

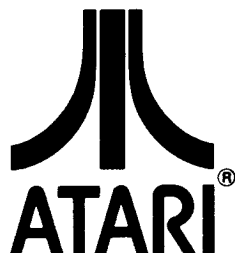
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## Drawing Package Supplement

to

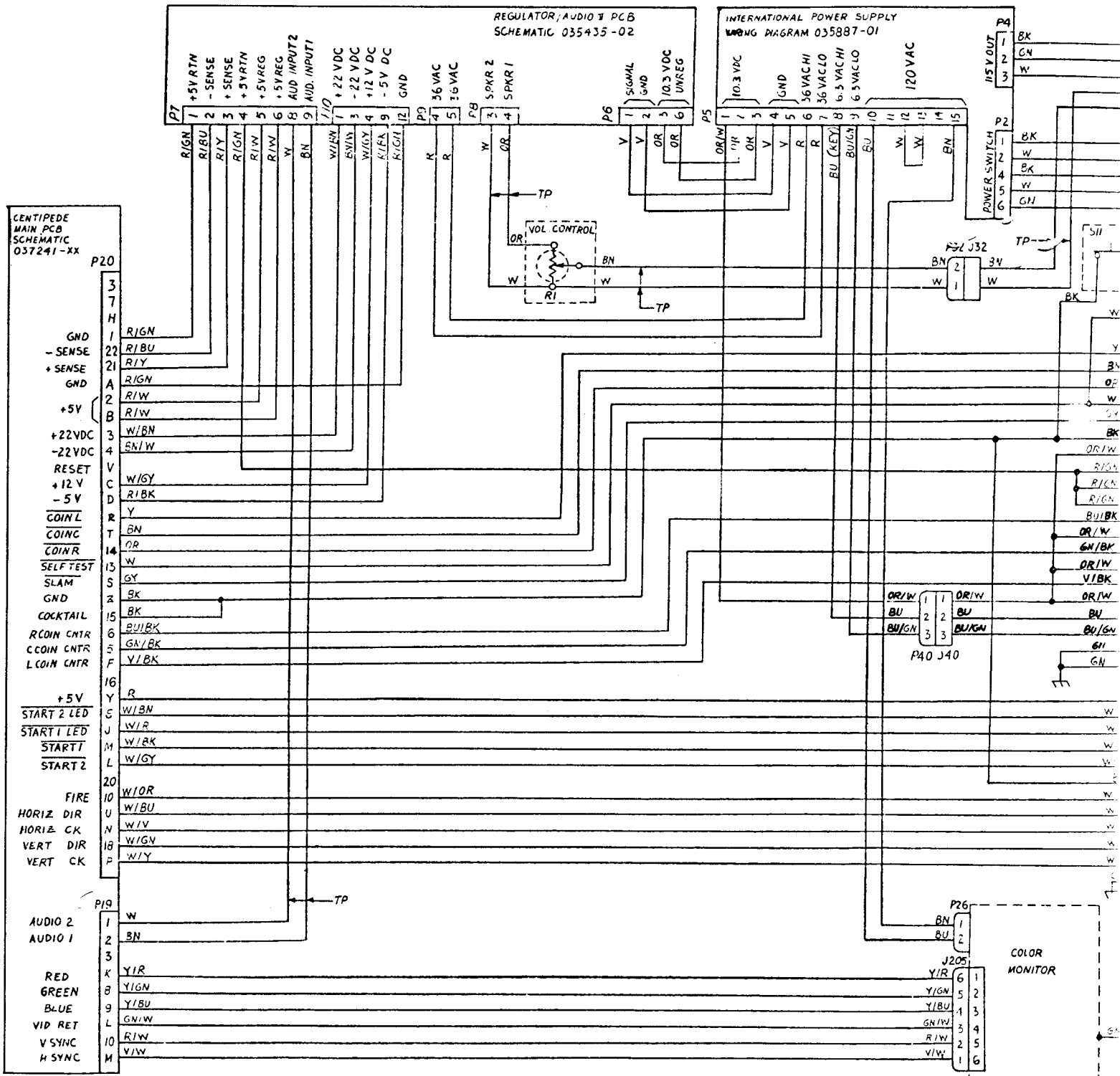
# Centipede™

## Operation, Maintenance and Service Manual

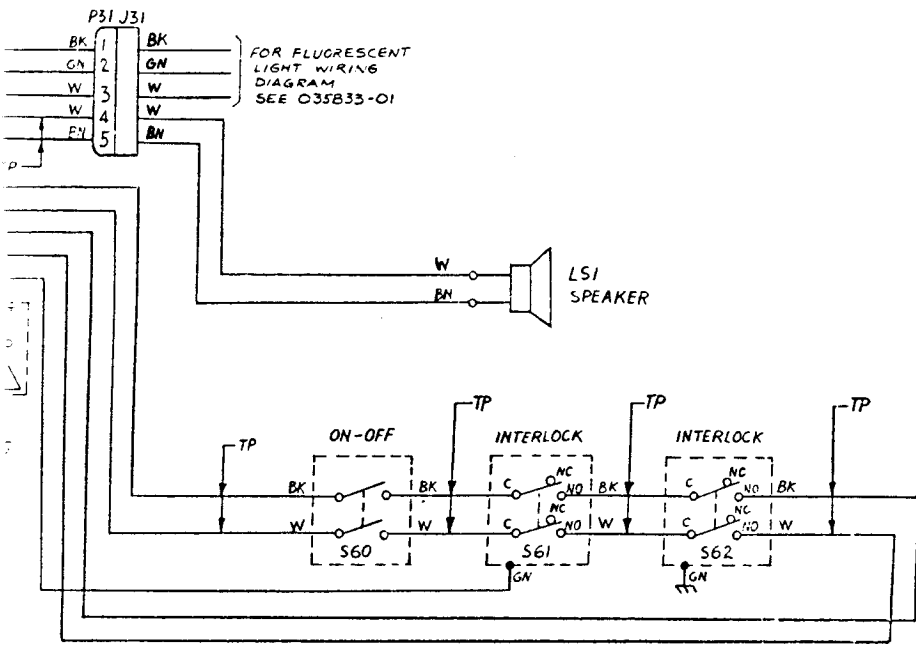
