

Drawing Package Supplement

to

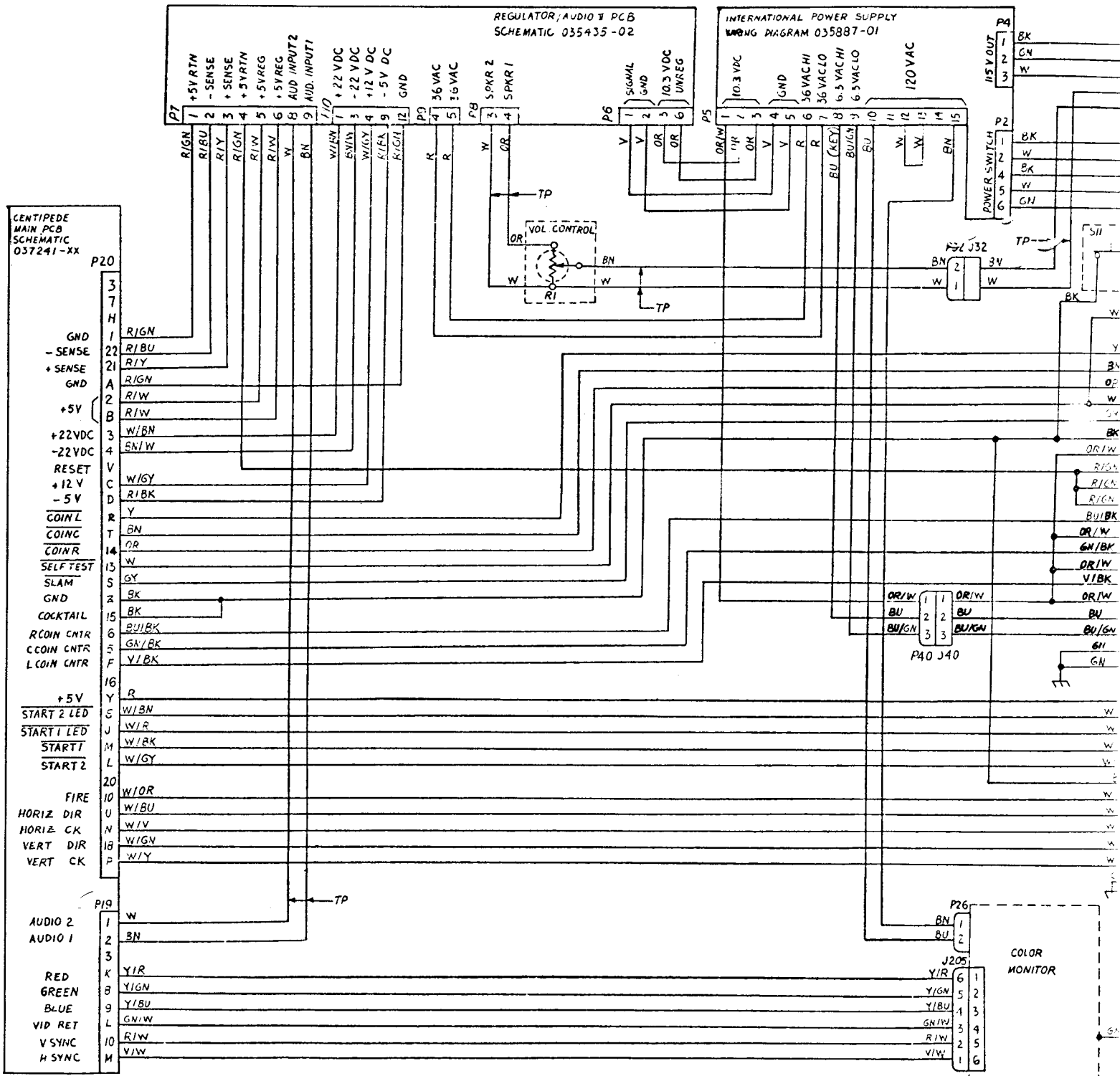
Centipede™

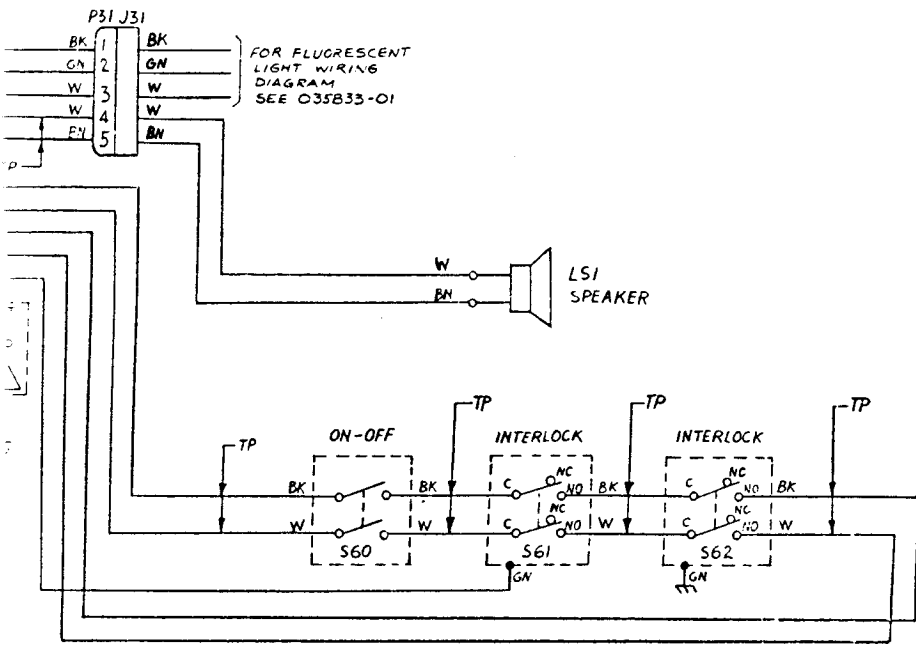
Operation, Maintenance and Service Manual

Contents of this Drawing Package

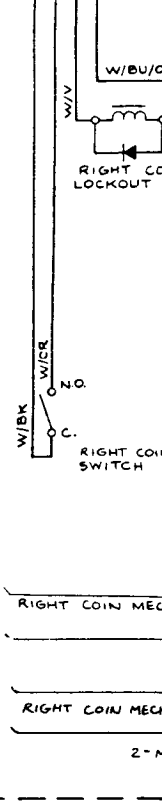
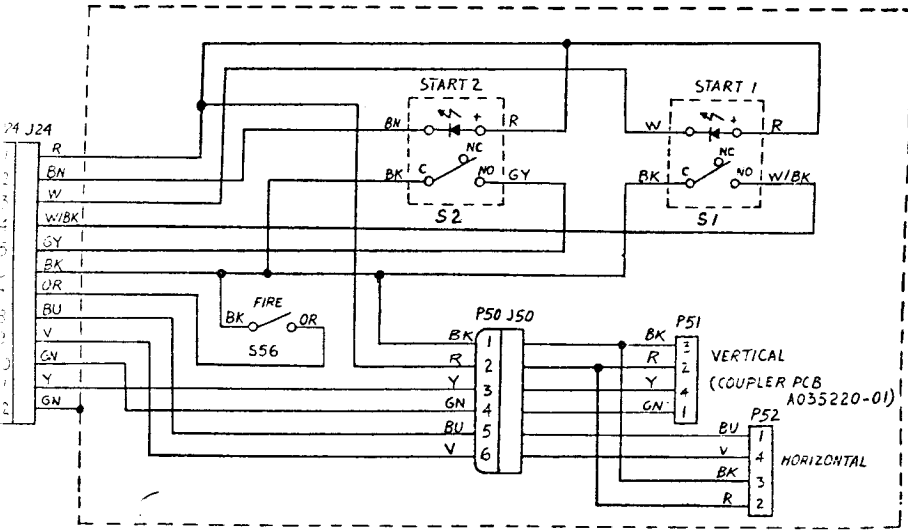
Game Coin Door and Power Supply Wiring Diagram	Sheet 1, Side A
Microprocessor, Signature Analysis Procedure, Sync Generator, CAT Box™, and Power Inputs	Sheet 1, Side B
Playfield Address Selector, Playfield Memory and Playfield Code Multiplexer	Sheet 2, Side A
Coin Door Inputs, Switch Inputs, Video Outputs and Trak Ball™ Circuitry	Sheet 2, Side B

Centipede Wiring Diagram (037432-01 A)

