

GAME NOS. 932, 933 & 934  
DECEMBER, 1980

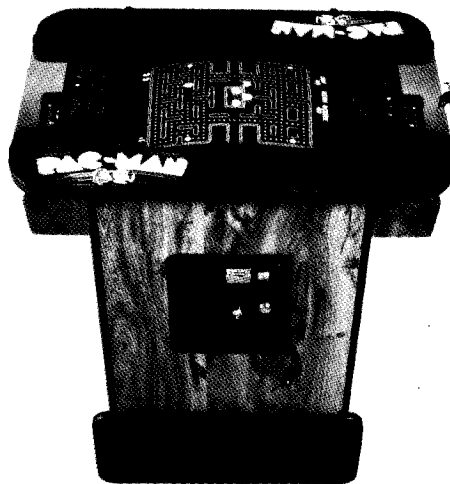
# MIDWAY'S

# PAC-MAN

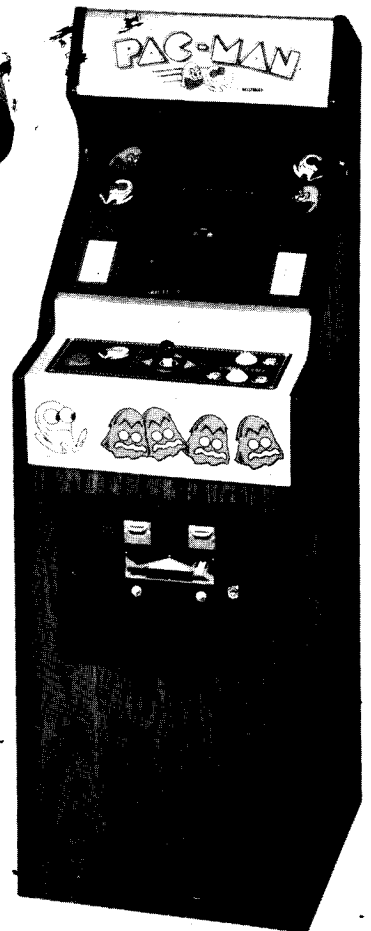
# PARTS AND OPERATING MANUAL



UP-RIGHT #932



COCKTAIL #933



MINI #934

# TABLE OF CONTENTS

---

	Page No.
GENERAL INSTRUCTIONS - UP-RIGHT & MINI	1
GENERAL INSTRUCTIONS - COCKTAIL	2—3
MONITOR ADJUSTMENTS - ELECTROHOME	4—6
MONITOR ADJUSTMENTS - WELLS-GARDNER	7—8
SWITCH ADJUSTMENTS	9
NO. 0932 - PAC-MAN UP-RIGHT - PHOTOGRAPH	10—11
INTERIOR ACCESS PICTURE - UP-RIGHT	12—13
NO. 0934 - PAC-MAN MINI - PHOTOGRAPH	14—15
INTERIOR ACCESS PICTURE - MINI	16—17
CONTROL ASSEMBLY - ALL GAME VERSIONS	18—19
PUSH BUTTON ASSEMBLY - UP-RIGHT & MINI	20—21
DOUBLE ENTRY COIN DOOR ASSEMBLY	22—23
NO. 0933 - PAC-MAN COCKTAIL - PHOTOGRAPH	24—26
COCKTAIL ADDITIONAL PARTS LIST	27
SINGLE ENTRY COIN DOOR ASSEMBLY	28—29
TRANSFORMER BOARD ASSEMBLY	30—31
GAME BOARD SCHEMATIC	32
GAME BOARD COMPONENT LAYOUT "A" VERSION	33
GAME BOARD COMPONENT LAYOUT "B" VERSION	34
GAME LOGIC CHIP NUMBER & FUNCTION	35
Z-80 SYNC BUSS CONTROLLER SCHEMATIC	36
Z-80 SYNC BUSS CONTROLLER COMPONENT LAYOUT	37
V-RAM ADDRESSER SCHEMATIC	38
V-RAM ADDRESSER COMPONENT LAYOUT	39
CREDIT MULTIPLIER SCHEMATIC	40
CREDIT MULTIPLIER COMPONENT LAYOUT	41
WIRING DIAGRAM - UP-RIGHT "A" VERSION	42
WIRING DIAGRAM - UP-RIGHT "B" VERSION	43
WIRING DIAGRAM - MINI "A" VERSION	44
WIRING DIAGRAM - MINI "B" VERSION	45
WIRING DIAGRAM - COCKTAIL	46
19" MONITOR SCHEMATIC - WELLS-GARDNER	47
REPLACEMENT PARTS LIST	48—49
19" MONITOR SCHEMATIC - ELECTROHOME	50
REPLACEMENT PARTS LIST	51—54
13" MONITOR SCHEMATIC - ELECTROHOME	55
REPLACEMENT PARTS LIST	56—59
MODIFICATION OF PAC-MAN GAME P.C.B.	60

## WARNING

**THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY  
RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.**

## GENERAL INSTRUCTIONS FOR "PAC-MAN" UPRIGHT AND MINI

### INSTALLATION

1. Remove shipping cleats located on bottom of cabinet.
2. Install four (4) provided leg levelers to bottom of cabinet and level cabinet.
3. The power is controlled by a switch located on top of the cabinet. Additional taps have been provided on the transformer to compensate for fluctuating line voltage.

### LINE VOLTAGE SAFETY SWITCH

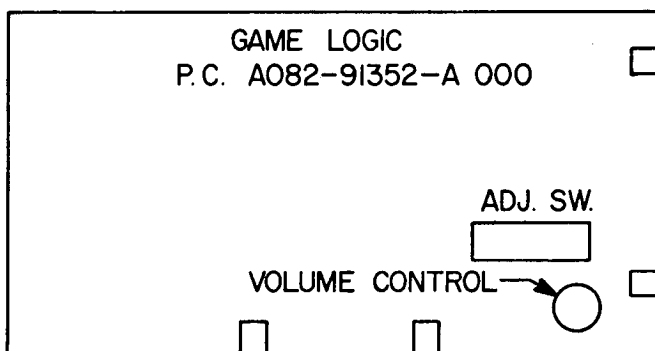
A line voltage safety switch has been provided for your protection. It is located on the right rear side of the cabinet in the back door area. When the back door is removed, it opens the circuit to the line voltage. To restore power (when servicing), pull switch fully out.

### VOLUME CONTROL

The volume control pot is located on the Game Logic Board (P.C. A082-91352-A000). This pot controls the volume of all sounds and may be varied as desired by rotating pot control.

### ADJUSTMENT SWITCHES

Located on Game Logic Board (P.C. A082-91352-A000) and may be adjusted as indicated on separate instruction card in back box area.



### TO REMOVE CONTROL PANEL AND MONITOR DISPLAY GLASS

1. Open coin door.
2. Release two (2) clamps located below Control Panel on each side of cabinet.
3. Disconnect control panel jack.
4. Remove control panel.
5. Remove monitor display glass.

### CREDIT PUSH BUTTON SWITCH

Located in cash box area and is readily accessible by opening coin door. This switch is provided as a test aid and awards one credit without advancing coin meter.

M051-00932-A003

---

**WARNING:** This equipment Generates, Uses and can Radiate Radio Frequency Energy and if not installed and used in accordance with the Instructions Manual, may cause interference to Radio Communications. As temporarily permitted by Regulation it has not been tested for compliance to Subpart J or Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference. Operation of this equipment in a Residential Area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

## GENERAL INSTRUCTIONS FOR "PAC-MAN" COCKTAIL TABLE

### INSTALLATION

1. Remove shipping cleats located on bottom of cabinet.
2. Install four (4) provided leg levelers on bottom of cabinet and level cabinet.
3. The power is controlled by a switch located on the bottom of the cabinet. Additional taps have been provided on the transformer to compensate for fluctuating line voltage.

### LINE VOLTAGE SAFETY SWITCH

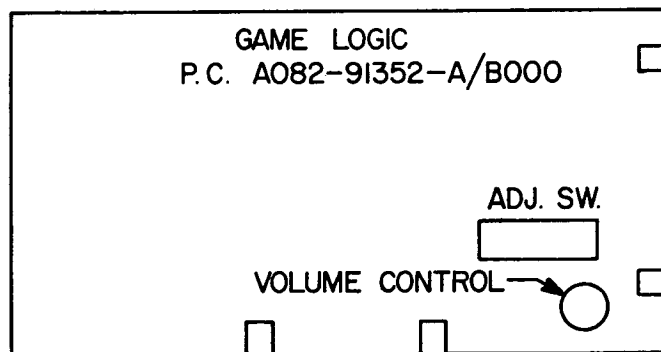
A line voltage safety switch has been provided for your protection. It is located in the cabinet on the left side of the coin door. When the coin door is opened the circuit to the line voltage is interrupted. To restore power (when servicing), pull switch fully out.

### VOLUME CONTROL

The volume control pot is located on the Game Logic Board (P.C. A082-91352-A/B000). The pot controls the volume of all sounds and may be varied as desired by rotating pot control.

### ADJUSTMENT SWITCHES

Located on Game Logic Board (P.C. A082-91352-A/B000) and may be adjusted as indicated on separate instruction card in back door area.



### CREDIT PUSH BUTTON SWITCH

Located to right of cash box and is readily accessible by opening coin door. This switch is provided as a test aid and awards one credit without advancing coin meter.

### TEST SLIDE

Located to right of cash box and is readily accessible by opening coin door. When placed in "ON" position, this switch indicates test mode.

M051-00933-A003

### GAME BOARD TEST

Place test slide switch in "ON" position. If game board is good, the following information will be displayed on the screen:

- OK
- Coin Adjustment Setting
- Bonus Adjustment Setting
- Number of PAC-MAN Per Game Setting
- Game Version

### RAM/ROM TEST

If any of the Rams or Roms are faulty, the following information will be displayed on the screen:

#### BAD ROM LOCATION CODE

Display	Location
M-Rom-0	6E
M-Rom-1	6F
M-Rom-2	6H
M-Rom-3	6J

#### BAD RAM LOCATION CODE

Display	Location
Bad V Ram-0	4K
Bad V Ram-1	4N
Bad C Ram-0	4L
Bad C Ram-1	4P
Bad W Ram-0	4M
Bad W Ram-1	4R

### CONTROL PANEL AND COIN SWITCH TEST

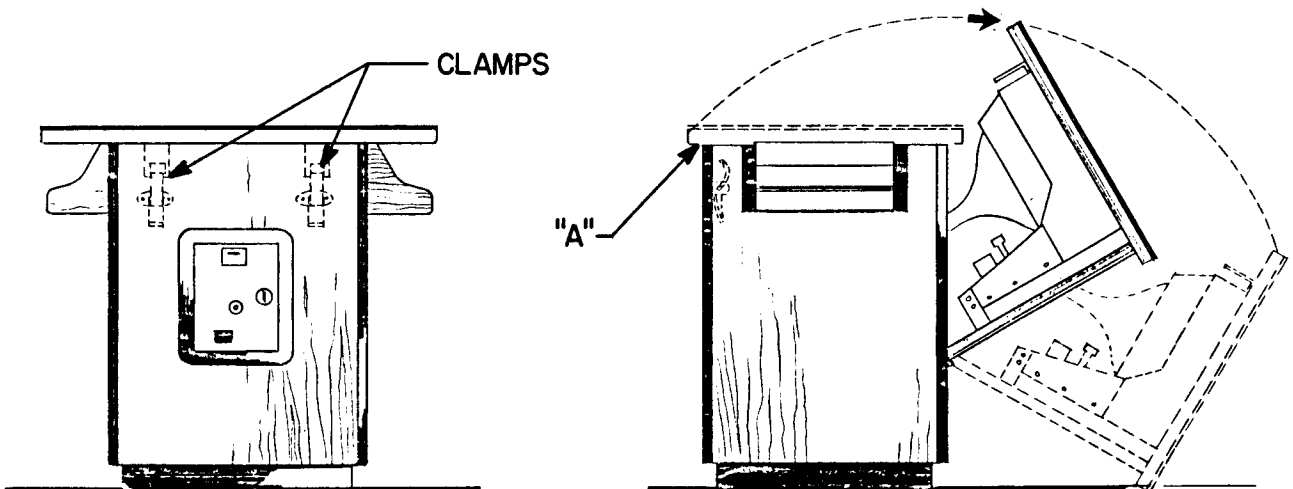
To verify operation of any switch, close switch in question. If switch is operating properly, a game sound will emit when closure is made.

Caution: Be sure to return test switch to game mode when all tests are completed.

### TO SERVICE MONITOR, GAME BOARD AND TRANSFORMER ASSY.

1. Open coin box door and release two (2) clamps indicated on sketch below.
2. Grasp monitor mounting panel at "A" and open as indicated in sketch below.

Caution: Due to the weight of the monitor extreme care must be exercised when opening cabinet for service.



# MONITOR - GENERAL INSTRUCTIONS

## Service Set-Up Procedure

**NOTE:** All monitors are equipped with automatic degaussing coils which effectively demagnetize the picture tube each time the monitor is turned on. The degaussing coils will operate any time the set is turned on after having been off for at least five minutes.

The degaussing effect is confined to the picture tube since the coils are mounted on the ferrous tube shield. Should any part of the chassis or cabinet become magnetized, it will be necessary to degauss the affected area by means of a manual degaussing coil. Move the coil slowly around the CRT face area, then slowly withdraw for a distance of six feet before disconnecting the coil from the AC power supply.

Normally little, if any adjustment should be necessary. However, when a picture tube, yoke or similar component is replaced, preliminary static convergence should be done before attempting purity adjustment, and so on.

Set up should be done in a north/south direction. Horizontal and vertical centering taps should be set to the centre position if a major component has been changed.

### 1.0 Purity

1.1 Loosen yoke retaining clamp (figure 2), remove adhesive material fixing wedges to CRT. Remove wedges completely and clean off dried adhesive from picture tube and wedges.

1.2 A small quantity of "nail polish" has been used to lock the purity convergence rings in place. This seal must be broken with a sharp tipped instrument before any adjustments are attempted. Some models also use a locking ring at either end of the purity and convergence rings. This must be loosened before adjustments are made. It goes without saying that upon completion of all adjustments, the lock must be reset and/or a dab of paint or nail polish must be re-applied to edge of rings to prevent movement.

1.3 Connect an appropriate signal source, eg: Electro-home RGB generator producing a white field plus individual red, green and blue fields.