### Contents of this Drawing Package

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

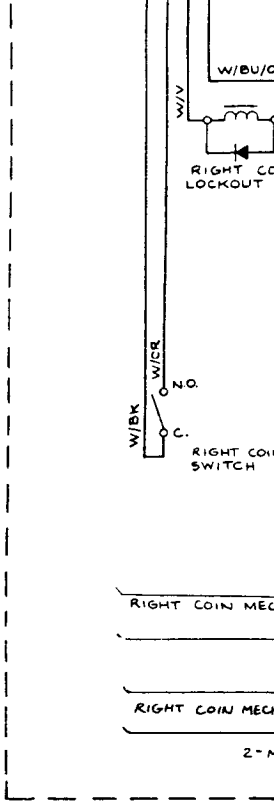
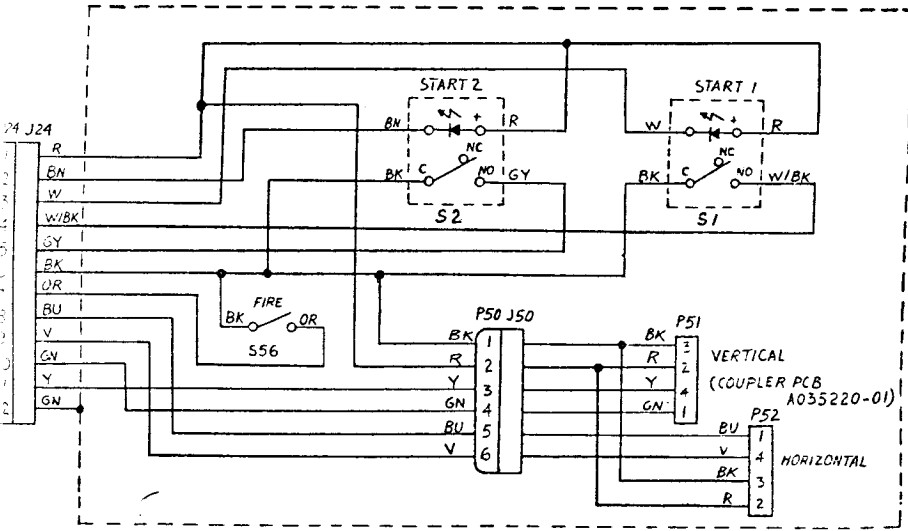
# Centipede Wiring Diagram (037432-01 A)