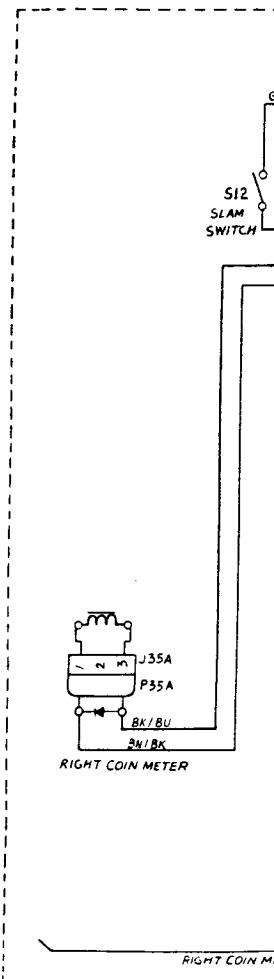


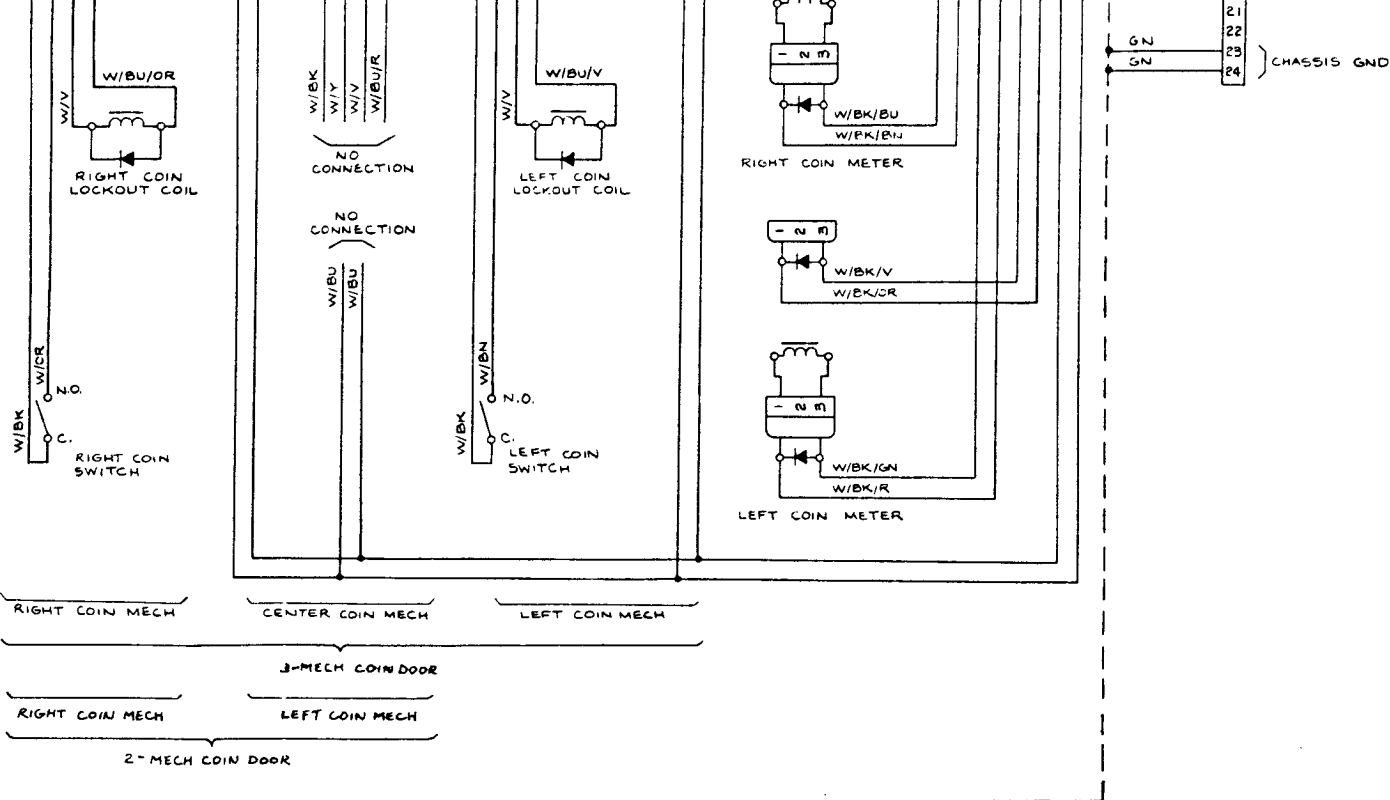


FOR COIN DOOR SCHEMATIC SEE O36B35-01