1.4 Bring the long and short purity tab protrusions in line with each other to obtain near-zero magnetic field (figure 4) (In some cases bring the flat and indented tabs together to obtain zero field). Protrusions can then be vertical, horizontal or at any convenient angle to start.

1.5 Turn off the green and blue fields and adjust setup controls to produce a red field. (See fig. 3)

1.6 Pull the deflection yoke back so that a red band appears in the centre of the screen.

1.7 Spread the tabs apart as little as necessary and rotate both rings together to center the red band horizontally on the face of the CRT (approximate). (See Fig. 5)

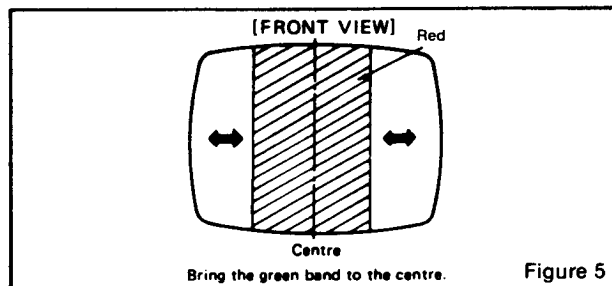
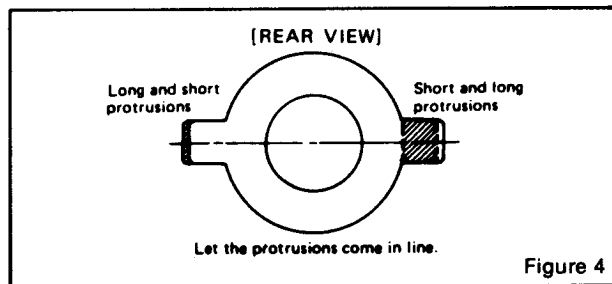
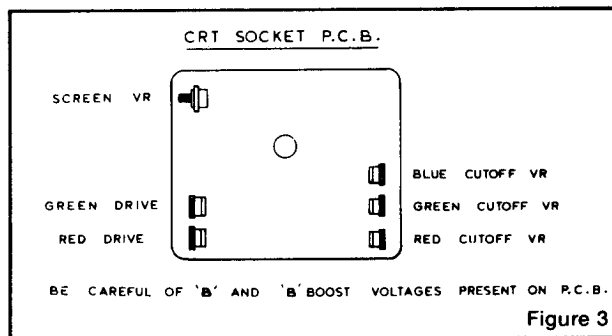
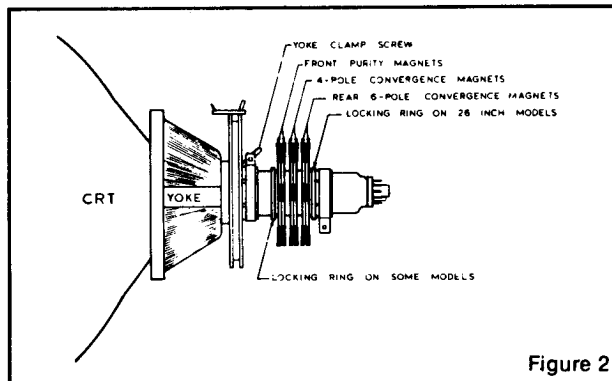
1.8 Slide the yoke towards the bell of the picture tube slowly to obtain a uniform red field (pure in color) across the entire tube face. Juggle back and forth slightly as necessary. Lightly tighten yoke retaining clamp.

1.9 Momentarily switch on a cross-hatch signal and rotate yoke to level the pattern on the face of CRT.

1.10 Return generator to regain red raster.

1.11 Turn off red field and check for pure field for each of the green and blue fields. Reposition yoke if necessary to obtain optimum purity on all fields.

1.12 Tighten yoke retaining clamp to prevent yoke shift or rotation. (Do not install wedges at this time.)



## 2.0 Static and Dynamic Convergence

NOTE: Static convergence is achieved by four magnets located on the neck, nearest the base of the picture tube, Fig. 2. The middle pair of magnetic rings are adjusted to converge the blue and red crosshatch lines. The rear pair of convergence rings (closest to the base of the picture tube) are adjusted to converge the magenta (blue/red) to the green crosshatch lines. Dynamic convergence is achieved by tilting the deflection yoke up-down and left-right.

2.1 Ensure that the controls misadjusted during purity setup (screen, cut-off, etc.) are set to give white balance. See 3.0 below.

2.2 Switch generator to the crosshatch pattern.

2.3 Adjust convergence around the edges of the picture tube by tilting the yoke up-down and left-right, and temporarily install one wedge at the top of the yoke or in a more optimum position. (Figures 8, 9, 10)

2.4 Turn off green input and turn on the red and blue input.

2.5 Rotate the 4-pole (middle) pair of magnets as a unit to minimize separation of the red and blue crosshatch lines around the center of the screen (Figure 6). Variation of the angle between the tabs adjusts convergence of red and blue. (Tilt yoke as required to converge red and blue at the edges as in 2.3 above.)

2.6 Turn on green input to obtain magenta (red/blue) and green crosshatch lines. Rotate the 6-pole (rear) pair of magnets as a unit to minimize separation of the magenta and green lines (figure 7). Vary angle between the two tabs and further rotate as a unit to finalize.

2.7 When convergence of 3 colors is optimized (static in center and dynamic around edges) apply stripe of paint or nail polish to convergence magnet rings to prevent movement. If applicable, tighten locking ring carefully.

2.8 Remove temporary wedge from yoke. Tilt yoke in up-down and left-right direction for best circumference convergence and install 3 wedges. (It is best to use 3 new wedges since they have adhesive backing. Simply pull off tape, slide wedge in place and press outer flap down firmly. For more permanency apply small quantity of silastic or similar material at junction of wedges and picture tube. Do not disturb while material is setting. (Order wedges by part number 39-1233-01).

### 3.0 White Balance (Grey Scale Tracking)

Refer to figure 3. Do the following in subdued light:

3.1 Note this adjustment can be accomplished with no signal connected; eg: input connector open or if a signal generator is connected, switch off all 3 inputs at the generator.

3.2 Set red and green drive controls to their mechanical center and turn the common G2 screen control and 3 cut-off controls to minimum (fully counterclockwise).

3.3 Slowly turn up G2 screen control until the first faint color appears, then back off to edge of visibility. Do not touch the associated cut-off control - it should stay fully CCW for the remaining set-up.

3.4 Slowly turn up the other two color cut-off controls in turn to match the first. This should result in the faintest grey.

3.5 Turn on the signal generator with all 3 inputs on. (a crosshatch pattern would be appropriate).

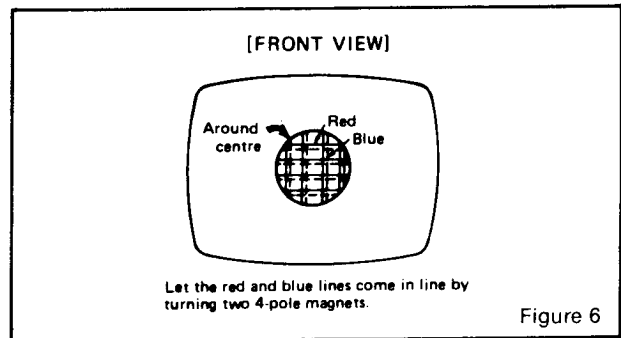


Figure 6

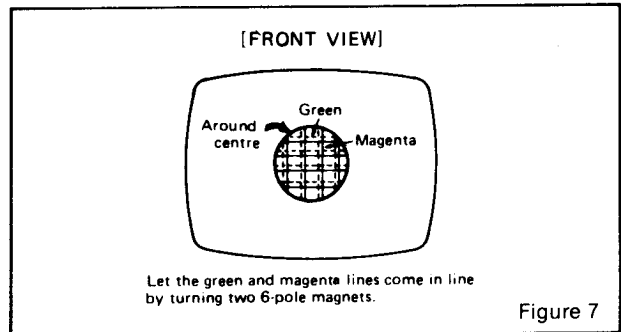


Figure 7

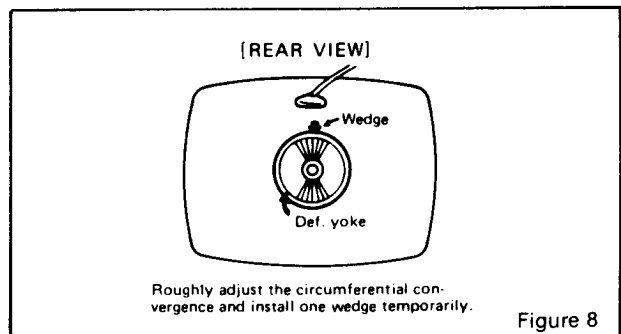


Figure 8

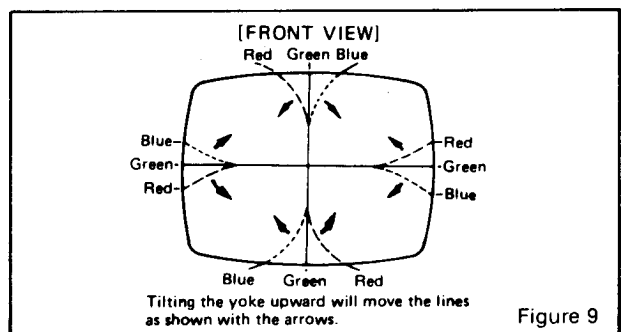


Figure 9

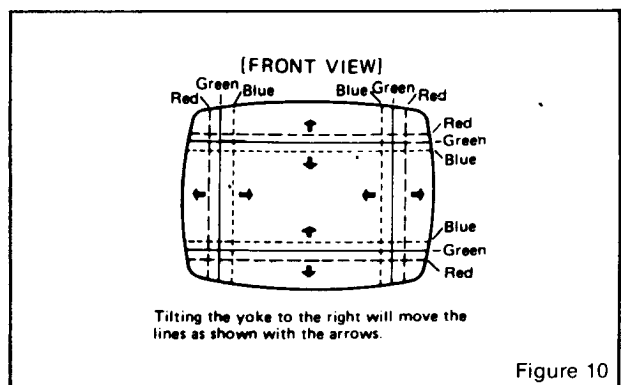


Figure 10

- 3.6 Adjust the red and green drive controls for "neutral white" on high white picture areas. Generally these controls will be left at mech. centre.
- 3.7 Note: When monitor is re-connected with the game the screen control (G2) may require a slight adjustment to obtain proper black level. (the black portion of picture just extinguished).

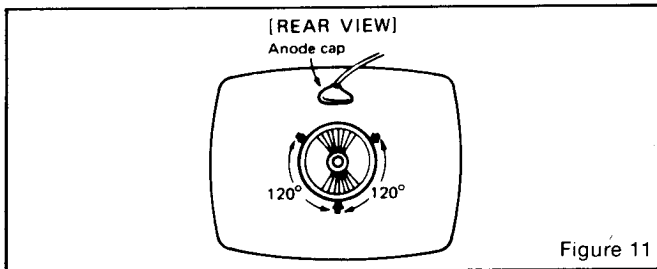


Figure 11

#### 4.0 Power Supply

The regulated +B1 control (R909) has been factory adjusted and normally requires no adjustment. However, if any repairs have been made to the chassis it is recommended that this adjustment should be made.

- Allow 5 minutes to warm up.
- No signal applied.
- Connect an accurate D.C. voltmeter to TP-91 or the emitter of X04 power regulator transistor.
- Adjust R909 for 120V. (See fig. 1)

#### Note:

Should +B1 control be set too high, it may cause possible component damage. Use an accurate D.C. voltmeter to set B1 (B+).

#### 5.0 Focus

Adjust focus control for best overall definition and picture detail an average signal applied. (Highlights should be favoured.)

#### 6.0 Color Service Generator for G07 Monitor

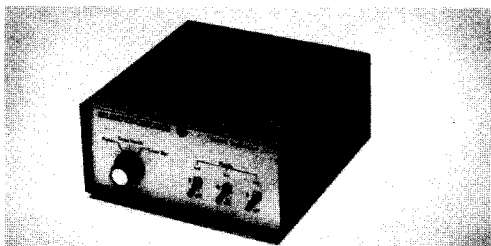
Electrohome has developed a color service generator that is specifically designed for use with the G07 color data monitor. It provides the monitor with both horizontal and vertical sync, as well as the following test patterns:

- Fine cross-hatch pattern
- Broad bar cross-hatch pattern
- Complete field

Three color selection switches, red, green and blue, provide the ability to display the above patterns in the three primary colors as well as the three secondary colors.

This product may be ordered from:

Contracts Marketing  
ELECTROHOME Electronics  
809 Wellington St. North  
Kitchener, Ontario  
Canada N2G 4J6  
Telephone: (519) 744-7111, Ext. 567



#### 7.0 X-Ray Emission Check

- Assure the power supply B1 is properly adjusted to 120V DC. See Item 4.0 (page 8)
- Assure that the anode voltage does not exceed max. as per Item 2.0 page 4.
- Assure that the high voltage hold down circuit is operating correctly. Use the following procedure.
  - Increase the B1 greater than 138.5V by shorting collector/emitter of the power regulator, X04.
  - Observe that the anode voltage (EHT) goes to 0. If the EHT does not go to 0, a fault must be located and repaired.
  - Remove short and set should return to normal operation. (Note, after the short is removed some monitors may not restart. In this case, remove power from monitor momentarily and normal operation will be restored.

#### Note:

The protector circuit consists of the components shown below in Fig. 13 with a circuit description.

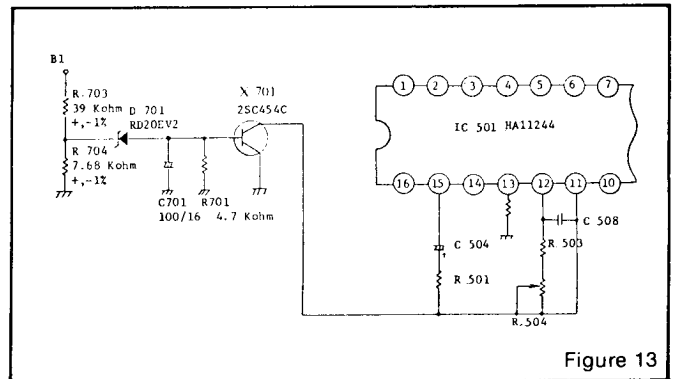


Figure 13

#### 8.0 Circuit Diagram and Description of High Voltage Hold Down or Safety Circuit

8.1 Circuit Diagram of High Voltage Hold Down Circuit.

8.2 Operation of High Voltage Hold Down Circuit.

The high voltage hold-down circuit protects the high voltage circuit from dangerous voltage with short circuiting between emitter and collector of power regulating transistor.

