.6	23.9	3216	107.4	138	172	8.6	1.267	0.0534	49.0	3283	5297	83.8%	3.3%	12.9%	28.8%		71.2%					100.0%			96.9%	87.3%		58.3%	41.7%	
Mazda	Car	Car	2007	31.0	20.9	28.1	24.5	3194	109.0	134	165	9.0	1.257	0.0519	49.7	3406	5449	89.8%	1.0%	9.2%	22.2%		77.8%					100.0%			97.2%	97.2%		64.6%	35.4%	
Mazda	Car	Car	2008	32.0	21.5	28.9	25.2	3133	105.5	131	162	9.1	1.245	0.0517	50.2	3399	5344	90.5%		9.5%	22.2%		77.8%				4.2%	95.8%			98.9%	98.9%		72.7%	27.3%	
Mazda	Car	Car	2009	31.2	20.9	28.6	24.7	3292	110.1	144	175	8.7	1.250	0.0530	51.6	3470	5714	92.3%		7.7%	18.9%		81.1%				3.0%	97.0%			96.8%	96.8%		55.2%	44.8%	
Mazda	Car	Car	2010	33.4	22.3	30.5	26.3	3246	109.0	138	164	9.0	1.192	0.0504	54.3	3669	5950	96.1%		3.9%	16.8%		83.2%				2.6%	97.4%			99.4%	99.4%		76.0%	24.0%	
Mazda	Car	Car	2011	34.5	22.9	30.6	26.7	3127	107.2	130	154	9.3	1.185	0.0489	53.9	3723	5811	95.8%		4.2%	15.4%		84.6%				2.1%	97.9%			99.5%	99.5%		80.6%	19.4%	
Mazda	Car	Car	2012	37.8	24.8	33.6	29.1	3089	107.7	128	157	9.0	1.225	0.0505	59.0	4147	6386	96.8%		3.2%	13.7%		86.3%				48.5%	51.5%			100.0%	100.0%		62.4%	37.6%	
Mazda	Car	Car	2013	38.9	25.5	34.3	29.9	2997	105.9	122	153	9.0	1.249	0.0509	59.1	4208	6302	95.8%		4.2%	15.9%		84.1%				57.6%	42.4%			100.0%	100.0%		67.7%	32.3%	
Mazda	Car	Car	2014	42.4	27.5	37.0	32.2	3139	110.5	132	162	8.8	1.227	0.0515	66.8	4731	7438	97.9%		2.1%	10.9%		89.1%				88.4%	11.6%			100.0%	100.0%		46.2%	53.8%	
Mazda	Car	Car	2015	42.9	27.7	37.6	32.6	3185	111.2	135	168	8.5	1.245	0.0526	68.5	4817	7670	97.3%		2.7%	11.5%		88.5%				97.3%	2.7%			100.0%	100.0%		42.6%	57.4%	
Mazda	Car	Car	2016	42.9	27.8	37.2	32.5	3124	106.8	132	164	8.6	1.241	0.0525	67.1	4609	7247	84.2%	7.9%	7.9%	12.2%		87.8%				100.0%				100.0%	100.0%		53.2%	46.8%	
Mazda	Car	Car	2017	40.7	26.7	35.1	30.9	3236	109.7	137	168	8.6	1.229	0.0520	65.9	4478	7265	89.7%	6.3%	4.0%	11.6%		88.4%				100.0%				100.0%	100.0%		41.9%	58.1%	

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Car	Car SUV	1975																																
Mazda	Car	Car SUV	1976																																
Mazda	Car	Car SUV	1977																																
Mazda	Car	Car SUV	1978																																
Mazda	Car	Car SUV	1979																																
Mazda	Car	Car SUV	1980																																
Mazda	Car	Car SUV	1981																																
Mazda	Car	Car SUV	1982																																
Mazda	Car	Car SUV	1983																																
Mazda	Car	Car SUV	1984																																
Mazda	Car	Car SUV	1985																																
Mazda	Car	Car SUV	1986																																
Mazda	Car	Car SUV	1987																																
Mazda	Car	Car SUV	1988																																
Mazda	Car	Car SUV	1989																																
Mazda	Car	Car SUV	1990																																
Mazda	Car	Car SUV	1991																																
Mazda	Car	Car SUV	1992	21.4	15.8	20.6	17.9	4000		231	170	10.3	0.736	0.0425	42.8					100.0%	31.5%		68.5%					100.0%									
Mazda	Car	Car SUV	1993	21.8	15.9	21.1	18.2	4000		231	170	9.7	0.736	0.0425	43.6					100.0%	24.6%		75.4%					100.0%									
Mazda	Car	Car SUV	1994	21.4	15.6	20.6	17.8	4000		231	170	9.6	0.736	0.0425	42.9					100.0%	31.7%		68.3%					100.0%									
Mazda	Car	Car SUV	1995																																
Mazda	Car	Car SUV	1996																																
Mazda	Car	Car SUV	1997																																
Mazda	Car	Car SUV	1998																																
Mazda	Car	Car SUV	1999																																
Mazda	Car	Car SUV	2000																																
Mazda	Car	Car SUV	2001	24.6	17.0	23.4	20.0	3500		176	193	8.8	1.095	0.0550	43.3			100.0%			10.6%		89.4%					100.0%			100.0%					
Mazda	Car	Car SUV	2002	25.1	17.4	23.4	20.2	3500		178	195	8.8	1.097	0.0557	44.0			100.0%			7.1%		92.9%					100.0%			100.0%					
Mazda	Car	Car SUV	2003	25.2	17.2	23.6	20.3	3500		179	196	8.7	1.097	0.0561	44.1			100.0%			5.3%		94.7%					100.0%			100.0%					
Mazda	Car	Car SUV	2004	25.2	17.1	23.6	20.2	3500		178	195	8.8	1.097	0.0558	44.2			100.0%			6.6%		93.4%					100.0%			100.0%					
Mazda	Car	Car SUV	2005	26.5	18.3	23.3	20.9	3500		164	180	9.3	1.096	0.0515	46.5			100.0%			5.6%		94.4%					100.0%			100.0%					
Mazda	Car	Car SUV	2006	27.2	18.9	23.5	21.3	3500		156	171	9.7	1.095	0.0487	47.7			100.0%			7.8%		92.2%					100.0%			100.0%					
Mazda	Car	Car SUV	2007	24.2	16.5	22.1	19.3	4000		140	244	7.5	1.743	0.0610	48.4			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Car	Car SUV	2008	26.6	18.1	24.0	21.1	3767		143	204	8.9	1.433	0.0538	50.2			100.0%			2.8%		96.2%	1.0%			52.4%	47.6%			100.0%	100.0%	1.0%			
Mazda	Car	Car SUV	2009	26.9	18.4	24.1	21.3	3839		145	221	7.9	1.537	0.0574	51.9			100.0%			2.9%		95.6%	1.5%			66.3%	33.7%			100.0%	100.0%	1.5%			
Mazda	Car	Car SUV	2010	29.4	19.7	27.2	23.4	3564		151	173	9.4	1.148	0.0483	52.4			100.0%			0.4%		99.5%	0.0%			12.7%	87.3%			100.0%	100.0%	0.0%			
Mazda	Car	Car SUV	2011	29.7	19.9	27.1	23.4	3518		153	165	9.7	1.082	0.0468	52.3			100.0%			0.4%		99.6%				3.6%	96.4%			100.0%	100.0%				
Mazda	Car	Car SUV	2012	29.5	19.7	26.7	23.2	4000		152	162	10.5	1.066	0.0406	59.1			100.0%					100.0%				1.5%	98.5%			100.0%	100.0%				
Mazda	Car	Car SUV	2013	38.5	26.3	31.7	29.1	3500		122	155	9.9	1.270	0.0443	67.4			100.0%			6.5%		93.5%				100.0%				100.0%	100.0%				
Mazda	Car	Car SUV	2014	36.9	24.9	31.3	28.2	3500		144	176	9.0	1.223	0.0504	64.7			100.0%			5.6%		94.4%				100.0%				100.0%	100.0%				
Mazda	Car	Car SUV	2015	36.8	24.8	31.2	28.1	3500		146	178	9.0	1.219	0.0509	64.4			100.0%			2.5%		97.5%				100.0%				100.0%	100.0%				
Mazda	Car	Car SUV	2016	38.9	26.3	32.5	29.5	3500		152	184	8.7	1.207	0.0524	68.1			100.0%			1.5%		98.5%				100.0%				100.0%	100.0%				
Mazda	Car	Car SUV	2017	36.6	24.0	30.6	27.4	4000		153	187	9.3	1.226	0.0468	73.2			100.0%					100.0%				100.0%				100.0%	100.0%				

				Fuel Economy (MPG)														Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Car	All	1975	17.1	13.3	16.6	14.6	2812		140	115		0.810	0.0404	24.6					100.0%	61.3%	38.7%				100.0%								100.0%		
Mazda	Car	All	1976	21.9	17.0	21.2	18.7	2853		140	115		0.801	0.0397	32.0					100.0%	51.5%	48.5%				100.0%								100.0%		
Mazda	Car	All	1977	29.3	23.3	27.4	25.0	2525		105	79		0.722	0.0301	38.1					100.0%	80.7%	19.3%				100.0%								100.0%		
Mazda	Car	All	1978	35.5	28.9	31.8	30.2	2269		80	54	17.9	0.668	0.0237	40.8					100.0%	75.2%	24.8%				100.0%								100.0%		
Mazda	Car	All	1979	25.6	19.8	25.0	21.9	2554		113	92	14.7	0.798	0.0354	33.9					100.0%	80.2%	19.8%				100.0%								100.0%		
Mazda	Car	All	1980	26.0	20.2	25.1	22.2	2559		112	78	16.1	0.703	0.0305	34.2					100.0%	79.0%	21.0%				100.0%								100.0%		
Mazda	Car	All	1981	31.1	24.8	28.7	26.4	2449		111	77	15.8	0.692	0.0315	38.7			35.6%		64.4%	78.2%	21.8%				100.0%								100.0%		
Mazda	Car	All	1982	29.4	23.4	27.3	25.0	2523		116	79	16.8	0.683	0.0314	38.0			29.7%		70.3%	75.6%	24.4%				100.0%								100.0%		
Mazda	Car	All	1983	28.9	22.6	27.5	24.6	2493		119	85	14.5	0.713	0.0339	37.6			58.6%		41.4%	78.2%	21.8%				100.0%								100.0%		
Mazda	Car	All	1984	30.0	23.4	28.9	25.6	2548		118	85	14.7	0.720	0.0332	39.7			74.9%		25.1%	70.4%	27.5%	2.1%			94.0%			5.4%	0.6%				100.0%		
Mazda	Car	All	1985	29.7	23.1	28.6	25.3	2547		118	85	14.5	0.719	0.0332	39.2			72.4%		27.6%	68.0%	28.5%	3.4%			95.6%		3.9%		0.6%				100.0%		
Mazda	Car	All	1986	29.4	22.6	28.5	25.0	2693		122	102	12.7	0.836	0.0377	40.2			76.2%		23.8%	64.4%	31.7%	3.9%			1.5%		98.5%						100.0%		
Mazda	Car	All	1987	29.2	22.2	28.5	24.7	2716		122	104	12.8	0.847	0.0380	40.3			76.3%		23.7%	62.1%	15.3%	22.6%					100.0%						100.0%		
Mazda	Car	All	1988	28.4	21.5	27.6	24.0	2870		129	113	12.6	0.875	0.0390	41.1			75.6%		24.4%	54.3%	0.6%	45.1%					100.0%			50.7%			50.7%	49.3%	
Mazda	Car	All	1989	29.5	22.2	28.2	24.7	2857		125	108	12.5	0.858	0.0374	42.2			86.2%	0.0%	13.8%	47.2%	0.4%	52.5%					100.0%			58.0%			42.1%	57.9%	
Mazda	Car	All	1990	29.9	22.3	28.8	25.0	2870		123	114	11.2	0.935	0.0396	43.1			67.2%	0.7%	32.1%	54.8%		45.2%					100.0%			72.5%			54.4%	45.6%	
Mazda	Car	All	1991	30.2	22.4	28.9	25.2	2866		122	113	11.4	0.927	0.0393	43.4			75.2%	0.1%	24.7%	51.4%		48.6%					100.0%			73.3%			52.9%	47.1%	
Mazda	Car	All	1992	30.2	22.4	28.6	25.1	2921		123	120	11.0	0.971	0.0404	44.1			71.3%		28.7%	44.9%		55.1%					100.0%			81.7%					
Mazda	Car	All	1993	30.0	22.0	28.6	24.8	2895		125	123	10.1	0.986	0.0424	43.8			83.2%		16.8%	43.6%		56.4%					100.0%			78.8%					
Mazda	Car	All	1994	30.2	21.9	28.7	24.9	2885		124	120	10.2	0.972	0.0414	43.9			79.2%		20.8%	35.8%		64.2%					100.0%			98.0%					
Mazda	Car	All	1995	30.6	21.9	29.5	25.2	2981		120	123	10.7	1.028	0.0410	46.0			89.7%		10.3%	25.6%		74.4%					100.0%			99.5%			64.0%	36.0%	
Mazda	Car	All	1996	31.5	22.4	29.9	25.8	2895		115	118	11.2	1.019	0.0406	46.0			89.1%		10.9%	30.6%		69.4%					100.0%			100.0%			55.7%	44.3%	
Mazda	Car	All	1997	30.8	21.8	29.1	25.1	2914		116	119	11.2	1.022	0.0406	45.2			89.4%		10.6%	28.2%		71.8%					100.0%			100.0%			54.5%	45.5%	
Mazda	Car	All	1998	30.0	21.1	28.2	24.4	3018		118	125	11.5	1.050	0.0409	45.4			100.0%			16.7%		83.3%					100.0%			100.0%			46.7%	53.3%	
Mazda	Car	All	1999	30.2	21.3	27.9	24.4	2926		118	129	10.8	1.089	0.0441	44.2			100.0%			23.6%		76.4%					100.0%			100.0%			58.3%	41.7%	
Mazda	Car	All	2000	30.0	21.1	27.5	24.1	2955		118	129	10.4	1.092	0.0435	44.5			91.5%		8.5%	20.2%		79.8%					100.0%			100.0%			59.8%	40.2%	
Mazda	Car	All	2001	28.4	19.8	26.2	22.9	3109		131	144	9.8	1.097	0.0461	44.4			88.8%		11.2%	18.5%		81.5%					100.0%			100.0%					
Mazda	Car	All	2002	28.9	20.1	26.3	23.1	3125		133	145	9.9	1.089	0.0460	45.4			93.4%		6.6%	20.5%		79.5%					100.0%			100.0%					
Mazda	Car	All	2003	29.2	20.1	26.5	23.2	3207		140	158	9.4	1.123	0.0489	46.9			92.9%		7.1%	25.8%		74.2%					100.0%			100.0%	31.2%				
Mazda	Car	All	2004	27.8	18.9	25.5	22.1	3308		154	185	8.4	1.209	0.0558	46.3			78.2%		21.8%	30.9%		69.1%					100.0%			83.6%	74.6%				
Mazda	Car	All	2005	29.0	19.7	26.0	22.9	3277		140	173	8.8	1.294	0.0527	47.8			89.5%		10.5%	22.1%		77.9%					100.0%			91.5%	76.4%				
Mazda	Car	All	2006	30.0	20.2	27.1	23.6	3245		140	172	8.8	1.250	0.0529	48.8			85.5%	2.9%	11.6%	26.6%		73.4%					100.0%			97.3%	78.3%				
Mazda	Car	All	2007	29.9	20.1	27.1	23.6	3305		135	176	8.8	1.324	0.0531	49.5			91.2%	0.8%	7.9%	19.1%		80.9%					100.0%			97.6%	97.6%				
Mazda	Car	All	2008	30.9	20.8	27.9	24.4	3238		133	169	9.0	1.277	0.0521	50.2			92.1%		7.9%	19.0%		80.8%	0.2%			12.2%	87.8%				99.1%	99.1%	0.2%			
Mazda	Car	All	2009	30.7	20.6	28.0	24.2	3354		144	181	8.6	1.283	0.0535	51.6			93.1%		6.9%	17.1%		82.8%	0.2%			10.1%	89.9%				97.2%	97.2%	0.2%			
Mazda	Car	All	2010	32.8	21.8	29.9	25.8	3293		140	165	9.0	1.185	0.0501	54.1			96.7%		3.3%	14.3%		85.7%	0.0%			4.1%	95.9%				99.5%	99.5%	0.0%			
Mazda	Car	All	2011	33.4	22.2	29.8	26.0	3205		135	156	9.4	1.164	0.0485	53.6			96.6%		3.4%	12.4%		87.6%				2.4%	97.6%				99.6%	99.6%				
Mazda	Car	All	2012	37.4	24.5	33.3	28.8	3122		129	157	9.0	1.219	0.0501	59.0			97.0%		3.0%	13.2%		86.8%				46.8%	53.2%				100.0%	100.0%				
Mazda	Car	All	2013	38.9	25.6	33.8	29.7	3086		122	154	9.2	1.253	0.0497	60.6			96.5%		3.5%	14.2%		85.8%				65.1%	34.9%				100.0%	100.0%				
Mazda	Car	All	2014	41.0	26.9	35.5	31.2	3222		135	166	8.8	1.226	0.0513	66.3			98.4%		1.6%	9.7%		90.3%				91.1%	8.9%				100.0%	100.0%				
Mazda	Car	All	2015	41.4	27.0	36.0	31.5	3252		137	170	8.6	1.239	0.0523	67.7			97.8%		2.2%	9.6%		90.4%				97.8%	2.2%				100.0%	100.0%				
Mazda	Car	All	2016	41.6	27.3	35.7	31.6	3234		138	170	8.6	1.231	0.0525	67.4			88.8%	5.6%	5.6%	9.1%		90.9%				100.0%					100.0%	100.0%				
Mazda	Car	All	2017	40.2	26.3	34.5	30.4	3332		139	171	8.7	1.229	0.0514	66.8			91.0%	5.5%	3.5%	10.1%		89.9%				100.0%					100.0%	100.0%				

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Truck	Van	1975																																
Mazda	Truck	Van	1976																																
Mazda	Truck	Van	1977																																
Mazda	Truck	Van	1978																																
Mazda	Truck	Van	1979																																
Mazda	Truck	Van	1980																																
Mazda	Truck	Van	1981																																
Mazda	Truck	Van	1982																																
Mazda	Truck	Van	1983																																
Mazda	Truck	Van	1984																																
Mazda	Truck	Van	1985																																
Mazda	Truck	Van	1986																																
Mazda	Truck	Van	1987																																
Mazda	Truck	Van	1988																																
Mazda	Truck	Van	1989	22.5	16.9	22.0	19.0	3998		174	142	13.5	0.814	0.0356	45.1				4.8%	95.2%	5.7%		94.3%					100.0%								
Mazda	Truck	Van	1990	20.2	15.3	19.3	17.0	4000		177	147	12.6	0.825	0.0366	40.6				88.0%	12.0%	3.5%		96.5%					100.0%								
Mazda	Truck	Van	1991	20.3	15.2	19.3	17.0	3999		177	146	12.7	0.824	0.0365	40.8				86.7%	13.3%	2.4%		97.6%					100.0%								
Mazda	Truck	Van	1992	21.3	15.7	20.6	17.8	4081		179	153	12.1	0.855	0.0375	43.5				16.3%	83.7%			100.0%					100.0%								
Mazda	Truck	Van	1993	21.4	15.7	20.7	17.9	4050		180	155	11.1	0.861	0.0383	43.4				10.1%	89.9%			100.0%					100.0%								
Mazda	Truck	Van	1994	21.3	15.5	20.7	17.7	4067		179	151	11.5	0.841	0.0371	43.4				95.5%	4.5%			100.0%					100.0%			100.0%					
Mazda	Truck	Van	1995	20.9	15.1	20.1	17.3	4089		180	152	11.7	0.844	0.0372	42.7				100.0%				100.0%					100.0%			100.0%					
Mazda	Truck	Van	1996	20.8	15.0	20.0	17.2	4133		180	152	12.2	0.844	0.0369	42.9				26.6%	73.4%			100.0%					100.0%			100.0%					
Mazda	Truck	Van	1997	20.5	14.8	19.5	16.9	4178		180	152	12.2	0.844	0.0365	42.9				35.6%	64.4%			100.0%					100.0%			100.0%					
Mazda	Truck	Van	1998	20.0	14.4	18.9	16.4	4287		180	152	12.8	0.844	0.0356	42.9				57.4%	42.6%			100.0%					100.0%			100.0%					
Mazda	Truck	Van	1999																																
Mazda	Truck	Van	2000	23.1	16.3	21.4	18.7	4000		152	170	10.9	1.118	0.0425	46.2			100.0%					100.0%					100.0%			100.0%					
Mazda	Truck	Van	2001	23.2	16.3	21.4	18.7	4000		152	160	11.1	1.053	0.0400	46.3			100.0%					100.0%					100.0%			100.0%					
Mazda	Truck	Van	2002	23.7	16.2	22.9	19.3	4000		183	200	9.7	1.093	0.0500	47.4			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2003	23.8	16.1	22.9	19.3	4000		183	200	9.3	1.093	0.0500	47.5			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2004	23.7	16.0	22.8	19.2	4000		183	200	9.3	1.093	0.0500	47.5			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2005	23.7	15.8	22.6	19.1	4000		183	200	9.3	1.093	0.0500	47.4			100.0%					100.0%					100.0%			100.0%					
Mazda	Truck	Van	2006	23.6	15.8	22.5	19.0	4000		183	200	9.4	1.093	0.0500	47.2			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2007																																
Mazda	Truck	Van	2008	30.7	20.9	27.3	24.1	3500		140	153	10.6	1.093	0.0437	53.7			100.0%			4.9%		95.1%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2009	30.3	20.7	26.8	23.8	3500		140	153	10.4	1.093	0.0437	53.0			100.0%			4.8%		95.2%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2010	30.7	20.9	27.3	24.1	3500		140	153	10.5	1.093	0.0437	53.7			100.0%			6.7%		93.3%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2011																																
Mazda	Truck	Van	2012	32.3	21.5	27.8	24.7	3500		153	157	10.3	1.029	0.0449	56.5			100.0%			3.7%		96.3%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2013	32.2	21.5	27.9	24.7	3500		153	157	10.3	1.029	0.0449	56.4			100.0%			3.9%		96.1%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2014	32.3	21.6	27.9	24.8	3500		153	157	10.3	1.029	0.0449	56.6			100.0%			3.0%		97.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2015	32.4	21.6	27.8	24.8	3500		153	157	10.3	1.029	0.0449	56.6			100.0%					100.0%					100.0%			100.0%	100.0%				
Mazda	Truck	Van	2016																																
Mazda	Truck	Van	2017																																