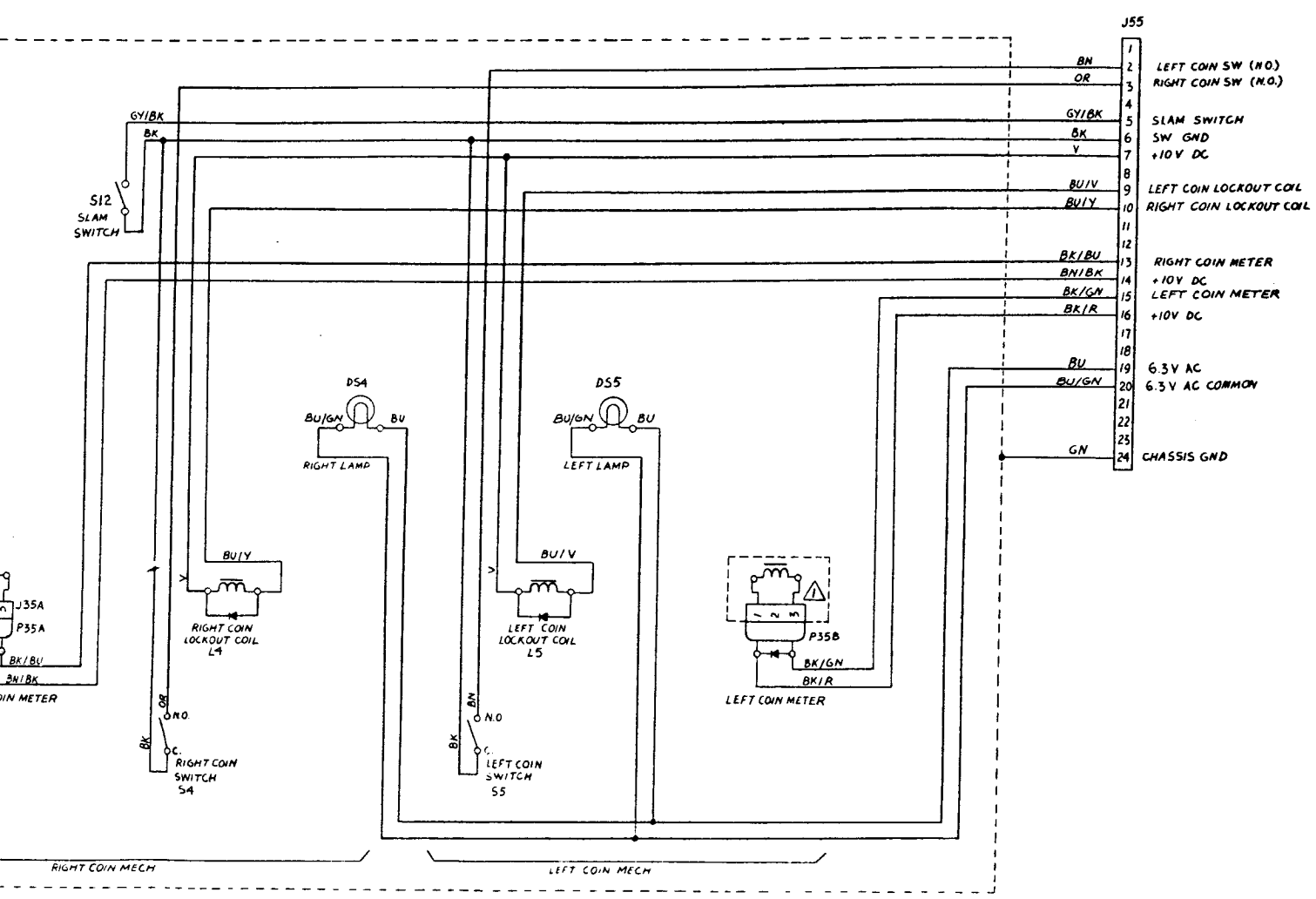


British-Made Coin D

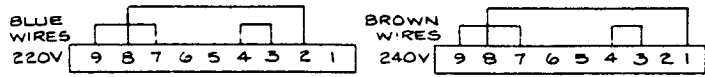