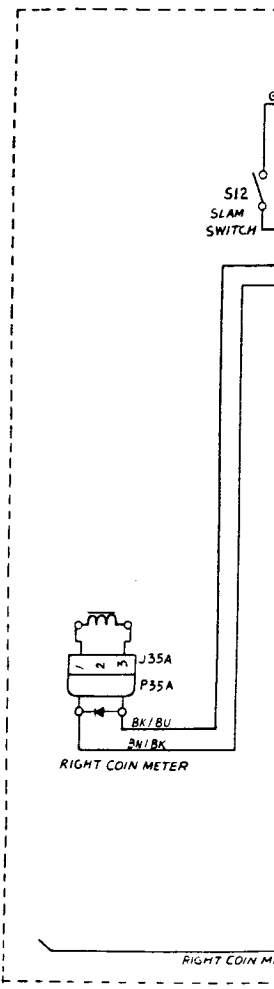
**⚠ USE WITH COIN DOORS NOT EQUIPPED WITH TEST SWITCH.**

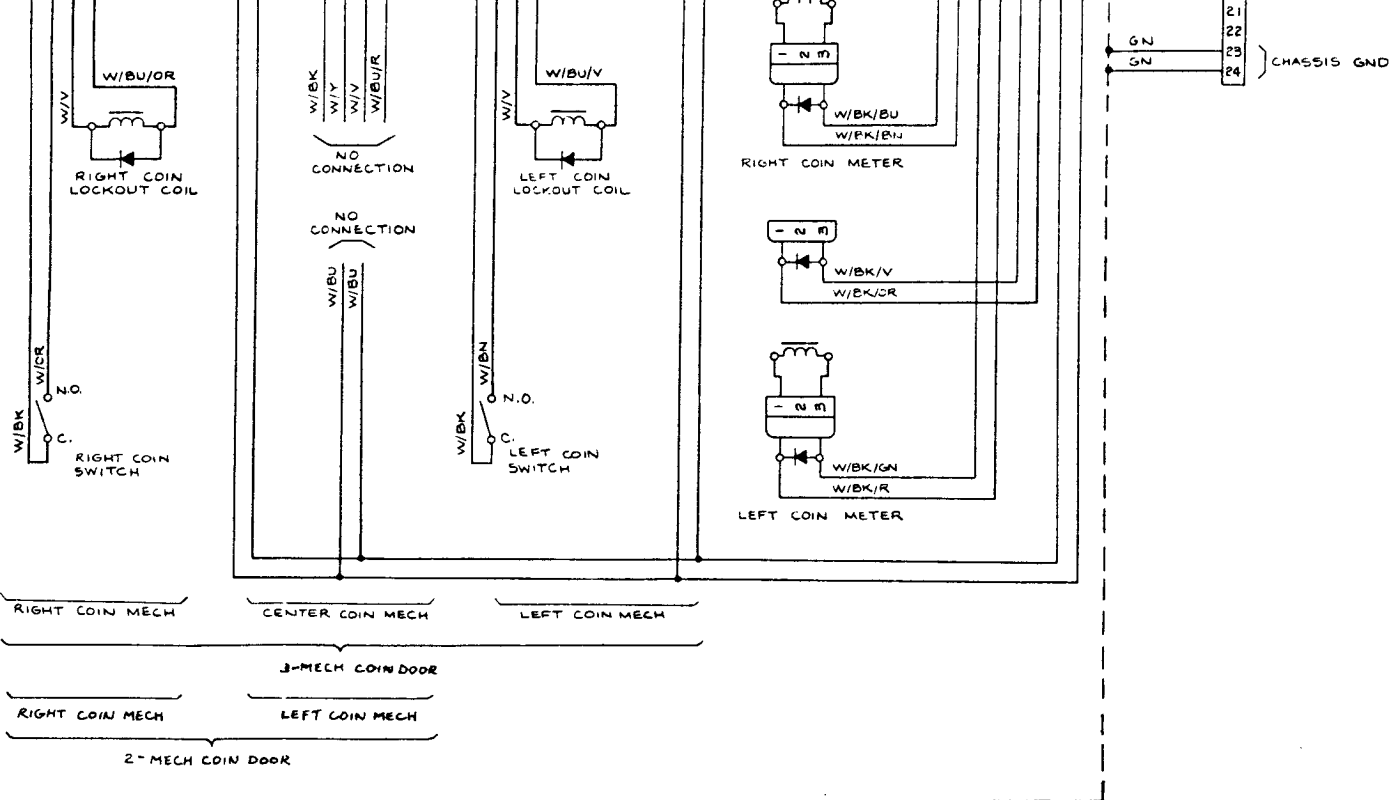