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Truck	Truck SUV	1975																																
Mazda	Truck	Truck SUV	1976																																
Mazda	Truck	Truck SUV	1977																																
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Mazda	Truck	Truck SUV	1988																																
Mazda	Truck	Truck SUV	1989																																
Mazda	Truck	Truck SUV	1990																																
Mazda	Truck	Truck SUV	1991	20.5	15.2	19.8	17.2	4330		231	170	11.2	0.736	0.0394	44.3				100.0%		34.1%		65.9%				100.0%									
Mazda	Truck	Truck SUV	1992	20.5	15.3	19.5	17.1	4500		231	170	11.1	0.736	0.0378	46.2				100.0%		46.0%		54.0%				100.0%									
Mazda	Truck	Truck SUV	1993	20.6	15.1	19.7	17.1	4500		231	170	10.5	0.736	0.0378	46.3				100.0%		32.1%		67.9%				100.0%									
Mazda	Truck	Truck SUV	1994	20.3	14.9	19.4	16.9	4383		231	170	10.3	0.736	0.0389	44.6				100.0%		23.4%		76.6%				100.0%									
Mazda	Truck	Truck SUV	1995																																
Mazda	Truck	Truck SUV	1996																																
Mazda	Truck	Truck SUV	1997																																
Mazda	Truck	Truck SUV	1998																																
Mazda	Truck	Truck SUV	1999																																
Mazda	Truck	Truck SUV	2000																																
Mazda	Truck	Truck SUV	2001	23.6	16.4	22.3	19.2	3500		180	197	8.9	1.098	0.0563	41.3				100.0%		4.1%		95.9%				100.0%			100.0%						
Mazda	Truck	Truck SUV	2002	23.8	16.5	22.2	19.2	3500		180	198	9.0	1.098	0.0566	41.7				100.0%		2.9%		97.1%				100.0%			100.0%						
Mazda	Truck	Truck SUV	2003	23.6	16.2	22.0	19.0	3500		181	199	8.9	1.098	0.0569	41.4				100.0%		1.2%		98.8%				100.0%			100.0%						
Mazda	Truck	Truck SUV	2004	23.7	16.2	21.8	19.0	3500		181	199	8.9	1.098	0.0568	41.4				100.0%		1.7%		98.3%				100.0%			100.0%						
Mazda	Truck	Truck SUV	2005	24.0	16.8	21.2	19.0	3916		175	192	9.7	1.098	0.0489	47.1				100.0%		0.9%		99.1%				100.0%			100.0%						
Mazda	Truck	Truck SUV	2006	24.8	17.3	21.8	19.6	3850		169	186	9.9	1.096	0.0480	47.8				100.0%		4.4%		95.1%	0.5%			100.0%			100.0%			0.5%			
Mazda	Truck	Truck SUV	2007	23.2	15.7	21.6	18.6	4211		171	252	7.8	1.527	0.0599	48.9			22.0%	78.0%				100.0%				100.0%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2008	23.5	16.0	21.6	18.8	4303		199	256	8.1	1.324	0.0593	50.5			31.4%	68.6%				99.9%	0.1%		23.9%	76.1%			100.0%		100.0%	0.1%			
Mazda	Truck	Truck SUV	2009	23.1	15.7	21.5	18.5	4357		202	263	7.7	1.343	0.0604	50.4			31.1%	68.9%				99.8%	0.2%		25.3%	74.7%			100.0%		96.9%	0.2%			
Mazda	Truck	Truck SUV	2010	23.2	15.7	21.6	18.6	4408		211	266	7.8	1.292	0.0604	51.1			37.4%	62.6%				100.0%	0.0%		15.7%	84.3%			100.0%		100.0%	0.0%			
Mazda	Truck	Truck SUV	2011	24.6	16.7	22.5	19.6	4423		215	268	7.8	1.263	0.0605	54.5			37.5%	62.5%				100.0%			10.4%	89.6%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2012	24.5	16.6	22.7	19.6	4497		225	273	7.7	1.212	0.0607	55.1			45.3%	54.7%				100.0%			0.6%	99.4%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2013	29.8	20.3	26.2	23.3	3967		171	210	9.0	1.237	0.0518	60.2			23.8%	76.2%				100.0%			53.3%	46.7%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2014	31.2	21.3	27.1	24.3	4102		171	207	9.2	1.211	0.0500	65.0			12.6%	87.4%				100.0%			71.7%	28.3%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2015	31.5	21.4	27.4	24.4	4125		171	207	9.2	1.207	0.0498	65.9			13.9%	86.1%				100.0%			74.3%	25.7%			100.0%		100.0%				
Mazda	Truck	Truck SUV	2016	34.2	23.3	29.0	26.2	4053		153	191	9.4	1.252	0.0471	69.3			5.9%	94.1%				100.0%			100.0%				100.0%		100.0%				
Mazda	Truck	Truck SUV	2017	33.3	22.4	28.3	25.4	4154		153	199	9.2	1.307	0.0479	69.2			14.3%	85.7%				100.0%			100.0%				100.0%		100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Truck	Pickup	1975	16.8	12.8	17.0	14.4	3000		85	114		1.391	0.0381	25.8					100.0%	77.4%	22.6%				100.0%										
Mazda	Truck	Pickup	1976	18.2	13.9	18.2	15.5	3000		86	110		1.329	0.0367	28.0					100.0%	87.7%	12.3%				100.0%										
Mazda	Truck	Pickup	1977	24.5	18.9	24.0	20.9	3000		96	98		1.098	0.0326	39.0					100.0%	93.2%	6.8%				100.0%										
Mazda	Truck	Pickup	1978	31.7	25.5	29.0	26.9	3000		110	67	18.5	0.607	0.0223	47.7					100.0%	100.0%					100.0%										
Mazda	Truck	Pickup	1979	30.2	23.9	28.2	25.7	3000		120	72	18.3	0.600	0.0240	45.3					100.0%	100.0%					100.0%										
Mazda	Truck	Pickup	1980	30.1	23.8	28.2	25.6	2907		120	76	17.7	0.633	0.0262	43.8					100.0%	100.0%					100.0%										
Mazda	Truck	Pickup	1981	31.0	24.3	29.4	26.4	2885		120	76	17.5	0.634	0.0264	44.7					100.0%	100.0%					100.0%										
Mazda	Truck	Pickup	1982	31.6	25.0	29.7	26.9	2921		123	72	19.5	0.588	0.0247	46.3					100.0%	100.0%					77.6%				22.4%						
Mazda	Truck	Pickup	1983	30.6	24.1	28.9	26.1	2908		121	75	17.3	0.621	0.0258	44.6					100.0%	97.0%	3.0%				94.9%				5.1%						
Mazda	Truck	Pickup	1984	29.7	23.5	27.9	25.3	2860		120	77	16.8	0.639	0.0269	42.7					100.0%	91.5%	8.5%				98.1%				1.9%						
Mazda	Truck	Pickup	1985																																	
Mazda	Truck	Pickup	1986	27.7	21.4	26.7	23.6	3000		122	80	15.6	0.656	0.0267	41.6					100.0%	100.0%					100.0%										
Mazda	Truck	Pickup	1987	26.2	20.2	25.1	22.2	3062		131	85	15.6	0.648	0.0276	40.3				12.0%	88.0%	92.2%		7.8%			100.0%										
Mazda	Truck	Pickup	1988	26.4	20.2	25.1	22.2	3030		135	86	15.4	0.639	0.0284	40.0				6.1%	93.9%	88.6%		11.4%			100.0%										
Mazda	Truck	Pickup	1989	26.2	20.0	24.7	22.0	3055		136	89	14.7	0.653	0.0290	40.0				11.0%	89.0%	87.2%		12.8%			89.0%		11.0%								
Mazda	Truck	Pickup	1990	25.9	19.7	24.1	21.6	3116		140	95	13.5	0.675	0.0303	40.4				12.4%	87.6%	79.3%		20.7%			62.0%		38.0%								
Mazda	Truck	Pickup	1991	25.6	19.5	23.8	21.4	3166		142	98	13.4	0.687	0.0309	40.6				13.0%	87.0%	79.8%		20.2%			53.4%		46.6%								
Mazda	Truck	Pickup	1992	25.6	19.3	23.6	21.2	3178		142	98	13.2	0.684	0.0306	40.6				15.0%	85.0%	82.1%		17.9%			58.5%		41.5%								
Mazda	Truck	Pickup	1993	25.9	19.4	23.9	21.4	3091		137	91	12.7	0.663	0.0295	40.1				16.5%	83.5%	85.6%		14.4%			74.5%		25.5%								
Mazda	Truck	Pickup	1994	24.5	18.0	23.1	20.2	3573		181	136	10.6	0.749	0.0377	44.0				20.6%	79.4%	68.9%		31.1%					100.0%								
Mazda	Truck	Pickup	1995	26.8	19.6	25.0	22.0	3592		157	123	11.4	0.789	0.0340	48.4				13.0%	87.0%	83.4%		16.6%					100.0%								
Mazda	Truck	Pickup	1996																																	
Mazda	Truck	Pickup	1997																																	
Mazda	Truck	Pickup	1998	24.8	17.9	22.8	20.2	3612		178	133	11.8	0.757	0.0368	45.4				21.2%	78.8%	57.3%		42.7%					100.0%								
Mazda	Truck	Pickup	1999	24.0	17.2	22.2	19.5	3664		177	134	11.8	0.763	0.0364	44.6				20.2%	79.8%	53.4%		46.6%					100.0%								
Mazda	Truck	Pickup	2000	23.8	16.9	21.8	19.3	3638		177	139	11.1	0.787	0.0381	43.8				17.5%	82.5%	48.1%		51.9%					100.0%								
Mazda	Truck	Pickup	2001	23.1	16.3	21.2	18.6	3617		180	147	10.4	0.822	0.0406	42.2				14.4%	85.6%	40.8%		59.2%					100.0%			12.7%					
Mazda	Truck	Pickup	2002	23.5	16.6	21.3	18.9	3734		178	151	10.6	0.858	0.0404	44.6				16.1%	83.9%	35.4%		64.6%					100.0%			30.6%					
Mazda	Truck	Pickup	2003	24.9	17.5	22.2	19.8	3720		171	150	10.5	0.890	0.0403	47.0				8.3%	91.7%	40.3%		59.7%					100.0%			44.7%					
Mazda	Truck	Pickup	2004	25.0	17.4	22.4	19.9	3699		171	153	10.4	0.908	0.0412	47.0				13.9%	86.1%	44.0%		56.0%					100.0%			51.1%					
Mazda	Truck	Pickup	2005	25.0	17.3	22.2	19.8	3699		170	153	10.4	0.912	0.0412	46.8				16.8%	83.2%	33.9%		66.1%					100.0%			53.3%					
Mazda	Truck	Pickup	2006	26.0	17.9	23.3	20.6	3643		161	150	10.4	0.949	0.0412	48.0				10.9%	89.1%	42.0%		58.0%					100.0%			66.8%					
Mazda	Truck	Pickup	2007	26.2	18.1	23.2	20.7	3628		157	149	10.5	0.967	0.0412	48.1				8.3%	91.7%	46.0%		54.0%					100.0%			72.6%	72.6%				
Mazda	Truck	Pickup	2008	26.3	18.3	23.1	20.8	3598		160	155	10.3	0.987	0.0429	48.2				18.2%	81.8%	47.4%		52.6%					100.0%			80.4%	80.4%				
Mazda	Truck	Pickup	2009	28.5	19.9	24.4	22.3	3545		149	149	10.2	1.006	0.0418	51.6				9.1%	90.9%	47.3%		52.7%					100.0%			90.9%	90.9%				
Mazda	Truck	Pickup	2010																																	
Mazda	Truck	Pickup	2011																																	
Mazda	Truck	Pickup	2012																																	
Mazda	Truck	Pickup	2013																																	
Mazda	Truck	Pickup	2014																																	
Mazda	Truck	Pickup	2015																																	
Mazda	Truck	Pickup	2016																																	
Mazda	Truck	Pickup	2017																																	

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	Truck	All	1975	16.8	12.8	17.0	14.4	3000		85	114		1.391	0.0381	25.8					100.0%	77.4%	22.6%				100.0%										
Mazda	Truck	All	1976	18.2	13.9	18.2	15.5	3000		86	110		1.329	0.0367	28.0					100.0%	87.7%	12.3%				100.0%										
Mazda	Truck	All	1977	24.5	18.9	24.0	20.9	3000		96	98		1.098	0.0326	39.0					100.0%	93.2%	6.8%				100.0%										
Mazda	Truck	All	1978	31.7	25.5	29.0	26.9	3000		110	67	18.5	0.607	0.0223	47.7					100.0%	100.0%					100.0%										
Mazda	Truck	All	1979	30.2	23.9	28.2	25.7	3000		120	72	18.3	0.600	0.0240	45.3					100.0%	100.0%					100.0%										
Mazda	Truck	All	1980	30.1	23.8	28.2	25.6	2907		120	76	17.7	0.633	0.0262	43.8					100.0%	100.0%					100.0%										
Mazda	Truck	All	1981	31.0	24.3	29.4	26.4	2885		120	76	17.5	0.634	0.0264	44.7					100.0%	100.0%					100.0%										
Mazda	Truck	All	1982	31.6	25.0	29.7	26.9	2921		123	72	19.5	0.588	0.0247	46.3					100.0%	100.0%					77.6%				22.4%						
Mazda	Truck	All	1983	30.6	24.1	28.9	26.1	2908		121	75	17.3	0.621	0.0258	44.6					100.0%	97.0%	3.0%				94.9%				5.1%						
Mazda	Truck	All	1984	29.7	23.5	27.9	25.3	2860		120	77	16.8	0.639	0.0269	42.7					100.0%	91.5%	8.5%				98.1%				1.9%						
Mazda	Truck	All	1985																																	
Mazda	Truck	All	1986	27.7	21.4	26.7	23.6	3000		122	80	15.6	0.656	0.0267	41.6					100.0%	100.0%					100.0%										
Mazda	Truck	All	1987	26.2	20.2	25.1	22.2	3062		131	85	15.6	0.648	0.0276	40.3				12.0%	88.0%	92.2%		7.8%			100.0%										
Mazda	Truck	All	1988	26.4	20.2	25.1	22.2	3030		135	86	15.4	0.639	0.0284	40.0				6.1%	93.9%	88.6%		11.4%			100.0%										
Mazda	Truck	All	1989	25.2	19.1	23.9	21.1	3291		145	102	14.4	0.693	0.0307	41.3				9.5%	90.5%	66.9%		33.1%			66.8%		33.2%								
Mazda	Truck	All	1990	23.3	17.7	21.9	19.5	3472		155	116	13.1	0.736	0.0328	40.5				42.9%	57.1%	48.7%		51.3%			37.0%		63.0%								
Mazda	Truck	All	1991	22.8	17.2	21.4	19.0	3608		165	124	12.9	0.743	0.0340	41.1				50.3%	49.7%	45.9%		54.1%			27.5%		72.5%								
Mazda	Truck	All	1992	23.2	17.3	21.9	19.3	3653		163	126	12.6	0.764	0.0341	42.2				19.9%	80.1%	43.2%		56.8%			29.1%		70.9%								
Mazda	Truck	All	1993	23.3	17.3	22.0	19.4	3616		163	125	11.8	0.757	0.0340	42.0				19.0%	81.0%	43.4%		56.6%			36.0%		64.0%								
Mazda	Truck	All	1994	23.6	17.3	22.4	19.5	3708		183	140	10.7	0.766	0.0376	43.9				38.9%	61.1%	53.4%		46.6%					100.0%			19.2%					
Mazda	Truck	All	1995	24.4	17.7	23.1	20.1	3768		165	133	11.6	0.809	0.0351	46.4				43.8%	56.2%	53.9%		46.1%					100.0%			35.4%					
Mazda	Truck	All	1996	20.8	15.0	20.0	17.2	4133		180	152	12.2	0.844	0.0369	42.9				26.6%	73.4%			100.0%					100.0%			100.0%					
Mazda	Truck	All	1997	20.5	14.8	19.5	16.9	4178		180	152	12.2	0.844	0.0365	42.9				35.6%	64.4%			100.0%					100.0%			100.0%					
Mazda	Truck	All	1998	23.4	16.8	21.6	19.1	3785		178	138	12.0	0.780	0.0365	44.7				30.4%	69.6%	42.6%		57.4%					100.0%			25.6%					
Mazda	Truck	All	1999	24.0	17.2	22.2	19.5	3664		177	134	11.8	0.763	0.0364	44.6				20.2%	79.8%	53.4%		46.6%					100.0%								
Mazda	Truck	All	2000	23.3	16.6	21.6	18.9	3861		162	158	11.0	0.991	0.0408	45.2			61.5%	6.8%	31.7%	18.5%		81.5%					100.0%			61.5%					
Mazda	Truck	All	2001	23.3	16.3	21.6	18.8	3727		169	168	10.2	1.000	0.0454	43.5			38.6%	36.4%	25.0%	13.2%		86.8%					100.0%			74.5%					
Mazda	Truck	All	2002	23.7	16.4	22.1	19.1	3744		181	184	9.7	1.023	0.0494	44.5			34.5%	40.0%	25.6%	11.8%		88.2%					100.0%			78.8%	34.5%				
Mazda	Truck	All	2003	24.0	16.5	22.4	19.3	3778		179	187	9.5	1.043	0.0496	45.5			44.3%	32.2%	23.4%	10.6%		89.4%					100.0%			85.9%	44.3%				
Mazda	Truck	All	2004	24.0	16.3	22.4	19.3	3782		180	190	9.4	1.056	0.0502	45.5			48.1%	33.8%	18.1%	9.8%		90.2%					100.0%			89.7%	48.1%				
Mazda	Truck	All	2005	24.0	16.4	21.9	19.2	3924		178	190	9.6	1.073	0.0484	47.2			41.4%	48.2%	10.4%	4.6%		95.4%					100.0%			94.2%					
Mazda	Truck	All	2006	24.5	16.7	22.4	19.5	3877		174	185	9.7	1.069	0.0476	47.6			42.3%	41.9%	15.8%	9.2%		90.6%	0.2%				100.0%			94.1%	42.3%	0.2%			
Mazda	Truck	All	2007	23.4	15.9	21.7	18.8	4168		170	245	8.0	1.486	0.0586	48.8			20.4%	72.9%	6.7%	3.3%		96.7%					100.0%			98.0%	98.0%				
Mazda	Truck	All	2008	24.8	16.9	22.7	19.8	4105		185	230	8.7	1.264	0.0554	51.2			45.9%	52.0%	2.1%	2.3%		97.6%	0.1%			18.0%	82.0%			99.5%	99.5%	0.1%			
Mazda	Truck	All	2009	26.5	18.0	24.0	21.0	3896		169	204	9.1	1.207	0.0514	51.8			66.7%	31.9%	1.4%	3.2%		96.7%	0.1%			11.7%	88.3%			99.9%	98.5%	0.1%			
Mazda	Truck	All	2010	25.2	17.1	23.2	20.1	4110		188	229	8.7	1.227	0.0549	52.0			58.0%	42.0%		2.2%		97.8%	0.0%			10.6%	89.4%			100.0%	100.0%	0.0%			
Mazda	Truck	All	2011	24.6	16.7	22.5	19.6	4423		215	268	7.8	1.263	0.0605	54.5			37.5%	62.5%				100.0%				10.4%	89.6%			100.0%	100.0%				
Mazda	Truck	All	2012	27.8	18.7	24.9	21.8	4003		189	215	9.0	1.121	0.0528	55.8			72.4%	27.6%		1.8%		98.2%				0.3%	99.7%			100.0%	100.0%				
Mazda	Truck	All	2013	30.4	20.6	26.6	23.6	3859		166	197	9.3	1.189	0.0502	59.3			41.5%	58.5%		0.9%		99.1%				40.9%	59.1%			100.0%	100.0%				
Mazda	Truck	All	2014	31.4	21.3	27.2	24.3	4016		168	200	9.3	1.185	0.0493	63.8			25.1%	74.9%		0.4%		99.6%				61.4%	38.6%			100.0%	100.0%				
Mazda	Truck	All	2015	31.6	21.4	27.4	24.5	4052		169	201	9.3	1.187	0.0492	64.8			23.9%	76.1%				100.0%				65.6%	34.4%			100.0%	100.0%				
Mazda	Truck	All	2016	34.2	23.3	29.0	26.2	4053		153	191	9.4	1.252	0.0471	69.3			5.9%	94.1%				100.0%				100.0%				100.0%	100.0%				
Mazda	Truck	All	2017	33.3	22.4	28.3	25.4	4154		153	199	9.2	1.307	0.0479	69.2			14.3%	85.7%				100.0%				100.0%				100.0%	100.0%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mazda	All	All	1975	17.1	13.2	16.6	14.6	2823		137	115		0.843	0.0402	24.6					100.0%	62.2%	37.8%				100.0%										
Mazda	All	All	1976	21.3	16.5	20.7	18.2	2873		133	114		0.875	0.0392	31.4					100.0%	56.6%	43.4%				100.0%										
Mazda	All	All	1977	28.8	22.7	27.0	24.5	2572		104	81		0.759	0.0303	38.2					100.0%	81.9%	18.1%				100.0%										
Mazda	All	All	1978	35.3	28.7	31.6	29.9	2312		82	55	18.0	0.664	0.0236	41.2					100.0%	76.6%	23.4%				100.0%										
Mazda	All	All	1979	25.8	20.0	25.1	22.0	2574		113	91	14.9	0.789	0.0349	34.4					100.0%	81.1%	18.9%				100.0%										
Mazda	All	All	1980	26.2	20.4	25.3	22.3	2578		113	78	16.1	0.699	0.0303	34.8					100.0%	80.1%	19.9%				100.0%										
Mazda	All	All	1981	31.1	24.8	28.8	26.4	2493		112	76	15.9	0.686	0.0310	39.3			32.0%		68.0%	80.4%	19.6%				100.0%										
Mazda	All	All	1982	29.7	23.6	27.6	25.2	2578		117	78	17.2	0.670	0.0305	39.2			25.6%		74.4%	79.0%	21.0%				96.9%				3.1%						
Mazda	All	All	1983	29.4	23.0	27.9	25.0	2614		120	82	15.3	0.686	0.0316	39.7			41.5%		58.5%	83.7%	16.3%				98.5%				1.5%						
Mazda	All	All	1984	29.9	23.4	28.4	25.4	2702		119	81	15.7	0.680	0.0301	41.1			38.1%		61.9%	80.8%	18.1%	1.1%			96.0%			2.8%	1.2%						
Mazda	All	All	1985	29.7	23.1	28.6	25.3	2547		118	85	14.5	0.719	0.0332	39.2			72.4%		27.6%	68.0%	28.5%	3.4%			95.6%		3.9%		0.6%				100.0%		
Mazda	All	All	1986	28.7	22.1	27.7	24.3	2828		122	93	14.0	0.757	0.0328	40.8			42.7%		57.3%	80.0%	17.8%	2.2%			44.7%		55.3%								
Mazda	All	All	1987	27.7	21.2	26.8	23.4	2882		126	95	14.1	0.751	0.0330	40.3			39.7%	5.8%	54.6%	76.6%	7.9%	15.5%			48.0%		52.0%								
Mazda	All	All	1988	27.9	21.2	26.9	23.5	2909		130	107	13.3	0.819	0.0364	40.8			57.5%	1.5%	41.1%	62.5%	0.5%	37.0%			24.0%		76.0%								
Mazda	All	All	1989	27.7	20.9	26.4	23.2	3022		133	106	13.3	0.795	0.0348	41.9			53.4%	3.6%	43.0%	54.7%	0.2%	45.1%			25.4%		74.6%								
Mazda	All	All	1990	27.4	20.6	26.2	22.9	3063		133	115	11.8	0.871	0.0374	42.3			45.7%	14.2%	40.1%	52.9%		47.1%			11.8%		88.2%								
Mazda	All	All	1991	27.1	20.3	25.8	22.6	3123		137	117	11.9	0.863	0.0374	42.6			49.1%	17.5%	33.4%	49.5%		50.5%			9.6%		90.4%								
Mazda	All	All	1992	27.7	20.5	26.2	23.0	3143		135	122	11.5	0.908	0.0385	43.6			49.6%	6.0%	44.4%	44.4%		55.6%			8.9%		91.1%								
Mazda	All	All	1993	28.6	21.0	27.1	23.6	3023		132	124	10.4	0.945	0.0409	43.5			68.5%	3.4%	28.1%	43.6%		56.4%			6.4%		93.6%								
Mazda	All	All	1994	27.5	20.1	26.1	22.7	3170		144	127	10.4	0.901	0.0401	43.9			51.8%	13.5%	34.7%	41.9%		58.1%					100.0%			70.7%					
Mazda	All	All	1995	29.5	21.1	28.3	24.3	3096		126	125	10.8	0.996	0.0401	46.0			76.6%	6.4%	17.0%	29.7%		70.3%					100.0%			90.2%					
Mazda	All	All	1996	30.3	21.6	28.8	24.8	2991		120	120	11.3	1.006	0.0403	45.8			82.3%	2.1%	15.7%	28.2%		71.8%					100.0%			100.0%					
Mazda	All	All	1997	29.8	21.1	28.2	24.3	3004		120	121	11.3	1.010	0.0403	45.0			83.1%	2.5%	14.4%	26.2%		73.8%					100.0%			100.0%					
Mazda	All	All	1998	27.9	19.8	26.1	22.7	3219		134	128	11.6	0.979	0.0398	45.2			73.7%	8.0%	18.3%	23.5%		76.5%					100.0%			80.5%					
Mazda	All	All	1999	28.9	20.4	26.7	23.4	3054		128	129	11.0	1.032	0.0427	44.3			82.7%	3.5%	13.8%	28.8%		71.2%					100.0%			82.7%					
Mazda	All	All	2000	27.6	19.5	25.4	22.3	3228		131	138	10.6	1.061	0.0427	44.7			82.5%	2.0%	15.5%	19.7%		80.3%					100.0%			88.4%					
Mazda	All	All	2001	26.3	18.4	24.3	21.2	3338		145	153	10.0	1.061	0.0458	44.1			70.3%	13.4%	16.3%	16.6%		83.4%					100.0%			90.6%					
Mazda	All	All	2002	27.4	19.0	25.1	21.9	3287		145	155	9.8	1.072	0.0469	45.2			77.9%	10.5%	11.6%	18.2%		81.8%					100.0%			94.4%	9.0%				
Mazda	All	All	2003	27.4	18.8	25.1	21.9	3379		152	167	9.4	1.099	0.0491	46.5			78.3%	9.7%	12.0%	21.2%		78.8%					100.0%			95.7%	35.1%				
Mazda	All	All	2004	27.0	18.4	24.9	21.5	3392		158	186	8.6	1.182	0.0548	46.1			72.8%	6.0%	21.2%	27.1%		72.9%					100.0%			84.7%	69.9%				
Mazda	All	All	2005	27.9	19.0	25.2	22.1	3394		147	176	9.0	1.254	0.0519	47.7			80.9%	8.7%	10.5%	18.9%		81.1%					100.0%			92.0%	62.7%				
Mazda	All	All	2006	29.4	19.9	26.6	23.2	3303		143	173	8.8	1.233	0.0525	48.7			81.5%	6.5%	12.0%	25.0%		74.9%	0.0%				100.0%			97.0%	75.0%	0.0%			
Mazda	All	All	2007	28.6	19.3	26.1	22.7	3442		140	187	8.7	1.350	0.0540	49.4			80.0%	12.2%	7.7%	16.6%		83.4%					100.0%			97.7%	97.7%				
Mazda	All	All	2008	29.2	19.7	26.5	23.1	3448		145	184	9.0	1.274	0.0529	50.4			80.9%	12.6%	6.5%	15.0%		84.9%	0.1%				100.0%			99.2%	99.2%	0.1%			
Mazda	All	All	2009	29.3	19.8	26.7	23.2	3509		151	187	8.7	1.261	0.0529	51.6			85.6%	9.1%	5.3%	13.1%		86.7%	0.1%				100.0%			97.9%	97.5%	0.1%			
Mazda	All	All	2010	30.9	20.7	28.3	24.4	3454		150	178	9.0	1.193	0.0510	53.6			89.0%	8.3%	2.7%	11.9%		88.1%	0.0%				100.0%			99.6%	99.6%	0.0%			
Mazda	All	All	2011	31.7	21.2	28.4	24.8	3394		147	173	9.1	1.180	0.0503	53.7			87.4%	9.7%	2.9%	10.5%		89.5%					100.0%			99.6%	99.6%				
Mazda	All	All	2012	34.6	22.9	30.8	26.8	3330		143	171	9.0	1.196	0.0508	58.3			91.2%	6.5%	2.3%	10.5%		89.5%					100.0%			100.0%	100.0%				
Mazda	All	All	2013	36.1	24.1	31.5	27.8	3295		134	165	9.2	1.235	0.0498	60.2			81.7%	15.8%	2.5%	10.6%		89.4%					100.0%			100.0%	100.0%				
Mazda	All	All	2014	37.9	25.1	32.8	29.0	3433		144	175	9.0	1.215	0.0507	65.7			78.9%	19.9%	1.2%	7.2%		92.8%					100.0%			100.0%	100.0%				
Mazda	All	All	2015	38.1	25.2	33.2	29.2	3473		146	178	8.8	1.225	0.0514	66.9			77.5%	21.0%	1.6%	7.0%		93.0%					100.0%			100.0%	100.0%				
Mazda	All	All	2016	38.8	25.9	33.1	29.6	3507		143	177	8.9	1.238	0.0507	68.0			61.1%	35.2%	3.7%	6.1%		93.9%					100.0%			100.0%	100.0%				
Mazda	All	All	2017	38.6	25.4	33.0	29.3	3498		142	177	8.8	1.245	0.0507	67.3			75.6%	21.7%	2.8%	8.1%		91.9%					100.0%			100.0%	100.0%				