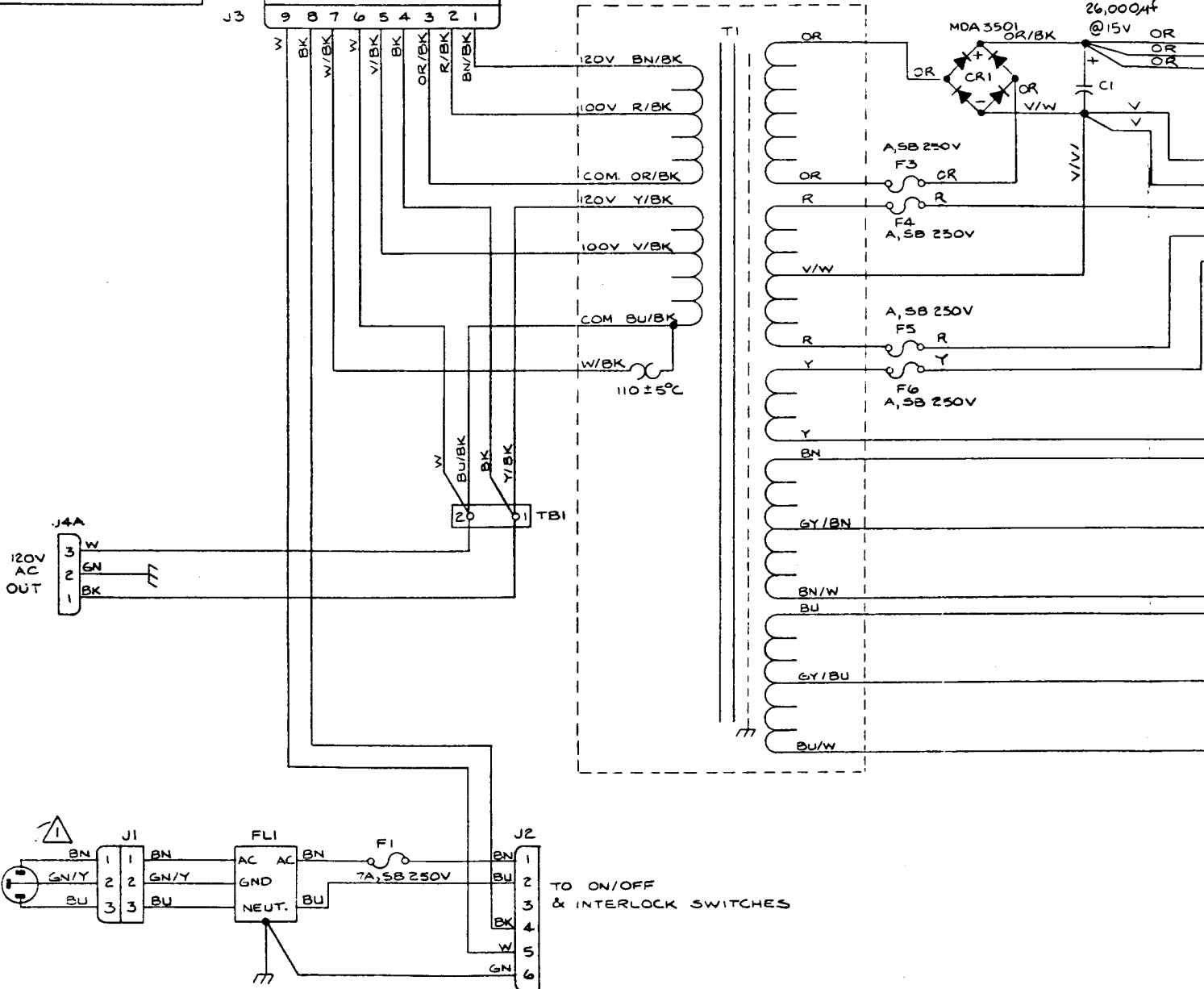
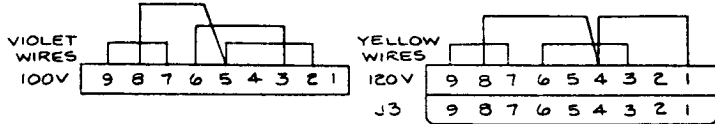
Coin Door Schematic (037050-01 A)