The base voltage of X701 is increased when the B1 voltage is increased more than 138.5 V DC.

When the base of X701 is increased, a short is produced by X701 between pin 11 and ground of IC 501, shutting down the horizontal osc. and high voltage.



# INSTALLATION AND SERVICE INSTRUCTIONS

## COLOR PURITY AND VERTICAL CENTERING ADJUSTMENT

For best results, it is recommended that the purity adjustment be made in the final monitor location. If the monitor will be moved, perform this adjustment with it facing west or east. The monitor must have been operating 15 minutes prior to this procedure and the faceplate of the CRT must be at room temperature.

The monitor is equipped with an automatic degaussing circuit. However, if the CRT shadow mask has become excessively magnetized, it may be necessary to degauss it with manual coil. Do not switch the coil OFF while the raster shows any effect from the coil.

Purity Magnets are used for Color Purity and V Centering Adjustment.

Purity Adjustment procedure is as follows.

1. Remove R-G-B signal from monitor.
2. Turn Green Cut off Control (VR404) on the Neck Board fully CCW.  
Turn Red and Blue Cut off Control (VR405) fully CW.
3. Pull the Deflection Yoke backward so that the Magenta belt will appear. (See Fig. 4)
4. Move the two Purity Magnets and bring the Magenta belt to the mechanical center of the screen (See Fig. 5) The vertical center position should be set VRS to  $-5/64$ " ( $-2$  mm) as shown in Fig. 6.  
Insert service tip "N" on Neck circuit board to "S" on Vert./Horiz. circuit board (See Fig. 13). To check, use the Green raster at low intensity. Be sure to return the service tips to their original positions for the next check.
5. Push the Deflection Yoke forward gradually and fix it at the place where the Magenta screen becomes uniform throughout.
6. Turn Cut off Control, and Drive Control and confirm that each color is uniform.
7. If the color is not uniform, re-adjust it moving Purity Magnets slightly.
8. Move a pair of Purity Magnets at the same time (do not change the angle of the pair), and adjust the vert. center to center of screen.
9. Obtain the three colors and confirm whether white uniformity is balanced.
10. Insert the temporary wedge as shown in Fig. 5 and adjust the angle of Deflection Yoke.

## STATIC CONVERGENCE ADJUSTMENT

A recently developed Deflection Yoke and Electron Guns construction has been used on this equipment in combination with In-Line Guns and Black Stripe Screen to make a barrel-type magnetic-field distribution for vertical deflection and a pin-cushion-type magnetic field for horizontal deflection with which a self-converging system can be obtained. This type is different from conventional unity-magnetic field distribution type deflection yoke. 4-Pole Magnets and 6-Pole Magnets are

employed for static convergence instead of a Convergence Yoke.

1. A cross hatch signal should be connected to the monitor.
2. A pair of 4-Pole Convergence Magnets are provided and adjusted to converge the blue and red beams. When the Pole opens to the left and right  $45^\circ$  symmetrically, the magnetic field maximizes. Red and blue beams move to the left and right oppositely (See Fig. 7-a and 7-b). Variation of the angle between the tabs adjusts the convergence of red and blue vertical lines.  
When the both 4-Pole Convergence Magnet Tabs are rotated as a pair, the convergence of the red and blue horizontal lines is adjusted.
3. A pair of 6-Pole Convergence Magnets are also provided and adjusted to converge the magenta (red + blue) to green beams.  
When the Pole opens to the left and right  $30^\circ$  symmetrically, the magnetic field is maximized. Red and blue beams both move to the left and right (See Fig. 8-c and 8-d).  
Variation of the opening angle adjusts the convergence of magenta to green vertical lines. When both 6-Pole Convergence Magnet Tabs are rotated as a pair the convergence of magenta to green horizontal lines is adjusted.

## PRECISE ADJUSTMENT OF DYNAMIC CONVERGENCE (See Fig. 10 and 11)

1. Feed a cross hatch signal to the monitor.
2. Insert the temporary wedge and fix Deflection Yoke so as to obtain the best circumference convergence (See Fig. 10 and 11).  
NOTE:  
The temporary wedges may need to be moved during adjustments.
4. Insert three rubber wedges to the position as shown in Fig. 9 to obtain the best circumference convergence.

NOTE:

- 1) Tilting the angle of the yoke up and down adjusts the crossover of both vertical and horizontal red and blue lines. See Fig. 10 (a) and (b).
- 2) Tilting the angle of the yoke sideways adjusts the parallel convergence of both horizontal and vertical lines at the edges of the screen. See Fig. 11-a and b.
- 3) Use three rubber wedges (thick and thin rubber wedges are used for a purpose).
- 4) The angle of each rubber wedges are shown in Fig. 9.
- 5) After three rubber wedges have been inserted, pull out the temporary wedge.
- 6) Fix the rubber wedges with chloroprene rubber adhesive.

# INSTALLATION AND SERVICE INSTRUCTIONS

## BLACK AND WHITE TRACKING (With R/G.B. inputs grounded)

1. Set Black Level Control (VR201) to mid point.
2. Set Red and Blue Drive Controls (VR401 & VR402) to their mechanical center.
3. Set the G2 Screen Control (VR406) and the 3 Cut-off Controls (VR403, VR404, & VR405) to minimum

(CCW).

4. Slowly turn up G2 screen control until the first faint color appears.
5. Slowly turn up the other two color cut-off controls in turn to match the first.
6. Remove ground from R/G/B inputs. Adjust Red and Blue Drive Controls (VR401 & VR402) for white screen.

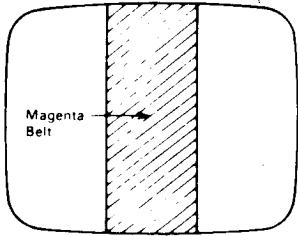


FIGURE 4

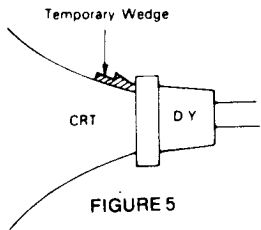


FIGURE 5

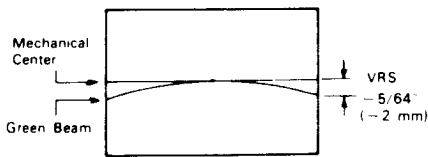
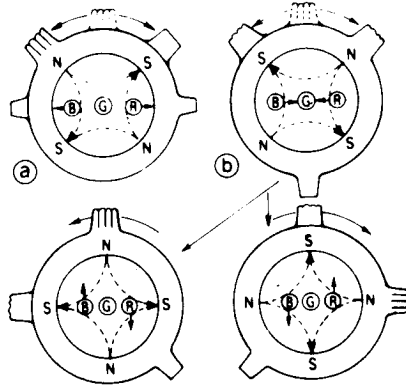
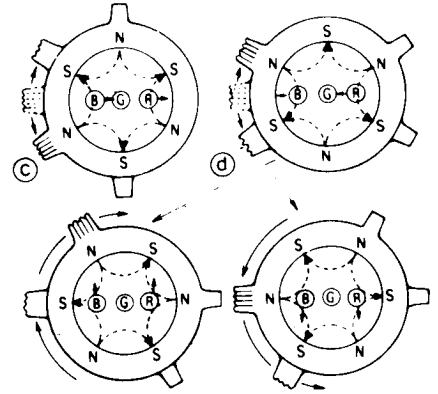


FIGURE 6



4-Pole Magnets and the Movement of Beams

FIGURE 7



6-Pole Magnets and the Movement of Beams

FIGURE 8

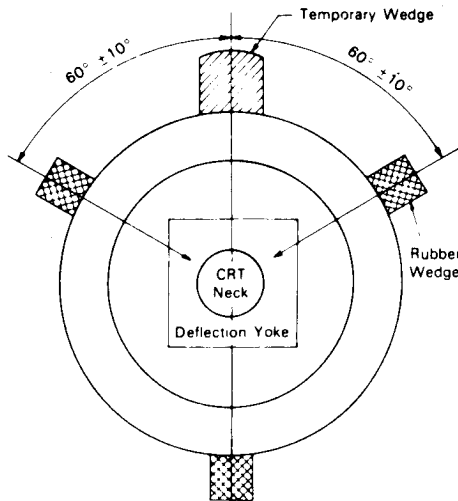
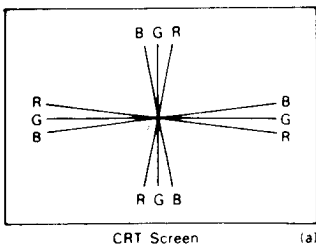
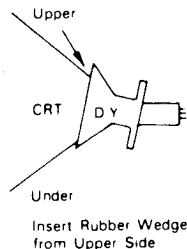


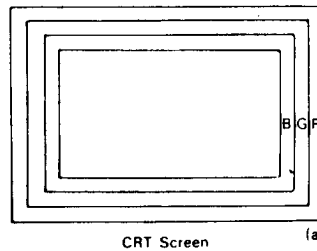
FIGURE 9



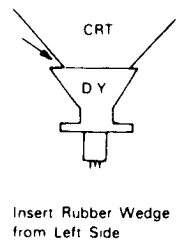
CRT Screen (a)



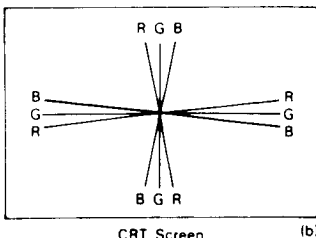
Insert Rubber Wedge from Upper Side



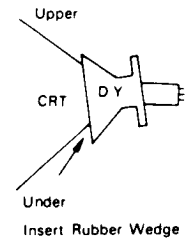
CRT Screen (a)



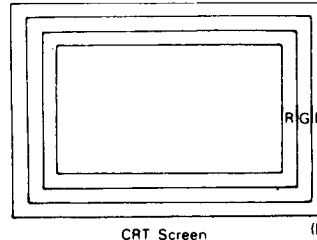
Insert Rubber Wedge from Left Side



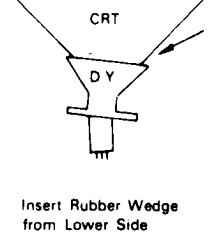
CRT Screen (b)



Insert Rubber Wedge from Lower Side



CRT Screen (b)



Insert Rubber Wedge from Lower Side

FIGURE 10

FIGURE 11

---

**METHOD OF PLAY**

---

SW. #1	SW. #2		
OFF	ON	1 COIN	1 PLAY
ON	OFF	1 COIN	2 PLAY
OFF	OFF	2 COINS	1 PLAY
ON	ON		FREEPLAY

---

**NUMBER OF PACKMEN PER GAME**

---

SW. #3	SW. #4	
ON	ON	1 PACKMAN
OFF	ON	2 PACKMEN
ON	OFF	3 PACKMEN
OFF	OFF	5 PACKMEN

---

**BONUS PACKMEN**

---

SW. #5	SW. #6	
ON	ON	BONUS PACKMAN AT 10,000
OFF	ON	BONUS PACKMAN AT 15,000
ON	OFF	BONUS PACKMAN AT 20,000
OFF	OFF	NO BONUS