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	Car	Car	1975	17.2	13.4	16.7	14.7	3214		161	138		0.865	0.0423	28.4					100.0%	57.8%	42.2%				51.9%		48.1%						100.0%		
BMW	Car	Car	1976	18.4	14.5	17.4	15.6	3178		159	133		0.854	0.0414	29.2					100.0%	40.6%	59.4%				58.3%		41.7%						100.0%		
BMW	Car	Car	1977	19.8	15.5	19.0	16.9	3056	95.3	148	129		0.895	0.0420	30.5	1951	2905			100.0%	67.7%	32.3%				3.7%		96.3%						100.0%		
BMW	Car	Car	1978	19.2	14.7	19.0	16.4	3065	95.8	147	128	11.5	0.893	0.0416	29.5	1885	2821			100.0%	62.8%	37.2%				3.0%		97.0%						100.0%		
BMW	Car	Car	1979	19.5	15.0	19.3	16.7	3151	96.7	150	132	12.4	0.912	0.0419	30.8	1933	2982			100.0%	67.5%	32.5%				3.3%		96.7%						100.0%		
BMW	Car	Car	1980	25.0	19.6	23.7	21.3	3064	95.9	136	122	13.1	0.928	0.0394	38.8	2491	3715			100.0%	69.5%	30.5%				2.3%		97.7%						100.0%		
BMW	Car	Car	1981	25.6	20.1	24.2	21.8	3005	95.8	131	117	13.3	0.925	0.0387	38.9	2539	3725			100.0%	71.0%	29.0%						100.0%						98.2%	1.8%	
BMW	Car	Car	1982	25.4	19.9	24.0	21.6	2980	97.3	142	118	14.0	0.869	0.0395	38.4	2547	3727			100.0%	62.8%	37.2%						100.0%						97.6%	2.4%	
BMW	Car	Car	1983	25.3	19.8	24.1	21.6	3019	97.7	146	126	12.5	0.881	0.0413	38.5	2519	3756			100.0%	63.3%	36.7%						100.0%						99.5%	0.5%	
BMW	Car	Car	1984	27.0	20.9	26.2	23.0	2905	97.3	143	122	12.2	0.877	0.0417	39.3	2671	3824			100.0%	64.9%	35.1%						100.0%						99.2%	0.8%	
BMW	Car	Car	1985	25.4	19.4	25.3	21.7	3191	97.6	160	129	12.3	0.822	0.0402	40.8	2533	3986			100.0%	52.0%	1.3%	46.7%					97.0%		3.0%				99.0%	1.0%	0.0%
BMW	Car	Car	1986	25.0	18.9	24.9	21.2	3232	97.3	175	132	11.4	0.758	0.0409	40.7	2473	3957			100.0%	49.8%	1.2%	49.0%					98.8%		1.2%				99.1%	0.8%	0.0%
BMW	Car	Car	1987	23.9	18.0	23.9	20.3	3236	96.9	171	147	10.9	0.868	0.0455	39.1	2361	3789			100.0%	56.9%	1.0%	42.1%					100.0%						99.3%	0.7%	0.0%
BMW	Car	Car	1988	21.3	15.9	21.1	18.0	3577	102.1	185	177	10.6	0.964	0.0492	38.4	2206	3914	1.9%		98.1%	31.1%	1.3%	67.7%					100.0%			6.7%			69.7%	30.3%	0.0%
BMW	Car	Car	1989	21.7	16.3	21.3	18.3	3494	99.0	176	184	9.7	1.068	0.0529	38.0	2164	3766		3.4%	96.6%	26.2%	1.3%	72.5%					100.0%			1.3%			85.0%	15.0%	
BMW	Car	Car	1990	21.9	16.2	21.7	18.4	3584	101.6	179	187	9.1	1.064	0.0522	39.2	2229	3988		1.0%	99.0%	27.8%	0.8%	71.4%					100.0%			1.4%			80.5%	19.5%	
BMW	Car	Car	1991	22.8	16.6	22.8	19.1	3557	98.7	164	183	9.4	1.146	0.0510	40.7	2291	4027			100.0%	41.3%	1.1%	57.6%					100.0%			54.4%	22.8%		87.7%	12.3%	
BMW	Car	Car	1992	23.8	17.1	24.1	19.9	3648	97.9	156	186	9.2	1.205	0.0509	43.4	2337	4256			100.0%	33.0%		67.0%					100.0%			82.5%	71.8%		95.3%	4.7%	
BMW	Car	Car	1993	25.0	17.8	25.4	20.9	3640	99.5	161	194	8.4	1.221	0.0530	45.6	2505	4539			100.0%	28.9%		71.1%					100.0%			96.7%	65.7%		85.5%	14.5%	0.0%
BMW	Car	Car	1994	24.9	17.5	25.3	20.8	3660	98.0	164	198	8.4	1.218	0.0536	45.6	2447	4465			100.0%	24.9%		75.1%					100.0%			99.4%	62.8%		88.2%	11.8%	0.0%
BMW	Car	Car	1995	25.1	17.6	25.4	20.8	3760	99.7	167	203	8.6	1.226	0.0536	47.1	2505	4701			100.0%	27.0%		73.0%					100.0%			99.2%	59.5%		84.8%	15.2%	0.0%
BMW	Car	Car	1996	27.1	19.0	26.8	22.3	3453	87.9	161	181	9.1	1.141	0.0517	46.7	2366	4117			100.0%	37.9%		62.1%					100.0%			97.6%	99.7%		89.1%	0.3%	10.6%
BMW	Car	Car	1997	25.5	17.7	25.4	21.1	3572	92.7	182	202	8.6	1.125	0.0561	45.5	2356	4254			100.0%	30.9%		69.1%					100.0%			99.4%	99.9%		86.4%	3.5%	10.1%
BMW	Car	Car	1998	25.2	17.4	25.0	20.7	3595	92.6	184	205	8.7	1.124	0.0567	45.2	2326	4229			100.0%	32.0%		68.0%					100.0%			99.1%	100.0%		84.8%	4.0%	11.1%
BMW	Car	Car	1999	25.2	17.3	25.0	20.7	3676	96.2	179	199	8.9	1.115	0.0540	46.2	2422	4484			100.0%	32.1%		67.9%					100.0%			99.4%	99.7%		92.4%	2.2%	5.4%
BMW	Car	Car	2000	24.6	16.8	24.4	20.2	3681	95.4	179	198	8.5	1.108	0.0537	45.3	2357	4380			100.0%	27.9%		72.1%					100.0%			99.9%	99.9%		90.3%	3.0%	6.7%
BMW	Car	Car	2001	24.7	16.8	24.2	20.2	3734	96.7	184	220	7.9	1.206	0.0591	46.2	2399	4507		7.1%	92.9%	23.6%		76.4%					100.0%			99.6%	99.9%		87.4%	4.1%	8.5%
BMW	Car	Car	2002	26.0	17.6	25.2	21.1	3684	97.9	174	217	8.1	1.253	0.0585	48.0	2565	4724	8.7%	9.0%	82.4%	28.9%		69.5%	1.6%				100.0%			99.9%	91.3%		90.7%	0.0%	9.3%
BMW	Car	Car	2003	26.5	17.8	25.7	21.5	3586	94.7	168	210	8.1	1.259	0.0579	47.6	2528	4548	14.4%	9.4%	76.2%	25.4%		70.7%	3.9%				100.0%			100.0%	85.6%		90.7%		9.3%
BMW	Car	Car	2004	26.2	17.4	25.5	21.2	3596	97.2	171	214	8.0	1.261	0.0589	47.2	2561	4597	13.7%	8.5%	77.8%	22.9%		72.9%	4.2%				100.0%			100.0%	86.3%		71.4%	21.4%	7.2%
BMW	Car	Car	2005	26.9	17.8	25.8	21.6	3509	93.1	163	208	8.0	1.300	0.0583	47.3	2526	4415	28.0%	6.6%	65.4%	25.9%		66.6%	7.5%				100.0%			100.0%	72.0%		78.6%	17.0%	4.4%
BMW	Car	Car	2006	27.0	17.8	26.1	21.7	3628	100.5	185	229	7.6	1.254	0.0623	49.2	2738	4955	16.7%		83.3%	17.6%		78.5%	3.9%				100.0%			100.0%	83.4%		74.1%	16.7%	9.1%
BMW	Car	Car	2007	27.5	18.1	26.7	22.1	3697	100.6	185	243	7.4	1.327	0.0647	51.2	2801	5150	14.3%	18.6%	67.1%	15.9%		83.5%	0.6%			7.8%	92.2%			100.0%	97.5%		74.2%	19.9%	5.9%
BMW	Car	Car	2008	27.2	17.8	26.4	21.9	3794	102.0	185	256	7.3	1.394	0.0666	52.0	2810	5300	13.9%	20.2%	65.9%	14.9%		84.5%	0.5%			10.0%	90.0%			100.0%	98.1%		67.1%	28.3%	4.7%
BMW	Car	Car	2009	28.4	18.7	27.4	22.8	3692	99.1	172	242	7.4	1.411	0.0644	53.0	2868	5236	22.1%	20.8%	57.1%	18.3%		81.7%				30.5%	68.8%		0.6%	100.0%	100.0%		82.6%	12.9%	4.5%
BMW	Car	Car	2010	28.5	18.8	27.3	22.8	3706	100.4	170	248	7.4	1.470	0.0655	53.3	2910	5344	28.4%	24.6%	47.0%	13.9%		86.1%				36.8%	62.0%		1.2%	100.0%	98.8%		70.2%	23.3%	6.5%
BMW	Car	Car	2011	29.1	19.1	27.7	23.2	3857	102.9	177	255	7.2	1.442	0.0652	57.2	3075	5916	14.0%	29.4%	56.6%	10.5%	4.2%	85.3%				38.7%	58.9%		2.2%	99.8%	97.6%	0.2%	74.9%	19.9%	5.2%
BMW	Car	Car	2012	32.2	21.0	29.2	25.0	3741	101.6	149	252	7.3	1.693	0.0652	60.9	3355	6236	31.1%	21.9%	47.0%	13.1%	3.1%	83.8%				73.1%	26.9%			100.0%	100.0%	0.2%	69.6%	21.9%	8.5%
BMW	Car	Car	2013	32.9	21.4	30.5	25.8	3779	104.0	144	260	7.0	1.812	0.0673	62.6	3476	6565	21.9%	31.6%	46.5%	8.6%	3.6%	87.8%				81.2%	18.8%			100.0%	100.0%	0.7%	70.0%	19.5%	10.5%
BMW	Car	Car	2014	34.7	22.6	32.2	27.2	3855	108.6	140	259	6.9	1.915	0.0663	71.8	4090	7761	12.7%	39.4%	47.9%	5.0%	4.8%	90.2%				87.5%	6.0%		5.4%	98.9%	91.6%	2.3%	66.8%	18.4%	14.9%
BMW	Car	Car	2015	34.6	22.5	32.1	27.1	3799	106.3	136	255	6.9	1.928	0.0662	69.8	3946	7405	17.1%	37.2%	45.7%	5.6%	6.3%	88.1%				93.6%	4.2%		1.5%	99.3%	95.8%	2.7%	74.2%	13.5%	12.3%
BMW	Car	Car	2016	33.9	22.0	31.8	26.7	3863	108.2	139	254	6.9	1.834	0.0651	69.8	3945	7531	14.5%	41.7%	43.8%	5.0%	5.3%	89.7%				96.1%	2.6%		1.1%	99.7%	97.4%	1.9%	66.5%	19.0%	14.5%
BMW	Car	Car	2017	35.3	23.0	32.3	27.5	3823	108.2	134	243	7.0	1.795	0.0625	72.6	4131	7815	21.8%	38.9%	39.2%	6.9%	6.0%	87.0%				95.9%	3.0%		0.6%	99.5%	95.9%	5.1%	60.7%	22.1%	17.2%

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	Car	Car SUV	1975																																
BMW	Car	Car SUV	1976																																
BMW	Car	Car SUV	1977																																
BMW	Car	Car SUV	1978																																
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BMW	Car	Car SUV	2012																																
BMW	Car	Car SUV	2013																																
BMW	Car	Car SUV	2014																																
BMW	Car	Car SUV	2015	35.3	22.7	33.1	27.6	4000		122	240	7.3	1.966	0.0600	70.5					100.0%			100.0%				100.0%				100.0%	100.0%				
BMW	Car	Car SUV	2016	34.8	22.4	32.8	27.3	4000		122	240	7.3	1.966	0.0600	69.6					100.0%			100.0%				100.0%				100.0%	100.0%				
BMW	Car	Car SUV	2017	31.3	21.1	27.6	24.4	4000		122	240	7.3	1.966	0.0600	62.5					100.0%			100.0%				100.0%				100.0%	100.0%				

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering										Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	Car	All	1975	17.2	13.4	16.7	14.7	3214		161	138		0.865	0.0423	28.4					100.0%	57.8%	42.2%				51.9%		48.1%						100.0%		
BMW	Car	All	1976	18.4	14.5	17.4	15.6	3178		159	133		0.854	0.0414	29.2					100.0%	40.6%	59.4%				58.3%		41.7%						100.0%		
BMW	Car	All	1977	19.8	15.5	19.0	16.9	3056		148	129		0.895	0.0420	30.5					100.0%	67.7%	32.3%				3.7%		96.3%						100.0%		
BMW	Car	All	1978	19.2	14.7	19.0	16.4	3065		147	128	11.5	0.893	0.0416	29.5					100.0%	62.8%	37.2%				3.0%		97.0%						100.0%		
BMW	Car	All	1979	19.5	15.0	19.3	16.7	3151		150	132	12.4	0.912	0.0419	30.8					100.0%	67.5%	32.5%				3.3%		96.7%						100.0%		
BMW	Car	All	1980	25.0	19.6	23.7	21.3	3064		136	122	13.1	0.928	0.0394	38.8					100.0%	69.5%	30.5%				2.3%		97.7%						100.0%		
BMW	Car	All	1981	25.6	20.1	24.2	21.8	3005		131	117	13.3	0.925	0.0387	38.9					100.0%	71.0%	29.0%						100.0%						98.2%	1.8%	
BMW	Car	All	1982	25.4	19.9	24.0	21.6	2980		142	118	14.0	0.869	0.0395	38.4					100.0%	62.8%	37.2%						100.0%						97.6%	2.4%	
BMW	Car	All	1983	25.3	19.8	24.1	21.6	3019		146	126	12.5	0.881	0.0413	38.5					100.0%	63.3%	36.7%						100.0%						99.5%	0.5%	
BMW	Car	All	1984	27.0	20.9	26.2	23.0	2905		143	122	12.2	0.877	0.0417	39.3					100.0%	64.9%	35.1%						100.0%						99.2%	0.8%	
BMW	Car	All	1985	25.4	19.4	25.3	21.7	3191		160	129	12.3	0.822	0.0402	40.8					100.0%	52.0%	1.3%	46.7%					97.0%		3.0%				99.0%	1.0%	0.0%
BMW	Car	All	1986	25.0	18.9	24.9	21.2	3232		175	132	11.4	0.758	0.0409	40.7					100.0%	49.8%	1.2%	49.0%					98.8%		1.2%				99.1%	0.8%	0.0%
BMW	Car	All	1987	23.9	18.0	23.9	20.3	3236		171	147	10.9	0.868	0.0455	39.1					100.0%	56.9%	1.0%	42.1%					100.0%						99.3%	0.7%	0.0%
BMW	Car	All	1988	21.3	15.9	21.1	18.0	3577		185	177	10.6	0.964	0.0492	38.4			1.9%		98.1%	31.1%	1.3%	67.7%					100.0%			6.7%			69.7%	30.3%	0.0%
BMW	Car	All	1989	21.7	16.3	21.3	18.3	3494		176	184	9.7	1.068	0.0529	38.0				3.4%	96.6%	26.2%	1.3%	72.5%					100.0%			1.3%			85.0%	15.0%	
BMW	Car	All	1990	21.9	16.2	21.7	18.4	3584		179	187	9.1	1.064	0.0522	39.2				1.0%	99.0%	27.8%	0.8%	71.4%					100.0%			1.4%			80.5%	19.5%	
BMW	Car	All	1991	22.8	16.6	22.8	19.1	3557		164	183	9.4	1.146	0.0510	40.7					100.0%	41.3%	1.1%	57.6%					100.0%			54.4%	22.8%		87.7%	12.3%	
BMW	Car	All	1992	23.8	17.1	24.1	19.9	3648		156	186	9.2	1.205	0.0509	43.4					100.0%	33.0%		67.0%					100.0%			82.5%	71.8%		95.3%	4.7%	
BMW	Car	All	1993	25.0	17.8	25.4	20.9	3640		161	194	8.4	1.221	0.0530	45.6					100.0%	28.9%		71.1%					100.0%			96.7%	65.7%		85.5%	14.5%	0.0%
BMW	Car	All	1994	24.9	17.5	25.3	20.8	3660		164	198	8.4	1.218	0.0536	45.6					100.0%	24.9%		75.1%					100.0%			99.4%	62.8%		88.2%	11.8%	0.0%
BMW	Car	All	1995	25.1	17.6	25.4	20.8	3760		167	203	8.6	1.226	0.0536	47.1					100.0%	27.0%		73.0%					100.0%			99.2%	59.5%		84.8%	15.2%	0.0%
BMW	Car	All	1996	27.1	19.0	26.8	22.3	3453		161	181	9.1	1.141	0.0517	46.7					100.0%	37.9%		62.1%					100.0%			97.6%	99.7%		89.1%	0.3%	10.6%
BMW	Car	All	1997	25.5	17.7	25.4	21.1	3572		182	202	8.6	1.125	0.0561	45.5					100.0%	30.9%		69.1%					100.0%			99.4%	99.9%		86.4%	3.5%	10.1%
BMW	Car	All	1998	25.2	17.4	25.0	20.7	3595		184	205	8.7	1.124	0.0567	45.2					100.0%	32.0%		68.0%					100.0%			99.1%	100.0%		84.8%	4.0%	11.1%
BMW	Car	All	1999	25.2	17.3	25.0	20.7	3676		179	199	8.9	1.115	0.0540	46.2					100.0%	32.1%		67.9%					100.0%			99.4%	99.7%		92.4%	2.2%	5.4%
BMW	Car	All	2000	24.6	16.8	24.4	20.2	3681		179	198	8.5	1.108	0.0537	45.3					100.0%	27.9%		72.1%					100.0%			99.9%	99.9%		90.3%	3.0%	6.7%
BMW	Car	All	2001	24.7	16.8	24.2	20.2	3734		184	220	7.9	1.206	0.0591	46.2				7.1%	92.9%	23.6%		76.4%					100.0%			99.6%	99.9%		87.4%	4.1%	8.5%
BMW	Car	All	2002	26.0	17.6	25.2	21.1	3684		174	217	8.1	1.253	0.0585	48.0			8.7%	9.0%	82.4%	28.9%		69.5%	1.6%				100.0%			99.9%	91.3%		90.7%	0.0%	9.3%
BMW	Car	All	2003	26.5	17.8	25.7	21.5	3586		168	210	8.1	1.259	0.0579	47.6			14.4%	9.4%	76.2%	25.4%		70.7%	3.9%				100.0%			100.0%	85.6%		90.7%		9.3%
BMW	Car	All	2004	26.2	17.4	25.5	21.2	3596		171	214	8.0	1.261	0.0589	47.2			13.7%	8.5%	77.8%	22.9%		72.9%	4.2%				100.0%			100.0%	86.3%		71.4%	21.4%	7.2%
BMW	Car	All	2005	26.9	17.8	25.8	21.6	3509		163	208	8.0	1.300	0.0583	47.3			28.0%	6.6%	65.4%	25.9%		66.6%	7.5%				100.0%			100.0%	72.0%		78.6%	17.0%	4.4%
BMW	Car	All	2006	27.0	17.8	26.1	21.7	3628		185	229	7.6	1.254	0.0623	49.2			16.7%		83.3%	17.6%		78.5%	3.9%				100.0%			100.0%	83.4%		74.1%	16.7%	9.1%
BMW	Car	All	2007	27.5	18.1	26.7	22.1	3697		185	243	7.4	1.327	0.0647	51.2			14.3%	18.6%	67.1%	15.9%		83.5%	0.6%			7.8%	92.2%			100.0%	97.5%		74.2%	19.9%	5.9%
BMW	Car	All	2008	27.2	17.8	26.4	21.9	3794		185	256	7.3	1.394	0.0666	52.0			13.9%	20.2%	65.9%	14.9%		84.5%	0.5%			10.0%	90.0%			100.0%	98.1%		67.1%	28.3%	4.7%
BMW	Car	All	2009	28.4	18.7	27.4	22.8	3692		172	242	7.4	1.411	0.0644	53.0			22.1%	20.8%	57.1%	18.3%		81.7%				30.5%	68.8%		0.6%	100.0%	100.0%		82.6%	12.9%	4.5%
BMW	Car	All	2010	28.5	18.8	27.3	22.8	3706		170	248	7.4	1.470	0.0655	53.3			28.4%	24.6%	47.0%	13.9%		86.1%				36.8%	62.0%		1.2%	100.0%	98.8%		70.2%	23.3%	6.5%
BMW	Car	All	2011	29.1	19.1	27.7	23.2	3857		177	255	7.2	1.442	0.0652	57.2			14.0%	29.4%	56.6%	10.5%	4.2%	85.3%				38.7%	58.9%		2.2%	99.8%	97.6%	0.2%	74.9%	19.9%	5.2%
BMW	Car	All	2012	32.2	21.0	29.2	25.0	3741		149	252	7.3	1.693	0.0652	60.9			31.1%	21.9%	47.0%	13.1%	3.1%	83.8%				73.1%	26.9%			100.0%	100.0%	0.2%	69.6%	21.9%	8.5%
BMW	Car	All	2013	32.9	21.4	30.5	25.8	3779		144	260	7.0	1.812	0.0673	62.6			21.9%	31.6%	46.5%	8.6%	3.6%	87.8%				81.2%	18.8%			100.0%	100.0%	0.7%	70.0%	19.5%	10.5%
BMW	Car	All	2014	34.7	22.6	32.2	27.2	3855		140	259	6.9	1.915	0.0663	71.8			12.7%	39.4%	47.9%	5.0%	4.8%	90.2%				87.5%	6.0%		5.4%	98.9%	91.6%	2.3%	66.8%	18.4%	14.9%
BMW	Car	All	2015	34.6	22.5	32.1	27.1	3800		136	255	6.9	1.928	0.0662	69.8			17.0%	37.0%	46.0%	5.6%	6.2%	88.2%				93.7%	4.1%		1.5%	99.3%	95.8%	2.7%			
BMW	Car	All	2016	33.9	22.0	31.8	26.7	3865		139	254	6.9	1.835	0.0650	69.8			14.4%	41.2%	44.4%	5.0%	5.2%	89.8%				96.1%	2.6%		1.0%	99.7%	97.4%	1.9%			
BMW	Car	All	2017	35.3	23.0	32.2	27.5	3825		134	243	7.0	1.797	0.0624	72.5			21.7%	38.6%	39.7%	6.9%	6.0%	87.1%				95.9%	3.0%		0.6%	99.5%	95.9%	5.1%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	Truck	Truck SUV	1975																																
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BMW	Truck	Truck SUV	1998																																
BMW	Truck	Truck SUV	1999																																
BMW	Truck	Truck SUV	2000	17.5	12.4	16.5	14.3	5000		268	282	8.1	1.052	0.0564	43.6					100.0%				100.0%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2001	19.2	13.5	18.1	15.7	4797		212	247	8.9	1.183	0.0514	46.1				100.0%			4.1%		95.9%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2002	20.1	14.0	18.9	16.3	5000		203	243	9.4	1.211	0.0485	50.4				100.0%			2.0%		98.0%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2003	20.0	13.9	18.7	16.2	5000		205	244	9.2	1.206	0.0488	50.2				100.0%			1.6%		98.4%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2004	21.5	14.5	20.7	17.4	4508		185	228	9.1	1.231	0.0506	48.3				100.0%			8.7%		91.3%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2005	21.3	14.3	20.4	17.2	4562		194	239	8.9	1.237	0.0526	48.4				100.0%			1.9%		98.1%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2006	21.2	14.2	20.4	17.2	4543		196	242	8.8	1.239	0.0536	48.1				100.0%			1.2%		98.8%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2007	23.4	15.8	22.0	18.8	4581		204	275	8.0	1.363	0.0603	53.5				100.0%			1.0%		99.0%					100.0%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2008	22.9	15.5	21.6	18.5	4753		204	278	8.1	1.383	0.0588	54.4				100.0%			0.7%		99.3%				6.3%	93.7%			100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2009	22.7	15.3	21.4	18.3	4984		205	284	8.1	1.404	0.0571	56.9				100.0%			0.2%		99.8%				12.9%	79.0%		8.1%	100.0%		100.0%	100.0%				
BMW	Truck	Truck SUV	2010	23.6	15.9	22.0	18.9	4935		199	292	8.1	1.460	0.0592	59.0				100.0%			0.5%	1.2%	98.4%				14.5%	67.1%		18.4%	100.0%		81.6%	1.2%				
BMW	Truck	Truck SUV	2011	25.3	17.0	23.7	20.3	4964		193	300	7.4	1.548	0.0604	63.4				100.0%				0.1%	99.9%				60.2%	24.0%		15.9%	100.0%		84.1%	0.1%				
BMW	Truck	Truck SUV	2012	25.0	16.8	23.6	20.1	5027		191	300	7.5	1.563	0.0596	63.5				100.0%					100.0%				65.5%	16.8%		17.7%	100.0%		82.3%					
BMW	Truck	Truck SUV	2013	25.8	17.3	24.2	20.6	4726		171	290	7.2	1.729	0.0613	61.2				100.0%					100.0%				96.2%			3.8%	100.0%		96.2%					
BMW	Truck	Truck SUV	2014	28.7	19.2	26.4	22.7	4602		166	286	7.1	1.756	0.0619	66.4				93.2%	6.8%				100.0%				95.1%			4.9%	100.0%		95.1%					
BMW	Truck	Truck SUV	2015	28.5	19.0	26.6	22.7	4803		176	294	7.2	1.692	0.0610	69.2				91.7%	8.3%				100.0%				89.0%			11.0%	100.0%		89.0%					
BMW	Truck	Truck SUV	2016	28.8	19.5	25.9	22.7	4705		164	287	7.1	1.772	0.0608	70.3				91.1%	8.9%				100.0%				96.6%			3.4%	100.0%		96.6%	5.5%				
BMW	Truck	Truck SUV	2017	27.9	18.9	25.3	22.1	4656		167	290	7.1	1.761	0.0619	65.2				90.7%	9.3%				100.0%				98.2%			1.8%	100.0%		98.2%	0.5%				

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	Truck	All	1975																																	
BMW	Truck	All	1976																																	
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BMW	Truck	All	1998																																	
BMW	Truck	All	1999																																	
BMW	Truck	All	2000	17.5	12.4	16.5	14.3	5000		268	282	8.1	1.052	0.0564	43.6					100.0%				100.0%					100.0%			100.0%		100.0%			
BMW	Truck	All	2001	19.2	13.5	18.1	15.7	4797		212	247	8.9	1.183	0.0514	46.1				100.0%		4.1%		95.9%					100.0%			100.0%	100.0%				
BMW	Truck	All	2002	20.1	14.0	18.9	16.3	5000		203	243	9.4	1.211	0.0485	50.4				100.0%		2.0%		98.0%					100.0%			100.0%	100.0%				
BMW	Truck	All	2003	20.0	13.9	18.7	16.2	5000		205	244	9.2	1.206	0.0488	50.2				100.0%		1.6%		98.4%					100.0%			100.0%	100.0%				
BMW	Truck	All	2004	21.5	14.5	20.7	17.4	4508		185	228	9.1	1.231	0.0506	48.3				100.0%		8.7%		91.3%					100.0%			100.0%	100.0%				
BMW	Truck	All	2005	21.3	14.3	20.4	17.2	4562		194	239	8.9	1.237	0.0526	48.4				100.0%		1.9%		98.1%					100.0%			100.0%	100.0%				
BMW	Truck	All	2006	21.2	14.2	20.4	17.2	4543		196	242	8.8	1.239	0.0536	48.1				100.0%		1.2%		98.8%					100.0%			100.0%	100.0%				
BMW	Truck	All	2007	23.4	15.8	22.0	18.8	4581		204	275	8.0	1.363	0.0603	53.5				100.0%		1.0%		99.0%					100.0%			100.0%	100.0%				
BMW	Truck	All	2008	22.9	15.5	21.6	18.5	4753		204	278	8.1	1.383	0.0588	54.4				100.0%		0.7%		99.3%				6.3%	93.7%			100.0%	100.0%				
BMW	Truck	All	2009	22.7	15.3	21.4	18.3	4984		205	284	8.1	1.404	0.0571	56.9				100.0%		0.2%		99.8%				12.9%	79.0%		8.1%	100.0%	100.0%				
BMW	Truck	All	2010	23.6	15.9	22.0	18.9	4935		199	292	8.1	1.460	0.0592	59.0				100.0%		0.5%	1.2%	98.4%				14.5%	67.1%		18.4%	100.0%	81.6%	1.2%			
BMW	Truck	All	2011	25.3	17.0	23.7	20.3	4964		193	300	7.4	1.548	0.0604	63.4				100.0%			0.1%	99.9%				60.2%	24.0%		15.9%	100.0%	84.1%	0.1%			
BMW	Truck	All	2012	25.0	16.8	23.6	20.1	5027		191	300	7.5	1.563	0.0596	63.5				100.0%				100.0%				65.5%	16.8%		17.7%	100.0%	82.3%				
BMW	Truck	All	2013	25.8	17.3	24.2	20.6	4726		171	290	7.2	1.729	0.0613	61.2				100.0%				100.0%				96.2%			3.8%	100.0%	96.2%				
BMW	Truck	All	2014	28.7	19.2	26.4	22.7	4602		166	286	7.1	1.756	0.0619	66.4				93.2%	6.8%			100.0%				95.1%			4.9%	100.0%	95.1%				
BMW	Truck	All	2015	28.5	19.0	26.6	22.7	4803		176	294	7.2	1.692	0.0610	69.2				91.7%	8.3%			100.0%				89.0%			11.0%	100.0%	89.0%				
BMW	Truck	All	2016	28.8	19.5	25.9	22.7	4705		164	287	7.1	1.772	0.0608	70.3				91.1%	8.9%			100.0%				96.6%			3.4%	100.0%	96.6%	5.5%			
BMW	Truck	All	2017	27.9	18.9	25.3	22.1	4656		167	290	7.1	1.761	0.0619	65.2				90.7%	9.3%			100.0%				98.2%			1.8%	100.0%	98.2%	0.5%			