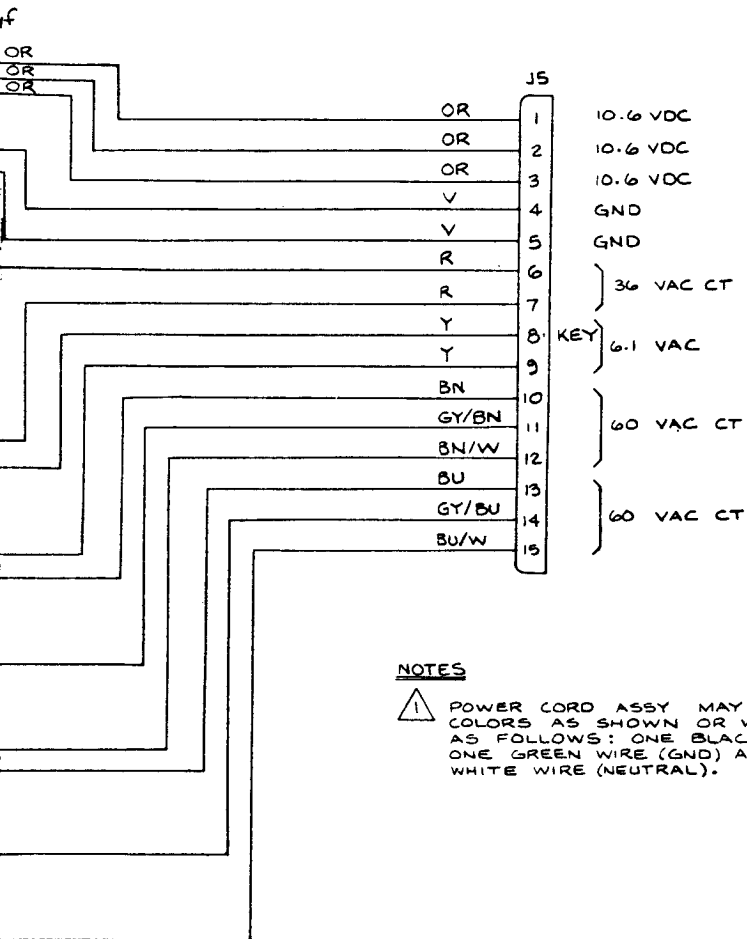


International Power Supply Schematic (037669-01 A)



VOLTAGE SELECTION BLOCKS





NOTES



POWER CORD ASSY MAY HAVE WIRE COLORS AS SHOWN OR WIRE COLORS AS FOLLOWS: ONE BLACK WIRE (AC), ONE GREEN WIRE (GND) AND ONE WHITE WIRE (NEUTRAL).

Regulator Audio

Regulator/Audio II PCB

The Regulator/Audio II PCB has regulating the +5 VDC logic power to amplifying the audio from the game PCB.

Regulator Circuit

The regulator consists of voltage pass transistor Q3 and Q3's driver transistor accurately regulates the logic power to the PCB by monitoring the voltage through the + SENSE and - SENSE. The regulator puts +5 VDC and ground inputs to the regulator regulates the voltage and eliminates a reduced voltage due to the harness between the regulator and resistor R8 is adjusted for the +5 VDC. Once adjusted, the voltage at the input remain constant at this voltage.

Regulator Adjustment

1. Connect a voltmeter between +5 VDC and GND of the game PCB.
2. Adjust variable resistor R8 on the Regulator/Audio II PCB for +5 VDC reading on the voltmeter.
3. Connect a voltmeter between the Regulator/Audio II PCB. Voltage should be greater than +5.5 VDC. If ground is not connected on both the game PCB and Regulator/Audio II PCB.
4. If cleaning PCB edge connectors, connect minus lead of voltmeter to GND test point of game PCB. Now connect minus lead of voltmeter to GND test point on Regulator/Audio II PCB. From the harness circuit is dropping the voltage to the appropriate harness wire color.