---

SW. #7	SW. #8	
OFF	OFF	PLAY MODE
ON	OFF	RACK TEST
OFF	ON	LOCKS PICTURE

---

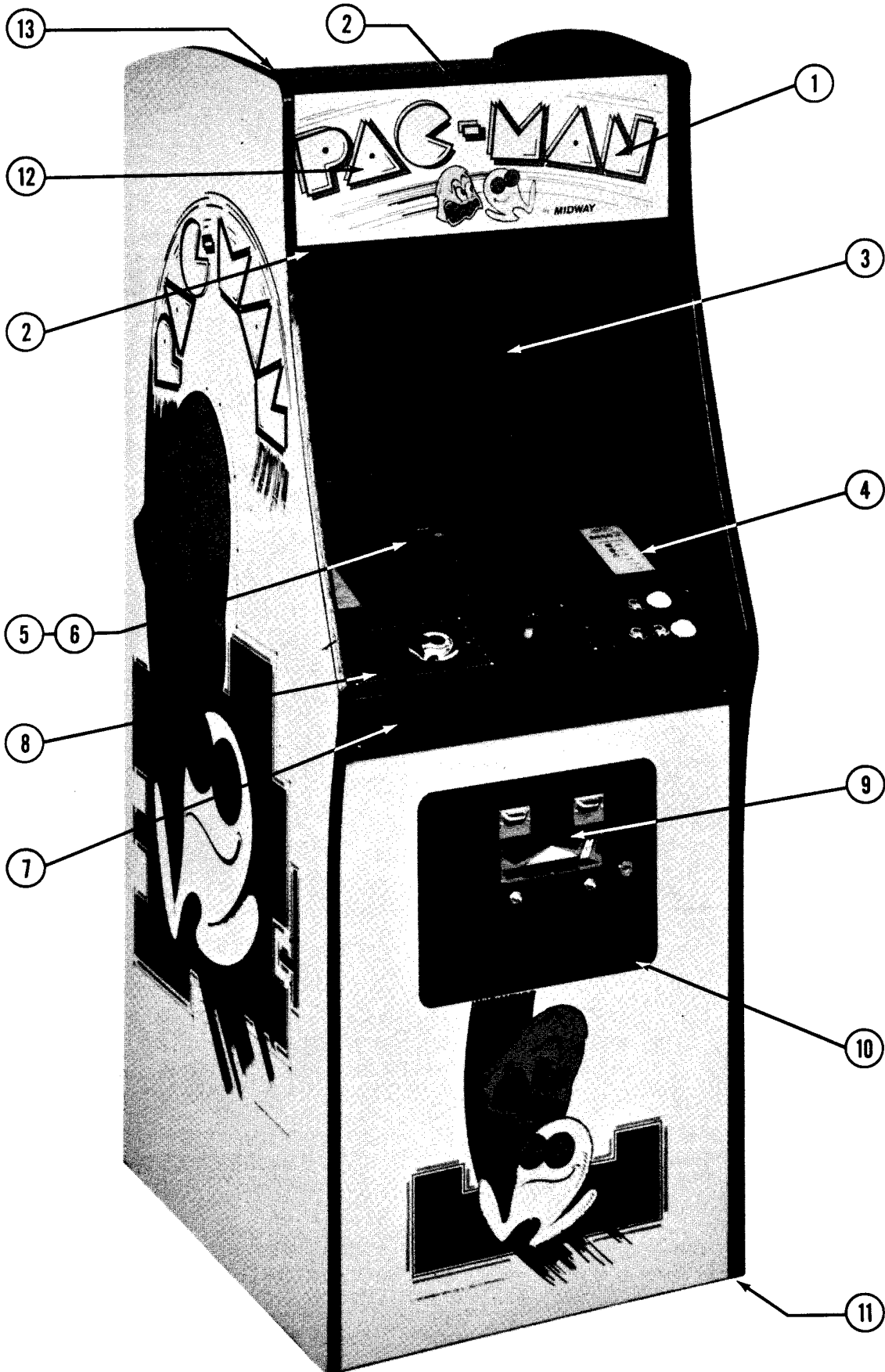
M051-00932-A035

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

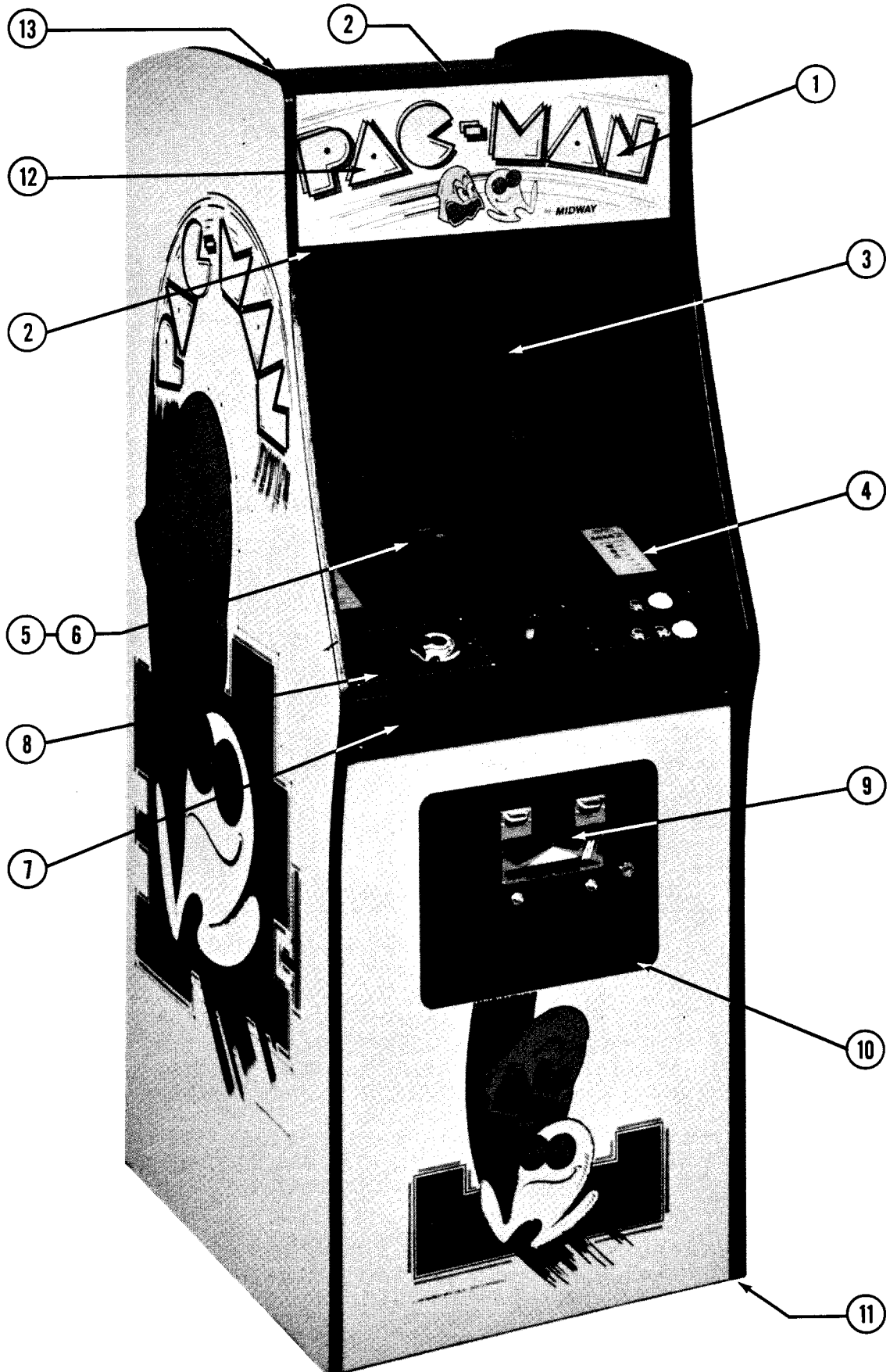
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

NO. 932 - PAC-MAN UP-RIGHT - PHOTOGRAPH



**MIDWAY MFG. CO.**  
A BALLY COMPANY

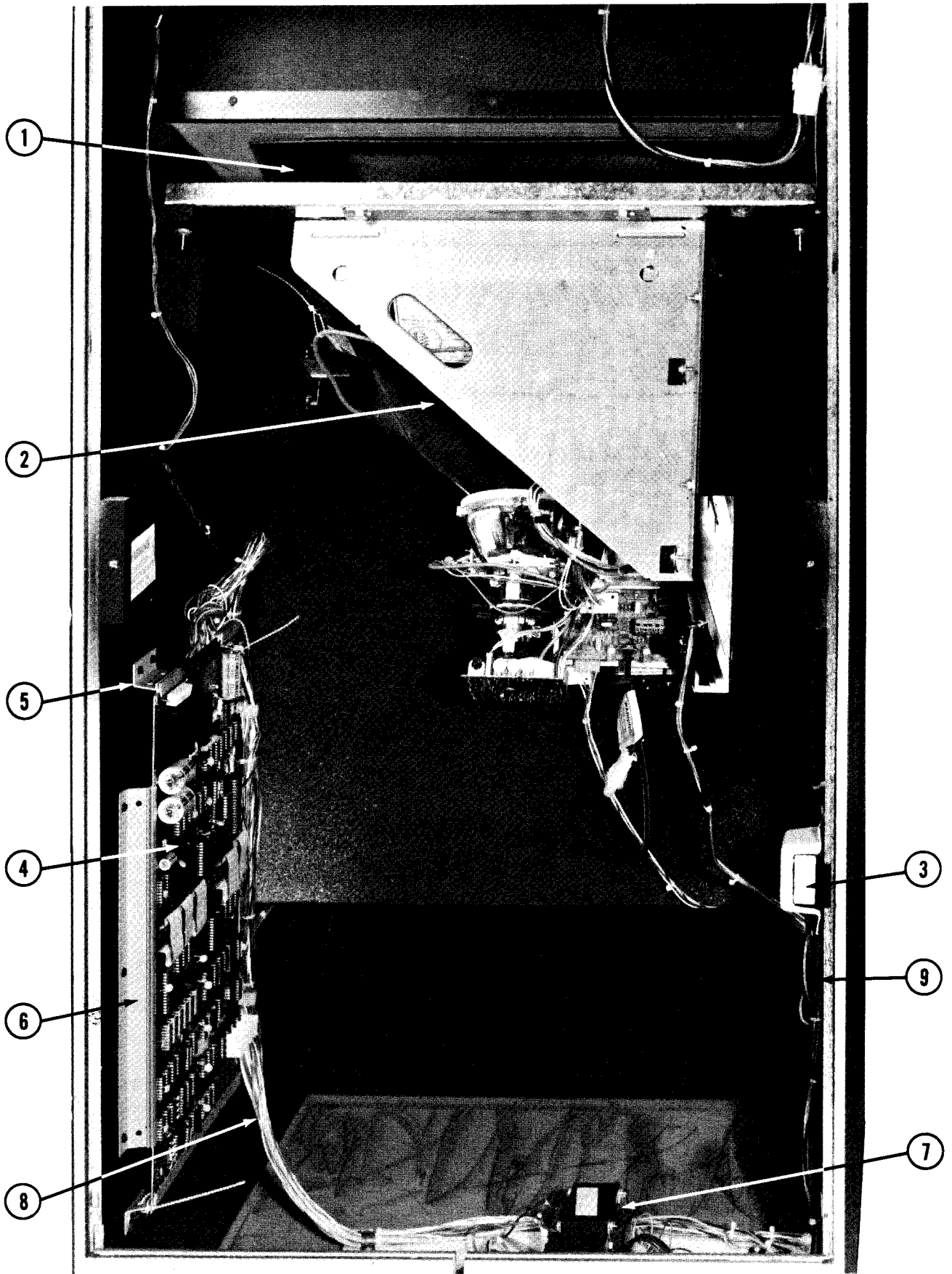
NO. 932 - PAC-MAN UP-RIGHT - PHOTOGRAPH



NO. 932 - PAC-MAN UP-RIGHT - PHOTOGRAPH  
**ORDER BY PART NUMBER ONLY**

ITEM	PART N <sup>o</sup>	DESCRIPTION
1	0932-00901-00XF	UPPER DECORATIVE PLEX—23'' x 9-1/16'' x 3/16''
2	0866-00103-00XF	PLEXI RETAINING BRKT. (2 REQ'D.)
	0017-00101-0066	#10 x 5/8 PHIL. PAN HD. SCREW (6 REQ'D.)
3	0017-00009-0393	BLACK SPEAKER GRILL W/4, 1-1/2'' SCREWS
	0017-00003-0187	6'' x 9'' SPEAKER 8 OHM, 9W.
4	0932-00900-00XF	MAIN DISPLAY GLASS - 23'' x 16-3/8'' x 3/16''
	M052-00050-0005	FOAM TAPE - 1/4 x 23'' LG.
5	A866-00064-0000	T.V. BEZEL & PLEXI ASSY.
6	0017-00003-0339	19'' COLOR MONITOR & CHASSIS W/YOKE - ELECTROHOME
7	0932-00100-00XF	CONTROL SHELF OVERLAY
	0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT (6 REQ'D.)
	0017-00104-0022	STL. FLAT WASHER (6 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (6 REQ'D.)
	0017-00101-0775	#6 x 1/2 PHIL. PAN HD. SCR. (2 REQ'D.)
8	0932-00903-0000	DECORATIVE CONTROL PANEL
9	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
10	0090-00002-02BK	COIN DOOR FRAME
11	0017-00102-0048	3/8-16 x 2'' LEG LEVELER (4 REQ'D.)
	0017-00103-0026	3/8-16 HEX NUT (4 REQ'D.)
12	A866-00068-0000	DISPLAY LAMP BRKT. ASSY. (2 REQ'D.) LOCATED BEHIND ITEM # 1
	0866-00113-0000	SOCKET MTG. BRKT. (2 REQ'D)
	0017-00003-0135	LAMP SOCKET (2 REQ'D)
	0017-00003-0309	LAMP 12V., 25W. (2 REQ'D.)
	0017-00101-0626	#8-32 x 3/4 SLT. PAN HD. M.S. (4 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
13	0586-00036-0000	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00101-0025	#8 x 1/2 STL. HEX HD. WD. SCR. (4 REQ'D.)