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine							Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
BMW	All	All	1975	17.2	13.4	16.7	14.7	3214		161	138		0.865	0.0423	28.4					100.0%	57.8%	42.2%				51.9%		48.1%						100.0%		
BMW	All	All	1976	18.4	14.5	17.4	15.6	3178		159	133		0.854	0.0414	29.2					100.0%	40.6%	59.4%				58.3%		41.7%						100.0%		
BMW	All	All	1977	19.8	15.5	19.0	16.9	3056		148	129		0.895	0.0420	30.5					100.0%	67.7%	32.3%				3.7%		96.3%						100.0%		
BMW	All	All	1978	19.2	14.7	19.0	16.4	3065		147	128	11.5	0.893	0.0416	29.5					100.0%	62.8%	37.2%				3.0%		97.0%						100.0%		
BMW	All	All	1979	19.5	15.0	19.3	16.7	3151		150	132	12.4	0.912	0.0419	30.8					100.0%	67.5%	32.5%				3.3%		96.7%						100.0%		
BMW	All	All	1980	25.0	19.6	23.7	21.3	3064		136	122	13.1	0.928	0.0394	38.8					100.0%	69.5%	30.5%				2.3%		97.7%						100.0%		
BMW	All	All	1981	25.6	20.1	24.2	21.8	3005		131	117	13.3	0.925	0.0387	38.9					100.0%	71.0%	29.0%						100.0%						98.2%	1.8%	
BMW	All	All	1982	25.4	19.9	24.0	21.6	2980		142	118	14.0	0.869	0.0395	38.4					100.0%	62.8%	37.2%						100.0%						97.6%	2.4%	
BMW	All	All	1983	25.3	19.8	24.1	21.6	3019		146	126	12.5	0.881	0.0413	38.5					100.0%	63.3%	36.7%						100.0%						99.5%	0.5%	
BMW	All	All	1984	27.0	20.9	26.2	23.0	2905		143	122	12.2	0.877	0.0417	39.3					100.0%	64.9%	35.1%						100.0%						99.2%	0.8%	
BMW	All	All	1985	25.4	19.4	25.3	21.7	3191		160	129	12.3	0.822	0.0402	40.8					100.0%	52.0%	1.3%	46.7%					97.0%		3.0%				99.0%	1.0%	0.0%
BMW	All	All	1986	25.0	18.9	24.9	21.2	3232		175	132	11.4	0.758	0.0409	40.7					100.0%	49.8%	1.2%	49.0%					98.8%		1.2%				99.1%	0.8%	0.0%
BMW	All	All	1987	23.9	18.0	23.9	20.3	3236		171	147	10.9	0.868	0.0455	39.1					100.0%	56.9%	1.0%	42.1%					100.0%						99.3%	0.7%	0.0%
BMW	All	All	1988	21.3	15.9	21.1	18.0	3577		185	177	10.6	0.964	0.0492	38.4			1.9%		98.1%	31.1%	1.3%	67.7%					100.0%			6.7%			69.7%	30.3%	0.0%
BMW	All	All	1989	21.7	16.3	21.3	18.3	3494		176	184	9.7	1.068	0.0529	38.0				3.4%	96.6%	26.2%	1.3%	72.5%					100.0%			1.3%			85.0%	15.0%	
BMW	All	All	1990	21.9	16.2	21.7	18.4	3584		179	187	9.1	1.064	0.0522	39.2				1.0%	99.0%	27.8%	0.8%	71.4%					100.0%			1.4%			80.5%	19.5%	
BMW	All	All	1991	22.8	16.6	22.8	19.1	3557		164	183	9.4	1.146	0.0510	40.7					100.0%	41.3%	1.1%	57.6%					100.0%			54.4%	22.8%		87.7%	12.3%	
BMW	All	All	1992	23.8	17.1	24.1	19.9	3648		156	186	9.2	1.205	0.0509	43.4					100.0%	33.0%		67.0%					100.0%			82.5%	71.8%		95.3%	4.7%	
BMW	All	All	1993	25.0	17.8	25.4	20.9	3640		161	194	8.4	1.221	0.0530	45.6					100.0%	28.9%		71.1%					100.0%			96.7%	65.7%		85.5%	14.5%	0.0%
BMW	All	All	1994	24.9	17.5	25.3	20.8	3660		164	198	8.4	1.218	0.0536	45.6					100.0%	24.9%		75.1%					100.0%			99.4%	62.8%		88.2%	11.8%	0.0%
BMW	All	All	1995	25.1	17.6	25.4	20.8	3760		167	203	8.6	1.226	0.0536	47.1					100.0%	27.0%		73.0%					100.0%			99.2%	59.5%		84.8%	15.2%	0.0%
BMW	All	All	1996	27.1	19.0	26.8	22.3	3453		161	181	9.1	1.141	0.0517	46.7					100.0%	37.9%		62.1%					100.0%			97.6%	99.7%		89.1%	0.3%	10.6%
BMW	All	All	1997	25.5	17.7	25.4	21.1	3572		182	202	8.6	1.125	0.0561	45.5					100.0%	30.9%		69.1%					100.0%			99.4%	99.9%		86.4%	3.5%	10.1%
BMW	All	All	1998	25.2	17.4	25.0	20.7	3595		184	205	8.7	1.124	0.0567	45.2					100.0%	32.0%		68.0%					100.0%			99.1%	100.0%		84.8%	4.0%	11.1%
BMW	All	All	1999	25.2	17.3	25.0	20.7	3676		179	199	8.9	1.115	0.0540	46.2					100.0%	32.1%		67.9%					100.0%			99.4%	99.7%		92.4%	2.2%	5.4%
BMW	All	All	2000	24.3	16.6	24.1	19.9	3721		182	201	8.5	1.107	0.0538	45.3					100.0%	27.1%		72.9%					100.0%			99.9%	99.9%				
BMW	All	All	2001	23.3	16.0	22.6	19.0	3959		190	226	8.1	1.201	0.0574	46.2				26.7%	73.3%	19.5%		80.5%					100.0%			99.7%	100.0%				
BMW	All	All	2002	24.7	16.8	23.9	20.1	3911		179	222	8.3	1.246	0.0568	48.4			7.2%	24.7%	68.2%	24.2%		74.4%	1.3%				100.0%			100.0%	92.8%				
BMW	All	All	2003	25.2	17.0	24.2	20.4	3811		174	215	8.3	1.250	0.0565	48.1			12.1%	23.8%	64.1%	21.6%		75.1%	3.2%				100.0%			100.0%	87.9%				
BMW	All	All	2004	24.9	16.6	24.2	20.2	3807		174	217	8.3	1.254	0.0570	47.4			10.6%	29.6%	59.8%	19.7%		77.1%	3.2%				100.0%			100.0%	89.4%				
BMW	All	All	2005	25.1	16.7	24.0	20.2	3803		171	217	8.3	1.283	0.0567	47.6			20.2%	32.6%	47.2%	19.2%		75.4%	5.4%				100.0%			100.0%	79.8%				
BMW	All	All	2006	25.8	17.1	24.9	20.8	3779		187	231	7.8	1.252	0.0608	49.0			14.0%	16.5%	69.5%	14.9%		81.9%	3.2%				100.0%			100.0%	86.1%				
BMW	All	All	2007	26.7	17.6	25.7	21.5	3860		189	249	7.5	1.334	0.0639	51.6			11.7%	33.6%	54.7%	13.1%		86.4%	0.5%			6.3%	93.7%			100.0%	98.0%				
BMW	All	All	2008	26.3	17.4	25.4	21.2	3961		188	260	7.5	1.392	0.0652	52.4			11.5%	34.1%	54.4%	12.4%		87.1%	0.4%			9.4%	90.6%			100.0%	98.4%				
BMW	All	All	2009	27.3	18.0	26.2	21.9	3903		178	249	7.5	1.410	0.0632	53.6			18.5%	33.7%	47.8%	15.4%		84.6%				27.7%	70.5%		1.9%	100.0%	100.0%				
BMW	All	All	2010	27.6	18.3	26.3	22.1	3899		174	255	7.5	1.468	0.0645	54.2			23.9%	36.5%	39.6%	11.8%	0.2%	88.0%				33.3%	62.8%		3.9%	100.0%	96.1%	0.2%			
BMW	All	All	2011	28.4	18.7	26.9	22.6	4045		180	262	7.2	1.460	0.0644	58.3			11.6%	41.4%	47.0%	8.7%	3.5%	87.8%				42.3%	53.0%		4.5%	99.8%	95.3%	0.2%			
BMW	All	All	2012	30.0	19.7	27.5	23.5	4071		160	264	7.3	1.660	0.0637	61.6			23.1%	41.9%	35.0%	9.7%	2.3%	87.9%				71.2%	24.3%		4.5%	100.0%	95.5%	0.2%			
BMW	All	All	2013	30.8	20.2	28.7	24.3	4012		151	267	7.0	1.792	0.0658	62.3			16.5%	48.4%	35.1%	6.5%	2.7%	90.8%				84.9%	14.2%		0.9%	100.0%	99.1%	0.5%			
BMW	All	All	2014	33.2	21.7	30.8	26.1	4017		145	265	6.9	1.880	0.0653	70.6			9.9%	51.0%	39.1%	3.9%	3.7%	92.3%				89.2%	4.7%		5.3%	99.1%	92.3%	1.8%			
BMW	All	All	2015	33.2	21.7	30.8	26.1	4006		144	263	7.0	1.880	0.0651	69.7			13.5%	48.2%	38.3%	4.4%	5.0%	90.6%				92.7%	3.3%		3.5%	99.5%	94.4%	2.1%			
BMW	All	All	2016	32.4	21.3	30.0	25.5	4080		146	263	6.9	1.819	0.0639	70.0			10.7%	53.9%	35.4%	3.7%	3.9%	92.4%				96.3%	1.9%		1.6%	99.8%	97.2%	2.8%			
BMW	All	All	2017	32.7	21.6	29.8	25.6	4072		144	257	7.0	1.786	0.0623	70.3			15.2%	54.1%	30.7%	4.8%	4.2%	91.0%				96.6%	2.1%		0.9%	99.7%	96.6%	3.7%			

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Car	Car	1975	17.3	13.5	16.5	14.7	3934		205	124		0.587	0.0306	36.2					100.0%	9.5%	90.5%				26.9%		38.4%		34.7%				76.1%	23.9%	
Mercedes	Car	Car	1976	18.6	14.7	17.6	15.9	3924		196	110		0.550	0.0277	39.0					100.0%	5.3%	94.7%				23.6%		26.9%		49.5%				89.3%	10.7%	
Mercedes	Car	Car	1977	19.2	15.4	17.5	16.3	3931	101.0	199	117		0.571	0.0291	40.1	2119	4100			100.0%	9.6%	90.4%				2.7%		48.1%		49.2%				87.1%	12.9%	
Mercedes	Car	Car	1978	18.7	14.7	17.6	15.9	3971	95.9	208	128	15.5	0.606	0.0319	39.8	1979	3884			100.0%	6.3%	93.7%				1.2%		48.9%		50.0%				88.8%	11.2%	
Mercedes	Car	Car	1979	20.5	16.4	18.9	17.4	3950	97.0	203	119	16.6	0.569	0.0296	43.7	2236	4359			100.0%	8.1%	91.9%						34.7%		65.3%				85.4%	14.6%	
Mercedes	Car	Car	1980	23.9	19.5	21.4	20.3	3781	98.0	195	102	17.8	0.512	0.0266	46.4	2462	4632			100.0%	9.2%	90.8%						25.3%		74.7%				89.0%	11.0%	
Mercedes	Car	Car	1981	25.6	21.1	22.5	21.7	3747	97.5	184	103	17.4	0.551	0.0272	49.3	2625	4901			100.0%	10.5%	89.5%						23.1%		76.9%				92.3%	7.7%	
Mercedes	Car	Car	1982	26.3	21.5	23.3	22.3	3890	99.2	185	115	17.5	0.613	0.0294	52.6	2745	5328			100.0%	9.0%	91.0%						20.4%		79.6%				89.9%	10.1%	
Mercedes	Car	Car	1983	26.4	21.4	23.9	22.4	3478	106.5	167	107	15.7	0.638	0.0308	46.7	2878	4973	47.8%		52.2%	3.6%	96.4%				28.9%		11.7%	18.9%	40.5%				46.5%	53.5%	
Mercedes	Car	Car	1984	26.0	20.9	23.8	22.1	3330	106.8	166	114	14.5	0.694	0.0343	44.0	2847	4692	54.4%		45.6%	2.8%	97.2%				33.1%		29.2%	12.7%	25.0%				42.0%	58.0%	
Mercedes	Car	Car	1985	23.1	18.6	21.1	19.6	3700	97.8	195	134	13.4	0.703	0.0364	43.8	2351	4325			100.0%	3.2%	96.8%						61.1%		38.9%				86.7%	13.3%	
Mercedes	Car	Car	1986	21.1	16.6	19.8	17.9	3686	99.3	226	180	10.5	0.830	0.0484	39.5	2183	3965			100.0%	3.9%	96.1%						92.2%		7.8%	1.5%			66.7%	33.3%	
Mercedes	Car	Car	1987	22.0	17.3	20.5	18.6	3648	101.0	218	176	10.7	0.839	0.0481	41.3	2342	4223			100.0%	1.2%	98.8%						79.0%		21.0%	0.9%			66.8%	33.2%	
Mercedes	Car	Car	1988	21.1	16.3	19.7	17.8	3650	98.3	218	182	10.6	0.875	0.0496	38.9	2152	3863			100.0%	0.5%	99.5%						99.2%		0.8%				72.8%	27.2%	
Mercedes	Car	Car	1989	21.2	16.4	19.8	17.8	3743	101.5	215	186	10.2	0.901	0.0495	40.2	2212	4105			100.0%	0.4%	99.6%						99.6%		0.4%				73.9%	26.1%	
Mercedes	Car	Car	1990	21.2	16.1	20.1	17.8	3829	102.5	204	190	9.6	0.952	0.0493	41.0	2215	4191		0.9%	99.1%	0.6%	99.4%						96.5%		3.5%	13.2%			72.7%	27.3%	
Mercedes	Car	Car	1991	22.2	16.5	21.3	18.6	3836	99.4	204	188	9.9	0.937	0.0484	43.1	2274	4292		1.6%	98.4%	2.8%	97.2%						91.8%		8.2%	15.9%			76.3%	23.7%	
Mercedes	Car	Car	1992	21.8	16.1	21.0	18.2	3996	103.5	206	213	9.3	1.023	0.0524	43.9	2315	4552		3.3%	96.7%	0.4%	99.6%						93.9%		6.1%	35.9%	31.4%		72.9%	3.6%	23.5%
Mercedes	Car	Car	1993	22.7	16.7	21.9	18.9	4147	106.2	206	216	8.7	1.043	0.0515	47.4	2456	5048		1.1%	98.9%	1.6%	98.4%						100.0%			65.6%	27.6%		70.4%	2.4%	27.2%
Mercedes	Car	Car	1994	23.6	17.1	22.8	19.6	4099	103.9	210	228	8.2	1.095	0.0555	48.5	2492	5063			100.0%		100.0%						98.8%		1.2%	98.8%	27.8%		77.8%	4.3%	17.9%
Mercedes	Car	Car	1995	24.5	17.7	23.7	20.3	4082	104.7	203	218	8.8	1.080	0.0529	50.6	2633	5313			100.0%		100.0%						94.4%		5.6%	99.6%	23.9%		75.4%	4.6%	20.0%
Mercedes	Car	Car	1996	25.2	17.8	24.7	20.8	4016	104.7	194	200	9.6	1.027	0.0489	50.9	2689	5346			100.0%		83.5%	16.5%					95.7%		4.3%	100.0%	17.1%		49.2%	30.6%	20.1%
Mercedes	Car	Car	1997	25.0	17.4	24.9	20.6	4014	105.9	208	225	8.5	1.082	0.0557	50.4	2688	5355			100.0%			100.0%					97.4%		2.6%	100.0%	32.2%		36.1%	49.1%	14.8%
Mercedes	Car	Car	1998	27.0	18.8	26.5	22.2	3878	97.9	191	213	8.9	1.124	0.0544	52.8	2697	5209			100.0%			100.0%					97.0%		3.0%	100.0%	16.0%		54.1%	37.8%	8.1%
Mercedes	Car	Car	1999	26.3	18.2	25.6	21.5	3880	98.3	197	223	8.5	1.150	0.0574	51.2	2615	5074			100.0%	1.8%		98.2%					96.7%		3.3%	100.0%	9.5%		53.9%	37.6%	8.5%
Mercedes	Car	Car	2000	24.9	17.2	24.2	20.4	4018	105.2	221	242	7.8	1.122	0.0600	50.3	2645	5309			100.0%	0.5%		99.5%					100.0%			100.0%	0.2%		39.5%	32.1%	28.5%
Mercedes	Car	Car	2001	24.9	17.0	24.1	20.3	3941	101.2	223	241	7.7	1.092	0.0608	49.1	2517	4989		6.6%	93.4%	2.2%		97.8%					100.0%			100.0%	4.4%		46.7%	32.4%	20.9%
Mercedes	Car	Car	2002	24.6	16.8	23.5	20.0	3887	102.2	208	229	8.1	1.122	0.0586	47.9	2524	4913		5.6%	94.4%	3.0%		97.0%					100.0%			100.0%	13.1%		65.1%	18.5%	16.4%
Mercedes	Car	Car	2003	24.4	16.6	23.3	19.8	3920	97.8	220	248	7.7	1.161	0.0626	48.3	2432	4752		2.8%	97.2%	0.7%		99.3%					100.0%			100.0%	10.8%		59.5%	30.0%	10.5%
Mercedes	Car	Car	2004	24.5	16.5	23.3	19.8	3949	100.7	213	243	7.8	1.186	0.0610	48.8	2518	4951		18.5%	81.5%	1.0%		99.0%					100.0%			100.0%	16.3%		59.1%	30.1%	10.8%
Mercedes	Car	Car	2005	25.0	16.8	23.6	20.1	3869	97.3	201	239	7.8	1.258	0.0613	48.9	2489	4808		18.0%	82.0%	0.6%		99.4%					96.1%		3.9%	100.0%	33.2%		69.2%	24.2%	6.6%
Mercedes	Car	Car	2006	24.0	16.1	22.9	19.4	4159	111.8	225	267	7.2	1.207	0.0645	50.4	2713	5699		24.2%	75.8%	1.1%		98.9%					97.4%		2.6%	100.0%	69.2%		54.5%	29.4%	16.1%
Mercedes	Car	Car	2007	23.2	15.5	22.4	18.8	4272	108.5	241	295	7.0	1.237	0.0686	49.8	2532	5449		24.8%	75.2%	0.6%		99.4%					98.0%		2.0%	100.0%	38.4%		46.4%	26.4%	27.3%
Mercedes	Car	Car	2008	25.3	16.8	24.0	20.3	3998	101.6	219	268	7.6	1.226	0.0652	50.7	2579	5188		28.9%	71.1%	0.2%	9.9%	89.9%					97.9%		2.1%	100.0%	27.3%		63.5%	19.6%	16.8%
Mercedes	Car	Car	2009	25.6	17.0	24.4	20.6	3930	95.1	212	261	7.5	1.229	0.0645	50.6	2464	4845		27.8%	72.2%	0.1%	10.4%	89.5%					98.9%		1.1%	100.0%	57.5%		76.4%	13.8%	9.8%
Mercedes	Car	Car	2010	24.8	16.5	23.7	20.0	4145	104.7	222	273	7.2	1.235	0.0653	51.6	2608	5410		38.1%	61.9%	0.3%	2.3%	97.4%					100.0%			100.0%	100.0%	1.0%	51.5%	37.6%	10.9%
Mercedes	Car	Car	2011	25.3	16.9	24.1	20.3	4141	102.8	219	270	7.3	1.239	0.0645	52.8	2628	5439	0.0%	39.1%	60.9%	0.2%	2.3%	97.5%				0.8%	96.7%		2.2%	99.6%	99.5%	0.2%	56.0%	37.8%	6.2%
Mercedes	Car	Car	2012	28.6	18.8	27.2	22.8	4049	99.7	191	277	7.1	1.489	0.0671	58.3	2886	5864	0.0%	34.9%	65.1%	0.0%	3.1%	96.9%				74.2%	23.8%		2.0%	100.0%	97.9%	0.0%	69.5%	23.4%	7.1%
Mercedes	Car	Car	2013	30.2	19.8	28.5	24.0	3915	95.6	185	266	7.3	1.485	0.0661	59.5	2925	5734		33.7%	66.3%	0.1%	7.3%	92.6%				91.6%	7.0%		0.9%	99.5%	98.6%	0.2%	73.8%	19.7%	6.6%
Mercedes	Car	Car	2014	31.4	20.7	29.2	24.8	4055	101.3	188	276	7.0	1.526	0.0667	65.5	3301	6648	12.7%	35.5%	51.8%	0.0%	3.4%	96.5%				94.4%	3.0%		1.3%	98.6%	97.4%	0.1%	61.3%	33.2%	5.5%
Mercedes	Car	Car	2015	32.9	21.7	29.8	25.7	3967	102.7	165	276	7.0	1.746	0.0677	66.9	3500	6872	13.2%	46.4%	40.4%	0.0%	5.0%	95.0%				94.0%	4.0%		0.6%	98.6%	98.1%	0.1%	70.2%	15.5%	14.3%
Mercedes	Car	Car	2016	33.0	21.9	29.7	25.7	3952	102.5	165	274	6.9	1.727	0.0681	66.4	3479	6824	10.9%	42.5%	46.6%	0.4%	3.7%	95.9%				98.1%	0.7%		0.5%	99.4%	98.8%	0.4%	67.0%	25.5%	7.5%
Mercedes	Car	Car	2017	33.8	22.3	30.7	26.4	3969	101.8	146	269	6.8	1.879	0.0664	69.1	3553	6986	13.6%	40.9%	45.5%	0.0%	4.0%	95.9%				97.8%	0.9%			98.7%	98.7%	1.2%	65.0%	28.7%	6.2%

	Car or	Vehicle	Model	Fuel Economy (MPG)				Weight	Volume	Engine						Cu Ft-Ton-	Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Truck	Type	Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Car	Car SUV	1975																																
Mercedes	Car	Car SUV	1976																																
Mercedes	Car	Car SUV	1977																																
Mercedes	Car	Car SUV	1978																																
Mercedes	Car	Car SUV	1979																																
Mercedes	Car	Car SUV	1980																																
Mercedes	Car	Car SUV	1981																																
Mercedes	Car	Car SUV	1982																																
Mercedes	Car	Car SUV	1983																																
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Mercedes	Car	Car SUV	2003																																
Mercedes	Car	Car SUV	2004																																
Mercedes	Car	Car SUV	2005																																
Mercedes	Car	Car SUV	2006																																
Mercedes	Car	Car SUV	2007																																
Mercedes	Car	Car SUV	2008																																
Mercedes	Car	Car SUV	2009																																
Mercedes	Car	Car SUV	2010	23.8	16.1	22.1	19.1	4500		213	268	7.6	1.258	0.0596	53.6					100.0%			100.0%					100.0%				100.0%	100.0%				
Mercedes	Car	Car SUV	2011	23.5	15.9	22.0	18.9	4000		213	268	7.1	1.258	0.0670	47.0					100.0%			100.0%					100.0%				100.0%	100.0%				
Mercedes	Car	Car SUV	2012	23.5	16.1	21.9	19.0	4157		213	268	7.2	1.255	0.0647	48.9					100.0%			100.0%					100.0%				100.0%	100.0%				
Mercedes	Car	Car SUV	2013	28.1	19.2	24.8	22.0	4500		213	302	7.0	1.415	0.0671	63.2					100.0%			100.0%				100.0%					100.0%	100.0%				
Mercedes	Car	Car SUV	2014	27.8	18.8	25.4	22.1	4500		213	302	7.0	1.415	0.0671	62.7					100.0%			100.0%				35.8%	64.2%				100.0%	100.0%				
Mercedes	Car	Car SUV	2015	27.8	18.8	25.4	22.1	4500		213	302	7.0	1.415	0.0671	62.7					100.0%			100.0%				100.0%					100.0%	100.0%				
Mercedes	Car	Car SUV	2016	32.3	21.8	28.4	25.1	4000		121	241	7.0	1.984	0.0603	64.5					100.0%			100.0%				100.0%					100.0%	100.0%				
Mercedes	Car	Car SUV	2017	32.3	21.8	28.4	25.1	4000		121	241	7.0	1.984	0.0603	64.5					100.0%			100.0%				100.0%					100.0%	100.0%				

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Car	All	1975	17.3	13.5	16.5	14.7	3934		205	124		0.587	0.0306	36.2					100.0%	9.5%	90.5%				26.9%		38.4%		34.7%				76.1%	23.9%	
Mercedes	Car	All	1976	18.6	14.7	17.6	15.9	3924		196	110		0.550	0.0277	39.0					100.0%	5.3%	94.7%				23.6%		26.9%		49.5%				89.3%	10.7%	
Mercedes	Car	All	1977	19.2	15.4	17.5	16.3	3931		199	117		0.571	0.0291	40.1					100.0%	9.6%	90.4%				2.7%		48.1%		49.2%				87.1%	12.9%	
Mercedes	Car	All	1978	18.7	14.7	17.6	15.9	3971		208	128	15.5	0.606	0.0319	39.8					100.0%	6.3%	93.7%				1.2%		48.9%		50.0%				88.8%	11.2%	
Mercedes	Car	All	1979	20.5	16.4	18.9	17.4	3950		203	119	16.6	0.569	0.0296	43.7					100.0%	8.1%	91.9%						34.7%		65.3%				85.4%	14.6%	
Mercedes	Car	All	1980	23.9	19.5	21.4	20.3	3781		195	102	17.8	0.512	0.0266	46.4					100.0%	9.2%	90.8%						25.3%		74.7%				89.0%	11.0%	
Mercedes	Car	All	1981	25.6	21.1	22.5	21.7	3747		184	103	17.4	0.551	0.0272	49.3					100.0%	10.5%	89.5%						23.1%		76.9%				92.3%	7.7%	
Mercedes	Car	All	1982	26.3	21.5	23.3	22.3	3890		185	115	17.5	0.613	0.0294	52.6					100.0%	9.0%	91.0%						20.4%		79.6%				89.9%	10.1%	
Mercedes	Car	All	1983	26.4	21.4	23.9	22.4	3478		167	107	15.7	0.638	0.0308	46.7			47.8%		52.2%	3.6%	96.4%				28.9%		11.7%	18.9%	40.5%				46.5%	53.5%	
Mercedes	Car	All	1984	26.0	20.9	23.8	22.1	3330		166	114	14.5	0.694	0.0343	44.0			54.4%		45.6%	2.8%	97.2%				33.1%		29.2%	12.7%	25.0%				42.0%	58.0%	
Mercedes	Car	All	1985	23.1	18.6	21.1	19.6	3700		195	134	13.4	0.703	0.0364	43.8					100.0%	3.2%	96.8%						61.1%		38.9%				86.7%	13.3%	
Mercedes	Car	All	1986	21.1	16.6	19.8	17.9	3686		226	180	10.5	0.830	0.0484	39.5					100.0%	3.9%	96.1%						92.2%		7.8%	1.5%			66.7%	33.3%	
Mercedes	Car	All	1987	22.0	17.3	20.5	18.6	3648		218	176	10.7	0.839	0.0481	41.3					100.0%	1.2%	98.8%						79.0%		21.0%	0.9%			66.8%	33.2%	
Mercedes	Car	All	1988	21.1	16.3	19.7	17.8	3650		218	182	10.6	0.875	0.0496	38.9					100.0%	0.5%	99.5%						99.2%		0.8%				72.8%	27.2%	
Mercedes	Car	All	1989	21.2	16.4	19.8	17.8	3743		215	186	10.2	0.901	0.0495	40.2					100.0%	0.4%	99.6%						99.6%		0.4%				73.9%	26.1%	
Mercedes	Car	All	1990	21.2	16.1	20.1	17.8	3829		204	190	9.6	0.932	0.0493	41.0				0.9%	99.1%	0.6%	99.4%						96.5%		3.5%	13.2%			72.7%	27.3%	
Mercedes	Car	All	1991	22.2	16.5	21.3	18.6	3836		204	188	9.9	0.937	0.0484	43.1				1.6%	98.4%	2.8%	97.2%						91.8%		8.2%	15.9%			76.3%	23.7%	
Mercedes	Car	All	1992	21.8	16.1	21.0	18.2	3996		206	213	9.3	1.023	0.0524	43.9				3.3%	96.7%	0.4%	99.6%						93.9%		6.1%	35.9%	31.4%		72.9%	3.6%	23.5%
Mercedes	Car	All	1993	22.7	16.7	21.9	18.9	4147		206	216	8.7	1.043	0.0515	47.4				1.1%	98.9%	1.6%	98.4%						100.0%			65.6%	27.6%		70.4%	2.4%	27.2%
Mercedes	Car	All	1994	23.6	17.1	22.8	19.6	4099		210	228	8.2	1.095	0.0555	48.5					100.0%		100.0%						98.8%		1.2%	98.8%	27.8%		77.8%	4.3%	17.9%
Mercedes	Car	All	1995	24.5	17.7	23.7	20.3	4082		203	218	8.8	1.080	0.0529	50.6					100.0%		100.0%						94.4%		5.6%	99.6%	23.9%		75.4%	4.6%	20.0%
Mercedes	Car	All	1996	25.2	17.8	24.7	20.8	4016		194	200	9.6	1.027	0.0489	50.9					100.0%		83.5%	16.5%					95.7%		4.3%	100.0%	17.1%		49.2%	30.6%	20.1%
Mercedes	Car	All	1997	25.0	17.4	24.9	20.6	4014		208	225	8.5	1.082	0.0557	50.4					100.0%			100.0%					97.4%		2.6%	100.0%	32.2%		36.1%	49.1%	14.8%
Mercedes	Car	All	1998	27.0	18.8	26.5	22.2	3878		191	213	8.9	1.124	0.0544	52.8					100.0%			100.0%					97.0%		3.0%	100.0%	16.0%		54.1%	37.8%	8.1%
Mercedes	Car	All	1999	26.3	18.2	25.6	21.5	3880		197	223	8.5	1.150	0.0574	51.2					100.0%	1.8%		98.2%					96.7%		3.3%	100.0%	9.5%		53.9%	37.6%	8.5%
Mercedes	Car	All	2000	24.9	17.2	24.2	20.4	4018		221	242	7.8	1.122	0.0600	50.3					100.0%	0.5%		99.5%					100.0%			100.0%	0.2%		39.5%	32.1%	28.5%
Mercedes	Car	All	2001	24.9	17.0	24.1	20.3	3941		223	241	7.7	1.092	0.0608	49.1				6.6%	93.4%	2.2%		97.8%					100.0%			100.0%	4.4%		46.7%	32.4%	20.9%
Mercedes	Car	All	2002	24.6	16.8	23.5	20.0	3887		208	229	8.1	1.122	0.0586	47.9				5.6%	94.4%	3.0%		97.0%					100.0%			100.0%	13.1%		65.1%	18.5%	16.4%
Mercedes	Car	All	2003	24.4	16.6	23.3	19.8	3920		220	248	7.7	1.161	0.0626	48.3				2.8%	97.2%	0.7%		99.3%					100.0%			100.0%	10.8%		59.5%	30.0%	10.5%
Mercedes	Car	All	2004	24.5	16.5	23.3	19.8	3949		213	243	7.8	1.186	0.0610	48.8				18.5%	81.5%	1.0%		99.0%					100.0%			100.0%	16.3%		59.1%	30.1%	10.8%
Mercedes	Car	All	2005	25.0	16.8	23.6	20.1	3869		201	239	7.8	1.258	0.0613	48.9				18.0%	82.0%	0.6%		99.4%					96.1%		3.9%	100.0%	33.2%		69.2%	24.2%	6.6%
Mercedes	Car	All	2006	24.0	16.1	22.9	19.4	4159		225	267	7.2	1.207	0.0645	50.4				24.2%	75.8%	1.1%		98.9%					97.4%		2.6%	100.0%	69.2%		54.5%	29.4%	16.1%
Mercedes	Car	All	2007	23.2	15.5	22.4	18.8	4272		241	295	7.0	1.237	0.0686	49.8				24.8%	75.2%	0.6%		99.4%					98.0%		2.0%	100.0%	38.4%		46.4%	26.4%	27.3%
Mercedes	Car	All	2008	25.3	16.8	24.0	20.3	3998		219	268	7.6	1.226	0.0652	50.7				28.9%	71.1%	0.2%	9.9%	89.9%					97.9%		2.1%	100.0%	27.3%		63.5%	19.6%	16.8%
Mercedes	Car	All	2009	25.6	17.0	24.4	20.6	3930		212	261	7.5	1.229	0.0645	50.6				27.8%	72.2%	0.1%	10.4%	89.5%					98.9%		1.1%	100.0%	57.5%		76.4%	13.8%	9.8%
Mercedes	Car	All	2010	24.7	16.5	23.6	19.9	4170		222	273	7.2	1.237	0.0649	51.8				35.4%	64.6%	0.3%	2.1%	97.6%					100.0%			100.0%	100.0%	1.0%			
Mercedes	Car	All	2011	25.2	16.8	23.9	20.3	4133		218	270	7.2	1.240	0.0646	52.4			0.0%	36.9%	63.1%	0.1%	2.2%	97.7%				0.7%	96.9%		2.1%	99.7%	99.6%	0.2%			
Mercedes	Car	All	2012	28.2	18.6	26.8	22.5	4057		192	276	7.1	1.474	0.0669	57.6			0.0%	32.6%	67.4%	0.0%	2.9%	97.1%				69.2%	28.9%		1.9%	100.0%	98.0%	0.0%			
Mercedes	Car	All	2013	30.1	19.8	28.2	23.8	3952		187	269	7.3	1.481	0.0662	59.7				31.6%	68.4%	0.1%	6.8%	93.1%				92.1%	6.6%		0.9%	99.6%	98.7%	0.2%			
Mercedes	Car	All	2014	31.2	20.6	28.9	24.6	4079		189	277	7.0	1.520	0.0667	65.3			12.0%	33.5%	54.4%	0.0%	3.2%	96.7%				91.2%	6.3%		1.2%	98.7%	97.5%	0.1%			
Mercedes	Car	All	2015	32.5	21.5	29.5	25.4	4005		168	278	7.0	1.722	0.0677	66.6			12.2%	43.1%	44.6%	0.0%	4.6%	95.3%				94.5%	3.7%		0.5%	98.7%	98.2%	0.1%			
Mercedes	Car	All	2016	32.9	21.8	29.6	25.7	3956		162	271	6.9	1.746	0.0675	66.3			10.1%	39.3%	50.6%	0.3%	3.4%	96.2%				98.2%	0.7%		0.5%	99.4%	98.9%	0.4%			
Mercedes	Car	All	2017	33.7	22.2	30.5	26.3	3971		145	268	6.8	1.884	0.0661	68.9			13.1%	39.1%	47.8%	0.0%	3.9%	96.1%				97.9%	0.9%			98.8%	98.8%	1.1%			