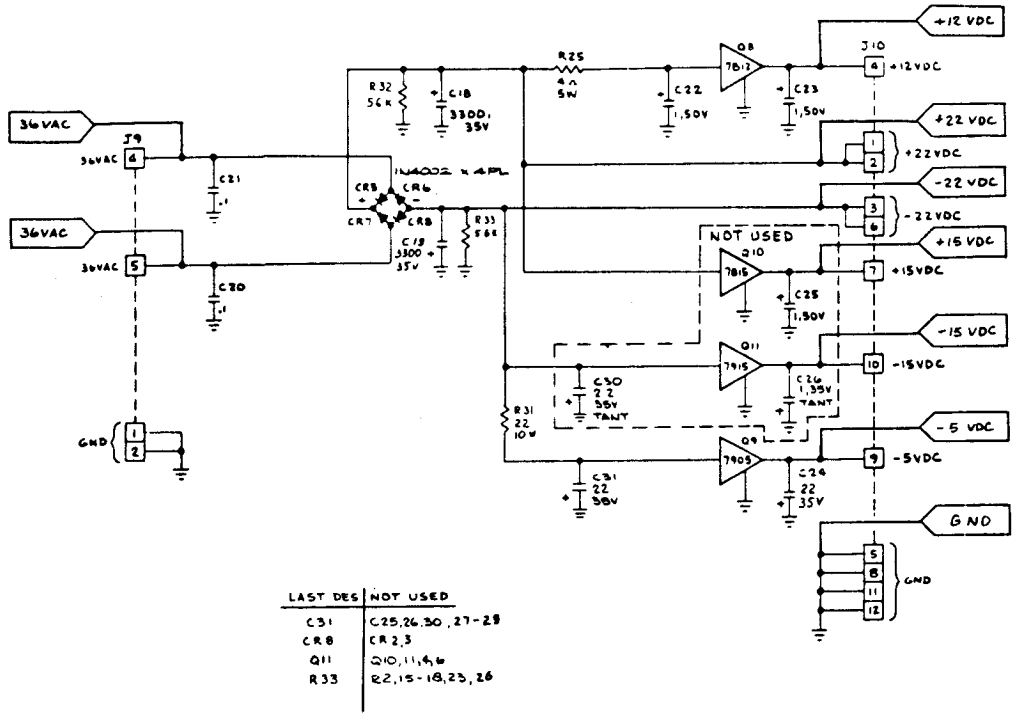
Audio Circuit

The audio circuit contains two amplifiers. Each amplifier consists of a transformer with an effective gain of 2.2.

PCB Schematic (035435-02 D)

dual functions of reg-
e game PCB and am-

regulator Q1, power
sistor Q2. The regula-
er input to the game
h high-impedance in-
puts are directly from
game PCB. Therefore,
the game PCB. This
IR loss in the wire
e game PCB. Variable
DC on the game PCB.
of the game PCB will



LAST DES	NOT USED
C31	C25, 26, 30, 27-28
CR8	CR 2, 3
Q11	Q10, 11, 6, 6
R33	R2, 15-18, 23, 26

/ and GND test points

Regulator/Audio II
voltage meter.

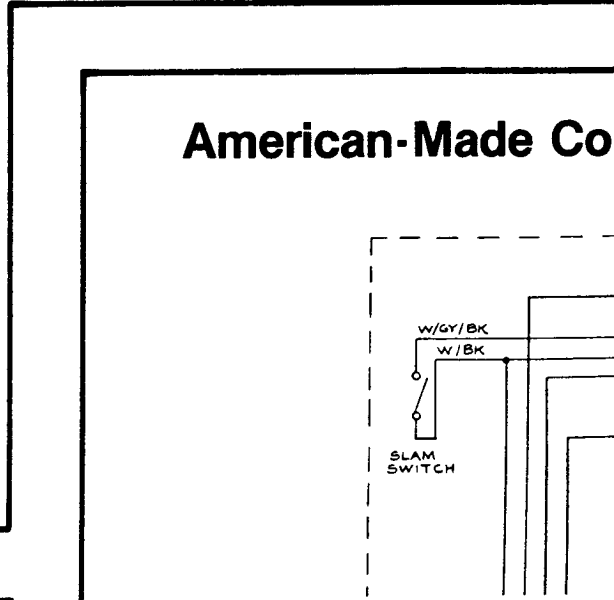
V REG and GND on
age reading must not
ter, try cleaning edge
PCB and the Regula-