**NO. 932 - PAC-MAN UP-RIGHT - INTERIOR ACCESS PICTURE**



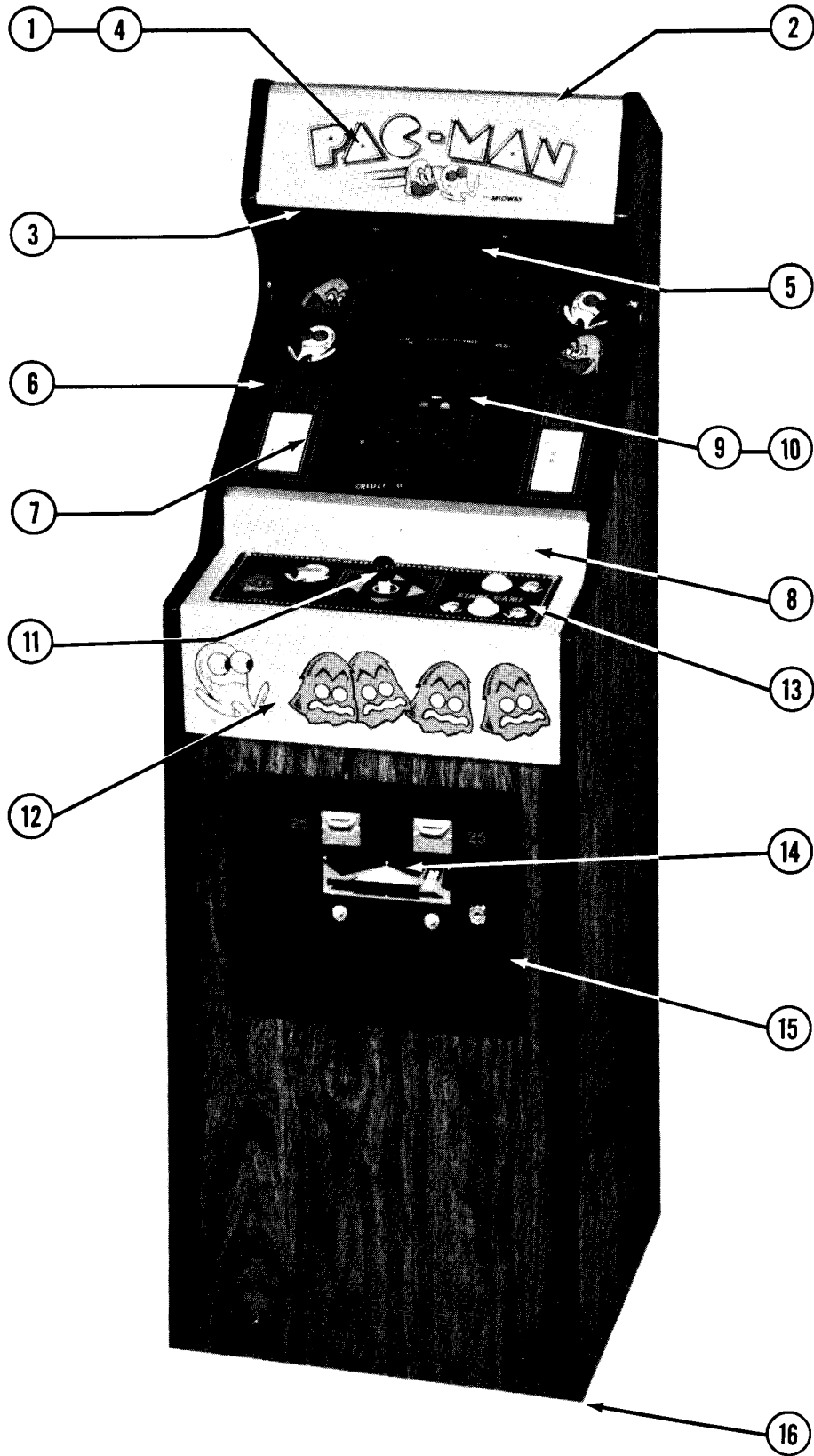
NO. 932 - PAC-MAN UP-RIGHT - INTERIOR ACCESS PICTURE

*ORDER BY PART NUMBER ONLY*

ITEM	PART NO	DESCRIPTION
1	A866-00064-0000	T.V. BEZEL & PLEXI ASSY.
2	A866-00202-0000	COLOR MONITOR & MTG. CHANNEL ASSY.
	0017-00101-0115	#8-32 x 2" HEX MACH. SCR. (5 REQ'D.)
	0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT
	0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLT (4 REQ'D.)
	0017-00104-0022	#8 WASHER (10 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT SEMS (10 REQ'D.)
3	A866-00035-00XF	INTERLOCK SW. BRKT. ASSY.
	0017-00032-0071	INTERLOCK SWITCH
4	A082-91375-B000	GAME LOGIC P.C. ASSY.
5	0624-00902-0300	P.C. SUPPORT BRKT. - 2-1/2 IN. (3 REQ'D.)
6	0624-00902-0100	P.C. SUPPORT BRKT. - 12 IN. (2 REQ'D.)
	0017-00101-0017	#6 x 1/2 BLK. SLT. HEX HD. SCR. (17 REQ'D.)
7	A932-00020-0000	TRANSFORMER BOARD ASSY.
8	A932-00005-0000	HIGH VOLTAGE CABLE ASSY.
	A932-00006-0000	LOW VOLTAGE CABLE ASSY.
	A932-00010-0000	CONTROL SHELF CABLE ASSY.
	A932-00019-0000	COIN DOOR CABLE ASSY.
9	A082-91109-C000	CREDIT MULTIPLIER BY-PASS P.C. BRD. ASSY.
		<u>ADDITIONAL PARTS LIST</u>
	0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
	0603-00131-0000	STRIKE (2 REQ'D.)
	A866-00036-0000	TEST SWITCH & BRKT. ASSY. (MOUNTED ON BACK OF COIN DOOR)
	0017-00009-0477	CASH BOX-MOLDED
	A905-00026-0000	CASH BOX COVER ASSY.
	A624-00001-0000	CASH BOX GUIDE BRKT. ASSY.
	0624-00101-0000	CASH BOX GUIDE BRKT.
	0017-00101-0628	#8-32 x 3/4" CARRIAGE BOLT (4 REQ'D.)
	0017-00104-0022	#8 WASHER (4 REQ'D.)
	0017-00103-0061	#8-32 LOCK NUT SEMS (4 REQ'D.)
	A097-00001-0000	LOCK ASSY. - BACK DOOR
	0017-00009-0490	VENT GRILL - 5-5/8" SQ. (2 REQ'D.)
	0866-00905-0000	FISHPAPER SHIELD 4 IN. SQ.
	0866-00906-0000	FUSE SHIELD - TRANSFORMER BOARD



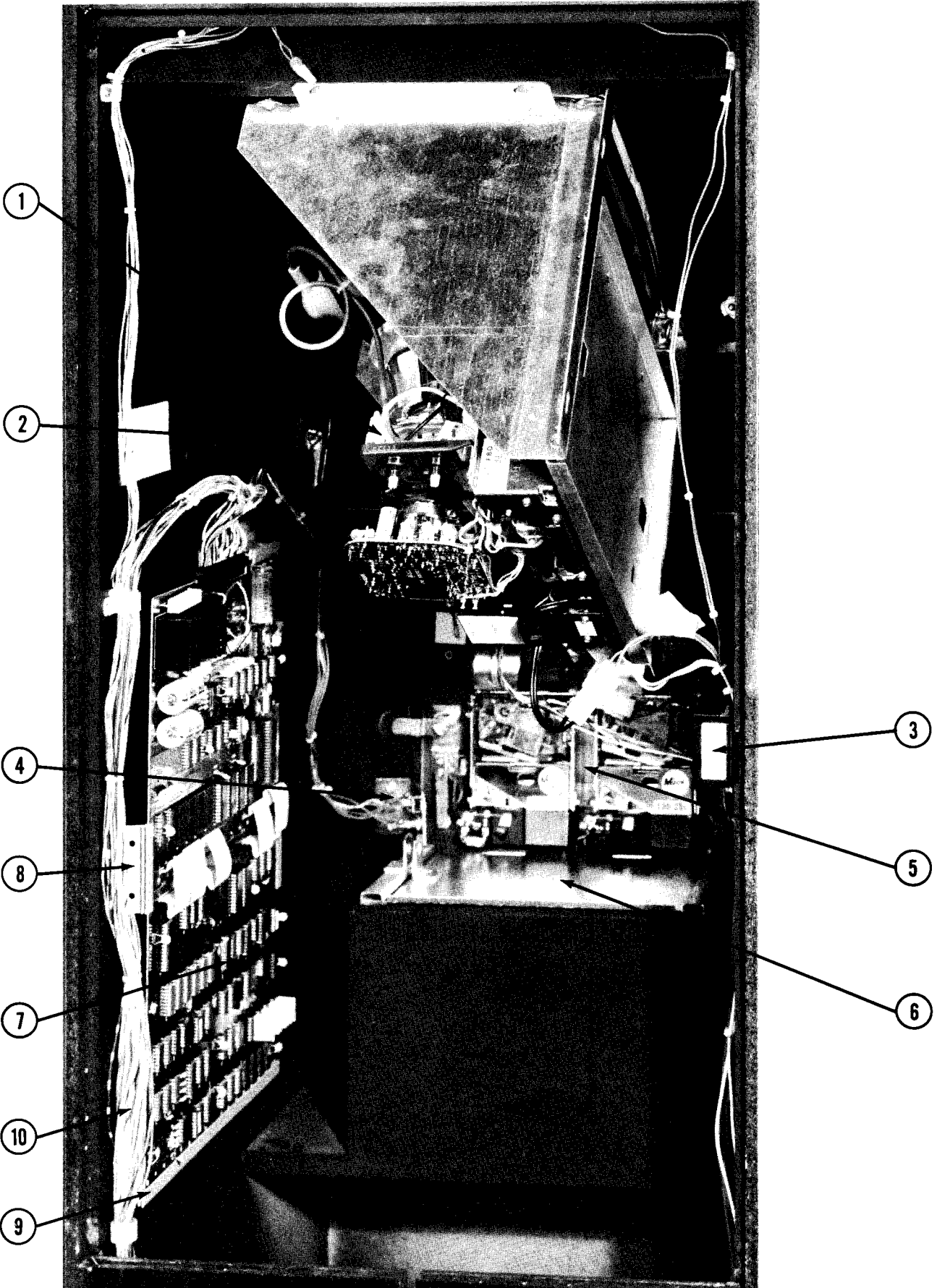
**NO. 934 - PAC-MAN MINI - PHOTOGRAPH**



**ORDER BY PART NUMBER ONLY**

ITEM	PART NO	DESCRIPTION
1	0934-00900-00XF	DISPLAY PLEXI (TOP) 17-3/16" x 5-3/4" x 3/16"
2	0905-00115-00XF	TOP BRACKET
3	0905-00116-00XF	BOTTOM BRACKET
	0017-00101-0117	#8 x 5/8 PHIL. TRS. HD. M.S. (6 REQ'D.)
	0017-00101-0789	#10-32 x 3/4 HEX BUTTON HD. SCR. (2 REQ'D.)
4	A934-00012-0000	INSERT ASSEMBLY
	0017-00003-0219	#194 WEDGE BASE LAMP 14V. 27A. (5 REQ'D.)
	0017-00031-0030	LIGHT SOCKET (5 REQ'D.)
5	A762-00028-0000	SPEAKER ASSY.
	0017-00009-0393	BLACK RECT. SPEACKER GRILL
	0017-00101-0642	#8-32 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	0905-00903-0100	GLASS EDGE CHANNEL - 14-1/2" LG. (2 REQ'D.)
7	0934-00902-00XF	MAIN DISPLAY GLASS - 17-13/16" x 13-1/8" x 3/16"
8	0934-00100-0000	GLASS CLAMPING PLATE
	0017-00101-0789	#10-32 x 3/4 HEX BUTTON HD. SCR. (2 REQ'D.)
9	A934-00007-0000	T.V. BEZEL ASSY. W/GREY PLEXI
10	0017-00003-0340	13" COLOR DUAL SYNC. HORIZ. MONITOR & CHASSIS - ELECTROHOME
11	A932-00008-0000	CONTROL ASSEMBLY
12	0934-00101-00XF	CONTROL PLATE
	0017-00101-0117	#8 x 5/8 PHIL. TRS. HD. SCR. (2 REQ'D.)
13	0934-00904-0000	CONTROL SHELF OVERLAY
	0017-00101-0118	#8-32 x 1-1/8 CARRIAGE BOLT (4 REQ'D.)
	0017-00104-0030	#8 WASHER (4 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
14	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
15	0090-00002-02BK	COIN DOOR FRAME
16	0017-00102-0048	3/8-16 x 2" LEG LEVELER (4 REQ'D.)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUT (4 REQ'D.)