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Truck	Van	1975																																
Mercedes	Truck	Van	1976																																
Mercedes	Truck	Van	1977																																
Mercedes	Truck	Van	1978																																
Mercedes	Truck	Van	1979																																
Mercedes	Truck	Van	1980																																
Mercedes	Truck	Van	1981																																
Mercedes	Truck	Van	1982																																
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Mercedes	Truck	Van	1984																																
Mercedes	Truck	Van	1985																																
Mercedes	Truck	Van	1986																																
Mercedes	Truck	Van	1987																																
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Mercedes	Truck	Van	2000																																
Mercedes	Truck	Van	2001																																
Mercedes	Truck	Van	2002																																
Mercedes	Truck	Van	2003																																
Mercedes	Truck	Van	2004																																
Mercedes	Truck	Van	2005																																
Mercedes	Truck	Van	2006																																
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Mercedes	Truck	Van	2010																																
Mercedes	Truck	Van	2011																																
Mercedes	Truck	Van	2012																																
Mercedes	Truck	Van	2013																																
Mercedes	Truck	Van	2014																																
Mercedes	Truck	Van	2015																																
Mercedes	Truck	Van	2016	29.8	20.8	23.8	22.4	4734		121	208	9.3	1.712	0.0441	70.5					100.0%			100.0%				100.0%				100.0%	100.0%				
Mercedes	Truck	Van	2017	29.8	20.8	23.7	22.4	4750		121	208	9.3	1.712	0.0439	70.7					100.0%			100.0%				100.0%				100.0%	100.0%				

				Fuel Economy (MPG)				Weight	Volume	Engine								Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Truck	Truck SUV	1975																																	
Mercedes	Truck	Truck SUV	1976																																	
Mercedes	Truck	Truck SUV	1977																																	
Mercedes	Truck	Truck SUV	1978																																	
Mercedes	Truck	Truck SUV	1979																																	
Mercedes	Truck	Truck SUV	1980																																	
Mercedes	Truck	Truck SUV	1981																																	
Mercedes	Truck	Truck SUV	1982																																	
Mercedes	Truck	Truck SUV	1983																																	
Mercedes	Truck	Truck SUV	1984																																	
Mercedes	Truck	Truck SUV	1985																																	
Mercedes	Truck	Truck SUV	1986																																	
Mercedes	Truck	Truck SUV	1987																																	
Mercedes	Truck	Truck SUV	1988																																	
Mercedes	Truck	Truck SUV	1989																																	
Mercedes	Truck	Truck SUV	1990																																	
Mercedes	Truck	Truck SUV	1991																																	
Mercedes	Truck	Truck SUV	1992																																	
Mercedes	Truck	Truck SUV	1993																																	
Mercedes	Truck	Truck SUV	1994																																	
Mercedes	Truck	Truck SUV	1995																																	
Mercedes	Truck	Truck SUV	1996																																	
Mercedes	Truck	Truck SUV	1997																																	
Mercedes	Truck	Truck SUV	1998	21.3	15.4	19.8	17.4	4500		195	215	9.8	1.103	0.0478	48.0					100.0%			100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	1999	20.3	14.7	18.6	16.6	5000		216	232	9.9	1.080	0.0464	50.9				31.6%	68.4%			100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2000	20.4	14.8	18.5	16.6	5500		214	231	10.0	1.084	0.0419	56.3				25.2%	74.8%			100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2001	20.8	14.8	19.0	16.8	5500		214	231	10.0	1.085	0.0420	57.2				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2002	19.1	13.7	17.0	15.4	5000		227	237	9.5	1.059	0.0475	47.8				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2003	18.8	13.5	16.6	15.1	5138		239	243	9.3	1.024	0.0472	48.3				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2004	18.8	13.5	16.4	15.0	5535		245	246	9.6	1.007	0.0444	52.0				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2005	18.7	13.3	16.4	14.9	5048		247	252	9.0	1.018	0.0497	47.3				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	Truck SUV	2006	20.9	14.4	19.2	16.8	5005		233	276	8.0	1.201	0.0551	52.7				100.0%				100.0%					100.0%			100.0%	77.8%					
Mercedes	Truck	Truck SUV	2007	20.2	14.0	18.4	16.2	5290		252	303	7.9	1.204	0.0570	53.9				100.0%				100.0%					91.5%		8.5%	100.0%						
Mercedes	Truck	Truck SUV	2008	20.8	14.3	19.0	16.6	5478		248	298	8.3	1.208	0.0543	57.4				100.0%				100.0%					83.3%		16.7%	100.0%						
Mercedes	Truck	Truck SUV	2009	20.8	14.3	19.0	16.7	5385		244	295	8.1	1.215	0.0547	56.4				94.5%	5.5%			100.0%					86.0%		14.0%	100.0%	75.0%					
Mercedes	Truck	Truck SUV	2010	21.4	14.7	19.6	17.2	5121		232	284	8.0	1.231	0.0557	55.1				90.3%	9.7%			99.0%	1.0%				92.3%		7.7%	100.0%	100.0%	1.0%				
Mercedes	Truck	Truck SUV	2011	21.1	14.6	19.3	17.0	5302		236	288	8.1	1.222	0.0544	56.4				61.6%	38.4%			99.9%	0.1%				88.1%		11.9%	100.0%	87.0%	0.1%				
Mercedes	Truck	Truck SUV	2012	23.1	15.9	20.8	18.4	5287		228	295	8.1	1.298	0.0561	61.9				100.0%				100.0%				39.8%	43.2%		17.0%	100.0%	83.0%					
Mercedes	Truck	Truck SUV	2013	24.4	16.7	21.7	19.2	5266		231	319	7.5	1.384	0.0608	65.0				86.9%	13.1%			100.0%				85.4%	1.5%		13.2%	100.0%	86.8%					
Mercedes	Truck	Truck SUV	2014	24.5	16.7	21.9	19.3	5243		229	317	7.6	1.390	0.0605	65.1				87.0%	13.0%			100.0%				83.1%	1.5%		15.4%	100.0%	84.6%					
Mercedes	Truck	Truck SUV	2015	25.9	17.7	23.0	20.4	5019		195	300	7.7	1.564	0.0595	65.6				86.6%	13.4%			100.0%				89.3%	1.5%		9.2%	100.0%	93.7%					
Mercedes	Truck	Truck SUV	2016	25.8	17.7	22.8	20.3	5098		189	310	7.5	1.673	0.0602	66.3				83.3%	16.7%			100.0%				96.4%	0.2%		3.4%	100.0%	98.4%	0.2%				
Mercedes	Truck	Truck SUV	2017	25.9	17.7	23.0	20.4	5176		185	313	7.2	1.718	0.0601	67.4				89.0%	11.0%			100.0%				99.9%	0.1%			100.0%	100.0%	0.3%				

				Fuel Economy (MPG)						Engine								Drivetrain			Transmission						Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	Truck	All	1975																																	
Mercedes	Truck	All	1976																																	
Mercedes	Truck	All	1977																																	
Mercedes	Truck	All	1978																																	
Mercedes	Truck	All	1979																																	
Mercedes	Truck	All	1980																																	
Mercedes	Truck	All	1981																																	
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Mercedes	Truck	All	1993																																	
Mercedes	Truck	All	1994																																	
Mercedes	Truck	All	1995																																	
Mercedes	Truck	All	1996																																	
Mercedes	Truck	All	1997																																	
Mercedes	Truck	All	1998	21.3	15.4	19.8	17.4	4500		195	215	9.8	1.103	0.0478	48.0					100.0%			100.0%					100.0%			100.0%						
Mercedes	Truck	All	1999	20.3	14.7	18.6	16.6	5000		216	232	9.9	1.080	0.0464	50.9				31.6%	68.4%			100.0%					100.0%			100.0%						
Mercedes	Truck	All	2000	20.4	14.8	18.5	16.6	5500		214	231	10.0	1.084	0.0419	56.3				25.2%	74.8%			100.0%					100.0%			100.0%						
Mercedes	Truck	All	2001	20.8	14.8	19.0	16.8	5500		214	231	10.0	1.085	0.0420	57.2				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	All	2002	19.1	13.7	17.0	15.4	5000		227	237	9.5	1.059	0.0475	47.8				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	All	2003	18.8	13.5	16.6	15.1	5138		239	243	9.3	1.024	0.0472	48.3				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	All	2004	18.8	13.5	16.4	15.0	5535		245	246	9.6	1.007	0.0444	52.0				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	All	2005	18.7	13.3	16.4	14.9	5048		247	252	9.0	1.018	0.0497	47.3				100.0%				100.0%					100.0%			100.0%						
Mercedes	Truck	All	2006	20.9	14.4	19.2	16.8	5005		233	276	8.0	1.201	0.0551	52.7				100.0%				100.0%					100.0%			100.0%	77.8%					
Mercedes	Truck	All	2007	20.2	14.0	18.4	16.2	5290		252	303	7.9	1.204	0.0570	53.9				100.0%				100.0%					91.5%		8.5%	100.0%						
Mercedes	Truck	All	2008	20.8	14.3	19.0	16.6	5478		248	298	8.3	1.208	0.0543	57.4				100.0%				100.0%					83.3%		16.7%	100.0%						
Mercedes	Truck	All	2009	20.8	14.3	19.0	16.7	5385		244	295	8.1	1.215	0.0547	56.4				94.5%	5.5%			100.0%					86.0%		14.0%	100.0%	75.0%					
Mercedes	Truck	All	2010	21.4	14.7	19.6	17.2	5121		232	284	8.0	1.231	0.0557	55.1				90.3%	9.7%			99.0%	1.0%				92.3%		7.7%	100.0%	100.0%	1.0%				
Mercedes	Truck	All	2011	21.1	14.6	19.3	17.0	5302		236	288	8.1	1.222	0.0544	56.4				61.6%	38.4%			99.9%	0.1%				88.1%		11.9%	100.0%	87.0%	0.1%				
Mercedes	Truck	All	2012	23.1	15.9	20.8	18.4	5287		228	295	8.1	1.298	0.0561	61.9				100.0%				100.0%				39.8%	43.2%		17.0%	100.0%	83.0%					
Mercedes	Truck	All	2013	24.4	16.7	21.7	19.2	5266		231	319	7.5	1.384	0.0608	65.0				86.9%	13.1%			100.0%				85.4%	1.5%		13.2%	100.0%	86.8%					
Mercedes	Truck	All	2014	24.5	16.7	21.9	19.3	5243		229	317	7.6	1.390	0.0605	65.1				87.0%	13.0%			100.0%				83.1%	1.5%		15.4%	100.0%	84.6%					
Mercedes	Truck	All	2015	25.9	17.7	23.0	20.4	5019		195	300	7.7	1.564	0.0595	65.6				86.6%	13.4%			100.0%				89.3%	1.5%		9.2%	100.0%	93.7%					
Mercedes	Truck	All	2016	26.1	17.9	22.9	20.4	5070		184	302	7.6	1.676	0.0590	66.7				76.8%	23.2%			100.0%				96.7%	0.2%		3.1%	100.0%	98.5%	0.2%				
Mercedes	Truck	All	2017	26.0	17.8	23.0	20.4	5166		184	311	7.3	1.717	0.0597	67.5				86.9%	13.1%			100.0%				99.9%	0.1%			100.0%	100.0%	0.3%				

				Fuel Economy (MPG)														Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
Mercedes	All	All	1975	17.3	13.5	16.5	14.7	3934		205	124		0.587	0.0306	36.2					100.0%	9.5%	90.5%				26.9%		38.4%		34.7%				76.1%	23.9%	
Mercedes	All	All	1976	18.6	14.7	17.6	15.9	3924		196	110		0.550	0.0277	39.0					100.0%	5.3%	94.7%				23.6%		26.9%		49.5%				89.3%	10.7%	
Mercedes	All	All	1977	19.2	15.4	17.5	16.3	3931		199	117		0.571	0.0291	40.1					100.0%	9.6%	90.4%				2.7%		48.1%		49.2%				87.1%	12.9%	
Mercedes	All	All	1978	18.7	14.7	17.6	15.9	3971		208	128	15.5	0.606	0.0319	39.8					100.0%	6.3%	93.7%				1.2%		48.9%		50.0%				88.8%	11.2%	
Mercedes	All	All	1979	20.5	16.4	18.9	17.4	3950		203	119	16.6	0.569	0.0296	43.7					100.0%	8.1%	91.9%						34.7%		65.3%				85.4%	14.6%	
Mercedes	All	All	1980	23.9	19.5	21.4	20.3	3781		195	102	17.8	0.512	0.0266	46.4					100.0%	9.2%	90.8%						25.3%		74.7%				89.0%	11.0%	
Mercedes	All	All	1981	25.6	21.1	22.5	21.7	3747		184	103	17.4	0.551	0.0272	49.3					100.0%	10.5%	89.5%						23.1%		76.9%				92.3%	7.7%	
Mercedes	All	All	1982	26.3	21.5	23.3	22.3	3890		185	115	17.5	0.613	0.0294	52.6					100.0%	9.0%	91.0%						20.4%		79.6%				89.9%	10.1%	
Mercedes	All	All	1983	26.4	21.4	23.9	22.4	3478		167	107	15.7	0.638	0.0308	46.7			47.8%		52.2%	3.6%	96.4%				28.9%		11.7%	18.9%	40.5%				46.5%	53.5%	
Mercedes	All	All	1984	26.0	20.9	23.8	22.1	3330		166	114	14.5	0.694	0.0343	44.0			54.4%		45.6%	2.8%	97.2%				33.1%		29.2%	12.7%	25.0%				42.0%	58.0%	
Mercedes	All	All	1985	23.1	18.6	21.1	19.6	3700		195	134	13.4	0.703	0.0364	43.8					100.0%	3.2%	96.8%						61.1%		38.9%				86.7%	13.3%	
Mercedes	All	All	1986	21.1	16.6	19.8	17.9	3686		226	180	10.5	0.830	0.0484	39.5					100.0%	3.9%	96.1%						92.2%		7.8%	1.5%			66.7%	33.3%	
Mercedes	All	All	1987	22.0	17.3	20.5	18.6	3648		218	176	10.7	0.839	0.0481	41.3					100.0%	1.2%	98.8%						79.0%		21.0%	0.9%			66.8%	33.2%	
Mercedes	All	All	1988	21.1	16.3	19.7	17.8	3650		218	182	10.6	0.875	0.0496	38.9					100.0%	0.5%	99.5%						99.2%		0.8%				72.8%	27.2%	
Mercedes	All	All	1989	21.2	16.4	19.8	17.8	3743		215	186	10.2	0.901	0.0495	40.2					100.0%	0.4%	99.6%						99.6%		0.4%				73.9%	26.1%	
Mercedes	All	All	1990	21.2	16.1	20.1	17.8	3829		204	190	9.6	0.932	0.0493	41.0				0.9%	99.1%	0.6%	99.4%						96.5%		3.5%	13.2%			72.7%	27.3%	
Mercedes	All	All	1991	22.2	16.5	21.3	18.6	3836		204	188	9.9	0.937	0.0484	43.1				1.6%	98.4%	2.8%	97.2%						91.8%		8.2%	15.9%			76.3%	23.7%	
Mercedes	All	All	1992	21.8	16.1	21.0	18.2	3996		206	213	9.3	1.023	0.0524	43.9				3.3%	96.7%	0.4%	99.6%						93.9%		6.1%	35.9%	31.4%		72.9%	3.6%	23.5%
Mercedes	All	All	1993	22.7	16.7	21.9	18.9	4147		206	216	8.7	1.043	0.0515	47.4				1.1%	98.9%	1.6%	98.4%						100.0%			65.6%	27.6%		70.4%	2.4%	27.2%
Mercedes	All	All	1994	23.6	17.1	22.8	19.6	4099		210	228	8.2	1.095	0.0555	48.5					100.0%		100.0%						98.8%		1.2%	98.8%	27.8%		77.8%	4.3%	17.9%
Mercedes	All	All	1995	24.5	17.7	23.7	20.3	4082		203	218	8.8	1.080	0.0529	50.6					100.0%		100.0%						94.4%		5.6%	99.6%	23.9%		75.4%	4.6%	20.0%
Mercedes	All	All	1996	25.2	17.8	24.7	20.8	4016		194	200	9.6	1.027	0.0489	50.9					100.0%		83.5%	16.5%					95.7%		4.3%	100.0%	17.1%		49.2%	30.6%	20.1%
Mercedes	All	All	1997	25.0	17.4	24.9	20.6	4014		208	225	8.5	1.082	0.0557	50.4					100.0%			100.0%					97.4%		2.6%	100.0%	32.2%		36.1%	49.1%	14.8%
Mercedes	All	All	1998	25.3	17.7	24.4	20.7	4040		192	213	9.1	1.118	0.0526	51.5					100.0%			100.0%					97.8%		2.2%	100.0%	11.8%				
Mercedes	All	All	1999	24.4	17.1	23.3	20.0	4171		202	225	8.8	1.132	0.0545	51.2				8.2%	91.8%	1.4%		98.6%					97.6%		2.4%	100.0%	7.0%				
Mercedes	All	All	2000	23.6	16.5	22.5	19.3	4390		219	239	8.4	1.113	0.0555	51.8				6.3%	93.7%	0.4%		99.6%					100.0%			100.0%	0.2%				
Mercedes	All	All	2001	23.9	16.5	22.8	19.4	4266		221	239	8.2	1.091	0.0569	50.8				26.1%	73.9%	1.7%		98.3%					100.0%			100.0%	3.4%				
Mercedes	All	All	2002	23.2	16.1	21.7	18.8	4120		212	231	8.4	1.109	0.0563	47.9				25.4%	74.6%	2.4%		97.6%					100.0%			100.0%	10.4%				
Mercedes	All	All	2003	23.4	16.0	22.0	18.9	4098		223	247	7.9	1.141	0.0604	48.3				17.0%	83.0%	0.6%		99.4%					100.0%			100.0%	9.2%				
Mercedes	All	All	2004	23.7	16.1	22.3	19.1	4131		217	244	8.0	1.166	0.0591	49.2				27.8%	72.2%	0.9%		99.1%					100.0%			100.0%	14.4%				
Mercedes	All	All	2005	24.1	16.3	22.5	19.3	4001		207	241	7.9	1.231	0.0600	48.7				27.1%	72.9%	0.6%		99.4%					96.5%		3.5%	100.0%	29.5%				
Mercedes	All	All	2006	23.4	15.7	22.1	18.8	4323		226	269	7.4	1.206	0.0627	50.8				38.9%	61.1%	0.9%		99.1%					97.9%		2.1%	100.0%	70.9%				
Mercedes	All	All	2007	22.4	15.1	21.3	18.1	4516		244	297	7.2	1.229	0.0659	50.8				42.8%	57.2%	0.4%		99.6%					96.5%		3.5%	100.0%	29.2%				
Mercedes	All	All	2008	24.0	16.2	22.6	19.3	4351		226	275	7.8	1.221	0.0626	52.3				45.9%	54.1%	0.2%	7.5%	92.3%					94.4%		5.6%	100.0%	20.8%				
Mercedes	All	All	2009	24.3	16.3	23.0	19.5	4263		220	269	7.7	1.226	0.0623	51.9				43.0%	57.0%	0.1%	8.0%	91.9%					95.9%		4.1%	100.0%	61.5%				
Mercedes	All	All	2010	23.6	15.9	22.1	18.9	4474		225	277	7.5	1.235	0.0619	52.8				53.0%	47.0%	0.2%	1.4%	98.0%	0.3%				97.5%		2.5%	100.0%	100.0%	1.0%			
Mercedes	All	All	2011	23.8	16.1	22.3	19.1	4495		224	275	7.5	1.235	0.0614	53.7			0.0%	44.5%	55.4%	0.1%	1.5%	98.4%	0.0%			0.5%	94.2%		5.1%	99.8%	95.7%	0.1%			
Mercedes	All	All	2012	26.3	17.6	24.5	21.0	4450		204	282	7.4	1.417	0.0635	59.0			0.0%	54.1%	45.9%	0.0%	2.0%	98.0%				59.8%	33.5%		6.7%	100.0%	93.2%	0.0%			
Mercedes	All	All	2013	28.1	18.7	25.9	22.2	4346		200	284	7.4	1.452	0.0646	61.3				48.2%	51.8%	0.1%	4.8%	95.2%				90.1%	5.0%		4.6%	99.7%	95.1%	0.1%			
Mercedes	All	All	2014	29.2	19.4	26.8	23.1	4369		199	287	7.2	1.487	0.0652	65.3			9.0%	46.9%	44.1%	0.0%	2.4%	97.5%				89.1%	5.1%		4.7%	99.0%	94.3%	0.1%			
Mercedes	All	All	2015	29.8	20.0	26.8	23.4	4358		177	285	7.2	1.667	0.0648	66.2			8.0%	58.2%	33.8%	0.0%	3.0%	96.9%				92.7%	3.0%		3.5%	99.2%	96.6%	0.0%			
Mercedes	All	All	2016	30.3	20.4	27.0	23.7	4327		169	281	7.1	1.723	0.0646	66.4			6.7%	51.8%	41.5%	0.2%	2.3%	97.5%				97.7%	0.5%		1.4%	99.6%	98.8%	0.3%			
Mercedes	All	All	2017	30.9	20.7	27.8	24.2	4335		157	281	7.0	1.833	0.0642	68.5			9.1%	53.7%	37.3%	0.0%	2.7%	97.3%				98.5%	0.6%			99.1%	99.1%	0.9%			