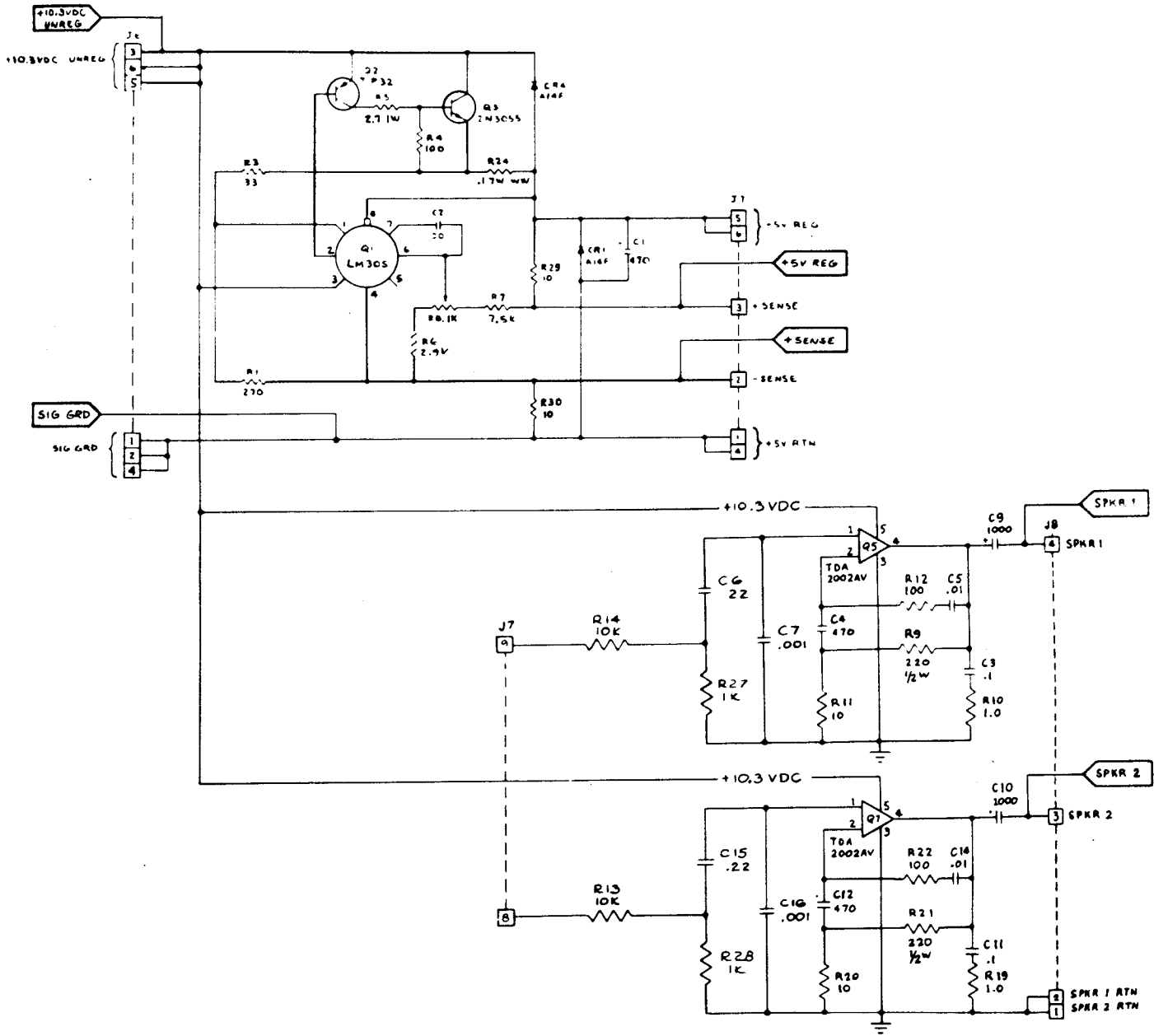
doesn't decrease volt-
d of voltmeter to GND
PCB and plus lead to
te the voltage.

meter to +5 REG test
nd plus lead to +5 V
is you can see which
oltage. Troubleshoot
arness connector.

pendent audio ampli-
2002AV amplifier with

es a test point





Coin Door Schematic (036835-01 A)