**NO. 934 - PAC-MAN MINI - INTERIOR ACCESS PICTURE**

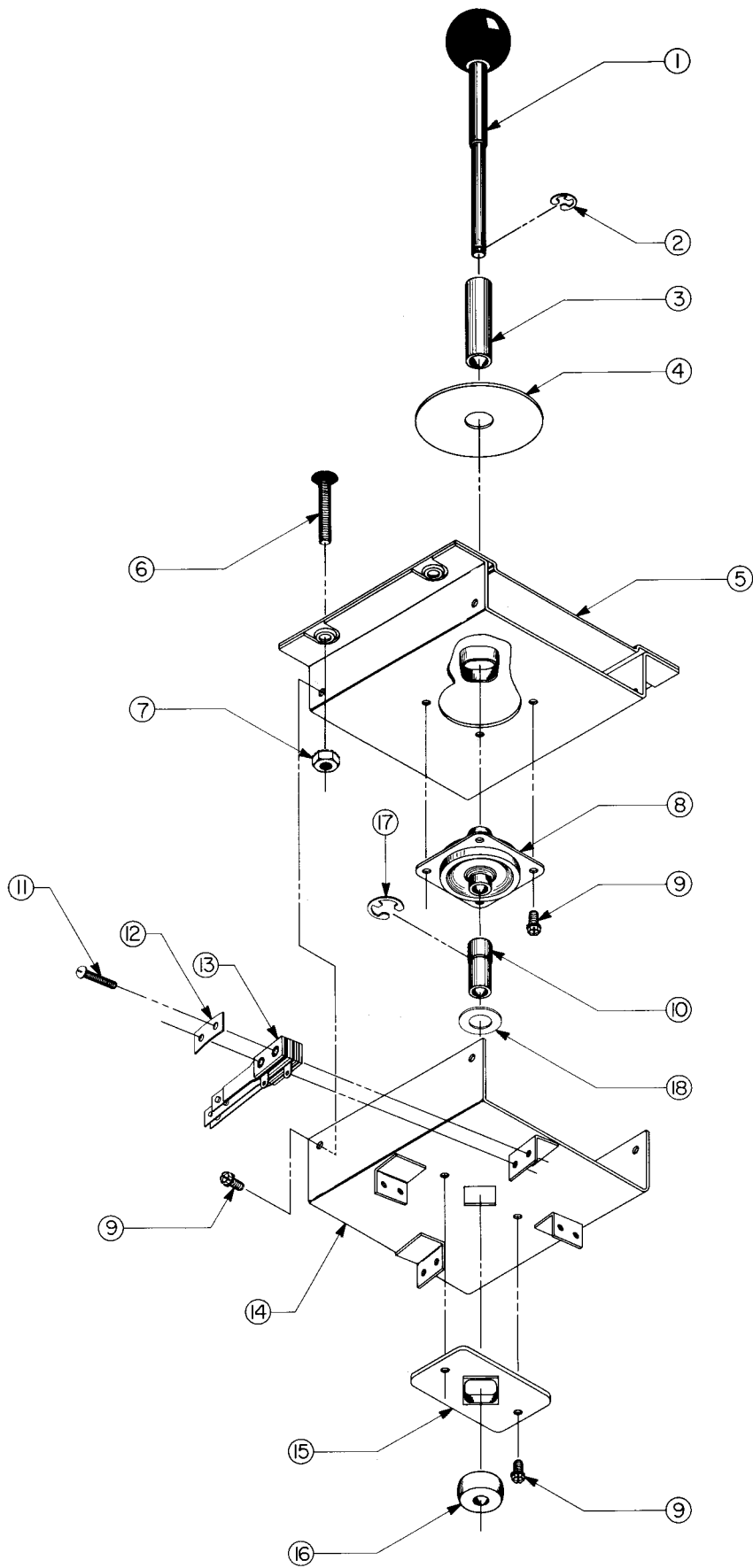


NO. 934 - PAC-MAN MINI - INTERIOR ACCESS PICTURE

*ORDER BY PART NUMBER ONLY*

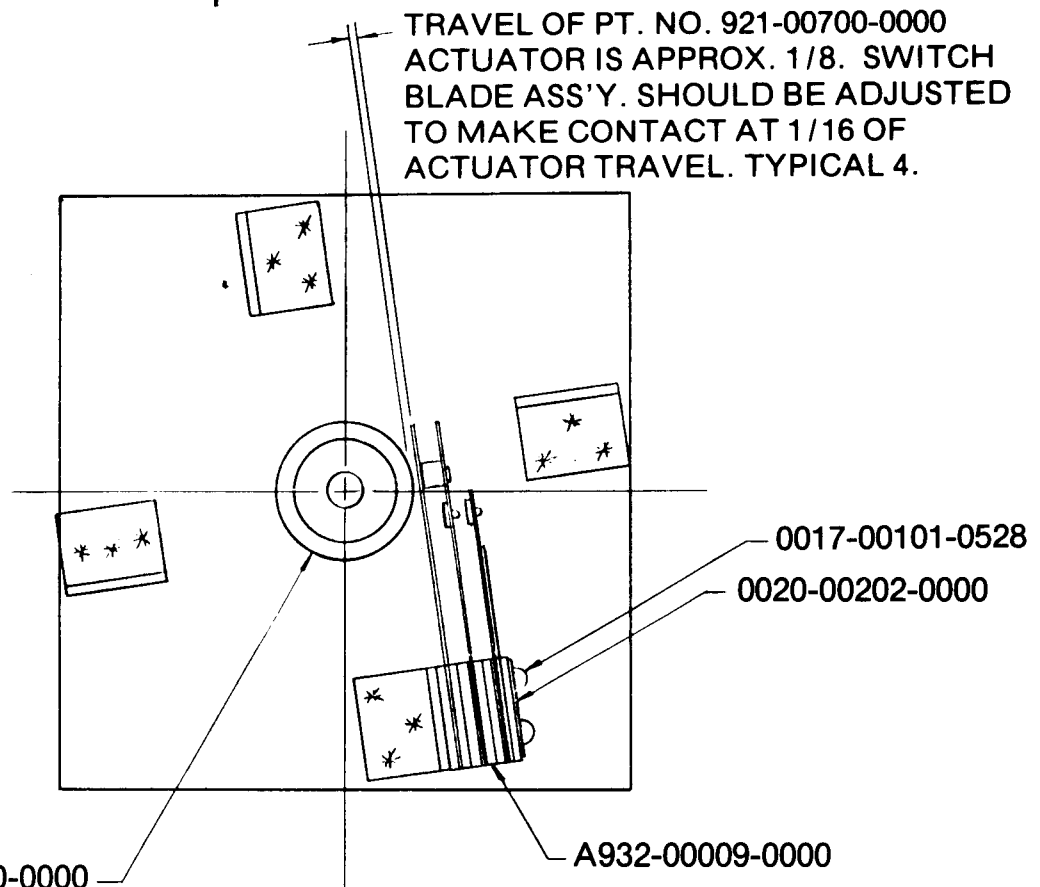
ITEM	PART N <sup>o</sup>	DESCRIPTION
1	0017-00003-0340	13'' COLOR DUAL SYNC. HORIZ. MONITOR & CHASSIS - ELECTROHOME
	0017-00004-0022	304 DYMAX GROUND STRAP
	0017-00102-0013	1/4-20 x 1-1/4 CARRIAGE BOLT (2 REQ'D.)
	0017-00102-0028	1/4-20 x 2-1/2 CARRIAGE BOLT (2 REQ'D.)
	0017-00104-0014	PERIPHERY WASHER (4 REQ'D.)
2	0017-00103-0018	1/4 - 20 HEX NUT (2 REQ'D.)
	0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
3	0603-00131-00XF	STRIKE (2 REQ'D.)
	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCREW (8 REQ'D.)
	A151-00026-0000	INTERLOCK SW. & BRKT. ASSY.
4	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCR. (2 REQ'D.)
	A866-00036-0000	TEST SWITCH BRKT. ASSY.
5	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
6	A905-00028-0000	CASH BOX ASSY. W/HANDLE
	A905-00026-0000	CASH BOX COVER ASSY.
	A624-00001-0000	CASH BOX GUIDE BRKT. ASSY.
	0624-00101-0000	CASH BOX GUIDE BRKT.
7	A082-91375-B000	GAME LOGIC BOARD ASSY.
8	0624-00902-0300	P.C. SUPPORT BRKT. - 2-1/2 IN. (3 REQ'D.)
9	0624-00902-0100	P.C. SUPPORT BRKT. - 12 IN. (2 REQ'D.)
10	A934-00009-0000	HIGH VOLTAGE CABLE ASSY.
	A934-00008-0000	LOW VOLTAGE CABLE ASSY.
	A934-00010-0000	CONTROL SHELF CABLE ASSY.
	A934-00013-0000	DISPLAY INSERT CABLE ASSY.
	A932-00019-0000	COIN DOOR CABLE ASSY.
		<u>NOT SHOWN LIST</u>
	A082-91109-C000	CREDIT MULT. BYPASS P.C. BRD. ASSY.
	A934-00011-0000	TRANSFORMER BOARD ASSY.
	0017-00032-0083	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCR. (4 REQ'D.)
	0017-00009-0490	VENT GRILL - BOTTOM BACK DOOR (2 REQ'D.)
	0618-00117-0000	VENT GRILL - TOP BACK DOOR
	0017-00101-0015	#6 x 1/2 SLT. HEX HD. SCR. (4 REQ'D.)
	0934-00903-0000	PROTECTIVE BUBBLE - BACK DOOR
	0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLT (10 REQ'D.)
0017-00103-0061	#8-32 HEX NUT W/SEMS (10 REQ'D.)	
A151-00029-0000	LOCK ASSY. - BACK DOOR	

# PAC-MAN - CONTROL ASSEMBLY

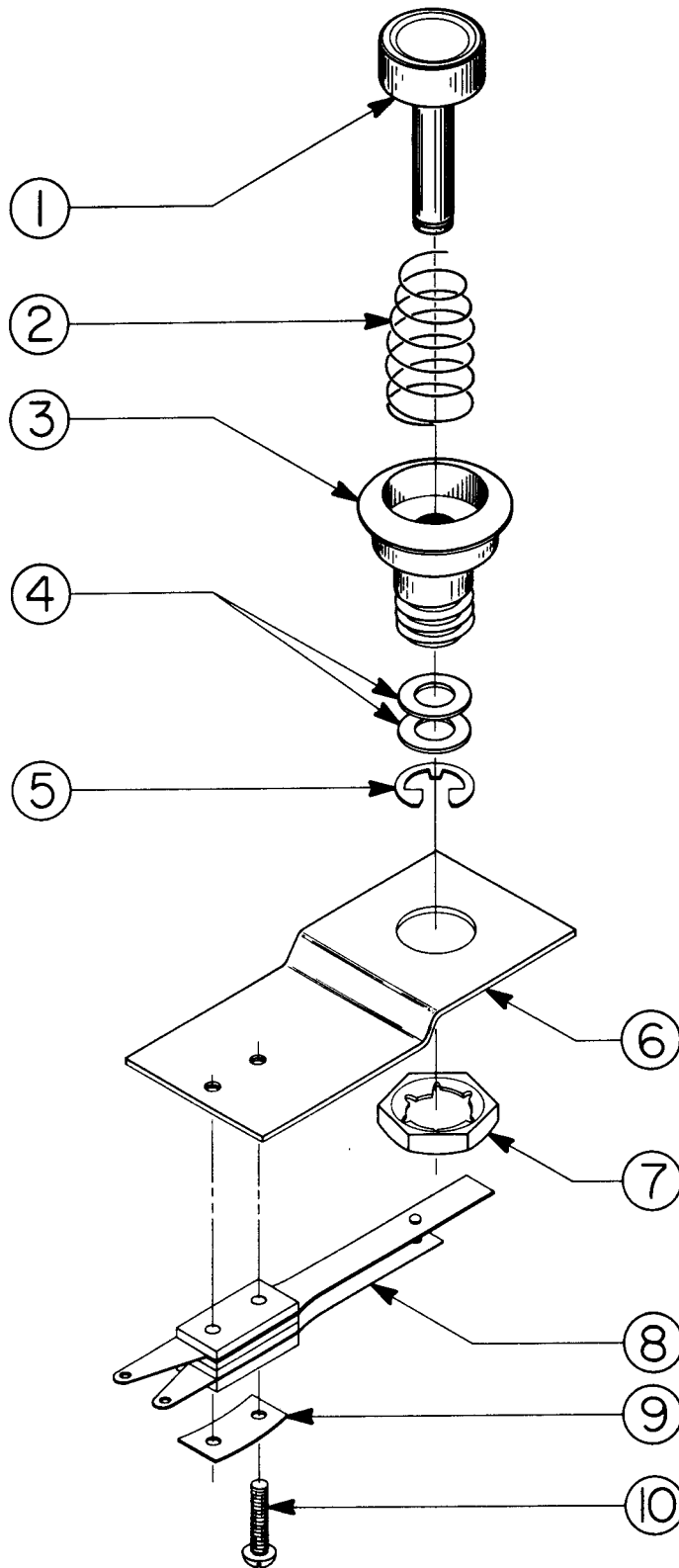


**PAC-MAN — CONTROL ASSEMBLY**  
**ORDER BY PART NUMBER ONLY**

ITEM	PART NO	DESCRIPTION
1	A932-00022-0000	SHAFT & BALL ASSY.
2	0017-00100-0025	1/4" E-RING
3	0921-00702-0000	STOP SPACER
4	0921-00902-0000	SLIDE PLATE
5	A932-00011-00XF	SPOT WELD ASSY.
6	0017-00101-0713	#8-32 x 1" SLT. FLAT HD. SCREW (4 REQ'D.)
7	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
8	0932-00902-0000	GROMMET
9	0017-00101-0598	#8-32 x 5/16 SLT. HEX HD. M.S. (10 REQ'D.)
10	0921-00701-0000	SLEEVE
11	0017-00101-0528	#5-40 x 3/4 SLT. RND. HD. SCR. (8 REQ'D.)
12	0020-00202-0000	SWITCH PLATE (4 REQ'D.)
13	A932-00009-0000	SWITCH ASSEMBLY (4 REQ'D.)
14	A932-00012-00XF	STOP PLATE & SWITCH BRKT. ASSY.
15	0932-00905-0000	WEAR PLATE
16	0921-00700-0000	ACTUATOR
17	0017-00100-0115	7/16" E-RING
18	0017-00104-0111	NYLON FLAT WASHER



**NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - PUSH BUTTON ASSY.**



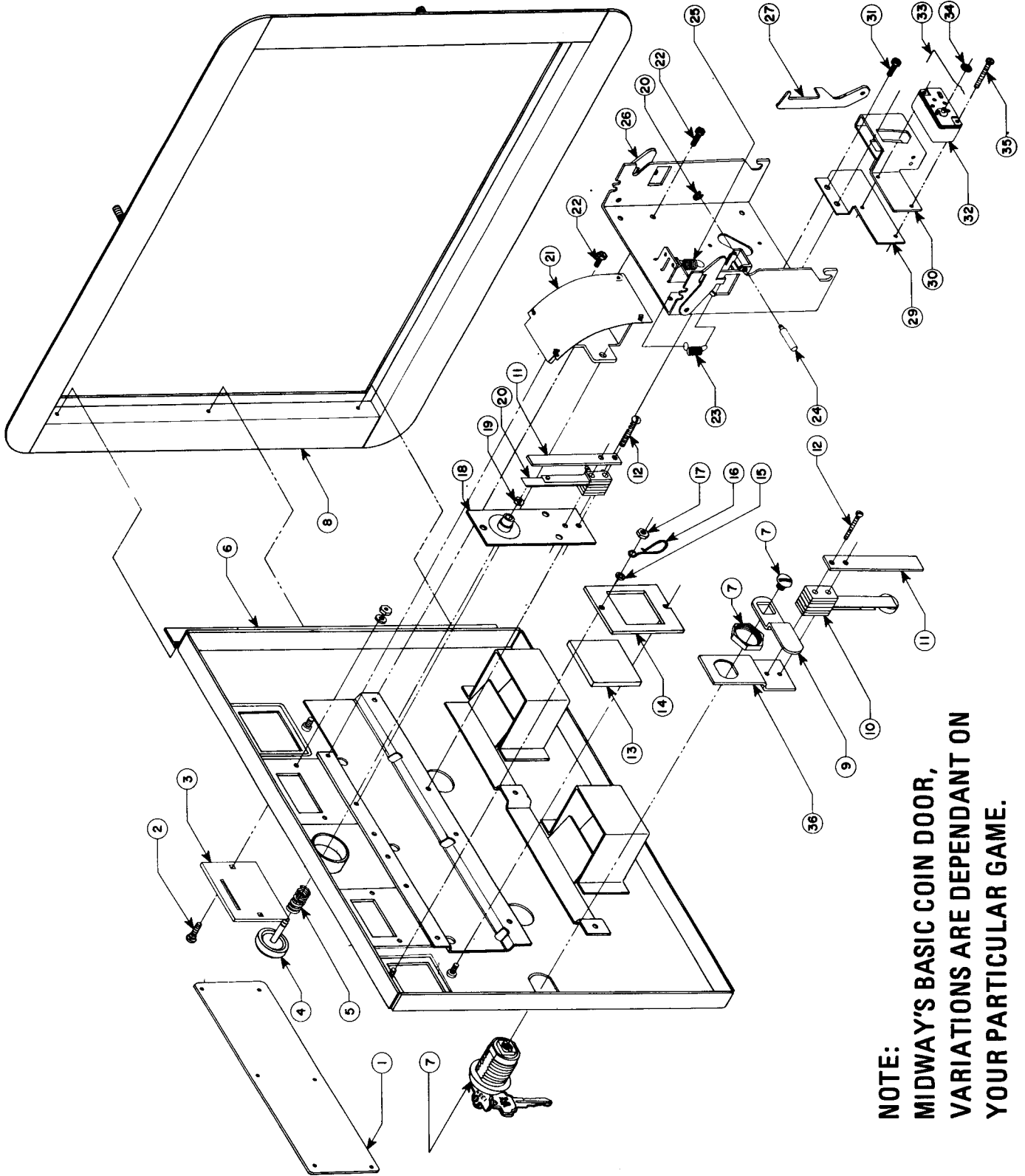
NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - PUSH BUTTON ASSY.

*ORDER BY PART NUMBER ONLY*

ITEM	PART N <sup>o</sup>	DESCRIPTION
1	0017-00009-B384	RED BUTTON - MINI ONLY
1	0017-00009-0384	BUTTON
2	0010-00593-0000	SPRING
3	0017-00009-0376	BUTTON HOUSING
4	0017-00104-0028	FLAT WASHER (2 REQ'D.)
5	0017-00100-0025	E-RING
	A761-00014-0000	PUSH BUTTON ASSY. (FIRST 5 ITEMS) - MINI ONLY
	A739-00012-0000	PUSH BUTTON ASSY. (FIRST 5 ITEMS)
6	0586-00107-0000	MOUNTING BRKT.
7	0017-00103-0054	PAL NUT
8	A739-00016-0000	SWITCH ASSY.
9	0020-00202-0000	SWITCH PLATE
10	0017-00101-0526	#5-40 x 9/16 PHIL. HD. M.S. (2 REQ'D.)



**NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - FRONT DOOR ASSY.**



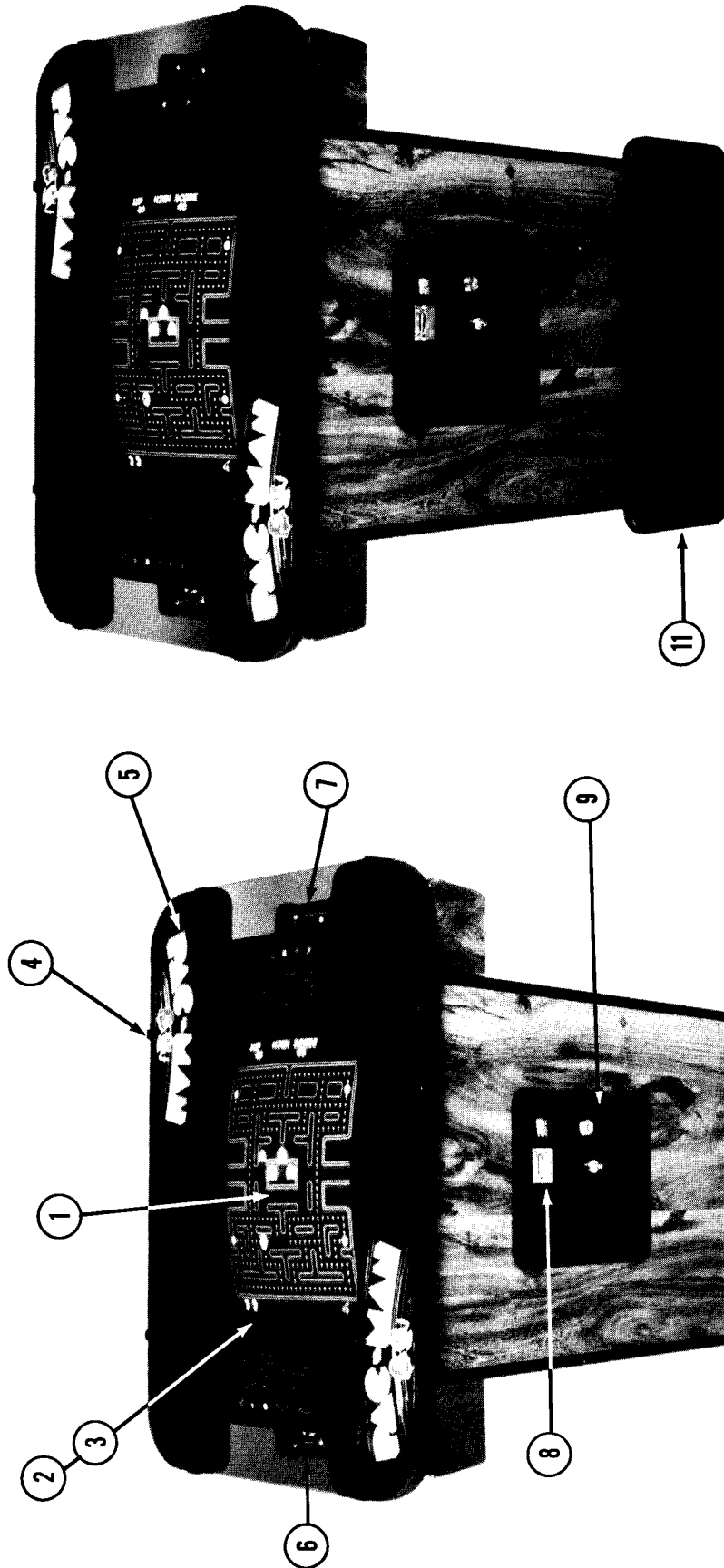
**NOTE:  
MIDWAY'S BASIC COIN DOOR,  
VARIATIONS ARE DEPENDANT ON  
YOUR PARTICULAR GAME.**

NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - FRONT DOOR ASSY.

*ORDER BY PART NUMBER ONLY*

ITEM	PART NO	DESCRIPTION
1	0090-00902-0000	DRESS PLATE
	0090-00902-0100	DRESS PLATE W/O BUTTON TO START GAME
2	0017-00101-0552	#6-32 x 1/4 CARRIAGE BOLT (2)
3	0090-00117-03XF	COIN ENTRY PLATE (25¢)
4	0090-00906-0000	PLASTIC START BUTTON
5	0010-00007-0000	COMPRESSION SPRING
6	A090-00020-2003	DOOR ASSY. DOUBLE ENTRY
7	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
8	0090-00002-02BK	DOUBLE DOOR FRAME
9	0017-00005-0041	421 N.S. CAM
10	0090-00901-0000	DOOR SWITCH
	0090-00126-01XF	SWITCH BACKUP PLATE
12	0017-00101-0528	#5-40 x 3/4" LNG. M.S.
13	0090-00903-9500	25¢ WINDOW
14	0090-00143-0000	COIN PLEX RETAINER
15	0017-00104-0002	SPLIT LOCK WASHER
16	0017-00007-0019	KEY HOOK
17	0017-00103-0005	#6-32 HEX NUT
18	0090-00010-0000	SW. PLATE & OILLITE ASSY.
19	0017-00100-0018	"E" RING
20	0090-00131-0000	SWITCH
21	0090-00104-0000	TOP & BTM. COIN CHUTE W/BRKT. ASSY.
22	0017-00101-0598	#8 x 5/16 SCREW
23	0010-00181-0100	SPRING
24	0090-00129-00XF	PIVOT POST
25	0010-00134-0000	SPRING
26	0090-00008-0000	ACCEPTOR FRAME ASSY.
27	0093-00155-00XF	REJECTOR LEVER
28	0017-00100-0012	"E" RING
29	0090-00162-00XF	COIN SWITCH MTG. BRKT. - SMALL (AMERICAN)
29	0090-00163-00XF	COIN SWITCH MTG. BRKT. - LARGE
30	0017-00005-0203	COIN SWITCH CHUTE - SMALL (AMERICAN)
30	0017-00005-0204	COIN SWITCH CHUTE - LARGE
31	0017-00101-0555	#6-32 x 5/16 SCREW
32	0017-00005-0195	COIN SWITCH
33	0010-00599-0000	COIN SWITCH WIRE
34	0017-00007-0132	PUSH-ON RING (BLK.)
35	0017-00101-0698	#4-40 x 3/4 SCREW (2 REQ'D.)
36	0090-00128-00XF	SWITCH BRKT. - DOOR TILT
	A090-00061-0000	ANTI-STRING DEVICE ASSY. (REPLACES ITEM 30)
	A090-00064-0000	ANTI-PENNY DEVICE ASSY.

**NO. 933 - PAC-MAN COCKTAIL - PHOTOGRAPH**



**With Base Accessory**  
 Raises cocktail model  
 to height of 38"  
 (96.5 cm) for upright  
 play.

**MIDWAY  
 COCKTAIL TABLE  
 MODELS**  
 with Flip-Flop Screen  
 for 2 players

**"SIT-DOWN" STYLE**  
**DIMENSIONS:**  
 Height: 29" (74 cm)  
 Width: 32" (81.25 cm)  
 Depth: 22" (56 cm)

© Copyright 1980 MIDWAY MFG. CO. All rights reserved.

NO. 933 - PAC-MAN COCKTAIL - PHOTOGRAPH

*ORDER BY PART NUMBER ONLY*

ITEM	PART N <sup>o</sup>	DESCRIPTION
1	0017-00003-0339	19" COLOR DUAL SYNC. HORIZ. MONITOR - ELECTROHOME
	A869-00007-00XF	MONITOR SUPPORT ASSY. - L.H.
	A869-00007-01XF	MONITOR SUPPORT ASSY. - R.H.
	0869-00114-00XF	SUPPORT ANGLE (2 REQ'D.)
	0017-00101-0023	#8 x 3/8 PHIL. TRS. HD. SCR. (10 REQ'D.)
2	0869-00902-0000	T.V. BEZEL
3	0869-00907-0000	PLEXI 15" x 18-3/4"
4	0775-00104-00XF	GLASS CLIP (8 REQ'D.)
	0017-00101-0017	#8 x 5/8 PHIL. TRS. HD. S.M.S. (16 REQ'D.)
5	0933-00900-00XF	GLASS TOP - 32" x 22" x 1/4"
6	0933-00901-0000	DECORATIVE CONTROL PANEL OVERLAY - PLAYER #1
	0933-00100-00XF	STEEL CONTROL PANEL - PLAYER #1
7	0933-00901-0100	DECORATIVE CONTROL PANEL OVERLAY - PLAYER #2
	0933-00100-01XF	STEEL CONTROL PANEL - PLAYER #2
	0017-00101-0341	#6 x 1/4 PHIL. TRS. HD. SCR (4 REQ'D. EACH)
	0017-00101-0620	#8-32 x 1/2 CARRIAGE BOLT (4 REQ'D. EACH)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D. EACH)
	0017-00032-0051	BUTTON SWITCH (2 REQ'D.) PLAYER #1 ONLY
	0921-00903-0000	LIGHT SHIELD (1 REQ'D. EACH)
	0017-00031-0044	LAMP SOCKET - WEDGE BASE (2 REQ'D. EACH)
	0017-00003-0219	#194 LAMP 14V. 27A. (2 REQ'D. EACH)
	0017-00101-0555	#6-32 x 5/16 SLT. HEX HD. SCR. (2 REQ'D. EACH)
8	A090-00078-00BK	SINGLE COIN DOOR ASSY.
9	0090-00002-01BK	COIN DOOR FRAME
10	0017-00102-0048	3/8-16 x 2" LEG LEVELERS (4 REQ'D.)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUTS (4 REQ'D.)
11	0933-00501-0000	WOOD PEDESTAL - OPTIONAL
		<u>NOT SHOWN LIST</u>
	0869-00901-00XF	HINGE (CABINET TOP)
	0017-00101-0672	#10-32 x 1-1/8 CARRIAGE BOLT (8 REQ'D.)
	0017-00104-0004	#10 WASHER (8 REQ'D.)
	0017-00103-0010	#10-32 HEX NUT (8 REQ'D.)
	0017-00003-0187	6" x 9" SPEAKER 8 OHM, 9W
	0017-00009-0393	BLACK SPEAKER GRILL
	0017-00101-0642	#8-32 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)

NO. 933 - PAC-MAN COCKTAIL - PHOTOGRAPH

*ORDER BY PART NUMBER ONLY*

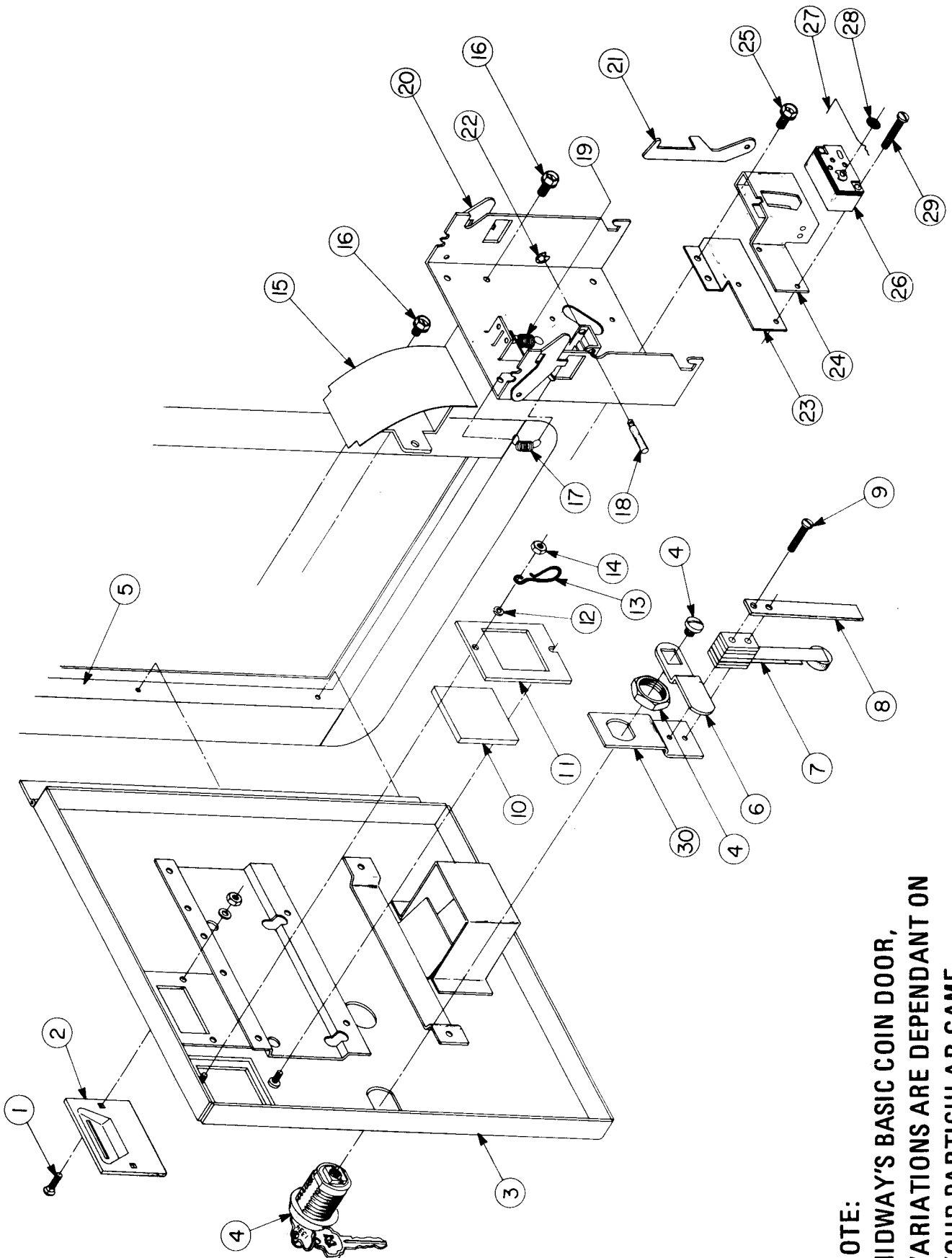
ITEM	PART N <sup>o</sup>	DESCRIPTION
	0017-00003-0222	<u>FAN ASSY.</u>
	0775-00110-00XF	FAN
	0749-00106-00XF	FAN PLATE
	0017-00101-0347	VENT SCREEN
	0017-00104-0009	#6-32 x 1/2 PHIL R.H.M.S. (4 REQ'D.)
	0017-00103-0005	#6 EXT. WASHER (4 REQ'D.)
	0017-00101-0026	#6-32 HEX NUT (4 REQ'D.)
		#8 x 5/8 SLOT HEX HD. M.S. (4 REQ'D.)