				Fuel Economy (MPG)				Weight	Volume	Engine							Cu Ft-Ton-	Drivetrain				Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Car	Car	1975	15.8	12.3	15.2	13.5	4058		288	136		0.515	0.0331	32.3			6.5%		93.5%	19.6%	80.1%	0.3%			94.6%		5.1%		0.2%				55.4%	23.3%	21.3%
All	Car	Car	1976	17.5	13.7	16.6	14.9	4059		287	134		0.502	0.0324	35.5			5.8%		94.2%	17.1%	82.9%				96.6%		3.2%		0.3%				55.4%	25.2%	19.4%
All	Car	Car	1977	18.3	14.4	17.4	15.6	3944	110.4	279	133		0.516	0.0335	36.4	2091	4021	6.8%		93.2%	16.8%	83.2%				95.3%		4.2%		0.5%				51.9%	24.5%	23.5%
All	Car	Car	1978	19.9	15.5	19.1	16.9	3588	109.0	251	124	13.7	0.538	0.0342	35.9	2240	3926	9.6%		90.4%	19.8%	73.1%	7.1%			94.0%		5.1%		0.9%				44.7%	34.4%	21.0%
All	Car	Car	1979	20.3	15.9	19.2	17.2	3485	108.9	238	119	14.5	0.545	0.0338	35.4	2258	3878	11.9%	0.3%	87.8%	21.1%	69.7%	8.8%		0.5%	93.2%		4.7%		2.1%				43.7%	34.2%	22.1%
All	Car	Car	1980	23.5	18.3	22.6	20.0	3101	104.2	188	100	15.5	0.583	0.0322	36.6	2507	3841	29.7%	0.9%	69.4%	30.9%	51.6%	16.8%		0.6%	88.7%		6.2%	0.7%	4.4%				54.4%	34.4%	11.3%
All	Car	Car	1981	25.1	19.6	24.2	21.4	3076	106.5	182	99	15.6	0.594	0.0320	38.9	2744	4161	37.0%	0.7%	62.2%	29.9%	36.2%	33.3%		0.6%	85.3%		6.1%	2.6%	5.9%				51.5%	36.4%	12.2%
All	Car	Car	1982	26.0	20.1	25.5	22.2	3054	106.1	175	99	16.6	0.609	0.0320	40.1	2836	4273	45.6%	0.8%	53.6%	29.2%	18.9%	51.4%		0.5%	78.4%		7.2%	9.8%	4.7%				56.5%	31.0%	12.5%
All	Car	Car	1983	25.9	19.9	25.5	22.1	3112	108.7	182	104	14.8	0.615	0.0330	40.7	2904	4426	47.3%	3.1%	49.6%	26.1%	16.8%	56.7%		0.5%	69.6%		9.5%	18.9%	2.1%				53.1%	31.8%	15.1%
All	Car	Car	1984	26.3	20.2	26.0	22.4	3099	107.5	179	106	14.5	0.637	0.0339	41.1	2910	4425	53.7%	1.0%	45.3%	24.1%	17.5%	58.3%		0.0%	58.9%		15.0%	24.4%	1.7%				57.4%	29.4%	13.2%
All	Car	Car	1985	27.0	20.7	26.8	23.0	3093	108.2	177	111	13.9	0.671	0.0355	42.0	2992	4551	61.6%	2.1%	36.3%	22.8%	18.5%	58.7%			45.6%		21.4%	32.0%	0.9%				55.7%	28.9%	15.4%
All	Car	Car	1986	27.9	21.2	27.6	23.7	3041	107.3	167	111	13.2	0.701	0.0360	42.6	3057	4585	71.1%	1.1%	27.9%	24.8%	17.2%	58.0%			34.5%		36.7%	28.4%	0.3%	4.8%			59.5%	27.9%	12.6%
All	Car	Car	1987	28.1	21.2	27.7	23.8	3031	106.6	162	112	13.3	0.732	0.0365	42.8	3051	4569	77.0%	1.1%	21.9%	24.9%	15.6%	59.5%			26.8%		42.5%	30.5%	0.3%	14.7%			63.5%	24.3%	12.2%
All	Car	Car	1988	28.6	21.4	28.2	24.1	3047	107.0	160	116	13.3	0.759	0.0375	43.7	3119	4693	81.7%	0.8%	17.5%	24.3%	9.6%	66.1%			16.3%		53.7%	30.0%	0.0%	19.9%			64.8%	22.3%	12.8%
All	Car	Car	1989	28.1	20.9	27.9	23.7	3099	107.7	163	121	12.5	0.783	0.0387	43.8	3080	4723	82.5%	1.0%	16.5%	21.0%	9.6%	69.3%	0.1%		9.7%		62.4%	27.8%	0.0%	24.4%			58.3%	28.2%	13.5%
All	Car	Car	1990	27.8	20.5	27.5	23.3	3176	107.1	163	129	11.4	0.829	0.0401	44.2	3014	4746	84.6%	1.0%	14.4%	19.6%	7.4%	72.9%	0.0%		1.4%		77.5%	21.1%	0.0%	33.0%	0.6%		58.6%	28.7%	12.8%
All	Car	Car	1991	28.0	20.5	27.6	23.4	3154	106.8	163	132	11.3	0.851	0.0413	44.3	3040	4746	83.2%	1.4%	15.4%	20.5%	5.9%	73.6%	0.0%		0.0%		78.0%	21.9%	0.1%	34.1%	2.4%		61.5%	26.2%	12.3%
All	Car	Car	1992	27.6	20.0	27.5	23.1	3240	108.4	170	141	10.7	0.868	0.0428	44.9	3040	4877	80.8%	1.1%	18.1%	17.4%	6.2%	76.4%	0.0%		0.0%		89.5%	10.4%	0.1%	35.0%	4.6%		56.5%	27.8%	15.6%
All	Car	Car	1993	28.2	20.3	27.9	23.5	3207	108.4	166	138	10.1	0.865	0.0425	45.4	3107	4929	85.1%	1.2%	13.7%	17.8%	5.2%	77.0%	0.0%				91.6%	8.4%		36.7%	4.8%		57.2%	29.5%	13.3%
All	Car	Car	1994	28.0	20.0	27.7	23.3	3250	108.2	168	143	9.9	0.884	0.0432	45.7	3086	4955	84.4%	0.4%	15.1%	16.7%	4.0%	79.3%					94.9%	5.1%	0.0%	41.0%	8.0%		58.5%	26.1%	15.4%
All	Car	Car	1995	28.3	20.0	28.1	23.4	3263	108.7	167	152	9.8	0.945	0.0460	46.4	3130	5045	82.0%	1.2%	16.9%	16.3%	1.8%	81.9%					98.8%	1.2%	0.1%	52.2%	9.8%		57.3%	28.6%	14.0%
All	Car	Car	1996	28.3	19.8	28.0	23.3	3282	109.0	165	154	10.1	0.958	0.0464	46.5	3125	5080	86.5%	1.5%	11.9%	14.9%	1.6%	83.6%	0.0%				98.8%	1.1%	0.1%	57.3%	11.7%		54.3%	32.0%	13.6%
All	Car	Car	1997	28.4	19.8	28.0	23.4	3274	108.7	164	156	10.0	0.974	0.0469	46.7	3127	5076	86.5%	1.7%	11.7%	13.5%	0.6%	85.8%	0.1%				99.1%	0.8%	0.1%	58.6%	11.3%		55.1%	30.6%	14.3%
All	Car	Car	1998	28.5	19.7	28.0	23.4	3306	108.6	164	159	10.2	0.993	0.0475	47.3	3138	5145	87.0%	2.3%	10.7%	12.3%	0.4%	87.3%	0.1%				99.7%	0.1%	0.2%	61.4%	18.4%		49.4%	39.1%	11.4%
All	Car	Car	1999	28.2	19.4	27.5	23.0	3365	109.1	166	164	10.1	1.009	0.0481	47.5	3106	5191	87.2%	2.2%	10.6%	10.9%	0.6%	88.4%	0.0%				99.7%	0.1%	0.2%	64.7%	17.1%		47.7%	39.7%	12.6%
All	Car	Car	2000	28.2	19.3	27.3	22.9	3369	109.6	165	168	9.5	1.032	0.0492	47.6	3121	5224	84.9%	2.1%	13.0%	11.2%	1.1%	87.7%	0.0%				99.7%	0.1%	0.2%	65.1%	23.4%	0.1%	47.5%	34.3%	18.2%
All	Car	Car	2001	28.4	19.4	27.3	23.0	3380	109.3	165	168	9.3	1.042	0.0492	48.4	3159	5292	84.1%	3.2%	12.6%	11.4%	0.9%	87.5%	0.2%				99.7%		0.3%	67.3%	28.3%	0.2%	50.8%	32.3%	16.8%
All	Car	Car	2002	28.6	19.4	27.2	23.1	3391	110.0	166	173	9.3	1.066	0.0504	48.9	3200	5382	84.9%	3.8%	11.2%	11.2%	0.2%	88.2%	0.4%				99.6%		0.4%	69.9%	33.9%	0.3%	48.6%	36.3%	15.1%
All	Car	Car	2003	29.0	19.5	27.5	23.3	3417	109.6	165	176	9.1	1.087	0.0510	49.9	3237	5481	82.0%	3.5%	14.5%	11.2%		87.9%	0.9%				99.6%		0.4%	73.8%	41.3%	0.6%	50.6%	33.5%	15.9%
All	Car	Car	2004	28.9	19.3	27.4	23.1	3462	110.4	168	183	9.0	1.106	0.0521	50.5	3261	5587	80.8%	5.4%	13.7%	10.2%	0.3%	88.2%	1.4%				99.7%		0.3%	77.3%	44.2%	0.9%	47.4%	35.6%	17.0%
All	Car	Car	2005	29.5	19.6	27.6	23.5	3463	111.4	166	182	8.9	1.115	0.0518	51.8	3384	5790	79.8%	5.8%	14.5%	9.3%	0.1%	88.0%	2.6%				99.6%		0.4%	78.2%	51.6%	2.1%	44.2%	38.9%	16.9%
All	Car	Car	2006	29.2	19.4	27.5	23.3	3534	111.5	172	194	8.7	1.146	0.0540	52.4	3351	5855	75.8%	5.8%	18.5%	9.4%	0.1%	88.1%	2.4%				99.4%		0.6%	80.8%	60.6%	1.5%	46.2%	32.9%	20.9%
All	Car	Car	2007	30.3	20.1	28.3	24.1	3507	110.2	165	189	8.8	1.157	0.0531	54.2	3468	5994	80.5%	5.7%	13.8%	8.5%	0.0%	81.1%	10.4%			0.3%	99.6%		0.0%	84.8%	65.2%	3.4%	44.6%	40.0%	15.4%
All	Car	Car	2008	30.5	20.2	28.5	24.3	3527	109.9	165	193	8.8	1.178	0.0536	54.9	3490	6056	77.7%	7.3%	15.0%	8.0%	0.3%	80.2%	11.5%			3.2%	96.8%		0.1%	87.8%	63.5%	3.4%	44.6%	35.8%	19.5%
All	Car	Car	2009	32.1	21.3	29.6	25.3	3464	110.0	155	184	8.9	1.190	0.0520	56.5	3645	6228	82.6%	6.7%	10.7%	6.8%	0.4%	82.0%	10.8%			4.5%	94.8%		0.7%	92.0%	79.7%	3.0%	47.6%	35.4%	17.0%
All	Car	Car	2010	33.2	22.0	30.5	26.2	3474	110.5	156	187	8.8	1.197	0.0527	59.8	3864	6632	81.6%	5.9%	12.5%	5.7%	1.9%	77.6%	14.8%			6.6%	92.4%		1.0%	92.9%	90.5%	6.2%	48.8%	37.4%	13.7%
All	Car	Car	2011	32.9	21.6	30.3	25.8	3559	111.1	159	199	8.5	1.252	0.0547	60.3	3824	6717	78.3%	8.4%	13.4%	5.4%	0.6%	81.2%	12.8%			16.4%	82.3%		1.1%	93.4%	93.7%	4.0%	38.5%	43.4%	18.1%
All	Car	Car	2012	35.4	23.3	32.1	27.6	3452	110.6	148	189	8.6	1.279	0.0536	63.3	4111	7018	84.1%	6.2%	9.6%	5.6%	2.1%	76.7%	15.7%			25.4%	73.2%		1.2%	98.0%	97.4%	5.8%			
All	Car	Car	2013	36.4	24.0	32.9	28.4	3465	110.3	145	194	8.4	1.343	0.0548	66.4	4273	7351	81.6%	7.7%	10.7%	5.6%	2.6%	72.2%	19.6%			35.3%	62.8%		1.3%	97.6%	97.2%	6.9%			
All	Car	Car	2014	36.6	24.0	32.9	28.4	3497	110.9	146	197	8.4	1.353	0.0551	67.0	4307	7452	79.3%	8.2%	12.5%	4.7%	3.2%	63.9%	28.2%			40.8%	57.1%		1.6%	97.2%	96.8%	5.8%			
All	Car	Car	2015	37.5	24.5	33.7	29.0	3489	111.5	145	196	8.3	1.360	0.0550	69.1	4471	7732	78.3%	10.3%	11.5%	4.6%	2.8%	60.6%	32.0%			42.2%	55.8%		1.0%	97.0%	97.1%	5.3%			
All	Car	Car	2016	37.8	24.7	34.0	29.2	3468	111.7	142	197	8.3	1.402	0.0556	69.3	4514	7769	78.4%	10.4%	11.2%	4.1%	4.8%	60.7%	30.3%			49.7%	49.4%		0.1%	97.2%	98.9%	4.0%			
All	Car	Car	2017	39.1	25.6	34.5	30.0	3490	111.9	139	195	8.3	1.415	0.0546	74.8	4838	8404	76.8%	12.2%	11.0%	4.8%	5.1%	54.8%	35.3%			52.4%	45.8%		0.2%	96.8%	97.8%	7.5%			

				Fuel Economy (MPG)													Drivetrain			Transmission						Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Car	Car SUV	1975	13.1	10.1	12.6	11.1	4000		262	113		0.430	0.0282	26.5					100.0%	68.3%	31.7%				100.0%											
All	Car	Car SUV	1976	12.4	9.4	12.5	10.6	3986		263	123		0.467	0.0309	25.9					100.0%	69.1%	30.9%				100.0%											
All	Car	Car SUV	1977	14.3	11.2	13.6	12.2	4000		261	124		0.477	0.0311	29.5					100.0%	82.5%	17.5%				100.0%											
All	Car	Car SUV	1978	13.6	10.4	13.5	11.6	4000		262	126	14.2	0.481	0.0315	27.9					100.0%	84.2%	15.8%				100.0%											
All	Car	Car SUV	1979	16.8	13.9	14.8	14.3	3271		185	99	16.4	0.576	0.0300	27.8					100.0%	37.7%	58.3%	3.9%			100.0%											
All	Car	Car SUV	1980	17.2	13.9	15.5	14.6	4000		280	122	16.1	0.436	0.0305	34.6					100.0%	3.9%	9.4%	86.8%			100.0%											
All	Car	Car SUV	1981	17.3	13.7	16.1	14.7	4000		318	140	14.3	0.440	0.0350	34.5					100.0%			100.0%			100.0%											
All	Car	Car SUV	1982	23.4	20.2	19.3	19.8	2630		159	88	17.3	0.557	0.0335	30.7					100.0%	4.6%	86.5%	8.9%			100.0%											
All	Car	Car SUV	1983	24.3	19.5	22.4	20.7	3124		163	101	15.4	0.617	0.0325	38.4					100.0%	19.3%	37.6%	43.2%			100.0%											
All	Car	Car SUV	1984	22.6	17.5	22.1	19.3	3487		179	109	15.2	0.615	0.0313	39.7					100.0%	19.4%	15.8%	64.8%			100.0%											
All	Car	Car SUV	1985	23.5	17.6	24.2	20.1	3469		171	109	15.1	0.637	0.0314	40.8					100.0%	15.9%		84.1%			94.7%			5.3%								
All	Car	Car SUV	1986	22.3	17.1	21.7	18.9	3479		170	121	13.5	0.713	0.0348	38.9					100.0%	18.1%		81.9%			13.1%		0.0%	86.8%	0.0%							
All	Car	Car SUV	1987	22.9	17.1	23.1	19.4	3492		179	131	13.0	0.730	0.0374	40.0					100.0%	14.3%		85.7%					32.8%	67.2%								
All	Car	Car SUV	1988	22.7	17.1	22.5	19.2	3495		199	142	12.4	0.719	0.0405	39.9					100.0%	24.6%		75.4%					48.2%	51.8%								
All	Car	Car SUV	1989	22.7	17.1	22.1	19.1	3497		226	148	11.4	0.668	0.0422	39.8					100.0%	27.4%		72.6%			1.4%		44.7%	53.9%								
All	Car	Car SUV	1990	22.5	16.9	21.5	18.8	3518		209	146	10.9	0.714	0.0415	39.6					100.0%	35.1%	1.8%	63.0%			5.1%		63.3%	31.6%								
All	Car	Car SUV	1991	21.8	16.4	20.5	18.2	3733		215	145	11.8	0.680	0.0385	40.7					100.0%	22.2%	0.1%	77.7%			0.8%		49.3%	49.9%								
All	Car	Car SUV	1992	21.4	16.1	20.1	17.8	3713		210	153	11.1	0.734	0.0409	39.9					100.0%	24.6%		75.4%			1.2%		68.4%	30.3%								
All	Car	Car SUV	1993	20.4	15.0	19.6	17.0	3848		238	179	9.5	0.757	0.0462	39.5					100.0%	10.9%		89.1%			0.7%		90.6%	8.7%								
All	Car	Car SUV	1994	21.8	16.1	20.5	18.0	3735		209	163	9.9	0.791	0.0434	40.6			2.6%		97.4%	21.5%	7.6%	70.9%					92.1%	7.9%		11.5%					
All	Car	Car SUV	1995	21.5	15.7	20.5	17.8	3763		214	165	10.2	0.783	0.0436	40.6			0.1%		99.9%	17.4%		82.6%					90.8%	9.2%		19.1%					
All	Car	Car SUV	1996	22.4	16.2	21.1	18.4	3710		215	167	10.3	0.802	0.0448	41.7			6.3%		93.7%	15.4%		84.6%					100.0%			32.4%					
All	Car	Car SUV	1997	23.5	17.1	21.7	19.2	3549		190	159	10.4	0.875	0.0446	41.9			20.3%		79.7%	23.2%	6.1%	70.7%					100.0%			54.6%					
All	Car	Car SUV	1998	22.3	16.0	20.8	18.2	3824		218	168	10.6	0.802	0.0439	42.8			10.3%		89.7%	11.1%		88.9%					100.0%			29.2%					
All	Car	Car SUV	1999	22.7	16.3	21.0	18.5	3831		211	170	10.5	0.846	0.0442	43.7			15.4%		84.6%	8.4%		91.6%					100.0%			38.4%	4.6%				
All	Car	Car SUV	2000	22.0	15.7	20.3	17.9	3870		211	174	10.0	0.857	0.0448	42.8			12.7%		87.3%	5.7%		94.3%					100.0%			34.0%	5.0%				
All	Car	Car SUV	2001	23.3	16.4	21.4	18.8	3765		194	180	9.6	0.961	0.0477	44.2			37.1%		62.9%	6.2%		93.8%					100.0%			43.1%	10.0%				
All	Car	Car SUV	2002	24.0	16.7	22.0	19.3	3747		183	179	9.8	1.003	0.0479	45.3			55.5%		44.5%	7.5%		92.4%	0.1%				100.0%			70.3%	18.3%				
All	Car	Car SUV	2003	24.8	17.2	22.7	19.9	3716		181	181	9.5	1.014	0.0486	46.4			65.9%		34.1%	7.2%		84.4%	8.5%				100.0%			68.1%	19.6%				
All	Car	Car SUV	2004	24.9	17.0	23.1	20.0	3854		191	198	9.2	1.039	0.0511	48.2			72.9%	3.4%	23.7%	5.8%		87.9%	6.3%				100.0%			75.5%	37.9%				
All	Car	Car SUV	2005	25.4	17.3	23.2	20.2	3848		186	192	9.3	1.040	0.0498	49.0			74.0%	14.5%	11.5%	3.7%		91.9%	4.5%				100.0%			67.5%	27.3%	0.5%			
All	Car	Car SUV	2006	25.7	17.5	23.5	20.5	3876		184	192	9.4	1.051	0.0493	50.0			77.7%	8.6%	13.7%	3.1%		91.7%	5.2%				100.0%			86.8%	33.4%	1.1%			
All	Car	Car SUV	2007	25.9	17.6	23.8	20.6	3935		185	208	9.1	1.127	0.0524	51.2			85.4%	4.7%	10.0%	1.6%		94.5%	3.9%				100.0%			82.7%	46.8%	1.6%			
All	Car	Car SUV	2008	26.6	18.1	24.4	21.2	3902		179	204	9.2	1.141	0.0518	52.4			87.0%	5.3%	7.6%	0.7%		93.6%	5.7%			2.2%	97.8%			89.6%	56.4%	2.3%			
All	Car	Car SUV	2009	27.8	18.8	25.3	22.0	3846		175	206	8.7	1.174	0.0534	53.9			92.2%	2.8%	5.0%	0.6%		85.9%	13.5%			1.3%	98.7%			94.1%	73.7%	2.7%			
All	Car	Car SUV	2010	29.1	19.6	26.5	23.0	3949		172	213	8.7	1.240	0.0538	57.8			88.4%	8.9%	2.8%	0.2%		91.5%	8.3%			26.2%	73.8%			100.0%	99.9%	1.4%			
All	Car	Car SUV	2011	29.9	20.0	27.1	23.5	3890		166	207	8.8	1.243	0.0530	58.4			88.8%	9.7%	1.5%	0.5%		91.5%	8.0%			27.6%	72.4%			100.0%	99.8%	0.6%			
All	Car	Car SUV	2012	29.6	19.8	26.8	23.3	3915		167	211	8.7	1.260	0.0536	58.6			81.6%	14.5%	3.9%	0.4%		88.4%	11.2%			39.5%	60.4%			98.0%	98.0%	0.4%			
All	Car	Car SUV	2013	31.1	20.7	28.1	24.3	3966		161	214	8.7	1.351	0.0534	62.1			90.6%	7.8%	1.6%	0.3%		89.8%	9.8%			47.8%	52.2%			99.9%	99.9%	0.3%			
All	Car	Car SUV	2014	31.4	20.8	28.1	24.4	3865		154	204	8.8	1.347	0.0523	61.0			91.0%	7.7%	1.3%	0.7%		90.0%	9.4%			51.8%	48.1%			99.9%	99.9%	0.1%			
All	Car	Car SUV	2015	32.3	21.5	28.8	25.1	3868		153	202	8.8	1.339	0.0519	62.9			90.5%	8.1%	1.4%	0.6%	0.0%	79.4%	20.1%			52.8%	47.2%			100.0%	100.0%	0.3%			
All	Car	Car SUV	2016	33.8	22.6	29.8	26.2	3782		142	194	8.9	1.372	0.0508	66.2			85.4%	13.4%	1.2%	0.7%	3.9%	68.6%	26.8%			49.0%	50.0%			99.1%	99.1%	0.0%			
All	Car	Car SUV	2017	33.6	22.4	29.7	26.0	3913		141	211	8.7	1.456	0.0528	70.5			84.8%	14.4%	0.8%	0.5%	5.0%	78.9%	15.5%			56.0%	41.9%			97.9%	97.9%	0.2%			

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Car	All	1975	15.8	12.3	15.2	13.5	4057		288	136		0.515	0.0331	32.3			6.5%		93.5%	19.7%	80.0%	0.3%			94.6%		5.1%		0.2%						
All	Car	All	1976	17.5	13.7	16.6	14.9	4059		287	134		0.502	0.0324	35.5			5.8%		94.2%	17.2%	82.8%				96.6%		3.2%		0.3%						
All	Car	All	1977	18.3	14.4	17.4	15.6	3944		279	133		0.516	0.0335	36.4			6.8%		93.2%	16.9%	83.1%				95.3%		4.2%		0.5%						
All	Car	All	1978	19.9	15.5	19.1	16.9	3588		251	124	13.7	0.538	0.0342	35.9			9.6%		90.4%	19.9%	73.0%	7.1%			94.0%		5.1%		0.9%						
All	Car	All	1979	20.2	15.9	19.2	17.2	3485		238	119	14.5	0.545	0.0338	35.4			11.9%	0.3%	87.8%	21.1%	69.6%	8.8%		0.5%	93.2%		4.7%		2.1%						
All	Car	All	1980	23.5	18.3	22.6	20.0	3101		188	100	15.5	0.583	0.0322	36.6			29.7%	0.9%	69.4%	30.9%	51.6%	16.8%		0.6%	88.7%		6.2%	0.7%	4.4%						
All	Car	All	1981	25.1	19.5	24.2	21.4	3076		182	99	15.6	0.594	0.0320	38.9			37.0%	0.7%	62.2%	29.9%	36.2%	33.3%		0.6%	85.3%		6.1%	2.6%	5.9%						
All	Car	All	1982	26.0	20.1	25.5	22.2	3053		175	99	16.6	0.609	0.0320	40.1			45.6%	0.8%	53.6%	29.2%	19.1%	51.3%		0.5%	78.4%		7.2%	9.8%	4.7%						
All	Car	All	1983	25.9	19.9	25.5	22.1	3112		182	104	14.8	0.615	0.0330	40.7			47.1%	3.1%	49.9%	26.0%	16.8%	56.7%		0.5%	69.7%		9.4%	18.8%	2.1%						
All	Car	All	1984	26.3	20.2	25.9	22.4	3101		179	106	14.5	0.637	0.0338	41.1			53.5%	1.0%	45.5%	24.1%	17.5%	58.3%		0.0%	59.1%		14.9%	24.3%	1.7%						
All	Car	All	1985	26.9	20.6	26.7	23.0	3096		177	111	13.9	0.671	0.0354	41.9			61.1%	2.1%	36.8%	22.8%	18.4%	58.9%			46.0%		21.3%	31.8%	0.9%						
All	Car	All	1986	27.9	21.2	27.6	23.7	3043		167	111	13.2	0.701	0.0360	42.6			70.7%	1.0%	28.2%	24.7%	17.1%	58.1%			34.4%		36.5%	28.7%	0.3%	4.7%					
All	Car	All	1987	28.0	21.2	27.7	23.8	3035		162	113	13.3	0.732	0.0365	42.7			76.4%	1.1%	22.6%	24.8%	15.5%	59.7%			26.5%		42.4%	30.8%	0.2%	14.6%					
All	Car	All	1988	28.5	21.4	28.1	24.1	3051		161	116	13.3	0.758	0.0375	43.7			80.9%	0.8%	18.3%	24.3%	9.5%	66.2%			16.1%		53.7%	30.2%	0.0%	19.7%					
All	Car	All	1989	28.1	20.8	27.8	23.6	3104		163	121	12.5	0.782	0.0387	43.7			81.6%	1.0%	17.4%	21.1%	9.5%	69.3%	0.1%		9.6%		62.2%	28.1%	0.0%	24.1%					
All	Car	All	1990	27.7	20.4	27.4	23.3	3178		163	129	11.4	0.829	0.0401	44.2			84.0%	1.0%	15.0%	19.8%	7.4%	72.8%	0.0%		1.4%		77.4%	21.2%	0.0%	32.8%	0.6%				
All	Car	All	1991	27.8	20.4	27.4	23.3	3168		164	133	11.3	0.847	0.0413	44.2			81.1%	1.3%	17.5%	20.6%	5.7%	73.7%	0.0%		0.1%		77.2%	22.6%	0.1%	33.2%	2.4%				
All	Car	All	1992	27.4	19.8	27.2	22.9	3254		171	141	10.8	0.864	0.0427	44.7			78.4%	1.1%	20.5%	17.6%	6.0%	76.4%	0.0%		0.0%		88.9%	11.0%	0.1%	34.0%	4.4%				
All	Car	All	1993	27.6	19.9	27.3	23.0	3241		170	140	10.1	0.859	0.0427	45.1			80.6%	1.1%	18.3%	17.5%	4.9%	77.6%	0.0%		0.0%		91.5%	8.5%		34.8%	4.5%				
All	Car	All	1994	27.7	19.8	27.4	23.0	3268		169	144	9.9	0.880	0.0432	45.5			81.3%	0.4%	18.3%	16.9%	4.1%	78.9%					94.8%	5.2%	0.0%	39.9%	7.7%				
All	Car	All	1995	28.1	19.8	27.9	23.3	3274		168	153	9.8	0.941	0.0460	46.2			80.1%	1.1%	18.8%	16.3%	1.8%	81.9%					98.6%	1.3%	0.1%	51.4%	9.6%				
All	Car	All	1996	28.0	19.7	27.6	23.1	3297		167	155	10.1	0.952	0.0463	46.4			83.7%	1.4%	14.8%	14.9%	1.5%	83.6%	0.0%				98.8%	1.1%	0.1%	56.4%	11.3%				
All	Car	All	1997	28.2	19.7	27.6	23.2	3285		165	156	10.0	0.970	0.0468	46.5			83.8%	1.7%	14.5%	13.9%	0.8%	85.2%	0.1%				99.2%	0.8%	0.1%	58.4%	10.8%				
All	Car	All	1998	28.1	19.5	27.5	23.0	3334		167	160	10.2	0.983	0.0473	47.1			82.9%	2.1%	15.0%	12.2%	0.3%	87.4%	0.1%				99.7%	0.1%	0.2%	59.6%	17.4%				
All	Car	All	1999	27.8	19.2	27.0	22.7	3390		168	164	10.1	1.000	0.0479	47.3			83.2%	2.1%	14.7%	10.8%	0.6%	88.6%	0.0%				99.8%	0.1%	0.2%	63.2%	16.4%				
All	Car	All	2000	27.7	19.0	26.7	22.5	3401		168	168	9.5	1.021	0.0489	47.3			80.4%	2.0%	17.7%	10.8%	1.0%	88.1%	0.0%				99.7%	0.1%	0.2%	63.2%	22.2%	0.1%			
All	Car	All	2001	27.9	19.1	26.7	22.6	3411		167	169	9.4	1.035	0.0491	48.0			80.3%	3.0%	16.7%	11.0%	0.8%	88.0%	0.2%				99.8%		0.2%	65.3%	26.9%	0.2%			
All	Car	All	2002	28.3	19.2	26.8	22.8	3415		167	173	9.4	1.061	0.0502	48.6			82.9%	3.6%	13.5%	10.9%	0.2%	88.4%	0.4%				99.6%		0.4%	69.9%	32.8%	0.3%			
All	Car	All	2003	28.7	19.3	27.1	23.0	3437		166	176	9.1	1.082	0.0508	49.7			80.9%	3.2%	15.9%	10.9%		87.7%	1.4%				99.7%		0.3%	73.4%	39.8%	0.6%			
All	Car	All	2004	28.5	19.1	27.0	22.9	3492		170	184	9.0	1.101	0.0520	50.3			80.2%	5.3%	14.5%	9.8%	0.2%	88.2%	1.7%				99.7%		0.3%	77.1%	43.7%	0.9%			
All	Car	All	2005	29.1	19.4	27.2	23.1	3498		168	183	9.0	1.108	0.0516	51.5			79.2%	6.6%	14.2%	8.8%	0.1%	88.4%	2.8%				99.6%		0.4%	77.2%	49.4%	1.9%			
All	Car	All	2006	28.9	19.2	27.1	23.0	3563		173	194	8.8	1.138	0.0536	52.2			75.9%	6.0%	18.0%	8.8%	0.1%	88.4%	2.7%				99.4%		0.6%	81.3%	58.2%	1.5%			
All	Car	All	2007	29.8	19.8	27.8	23.7	3551		167	191	8.9	1.154	0.0530	53.9			81.0%	5.6%	13.4%	7.8%	0.0%	82.5%	9.7%			0.3%	99.7%		0.0%	84.6%	63.3%	3.2%			
All	Car	All	2008	30.1	20.0	28.0	23.9	3569		166	194	8.9	1.174	0.0534	54.6			78.8%	7.1%	14.1%	7.2%	0.3%	81.7%	10.8%			3.1%	96.9%		0.1%	88.0%	62.7%	3.3%			
All	Car	All	2009	31.6	21.0	29.2	25.0	3502		157	186	8.9	1.189	0.0522	56.3			83.5%	6.3%	10.2%	6.2%	0.3%	82.4%	11.1%			4.2%	95.2%		0.6%	92.2%	79.1%	2.9%			
All	Car	All	2010	32.6	21.7	29.9	25.7	3536		158	190	8.8	1.203	0.0528	59.6			82.5%	6.3%	11.2%	5.0%	1.6%	79.4%	14.0%			9.2%	89.9%		0.9%	93.8%	91.8%	5.6%			
All	Car	All	2011	32.3	21.3	29.6	25.4	3617		160	200	8.6	1.250	0.0544	60.0			80.1%	8.6%	11.3%	4.6%	0.5%	83.0%	12.0%			18.4%	80.6%		0.9%	94.5%	94.8%	3.4%			
All	Car	All	2012	34.4	22.7	31.2	26.9	3519		150	192	8.6	1.276	0.0536	62.6			83.8%	7.5%	8.8%	4.9%	1.8%	78.4%	15.0%			27.4%	71.3%		1.0%	98.0%	97.5%	5.1%			
All	Car	All	2013	35.5	23.4	32.1	27.7	3543		147	197	8.5	1.345	0.0546	65.7			83.0%	7.7%	9.3%	4.8%	2.2%	75.0%	18.1%			37.3%	61.1%		1.1%	98.0%	97.6%	5.9%			
All	Car	All	2014	35.6	23.4	32.0	27.6	3559		148	198	8.4	1.352	0.0546	66.0			81.3%	8.2%	10.6%	4.0%	2.7%	68.4%	25.0%			42.7%	55.5%		1.3%	97.6%	97.3%	4.8%			
All	Car	All	2015	36.5	23.9	32.7	28.2	3556		146	197	8.4	1.356	0.0544	68.0			80.4%	9.9%	9.7%	3.9%	2.3%	63.9%	29.9%			44.0%	54.3%		0.8%	97.6%	97.6%	4.4%			
All	Car	All	2016	36.9	24.2	33.0	28.5	3533		142	196	8.4	1.396	0.0546	68.7			79.8%	11.0%	9.1%	3.4%	4.7%	62.4%	29.6%			49.6%	49.5%		0.1%	97.6%	99.0%	3.2%			
All	Car	All	2017	37.9	24.9	33.4	29.1	3570		139	198	8.3	1.423	0.0542	74.0			78.3%	12.6%	9.1%	4.0%	5.1%	59.4%	31.5%			53.0%	45.0%		0.2%	97.0%	97.8%	6.1%			