NO. 933 - PAC-MAN COCKTAIL - ADDITIONAL PARTS LIST

*ORDER BY PART NUMBER ONLY*

ITEM	PART NO	DESCRIPTION
	A749-00003-0000	COIN BOX ASSY.
	A627-00056-0000	COIN BOX COVER ASSY.
	A625-00024-0000	COIN BOX GUIDE BRKT. ASSY.
	0625-00117-0000	COIN BOX SIDE CHANNELS
	0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0008	#8-32 HEX NUT
	A749-00005-0000	INTERLOCK SWITCH ASSY.
	0017-00101-0028	#8 x 3/4 HEX HD. S.M.S. (6 REQ'D.)
	0017-00032-0083	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
	0017-00101-0026	#8 x 5/8 HEX HD. M.S. (4 REQ'D.)
	0610-00132-0000	STRIKE (2 REQ'D.)
	0017-00101-0028	#8 x 3/4 HEX HD. S.M.S. (4 REQ'D.)
	A866-00036-0000	TEST SWITCH BRKT. ASSY.
	0869-00908-0000	FISHPAPER SHIELD
	A082-91348-C000	CREDIT MULTIPLIER P.C. ASSY.
	A082-91375-B000	GAME LOGIC BRD. ASSY.
	0624-00902-0100	P.C. SUPPORT BRKT. - 12" (2 REQ'D.)
	0624-00902-0300	P.C. SUPPORT BRKT. - 2-1/2" (2 REQ'D.)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6"
	0017-00101-0028	#8 x 3/4 HEX HD. M.S. (12 REQ'D.)
	0017-00104-0031	#8 WASHER (12 REQ'D.)
	A933-00008-0000	HIGH VOLTAGE CABLE ASSY.
	A933-00009-0000	LOW VOLTAGE CABLE ASSY.
	A933-00012-0000	COIN DOOR CABLE ASSY.
	A933-00011-0000	CONTROL SHELF CABLE ASSY. - PLAYER #2
	A933-00010-0000	CONTROL SHELF CABLE ASSY. - PLAYER #1
	A933-00013-0000	TRANSFORMER BOARD ASSY.
	0017-00009-0393	BLACK VENT GRILL (2 REQ'D.)
	0017-00101-0118	#8-32 x 1-1/8 CARRIAGE BOLT (8 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (8 REQ'D.)

**NO. 933 - PAC-MAN COCKTAIL - FRONT DOOR ASSY.**



**NOTE:  
MIDWAY'S BASIC COIN DOOR,  
VARIATIONS ARE DEPENDANT ON  
YOUR PARTICULAR GAME.**

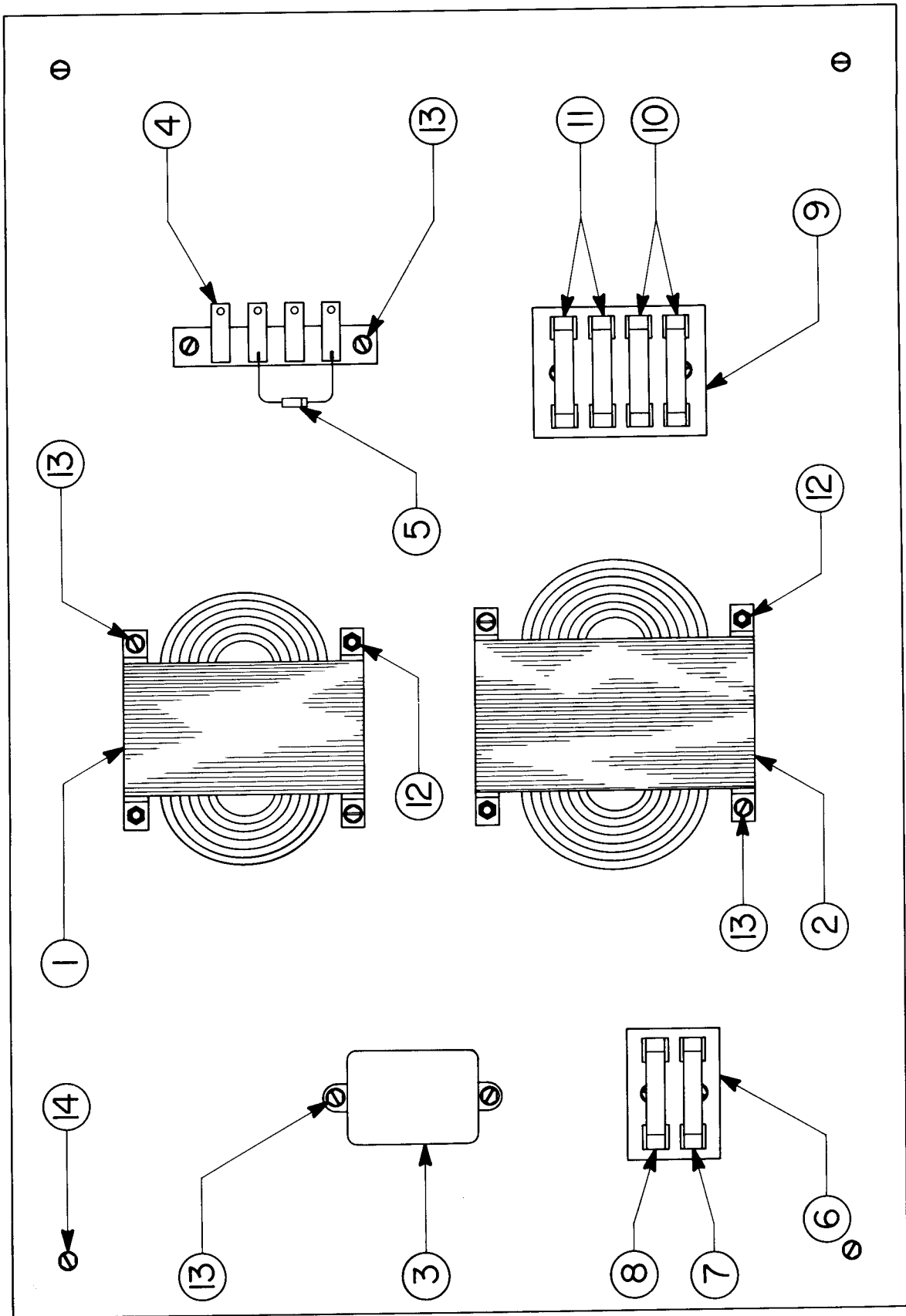
NO. 933 - PAC-MAN COCKTAIL - FRONT DOOR ASSY.

*ORDER BY PART NUMBER ONLY*

ITEM	PART N <sup>o</sup>	DESCRIPTION
1	0017-00101-0552	#6-32 x 1/4 CARRIAGE BOLT (2 REQ'D.)
2	0090-00117-03XF	COIN ENTRY PLATE (25¢)
3	A090-00058-0000	DOOR ASSY. SINGLE ENTRY
4	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
5	0090-00002-01BK	SINGLE DOOR FRAME
6	0017-00005-0041	421 N.S. CAM
7	0090-00901-0000	DOOR SWITCH
8	0090-00126-01XF	SWITCH BACKUP PLATE
9	0017-00101-0528	#5-40 x 3/4 LONG M.S. (2 REQ'D.)
10	0090-00903-9500	25¢ WINDOW
11	0090-00143-0000	COIN PLEX RETAINER
12	0017-00104-0002	SPLIT LOCK WASHER (2 REQ'D.)
13	0017-00007-0019	KEY HOOK
14	0017-00103-0005	#6-32 HEX NUT (2 REQ'D.)
15	0090-00104-0000	TOP & BOTTOM COIN CHUTE W/BRKT. ASSY.
16	0017-00101-0598	#8-32 x 5/16 SCREW (4 REQ'D.)
17	0010-00181-0100	SPRING
18	0090-00129-00XF	PIVOT POST
19	0010-00134-0000	SPRING
20	0090-00008-0000	ACCEPTOR FRAME ASSY.
21	0093-00155-00XF	REJECTOR LEVER
22	0017-00100-0012	E-RING
23	0090-00162-00XF	COIN SWITCH MTG. BRKT. - SMALL (AMERICAN)
23	0090-00163-00XF	COIN SWITCH MTG. BRKT. - LARGE
24	0017-00005-0203	COIN SWITCH CHUTE - SMALL (AMERICAN)
24	0017-00005-0204	COIN SWITCH CHUTE - LARGE
25	0017-00101-0555	#6-32 x 5/16 SCREW (2 REQ'D.)
26	0017-00005-0195	COIN SWITCH
27	0010-00599-0000	COIN SWITCH WIRE
28	0017-00007-0132	PUSH-ON RING (BLK.)
29	0017-00101-0698	#4-40 x 3/4 SCREW (2 REQ'D.)
30	0090-00128-00XF	SWITCH BRKT. - DOOR TILT
	A090-00061-0000	ANTI-STRING DEVICE ASSY. (REPLACES ITEM 24)
	A090-00064-0000	ANTI-PENNY DEVICE ASSY.



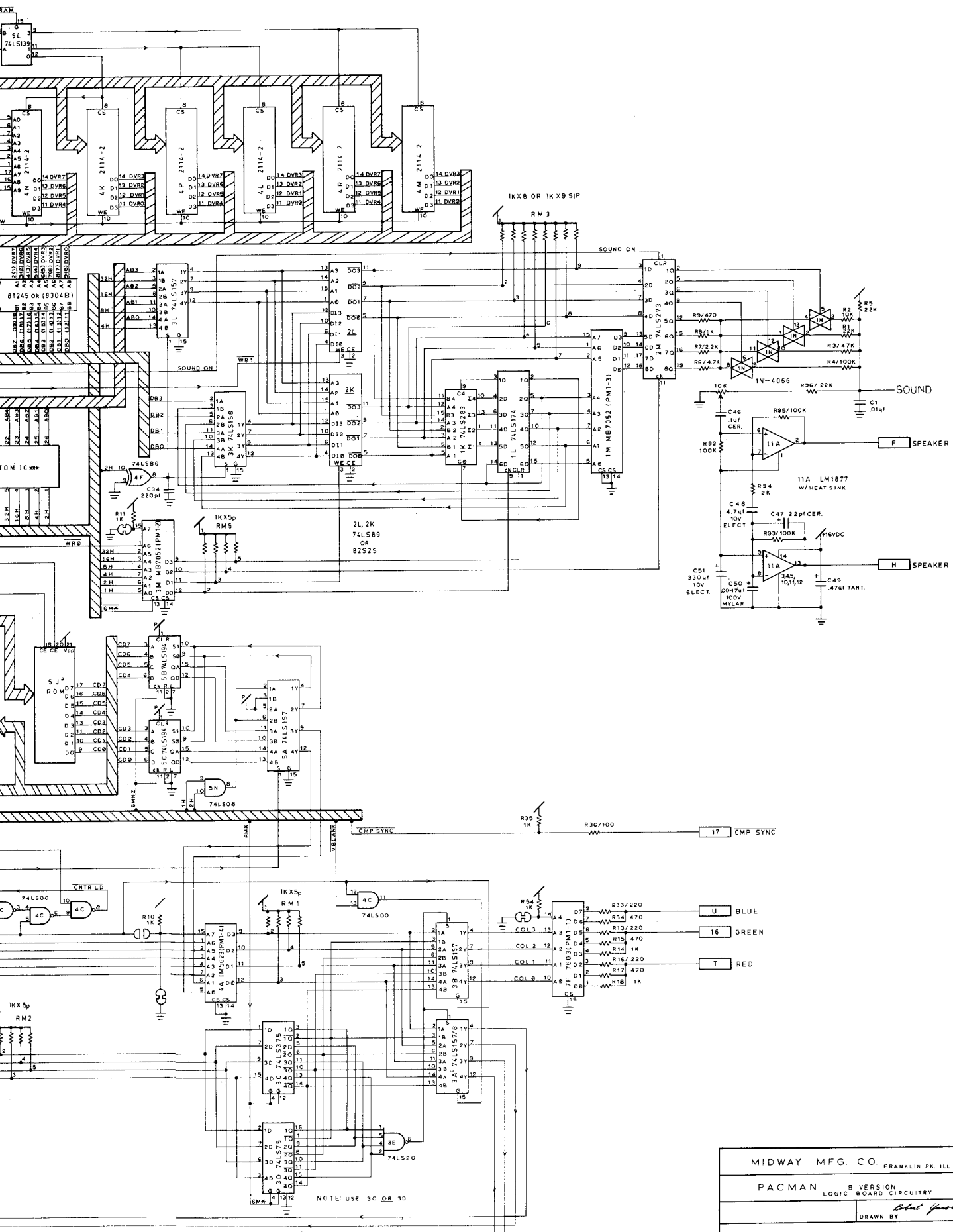
**NO. 932 & 934 - PAC-MAN UP-RIGHT & MINI TRANSFORMER BOARD ASSEMBLY**



NO. 932 & 934 - PAC-MAN UP-RIGHT & MINI TRANSFORMER BOARD ASSEMBLY

*ORDER BY PART NUMBER ONLY*

ITEM	PART N <sup>o</sup>	DESCRIPTION
1	MT00-00080-0000	TRANSFORMER - 110 VOLT
2	MT00-00081-0000	TRANSFORMER - 240 VOLT
3	0017-00003-0114	NOISE FILTER
4	A932-00024-0000	TERMINAL STRIP ASSY.
5	0064-030XX-XXPX	IN4004 400 V. DIODE
6	0720-00001-0200	2 POSITION FUSE CLIP
7	0017-00003-0004	FUSE 2A. SLO-BLO
8	0017-00003-0261	FUSE 1.5A. SLO-BLO
9	0720-00001-0400	4 POSITION FUSE CLIP
10	0017-00003-0169	FUSE 5A. (2 REQ'D.)
11	0017-00003-0001	FUSE 1A. (2 REQ'D.)
12	0017-00101-0637	#8-32 x 1-1/4 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0008	#8-32 HEX NUT (4 REQ'D.)
13	0017-00101-0014	#6 x 1/2 SLT. HEX HD. WD. SCR. (12 REQ'D.)
14	0017-00101-0018	#6 x 3/4 SLT. HEX HD. WD. SCR. (4 REQ'D.)
	A866-00049-0000	LINE CORD ASSY. - NOT SHOWN



NOTE: USE 3C OR 3D

MIDWAY MFG. CO		FRANKLIN PK. ILL.
PACMAN LOGIC BOARD CIRCUITRY		
B VERSION		
DRAWN BY <i>Robert Hancock</i> 12-9-80		