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Truck	Van	1975	13.1	10.6	11.9	11.1	4196		318	143		0.448	0.0341	28.1					100.0%	23.3%	76.7%				99.8%			0.2%							
All	Truck	Van	1976	13.9	11.1	12.8	11.8	4200		324	146		0.447	0.0347	29.7					100.0%	20.5%	79.5%				99.7%			0.3%							
All	Truck	Van	1977	14.7	11.9	13.3	12.5	4252		332	152		0.458	0.0359	31.7					100.0%	14.3%	85.7%				99.6%			0.4%							
All	Truck	Van	1978	14.2	11.6	12.7	12.1	4250		329	149	13.4	0.453	0.0351	30.8					100.0%	13.0%	87.0%				99.6%			0.4%							
All	Truck	Van	1979	13.5	11.1	12.1	11.5	4541		322	144	15.5	0.451	0.0317	31.3					100.0%	14.8%	78.4%	6.8%			98.2%			1.8%							
All	Truck	Van	1980	16.6	13.3	15.4	14.1	4353		288	131	16.5	0.459	0.0299	36.4					100.0%	26.0%	35.0%	39.0%			93.5%			6.5%							
All	Truck	Van	1981	17.5	14.0	16.0	14.8	4324		284	129	16.5	0.458	0.0298	38.0			0.3%		99.7%	21.9%	31.4%	46.6%			95.4%			4.6%							
All	Truck	Van	1982	17.3	13.9	15.9	14.7	4342		287	132	17.6	0.463	0.0303	38.0					100.0%	15.7%	38.5%	45.8%			95.2%			3.0%	1.8%						
All	Truck	Van	1983	17.7	14.1	16.5	15.1	4414		294	136	15.7	0.466	0.0307	39.7			0.2%		99.8%	12.0%	28.6%	59.3%			92.0%			3.5%	4.5%						
All	Truck	Van	1984	18.9	15.0	17.7	16.1	4075		249	126	15.9	0.538	0.0307	39.3			22.3%		77.7%	15.5%	39.0%	45.6%		0.0%	89.0%		6.6%	3.1%	1.2%						
All	Truck	Van	1985	19.5	15.5	18.1	16.5	3975		236	129	15.3	0.578	0.0322	39.3			30.4%	0.3%	69.3%	10.0%	42.7%	47.4%			90.4%		6.3%	2.9%	0.3%						
All	Truck	Van	1986	20.6	16.1	19.4	17.5	3998		228	127	14.7	0.588	0.0317	41.5			24.4%	1.3%	74.3%	8.5%	31.4%	60.1%			61.5%		21.8%	16.3%	0.4%						
All	Truck	Van	1987	20.9	16.2	19.8	17.7	3972		226	142	13.9	0.657	0.0356	41.7			27.5%	1.9%	70.5%	6.4%	25.7%	67.6%		0.2%	23.9%		45.8%	30.2%	0.1%						
All	Truck	Van	1988	21.2	16.2	20.3	17.9	4053		229	147	13.9	0.671	0.0363	43.2			36.3%	0.8%	63.0%	3.7%	17.6%	78.7%			0.2%		56.9%	42.8%	0.1%						
All	Truck	Van	1989	21.1	16.1	20.2	17.8	4057		225	146	13.4	0.680	0.0360	43.2			34.4%	0.7%	64.9%	2.9%	20.5%	76.5%		0.0%			58.1%	41.8%	0.1%						
All	Truck	Van	1990	21.2	16.0	20.4	17.8	4095		225	149	12.5	0.682	0.0363	43.8			46.8%	6.6%	46.7%	1.8%	4.7%	93.5%		0.0%			58.1%	41.9%	0.1%						
All	Truck	Van	1991	21.4	16.0	20.5	17.9	4133		220	149	12.7	0.701	0.0359	44.5			38.2%	10.9%	50.9%	1.4%	2.1%	96.5%					63.3%	36.6%	0.1%						
All	Truck	Van	1992	21.5	15.9	20.5	17.9	4151		222	152	12.2	0.705	0.0366	44.8			45.4%	5.5%	49.1%	1.6%	2.0%	96.4%					71.9%	28.1%	0.1%						
All	Truck	Van	1993	21.9	16.0	21.0	18.2	4105		218	155	11.2	0.730	0.0378	45.0			49.8%	4.5%	45.6%	1.2%	1.7%	97.2%					79.0%	21.0%							
All	Truck	Van	1994	21.5	15.7	20.5	17.8	4156		226	159	11.0	0.721	0.0384	44.9			52.3%	6.4%	41.3%	0.5%	2.1%	97.4%					81.2%	18.8%		3.5%					
All	Truck	Van	1995	21.8	15.8	21.0	18.1	4110		231	159	11.2	0.708	0.0387	45.0			61.3%	9.1%	29.6%	0.1%	1.6%	98.2%					87.4%	12.6%		4.5%					
All	Truck	Van	1996	22.2	15.9	21.4	18.3	4195		220	171	11.3	0.790	0.0408	46.8			73.8%	2.3%	23.9%	0.0%	1.6%	98.4%					100.0%			5.7%					
All	Truck	Van	1997	22.1	15.7	21.2	18.2	4240		220	174	11.2	0.802	0.0410	46.9			64.8%	4.7%	30.6%		0.4%	99.6%					100.0%			6.3%					
All	Truck	Van	1998	22.7	16.0	22.0	18.7	4183		217	180	11.1	0.840	0.0431	47.7			78.3%	3.2%	18.4%			100.0%					100.0%			10.4%					
All	Truck	Van	1999	22.3	15.6	21.5	18.3	4306		223	183	11.1	0.832	0.0424	48.1			76.0%	2.7%	21.3%			100.0%					100.0%			12.5%	8.2%				
All	Truck	Van	2000	22.8	15.9	21.8	18.6	4276		217	183	10.6	0.858	0.0428	48.9			80.6%	2.7%	16.7%			100.0%					100.0%			21.6%	15.0%				
All	Truck	Van	2001	22.1	15.3	21.1	18.0	4518		229	202	10.1	0.897	0.0447	50.3			69.3%	8.7%	22.1%			100.0%					100.0%			22.6%	17.0%				
All	Truck	Van	2002	23.1	15.9	21.9	18.7	4394		218	199	10.1	0.929	0.0455	50.9			84.3%	3.0%	12.6%			100.0%					100.0%			28.4%	20.9%				
All	Truck	Van	2003	23.5	16.0	22.2	19.0	4393		219	202	10.0	0.929	0.0459	51.7			83.5%	5.0%	11.4%			100.0%					100.0%			25.8%	19.6%				
All	Truck	Van	2004	23.7	16.0	22.7	19.2	4487		219	214	9.7	0.988	0.0477	53.4			86.6%	4.9%	8.5%			100.0%					100.0%			52.3%	46.1%				
All	Truck	Van	2005	24.0	16.1	22.8	19.3	4430		216	209	9.7	0.976	0.0472	53.2			89.2%	5.5%	5.4%			94.9%	5.1%				100.0%			38.0%	25.0%				
All	Truck	Van	2006	24.3	16.2	23.1	19.5	4475		216	211	9.7	0.984	0.0472	54.4			89.8%	4.5%	5.7%			95.3%	4.7%				100.0%			46.8%	36.4%				
All	Truck	Van	2007	24.2	16.1	23.1	19.5	4479		219	225	9.4	1.034	0.0503	54.3			93.8%	2.9%	3.3%			95.5%	4.5%				100.0%			53.1%	48.7%				
All	Truck	Van	2008	24.6	16.4	23.5	19.8	4527		220	221	9.6	1.010	0.0488	55.9			92.9%	4.0%	3.1%	0.1%		99.9%					100.0%			52.8%	48.1%				
All	Truck	Van	2009	25.0	16.7	23.7	20.1	4572		215	220	9.4	1.033	0.0482	57.2			94.1%	2.5%	3.4%	0.3%		99.7%					100.0%			58.9%	47.1%				
All	Truck	Van	2010	25.0	16.7	23.7	20.1	4533		214	212	9.7	1.001	0.0467	56.8			96.3%	1.6%	2.1%	0.2%		99.8%					100.0%			51.8%	37.7%				
All	Truck	Van	2011	26.3	17.6	24.5	20.9	4502		212	259	8.4	1.224	0.0574	59.2			91.4%	5.6%	2.9%			96.9%	3.1%				100.0%			96.6%	92.5%				
All	Truck	Van	2012	26.6	17.7	25.1	21.3	4442		210	254	8.5	1.211	0.0570	59.3			93.4%	3.1%	3.5%	0.2%		96.6%	3.2%				100.0%			96.0%	91.7%				
All	Truck	Van	2013	26.3	17.5	24.8	21.1	4543		209	257	8.5	1.228	0.0563	59.8			93.1%	4.1%	2.8%	0.1%		96.9%	3.0%				100.0%			96.6%	90.3%				
All	Truck	Van	2014	26.6	17.7	25.0	21.3	4489		213	260	8.3	1.224	0.0579	60.0			93.3%	3.8%	2.9%	0.1%		97.1%	2.8%			0.3%	99.7%			96.5%	97.8%				
All	Truck	Van	2015	27.4	18.3	25.4	21.8	4416		203	250	8.5	1.229	0.0563	60.7			94.1%	4.6%	1.3%			91.9%	8.1%			4.9%	95.1%			99.6%	100.0%				
All	Truck	Van	2016	27.2	18.1	25.5	21.7	4459		206	256	8.3	1.246	0.0573	60.7			94.8%	2.4%	2.8%			97.1%	2.9%			9.9%	90.1%			99.9%	100.0%				
All	Truck	Van	2017	28.9	19.1	26.7	22.8	4462		202	261	7.9	1.285	0.0582	66.5			94.4%	3.3%	2.3%			90.7%	9.3%			7.8%	92.2%			99.9%	100.0%	2.3%			

				Fuel Economy (MPG)						Engine							Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Truck	Truck SUV	1975	13.0	10.6	11.5	11.0	4214		332	148		0.443	0.0361	27.2				88.9%	11.1%	39.8%	60.2%				100.0%										
All	Truck	Truck SUV	1976	13.9	11.2	12.5	11.8	4328		339	142		0.415	0.0333	29.8				89.5%	10.5%	32.2%	67.8%				100.0%										
All	Truck	Truck SUV	1977	15.1	12.2	13.7	12.8	4248		337	145		0.428	0.0345	32.0				88.4%	11.6%	32.6%	67.4%				100.0%										
All	Truck	Truck SUV	1978	14.5	11.6	13.2	12.3	4282		342	150	13.2	0.435	0.0353	30.8				92.4%	7.6%	32.1%	67.9%				100.0%										
All	Truck	Truck SUV	1979	12.4	10.3	10.8	10.5	4561		337	145	14.8	0.433	0.0323	28.3				72.2%	27.8%	33.1%	66.5%	0.4%			99.8%				0.2%						
All	Truck	Truck SUV	1980	15.5	12.5	14.1	13.2	4237		295	131	15.7	0.453	0.0307	32.9				88.9%	11.1%	43.6%	30.3%	26.1%			97.7%				2.3%						
All	Truck	Truck SUV	1981	16.8	13.4	15.5	14.3	4208		290	132	15.4	0.460	0.0315	35.4				90.5%	9.5%	41.0%	17.9%	41.1%			100.0%										
All	Truck	Truck SUV	1982	17.3	13.7	16.2	14.7	4494		305	133	16.8	0.444	0.0300	39.9				86.2%	13.8%	31.9%	23.1%	45.0%			83.4%				16.6%						
All	Truck	Truck SUV	1983	18.5	14.5	17.7	15.8	4270		265	127	15.5	0.507	0.0300	40.3				91.3%	8.7%	33.7%	13.6%	52.3%		0.4%	92.4%				7.6%						
All	Truck	Truck SUV	1984	19.0	14.9	18.0	16.2	4049		231	122	15.6	0.554	0.0300	39.0				93.3%	6.7%	30.3%	28.9%	40.8%			97.5%				2.5%						
All	Truck	Truck SUV	1985	19.4	15.1	18.7	16.5	4092		222	123	15.4	0.583	0.0299	40.2				91.3%	8.7%	29.5%	13.6%	56.9%			92.9%		4.4%	1.0%	1.7%						
All	Truck	Truck SUV	1986	20.1	15.6	19.1	17.0	3958		210	128	14.0	0.653	0.0323	40.0				93.3%	6.7%	38.9%	7.5%	53.6%			51.8%		25.9%	20.6%	1.7%						
All	Truck	Truck SUV	1987	20.4	15.8	19.5	17.3	3882		212	137	13.5	0.680	0.0353	39.7				94.1%	5.9%	39.6%	9.4%	51.0%			27.8%		33.1%	38.7%	0.5%						
All	Truck	Truck SUV	1988	20.2	15.5	19.2	17.0	3906		222	144	13.3	0.682	0.0369	39.4				94.3%	5.7%	34.5%	8.0%	57.5%			17.6%		47.3%	34.8%	0.3%						
All	Truck	Truck SUV	1989	19.7	15.0	18.6	16.6	4086		244	156	12.4	0.665	0.0384	40.3				93.5%	6.5%	26.0%	8.5%	65.6%			6.9%		46.3%	46.5%	0.3%						
All	Truck	Truck SUV	1990	19.6	14.8	18.6	16.4	4098		235	155	11.7	0.694	0.0381	40.1				92.5%	7.5%	29.1%	4.1%	66.8%			5.2%		56.7%	37.8%	0.3%						
All	Truck	Truck SUV	1991	20.0	15.0	19.1	16.7	4157		233	162	11.6	0.709	0.0391	41.6				96.3%	3.7%	21.8%	1.7%	76.5%			0.4%		62.2%	37.2%	0.2%						
All	Truck	Truck SUV	1992	19.4	14.5	18.5	16.2	4204		235	170	11.0	0.738	0.0408	40.8				95.4%	4.6%	21.7%	0.9%	77.4%					74.5%	25.5%							
All	Truck	Truck SUV	1993	19.6	14.5	18.6	16.3	4331		244	179	10.1	0.753	0.0419	42.3				93.1%	6.9%	19.1%	0.9%	79.9%					83.0%	17.0%							
All	Truck	Truck SUV	1994	19.3	14.3	18.2	16.0	4331		245	180	10.1	0.756	0.0420	41.8				95.7%	4.3%	15.2%		84.8%					84.7%	15.3%		13.4%					
All	Truck	Truck SUV	1995	19.3	14.2	18.2	16.0	4323		245	177	10.4	0.751	0.0414	41.8				90.1%	9.9%	15.0%		85.0%					84.9%	15.1%		15.1%					
All	Truck	Truck SUV	1996	19.6	14.2	18.7	16.2	4386		259	189	10.5	0.744	0.0432	43.1				83.8%	16.2%	6.1%		93.9%					100.0%		0.0%	13.5%					
All	Truck	Truck SUV	1997	19.6	14.2	18.4	16.1	4463		255	190	10.5	0.765	0.0427	43.7				81.9%	18.1%	9.7%		90.3%					100.0%		0.0%	19.1%					
All	Truck	Truck SUV	1998	19.7	14.1	18.5	16.2	4450		252	192	10.7	0.786	0.0432	43.9				86.2%	13.8%	7.5%		92.5%					100.0%		0.0%	22.0%					
All	Truck	Truck SUV	1999	19.6	14.1	18.4	16.1	4518		253	204	10.4	0.837	0.0452	44.4				79.4%	20.6%	5.9%		94.1%					100.0%			26.4%	2.9%				
All	Truck	Truck SUV	2000	19.6	14.0	18.2	16.0	4602		253	206	10.0	0.839	0.0449	45.2				83.5%	16.5%	4.9%		95.1%					100.0%			22.7%	2.5%				
All	Truck	Truck SUV	2001	20.2	14.4	18.6	16.4	4546		239	213	9.6	0.920	0.0469	46.0			7.4%	76.5%	16.1%	3.8%		96.2%					100.0%			39.6%	14.4%				
All	Truck	Truck SUV	2002	20.1	14.1	18.7	16.3	4636		245	229	9.4	0.952	0.0493	46.6			1.7%	74.5%	23.9%	3.2%		96.7%	0.0%				100.0%			44.2%	25.0%				
All	Truck	Truck SUV	2003	20.3	14.1	18.8	16.4	4754		247	233	9.3	0.967	0.0492	48.2			2.6%	73.7%	23.7%	2.2%		96.5%	1.3%				100.0%			51.6%	33.4%				
All	Truck	Truck SUV	2004	20.4	14.1	19.0	16.5	4756		252	240	9.1	0.973	0.0505	48.5			2.8%	74.8%	22.4%	2.2%		96.7%	1.0%				100.0%		0.0%	53.2%	38.4%				
All	Truck	Truck SUV	2005	20.8	14.3	19.2	16.7	4756		244	244	8.9	1.018	0.0512	49.6			2.9%	77.2%	19.9%	2.2%		96.3%	1.5%				99.7%		0.3%	64.3%	50.0%	0.2%			
All	Truck	Truck SUV	2006	21.4	14.7	19.7	17.2	4715		236	240	9.0	1.028	0.0507	50.9			5.1%	77.2%	17.7%	2.4%		93.0%	4.6%				99.7%		0.3%	69.8%	60.2%	3.1%			
All	Truck	Truck SUV	2007	22.0	15.1	20.3	17.7	4797		240	252	8.9	1.068	0.0523	53.1			6.5%	75.3%	18.2%	2.1%		92.1%	5.8%				99.7%		0.3%	61.8%	54.3%	1.4%			
All	Truck	Truck SUV	2008	22.7	15.5	20.9	18.2	4727		230	250	8.9	1.105	0.0525	54.0			10.1%	75.7%	14.2%	1.7%		91.6%	6.7%			2.0%	97.6%		0.4%	71.8%	60.5%	2.4%			
All	Truck	Truck SUV	2009	24.1	16.4	22.2	19.3	4548		211	244	8.7	1.170	0.0532	55.1			17.5%	75.0%	7.5%	1.2%		88.2%	10.7%			7.6%	91.8%		0.6%	82.4%	69.0%	1.5%			
All	Truck	Truck SUV	2010	24.7	16.8	22.6	19.7	4555		212	243	8.7	1.163	0.0531	56.6			14.2%	77.7%	8.1%	1.8%	0.8%	86.8%	10.6%			12.2%	87.2%		0.6%	82.7%	83.0%	1.5%			
All	Truck	Truck SUV	2011	24.9	16.9	22.8	19.8	4665		217	257	8.5	1.203	0.0547	58.2			13.8%	77.3%	8.9%	1.2%	0.0%	87.4%	11.4%			15.1%	84.1%		0.8%	83.6%	92.6%	0.6%			
All	Truck	Truck SUV	2012	25.1	17.1	23.0	20.0	4640		215	261	8.4	1.232	0.0558	58.5			13.8%	79.9%	6.4%	1.6%		88.4%	9.9%			18.3%	80.5%		1.2%	89.2%	95.8%	0.6%			
All	Truck	Truck SUV	2013	26.3	17.8	23.9	20.8	4584		205	257	8.4	1.284	0.0555	60.6			13.8%	80.4%	5.8%	1.2%		84.9%	13.9%			23.0%	76.2%		0.9%	91.6%	98.3%	0.7%			
All	Truck	Truck SUV	2014	27.3	18.4	24.8	21.6	4483		196	250	8.4	1.300	0.0554	61.6			12.8%	81.8%	5.4%	1.2%		82.0%	16.8%			27.1%	71.8%		1.1%	88.0%	97.4%	0.6%			
All	Truck	Truck SUV	2015	27.8	18.7	25.2	21.9	4533		198	254	8.4	1.307	0.0554	63.5			11.1%	82.4%	6.4%	1.0%	0.3%	76.5%	22.1%			37.7%	61.3%		1.0%	91.4%	98.6%	0.5%			
All	Truck	Truck SUV	2016	28.2	19.0	25.4	22.2	4482		191	252	8.3	1.350	0.0556	64.0			11.7%	83.3%	5.1%	0.9%	0.2%	77.3%	21.6%			49.5%	49.9%		0.6%	93.1%	99.4%	1.4%			
All	Truck	Truck SUV	2017	28.2	19.0	25.3	22.2	4492		188	256	8.1	1.413	0.0564	64.1			11.4%	83.5%	5.2%	1.0%	0.2%	78.5%	20.3%			48.9%	50.8%		0.3%	94.9%	99.5%	1.9%			

				Fuel Economy (MPG)				Weight	Volume	Engine								Drivetrain			Transmission					Fuel Metering								Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	(lb)	(Cu-Ft)	CID	HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Truck	Pickup	1975	14.0	11.1	13.1	11.9	4012		306	141		0.491	0.0351	28.8				13.5%	86.5%	41.1%	58.9%				100.0%											
All	Truck	Pickup	1976	14.6	11.7	13.4	12.4	4122		316	139		0.466	0.0339	30.9				20.9%	79.1%	38.8%	61.2%				100.0%											
All	Truck	Pickup	1977	16.0	12.9	14.5	13.6	4092		313	146		0.496	0.0357	33.4				21.4%	78.6%	35.9%	64.1%				100.0%											
All	Truck	Pickup	1978	15.7	12.8	14.1	13.3	4104		306	144	13.4	0.496	0.0350	33.1				27.0%	73.0%	37.4%	62.6%				98.8%				1.2%							
All	Truck	Pickup	1979	15.5	12.7	13.9	13.2	4142		287	136	14.9	0.502	0.0327	32.9				12.6%	87.4%	39.9%	58.8%	1.3%			97.5%				2.5%							
All	Truck	Pickup	1980	19.4	15.5	17.9	16.5	3740		236	118	15.6	0.549	0.0315	36.7			1.8%	21.1%	77.1%	58.8%	19.3%	21.9%			94.8%			1.0%	4.2%						
All	Truck	Pickup	1981	21.0	16.7	19.5	17.9	3679		237	115	15.6	0.521	0.0313	39.3			2.3%	16.8%	80.8%	57.7%	14.8%	27.5%			92.3%			0.6%	7.1%						
All	Truck	Pickup	1982	21.7	17.2	20.3	18.5	3629		228	117	16.4	0.545	0.0322	40.1			2.2%	17.7%	80.1%	53.9%	16.6%	29.5%			89.5%			0.2%	10.3%						
All	Truck	Pickup	1983	22.2	17.5	20.9	18.9	3544		212	112	15.2	0.566	0.0317	40.0			1.9%	22.1%	76.1%	56.3%	15.3%	28.0%		0.4%	95.5%			0.1%	4.4%						
All	Truck	Pickup	1984	21.5	16.9	20.2	18.3	3619		215	114	15.1	0.563	0.0314	39.4			0.6%	24.7%	74.7%	54.9%	15.9%	29.3%			96.3%		1.0%		2.7%						
All	Truck	Pickup	1985	21.4	16.9	20.1	18.2	3642		221	123	14.2	0.588	0.0336	39.6				25.4%	74.6%	51.6%	14.8%	33.7%			82.8%		11.4%	4.5%	1.2%						
All	Truck	Pickup	1986	22.2	17.5	20.8	18.9	3574		206	120	13.6	0.623	0.0336	40.1				25.2%	74.8%	58.4%	11.2%	30.4%			60.6%		21.2%	17.6%	0.6%						
All	Truck	Pickup	1987	22.5	17.5	21.2	19.0	3526		202	123	13.5	0.639	0.0347	40.1			0.0%	25.5%	74.5%	58.5%	12.7%	28.9%			40.8%		26.9%	32.0%	0.3%						
All	Truck	Pickup	1988	21.5	16.5	20.4	18.1	3737		229	138	13.1	0.627	0.0365	40.5			0.0%	28.4%	71.6%	51.0%	10.3%	38.8%			16.1%		35.4%	48.3%	0.2%						
All	Truck	Pickup	1989	21.2	16.2	20.0	17.8	3803		236	143	12.4	0.633	0.0373	40.5				28.9%	71.1%	52.4%	6.1%	41.5%			10.0%		38.8%	51.1%	0.2%						
All	Truck	Pickup	1990	20.7	15.7	19.7	17.4	3928		247	152	11.3	0.647	0.0384	41.1				27.9%	72.1%	45.8%	4.3%	49.8%			6.0%		52.4%	41.4%	0.2%						
All	Truck	Pickup	1991	21.7	16.3	20.7	18.2	3779		232	146	11.4	0.658	0.0385	41.4				24.8%	75.2%	52.2%	1.4%	46.4%			3.2%		47.9%	48.7%	0.2%						
All	Truck	Pickup	1992	20.9	15.5	20.0	17.5	3976		245	151	11.2	0.644	0.0379	41.8				26.3%	73.7%	47.1%	0.9%	52.1%			3.2%		58.0%	38.6%	0.1%						
All	Truck	Pickup	1993	21.1	15.6	20.2	17.6	3996		244	156	10.4	0.666	0.0390	42.4			0.0%	27.6%	72.4%	43.9%	0.8%	55.3%			2.1%		61.2%	36.7%							
All	Truck	Pickup	1994	21.0	15.5	19.9	17.4	4056		248	163	10.2	0.687	0.0401	43.0				29.3%	70.7%	40.0%	1.0%	59.0%			0.8%		69.5%	29.7%		2.2%					
All	Truck	Pickup	1995	20.4	14.9	19.3	16.9	4182		257	167	10.3	0.687	0.0399	43.1				33.0%	67.0%	39.6%	0.9%	59.5%					69.5%	30.5%		5.5%					
All	Truck	Pickup	1996	20.8	15.1	19.7	17.1	4190		251	178	10.5	0.737	0.0422	43.9				29.3%	70.7%	34.6%	1.4%	64.0%		0.0%			99.8%		0.2%	13.3%					
All	Truck	Pickup	1997	20.4	14.7	19.4	16.8	4415		264	196	10.2	0.756	0.0439	45.3				34.7%	65.3%	25.3%		74.7%					99.9%		0.1%	6.7%					
All	Truck	Pickup	1998	20.7	14.8	19.6	17.0	4282		252	190	10.5	0.773	0.0439	44.6				34.8%	65.2%	27.3%	1.5%	71.1%					100.0%		0.0%	11.2%					
All	Truck	Pickup	1999	19.9	14.2	18.6	16.3	4486		267	205	10.3	0.776	0.0453	44.7				45.3%	54.7%	17.5%	0.9%	81.5%					100.0%		0.0%	7.7%					
All	Truck	Pickup	2000	20.5	14.6	18.9	16.7	4340		255	203	9.8	0.803	0.0462	44.4				38.4%	61.6%	16.7%	0.8%	82.5%					100.0%			12.7%					
All	Truck	Pickup	2001	19.6	13.9	18.1	16.0	4551		269	216	9.4	0.812	0.0470	44.7				38.7%	61.3%	12.0%	0.8%	87.1%					100.0%			12.8%					
All	Truck	Pickup	2002	19.5	13.8	17.8	15.8	4690		271	226	9.4	0.838	0.0480	45.6				42.4%	57.6%	9.5%	0.9%	89.6%					100.0%			17.8%					
All	Truck	Pickup	2003	19.9	14.0	18.2	16.1	4642		264	223	9.5	0.847	0.0475	46.3				39.5%	60.5%	10.3%	0.9%	88.8%					100.0%			14.5%					
All	Truck	Pickup	2004	19.6	13.7	17.8	15.7	4939		281	249	9.1	0.885	0.0501	48.2				46.3%	53.7%	7.0%	0.9%	92.1%					100.0%			32.4%	18.9%	0.0%			
All	Truck	Pickup	2005	19.7	13.6	18.1	15.8	4988		284	260	8.8	0.917	0.0520	49.1				46.7%	53.3%	5.7%		94.3%					100.0%			40.9%	39.1%	0.0%			
All	Truck	Pickup	2006	20.1	13.9	18.4	16.1	4968		278	256	8.9	0.925	0.0514	49.8				45.8%	54.2%	6.2%		93.8%					100.0%			49.0%	47.5%	0.1%			
All	Truck	Pickup	2007	20.1	13.8	18.5	16.2	5144		286	269	8.9	0.938	0.0519	51.6				45.4%	54.6%	4.4%		95.6%					100.0%			40.0%	40.0%	0.0%			
All	Truck	Pickup	2008	20.5	14.1	18.9	16.5	5161		286	276	8.9	0.962	0.0531	53.0				47.5%	52.5%	4.0%		96.0%					100.0%			41.3%	37.8%				
All	Truck	Pickup	2009	21.0	14.4	19.5	16.9	5176		287	278	8.5	0.971	0.0534	54.3				50.6%	49.4%	4.1%		95.7%	0.2%				100.0%			42.4%	36.8%	0.2%			
All	Truck	Pickup	2010	20.9	14.3	19.4	16.9	5309		293	289	8.4	0.987	0.0542	55.5				57.0%	43.0%	2.4%		97.5%	0.1%				100.0%			59.9%	62.2%	0.1%			
All	Truck	Pickup	2011	21.4	14.6	19.9	17.2	5268		282	304	8.2	1.086	0.0571	56.3				60.3%	39.7%	2.1%		97.8%	0.1%			7.6%	92.4%			50.1%	86.1%	0.1%			
All	Truck	Pickup	2012	21.3	14.6	19.9	17.2	5335		286	317	7.9	1.122	0.0590	56.9				62.4%	37.6%	1.5%		98.5%	0.1%			10.3%	89.7%			55.7%	94.6%	0.1%			
All	Truck	Pickup	2013	21.7	14.8	20.2	17.5	5429		282	328	7.8	1.186	0.0600	58.9				63.2%	36.8%	1.2%		98.8%	0.0%			15.3%	84.7%			61.8%	96.5%	0.0%			
All	Truck	Pickup	2014	22.4	15.3	20.9	18.0	5485		293	334	7.6	1.158	0.0606	61.7				64.9%	35.1%	0.7%		99.3%				45.0%	55.0%			48.8%	99.3%				
All	Truck	Pickup	2015	23.5	16.0	21.7	18.8	5165		277	324	7.6	1.207	0.0626	60.9				66.9%	33.1%	0.9%		99.1%				55.1%	43.1%		1.8%	53.5%	90.4%				
All	Truck	Pickup	2016	23.6	16.1	21.8	18.9	5150		266	324	7.5	1.266	0.0630	61.1				67.1%	32.9%	0.7%		99.3%				49.9%	47.9%		2.2%	62.5%	89.6%	0.0%			
All	Truck	Pickup	2017	23.6	16.0	21.9	18.9	5246		277	336	7.3	1.258	0.0640	62.1			1.0%	65.1%	33.9%	0.7%		99.3%				56.9%	42.0%		1.1%	55.0%	93.0%	0.1%			

				Fuel Economy (MPG)													Drivetrain			Transmission					Fuel Metering										
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	Truck	All	1975	13.7	10.9	12.7	11.6	4073		311	142		0.476	0.0349	28.5				17.2%	82.8%	36.9%	63.1%				99.9%			0.1%							
All	Truck	All	1976	14.4	11.6	13.2	12.2	4155		320	141		0.458	0.0340	30.5				23.0%	77.0%	34.7%	65.3%				99.9%			0.1%							
All	Truck	All	1977	15.6	12.6	14.2	13.3	4136		318	147		0.482	0.0356	33.0				23.8%	76.2%	31.6%	68.4%				99.9%			0.1%							
All	Truck	All	1978	15.3	12.4	13.7	12.9	4152		315	146	13.4	0.481	0.0351	32.4				29.1%	70.9%	32.1%	67.9%				99.1%			0.1%	0.8%						
All	Truck	All	1979	14.7	12.1	13.1	12.5	4257		299	138	15.0	0.485	0.0325	32.1				18.1%	81.9%	35.1%	62.8%	2.1%			97.9%			0.3%	1.8%						
All	Truck	All	1980	18.6	14.8	17.1	15.8	3869		248	121	15.7	0.528	0.0313	36.3			1.4%	25.0%	73.6%	53.0%	22.4%	24.5%			94.9%			1.7%	3.5%						
All	Truck	All	1981	20.1	16.0	18.6	17.1	3806		247	119	15.7	0.508	0.0311	38.8			1.9%	20.1%	78.0%	51.6%	17.3%	31.1%			93.3%			1.1%	5.6%						
All	Truck	All	1982	20.5	16.3	19.0	17.4	3813		244	120	16.6	0.524	0.0317	39.7			1.7%	20.2%	78.1%	45.9%	20.7%	33.4%			89.9%			0.7%	9.4%						
All	Truck	All	1983	20.8	16.5	19.6	17.7	3773		232	118	15.3	0.542	0.0313	39.9			1.4%	26.1%	72.5%	46.3%	17.4%	36.0%		0.3%	94.6%			0.6%	4.8%						
All	Truck	All	1984	20.4	16.1	19.3	17.4	3787		225	118	15.3	0.556	0.0310	39.3			5.0%	31.5%	63.5%	42.5%	22.9%	34.6%		0.0%	95.0%		2.0%	0.6%	2.4%						
All	Truck	All	1985	20.5	16.2	19.3	17.5	3803		225	124	14.7	0.585	0.0326	39.6			7.3%	31.3%	61.4%	37.6%	21.2%	41.1%			86.5%		8.9%	3.5%	1.1%						
All	Truck	All	1986	21.4	16.8	20.1	18.2	3741		212	123	13.9	0.619	0.0330	40.4			5.9%	30.7%	63.4%	43.0%	15.5%	41.5%			59.4%		22.1%	17.8%	0.7%						
All	Truck	All	1987	21.6	16.8	20.4	18.3	3718		211	131	13.6	0.652	0.0351	40.5			7.6%	32.2%	60.2%	40.5%	15.7%	43.8%		0.1%	33.6%		33.3%	32.8%	0.3%						
All	Truck	All	1988	21.1	16.2	20.1	17.8	3850		228	141	13.3	0.649	0.0365	40.9			9.2%	34.1%	56.7%	35.8%	11.7%	52.5%			12.4%		43.2%	44.3%	0.2%						
All	Truck	All	1989	20.9	15.9	19.8	17.6	3932		234	146	12.7	0.653	0.0371	41.3			10.1%	32.8%	57.1%	32.8%	10.8%	56.4%		0.0%	6.5%		45.9%	47.5%	0.2%						
All	Truck	All	1990	20.7	15.6	19.8	17.4	4014		237	151	11.8	0.667	0.0377	41.8			15.8%	31.8%	52.4%	28.1%	4.4%	67.5%		0.0%	3.8%		55.0%	40.9%	0.2%						
All	Truck	All	1991	21.2	15.9	20.2	17.8	3961		229	150	11.8	0.681	0.0379	42.3			10.3%	37.3%	52.3%	31.5%	1.7%	66.8%			1.7%		55.3%	42.8%	0.1%						
All	Truck	All	1992	20.8	15.4	19.9	17.3	4078		236	155	11.5	0.682	0.0380	42.6			14.5%	33.4%	52.1%	27.5%	1.2%	71.3%			1.6%		65.7%	32.6%	0.1%						
All	Truck	All	1993	21.0	15.5	20.1	17.5	4098		235	160	10.6	0.705	0.0391	43.2			16.8%	32.7%	50.6%	24.7%	1.1%	74.2%			1.0%		71.5%	27.5%							
All	Truck	All	1994	20.7	15.2	19.6	17.2	4149		241	166	10.4	0.713	0.0401	43.2			13.8%	39.2%	47.0%	23.7%	1.0%	75.3%			0.4%		76.2%	23.4%		5.2%					
All	Truck	All	1995	20.5	14.9	19.4	17.0	4201		245	168	10.6	0.712	0.0400	43.3			18.4%	42.3%	39.3%	20.7%	0.9%	78.5%					79.4%	20.6%		8.0%					
All	Truck	All	1996	20.8	15.0	19.8	17.2	4255		245	179	10.7	0.755	0.0421	44.5			20.9%	39.2%	39.8%	15.6%	1.0%	83.4%		0.0%			99.9%		0.1%	11.2%					
All	Truck	All	1997	20.5	14.7	19.4	16.8	4394		251	189	10.5	0.769	0.0428	45.1			14.2%	45.2%	40.6%	14.1%	0.1%	85.8%					100.0%		0.0%	11.1%					
All	Truck	All	1998	20.8	14.8	19.7	17.1	4317		244	188	10.7	0.794	0.0435	45.1			19.3%	45.1%	35.5%	13.6%	0.6%	85.8%					100.0%		0.0%	14.8%					
All	Truck	All	1999	20.3	14.5	19.1	16.6	4457		252	199	10.5	0.811	0.0446	45.4			17.5%	48.1%	34.4%	9.2%	0.4%	90.4%					100.0%		0.0%	15.7%	3.0%				
All	Truck	All	2000	20.7	14.7	19.3	16.8	4421		245	199	10.1	0.830	0.0448	45.8			20.0%	46.3%	33.8%	8.2%	0.3%	91.5%					100.0%			18.6%	4.6%				
All	Truck	All	2001	20.3	14.4	18.8	16.5	4543		249	212	9.6	0.873	0.0465	46.3			16.3%	48.8%	34.8%	6.3%	0.3%	93.4%					100.0%			25.9%	9.3%				
All	Truck	All	2002	20.3	14.3	18.8	16.5	4612		249	223	9.5	0.911	0.0482	47.0			15.4%	51.6%	33.1%	4.7%	0.3%	94.9%	0.0%				100.0%			32.8%	16.0%				
All	Truck	All	2003	20.7	14.4	19.1	16.7	4655		248	224	9.4	0.920	0.0481	48.1			15.4%	50.4%	34.1%	4.6%	0.3%	94.4%	0.6%				100.0%			34.6%	19.7%				
All	Truck	All	2004	20.5	14.2	18.9	16.5	4783		258	240	9.2	0.946	0.0500	49.0			12.5%	56.5%	31.0%	3.5%	0.3%	95.6%	0.6%				100.0%		0.0%	46.2%	32.9%	0.0%			
All	Truck	All	2005	21.0	14.4	19.5	16.9	4763		251	242	9.1	0.976	0.0506	50.2			20.1%	52.2%	27.7%	2.9%		95.3%	1.8%				99.9%		0.1%	51.1%	41.2%	0.1%			
All	Truck	All	2006	21.4	14.6	19.7	17.2	4758		247	240	9.1	0.985	0.0503	51.2			18.9%	53.1%	28.0%	3.3%		93.7%	3.1%				99.9%		0.1%	58.4%	51.5%	1.5%			
All	Truck	All	2007	21.6	14.8	20.0	17.4	4871		253	254	9.0	1.020	0.0519	52.8			16.1%	55.5%	28.4%	2.6%		93.8%	3.7%				99.9%		0.1%	53.3%	48.7%	0.8%			
All	Truck	All	2008	22.2	15.1	20.5	17.8	4837		246	254	9.0	1.046	0.0522	53.9			18.4%	56.8%	24.8%	2.2%		94.1%	3.6%			1.1%	98.7%		0.2%	59.5%	51.6%	1.3%			
All	Truck	All	2009	23.1	15.7	21.4	18.5	4753		236	252	8.7	1.089	0.0527	55.1			21.0%	58.5%	20.5%	2.0%		92.0%	6.0%			4.2%	95.4%		0.3%	66.7%	56.0%	0.9%			
All	Truck	All	2010	23.4	15.9	21.7	18.8	4784		237	253	8.8	1.087	0.0526	56.3			20.9%	61.0%	18.0%	1.8%	0.4%	91.9%	5.9%			6.8%	92.9%		0.4%	71.5%	70.5%	0.9%			
All	Truck	All	2011	23.9	16.2	22.0	19.1	4824		236	271	8.4	1.171	0.0557	57.8			17.7%	65.0%	17.3%	1.3%	0.0%	91.4%	7.3%			11.3%	88.1%		0.5%	75.2%	90.7%	0.4%			
All	Truck	All	2012	24.1	16.4	22.3	19.3	4809		234	276	8.3	1.198	0.0569	58.2			20.9%	64.3%	14.8%	1.4%		92.4%	6.2%			13.5%	85.8%		0.7%	80.6%	94.9%	0.4%			
All	Truck	All	2013	24.8	16.8	22.8	19.8	4824		228	277	8.2	1.250	0.0569	60.0			18.1%	67.5%	14.5%	1.1%		90.2%	8.7%			18.4%	81.1%		0.5%	83.5%	96.9%	0.4%			
All	Truck	All	2014	25.5	17.3	23.5	20.3	4790		227	277	8.1	1.249	0.0572	61.4			17.5%	68.3%	14.2%	0.9%		88.9%	10.2%			29.7%	69.6%		0.6%	76.9%	98.0%	0.4%			
All	Truck	All	2015	26.5	17.9	24.2	21.1	4680		218	271	8.2	1.275	0.0573	62.6			16.0%	71.4%	12.6%	0.9%	0.2%	83.6%	15.3%			39.0%	59.9%		1.1%	82.7%	96.7%	0.3%			
All	Truck	All	2016	26.8	18.1	24.4	21.2	4656		212	272	8.1	1.319	0.0577	63.0			15.8%	72.0%	12.2%	0.8%	0.2%	84.8%	14.3%			46.2%	52.9%		1.0%	85.7%	96.9%	0.9%			
All	Truck	All	2017	26.8	18.1	24.3	21.2	4703		214	279	7.9	1.359	0.0587	63.7			14.7%	72.2%	13.1%	0.8%	0.2%	85.3%	13.7%			48.0%	51.5%		0.5%	84.0%	97.7%	1.4%			

				Fuel Economy (MPG)														Drivetrain			Transmission					Fuel Metering									Vehicle Size		
Manufacturer	Car or Truck	Vehicle Type	Model Year	Lab 55/45	Adj City	Adj Hwy	Adj Comb	Weight (lb)	Volume (Cu-Ft)	Engine CID	Engine HP	0-60 Time	HP/CID	HP/WT	Ton-MPG	Cu Ft-MPG	Cu Ft-Ton-MPG	Front	4WD	Rear	Manual	Automatic	Lockup	CVT	Other	Carb	GDI	Port	TBI	Diesel	Multi-Valve	VVT	Hybrid	Small	Mid	Large
All	All	All	1975	15.3	12.0	14.6	13.1	4060		293	137		0.507	0.033475	31.6			5.3%	3.3%	91.4%	23.0%	76.8%	0.2%			95.7%		4.1%	0.0%	0.2%							
All	All	All	1976	16.7	13.2	15.7	14.2	4079		294	135		0.493	0.032768	34.4			4.6%	4.8%	90.6%	20.9%	79.1%				97.3%		2.5%	0.0%	0.2%							
All	All	All	1977	17.7	14.0	16.6	15.1	3982		287	136		0.510	0.0339	35.7			5.5%	4.7%	89.8%	19.8%	80.2%				96.2%		3.4%	0.0%	0.4%							
All	All	All	1978	18.6	14.7	17.5	15.8	3715		266	129	13.6	0.525	0.0344	35.1			7.4%	6.6%	86.0%	22.7%	71.9%	5.5%			95.2%		3.9%	0.0%	0.9%							
All	All	All	1979	18.7	14.9	17.4	15.9	3655		252	124	14.6	0.532	0.0335	34.7			9.2%	4.3%	86.5%	24.2%	68.1%	7.3%		0.4%	94.2%		3.7%	0.1%	2.0%							
All	All	All	1980	22.5	17.6	21.5	19.2	3228		198	104	15.6	0.574	0.0320	36.6			25.0%	4.9%	70.1%	34.6%	46.8%	18.1%		0.5%	89.7%		5.2%	0.8%	4.3%							
All	All	All	1981	24.1	18.8	23.0	20.5	3202		193	102	15.6	0.580	0.0318	38.9			31.0%	4.0%	65.0%	33.6%	32.9%	33.0%		0.5%	86.7%		5.1%	2.4%	5.9%							
All	All	All	1982	24.7	19.2	23.9	21.1	3202		188	103	16.6	0.593	0.0320	40.0			37.0%	4.6%	58.4%	32.4%	19.4%	47.8%		0.4%	80.6%		5.8%	8.0%	5.6%							
All	All	All	1983	24.6	19.0	23.9	21.0	3257		193	107	14.9	0.599	0.0327	40.5			37.0%	8.1%	54.8%	30.5%	17.0%	52.1%		0.4%	75.2%		7.3%	14.8%	2.7%							
All	All	All	1984	24.6	19.1	24.0	21.0	3262		190	109	14.7	0.618	0.0332	40.7			42.1%	8.2%	49.8%	28.4%	18.8%	52.8%		0.0%	67.6%		11.9%	18.7%	1.8%							
All	All	All	1985	25.0	19.3	24.4	21.3	3271		189	114	14.1	0.650	0.0347	41.4			47.8%	9.3%	42.9%	26.5%	19.1%	54.5%			56.1%		18.2%	24.8%	0.9%							
All	All	All	1986	25.7	19.8	25.0	21.8	3238		180	114	13.4	0.678	0.0351	42.0			52.6%	9.3%	38.0%	29.8%	16.7%	53.5%			41.4%		32.5%	25.7%	0.4%							
All	All	All	1987	25.9	19.8	25.3	22.0	3221		175	118	13.4	0.710	0.0362	42.1			57.7%	9.6%	32.8%	29.1%	15.5%	55.4%		0.0%	28.4%		39.9%	31.4%	0.3%							
All	All	All	1988	25.9	19.6	25.2	21.9	3283		180	123	13.3	0.726	0.0372	42.9			60.0%	10.5%	29.5%	27.6%	10.2%	62.2%			15.0%		50.6%	34.3%	0.1%							
All	All	All	1989	25.4	19.1	24.8	21.4	3351		185	129	12.5	0.743	0.0382	43.0			60.2%	10.5%	29.3%	24.6%	9.9%	65.5%	0.1%	0.0%	8.7%		57.3%	33.9%	0.1%							
All	All	All	1990	25.2	18.7	24.6	21.2	3426		185	135	11.5	0.781	0.0394	43.5			63.8%	10.1%	26.1%	22.2%	6.5%	71.2%	0.0%	0.0%	2.1%		70.8%	27.0%	0.1%		0.4%					
All	All	All	1991	25.4	18.8	24.7	21.3	3410		184	138	11.4	0.796	0.0402	43.6			59.6%	12.3%	28.1%	23.9%	4.5%	71.6%	0.0%		0.6%		70.6%	28.7%	0.1%		1.7%					
All	All	All	1992	24.9	18.2	24.4	20.8	3512		191	145	11.0	0.807	0.0413	44.1			58.4%	11.2%	30.4%	20.7%	4.5%	74.8%	0.0%		0.5%		81.6%	17.8%	0.1%		3.0%					
All	All	All	1993	25.1	18.2	24.4	20.9	3519		191	147	10.3	0.809	0.0416	44.5			59.9%	11.3%	28.8%	19.8%	3.7%	76.5%	0.0%		0.3%		85.0%	14.6%			3.0%					
All	All	All	1994	24.6	17.8	23.8	20.4	3603		197	152	10.1	0.816	0.0420	44.6			55.6%	15.2%	29.2%	19.5%	3.0%	77.6%			0.1%		87.7%	12.1%	0.0%	26.7%	4.8%					
All	All	All	1995	24.7	17.7	24.1	20.5	3613		196	158	10.1	0.857	0.0438	45.2			57.6%	16.2%	26.3%	17.9%	1.4%	80.7%					91.6%	8.4%	0.0%	35.6%	6.1%					
All	All	All	1996	24.8	17.6	24.0	20.4	3659		197	164	10.4	0.878	0.0447	45.6			60.0%	15.7%	24.3%	15.2%	1.3%	83.5%	0.0%	0.0%			99.3%	0.7%	0.1%	39.3%	7.0%					
All	All	All	1997	24.5	17.4	23.6	20.2	3727		199	169	10.2	0.890	0.0452	45.9			56.1%	19.0%	24.9%	14.0%	0.5%	85.5%	0.0%				99.5%	0.5%	0.1%	39.6%	6.5%					
All	All	All	1998	24.5	17.2	23.6	20.1	3744		199	171	10.4	0.904	0.0457	46.3			56.4%	20.1%	23.5%	12.8%	0.5%	86.7%	0.0%				99.8%	0.1%	0.1%	40.9%	10.1%					
All	All	All	1999	24.1	16.9	23.0	19.7	3835		203	179	10.3	0.921	0.0465	46.5			55.8%	21.3%	22.9%	10.1%	0.5%	89.4%	0.0%				99.9%	0.1%	0.1%	43.4%	10.8%					
All	All	All	2000	24.3	16.9	23.0	19.8	3821		200	181	9.8	0.942	0.0472	46.7			55.5%	20.2%	24.3%	9.7%	0.7%	89.5%	0.0%				99.8%	0.0%	0.1%	44.8%	15.0%	0.0%				
All	All	All	2001	24.2	16.8	22.8	19.6	3879		201	187	9.5	0.968	0.0480	47.3			53.8%	22.0%	24.2%	9.0%	0.6%	90.3%	0.1%				99.9%		0.1%	49.0%	19.6%	0.1%				
All	All	All	2002	24.1	16.6	22.5	19.5	3951		203	195	9.4	0.994	0.0493	47.9			52.7%	25.0%	22.3%	8.2%	0.3%	91.4%	0.2%				99.8%		0.2%	53.3%	25.3%	0.2%				
All	All	All	2003	24.3	16.7	22.7	19.6	3999		204	199	9.3	1.007	0.0496	49.0			50.7%	25.0%	24.3%	8.0%	0.1%	90.8%	1.1%				99.8%		0.2%	55.5%	30.6%	0.3%				
All	All	All	2004	24.0	16.3	22.4	19.3	4111		212	211	9.1	1.026	0.0511	49.7			47.7%	29.8%	22.4%	6.8%	0.3%	91.8%	1.2%				99.9%		0.1%	62.3%	38.5%	0.5%				
All	All	All	2005	24.8	16.8	23.1	19.9	4059		205	209	9.0	1.049	0.0512	50.9			53.0%	26.8%	20.2%	6.2%	0.1%	91.5%	2.3%				99.7%		0.3%	65.6%	45.8%	1.1%				
All	All	All	2006	25.2	17.0	23.4	20.1	4067		204	213	8.9	1.073	0.0522	51.7			51.9%	25.8%	22.3%	6.5%	0.0%	90.6%	2.8%				99.6%		0.4%	71.7%	55.4%	1.5%				
All	All	All	2007	25.8	17.4	24.0	20.6	4093		203	217	8.9	1.099	0.0525	53.4			54.3%	26.1%	19.6%	5.6%	0.0%	87.1%	7.2%			0.2%	99.8%		0.1%	71.7%	57.3%	2.2%				
All	All	All	2008	26.3	17.7	24.4	21.0	4085		199	219	8.9	1.122	0.0529	54.4			54.2%	27.3%	18.5%	5.2%	0.2%	86.8%	7.9%			2.3%	97.6%		0.1%	76.4%	58.2%	2.5%				
All	All	All	2009	28.2	18.9	26.0	22.4	3914		183	208	8.8	1.156	0.0523	55.9			62.9%	23.5%	13.6%	4.8%	0.2%	85.6%	9.4%			4.2%	95.2%		0.5%	83.8%	71.5%	2.3%				
All	All	All	2010	28.4	19.1	26.2	22.6	4001		188	214	8.8	1.160	0.0527	58.3			59.6%	26.7%	13.7%	3.8%	1.2%	84.1%	11.0%			8.3%	91.0%		0.7%	85.5%	83.8%	3.8%				
All	All	All	2011	28.1	18.8	25.9	22.3	4126		192	230	8.5	1.217	0.0549	59.1			53.8%	32.4%	13.8%	3.2%	0.3%	86.5%	10.0%			15.4%	83.8%		0.8%	86.4%	93.1%	2.2%				
All	All	All	2012	29.9	19.9	27.3	23.6	3979		180	222	8.5	1.248	0.0548	61.0			61.4%	27.7%	10.9%	3.6%	1.1%	83.4%	11.9%			22.5%	76.5%		0.9%	91.8%	96.6%	3.4%				
All	All	All	2013	30.7	20.5	28.0	24.2	4003		176	226	8.4	1.310	0.0554	63.7			59.7%	29.1%	11.1%	3.5%	1.4%	80.4%	14.7%			30.5%	68.3%		0.9%	92.8%	97.4%	3.9%				
All	All	All	2014	30.7	20.4	27.9	24.1	4060		180	230	8.3	1.310	0.0557	64.1			55.3%	32.6%	12.1%	2.8%	1.6%	76.7%	19.0%			37.4%	61.3%		1.0%	89.2%	97.6%	3.0%				
All	All	All	2015	31.4	20.9	28.5	24.6	4035		177	229	8.3	1.321	0.0557	65.7			52.9%	36.1%	10.9%	2.6%	1.4%	72.3%	23.7%			41.9%	56.7%		0.9%	91.2%	97.2%	2.7%				
All	All	All	2016	31.6	21.0	28.5	24.7	4035		173	230	8.3	1.361	0.0560	66.1			51.2%	38.3%	10.5%	2.2%	2.6%	72.4%	22.8%			48.0%	51.0%		0.5%	92.3%	98.0%	2.2%				
All	All	All	2017	32.3	21.5	28.9	25.2	4044		171	232	8.2	1.396	0.0561	69.7			51.7%	37.6%	10.8%	2.7%	3.0%	70.2%	24.1%			50.9%	47.7%		0.3%	91.5%	97.7%	4.1%				