FOR COIN DOOR  
SCHEMATIC SEE  
036835 - 01

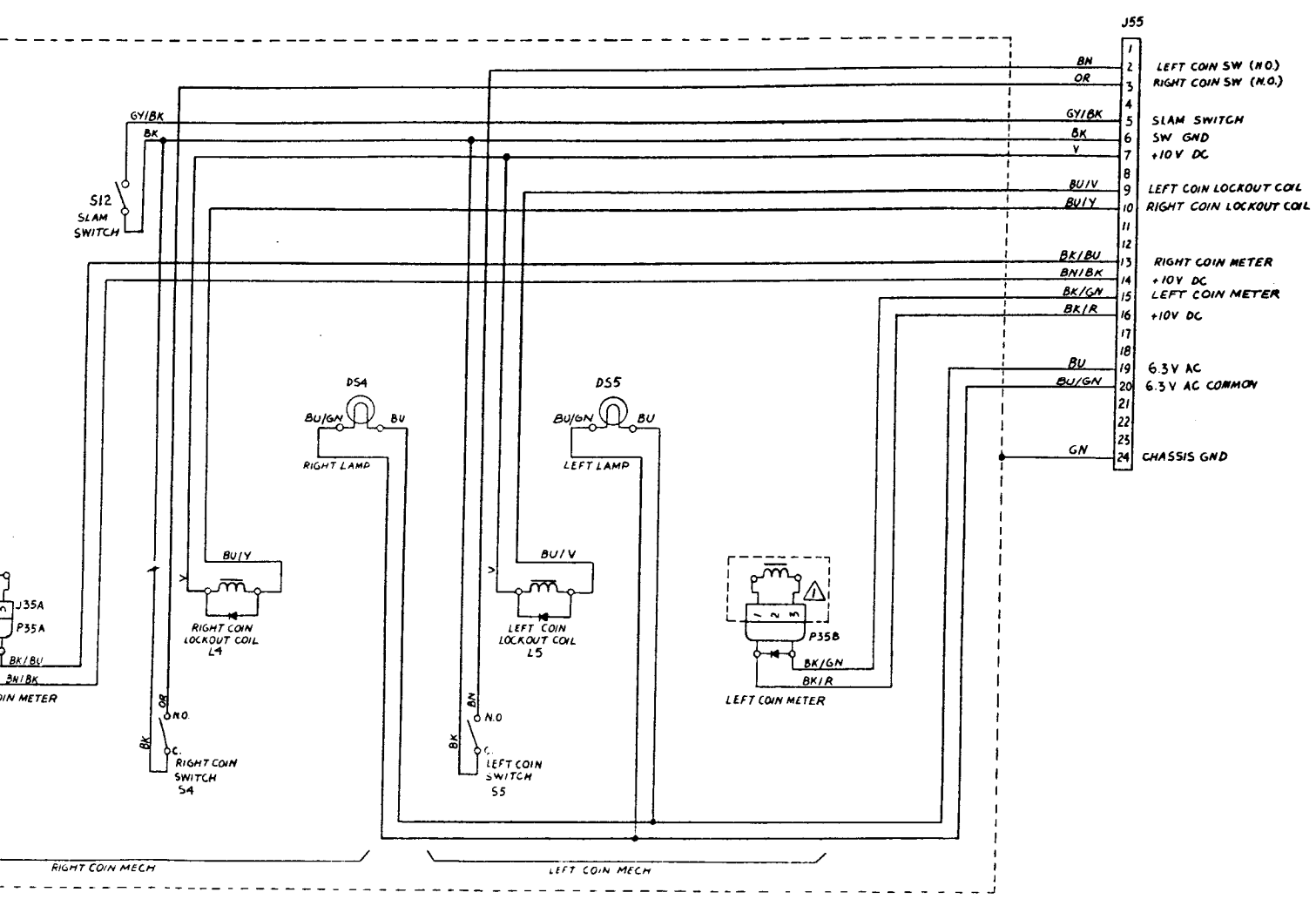


## British-Made Coin D

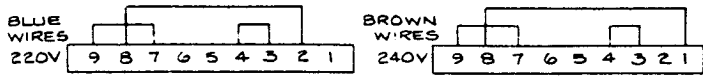




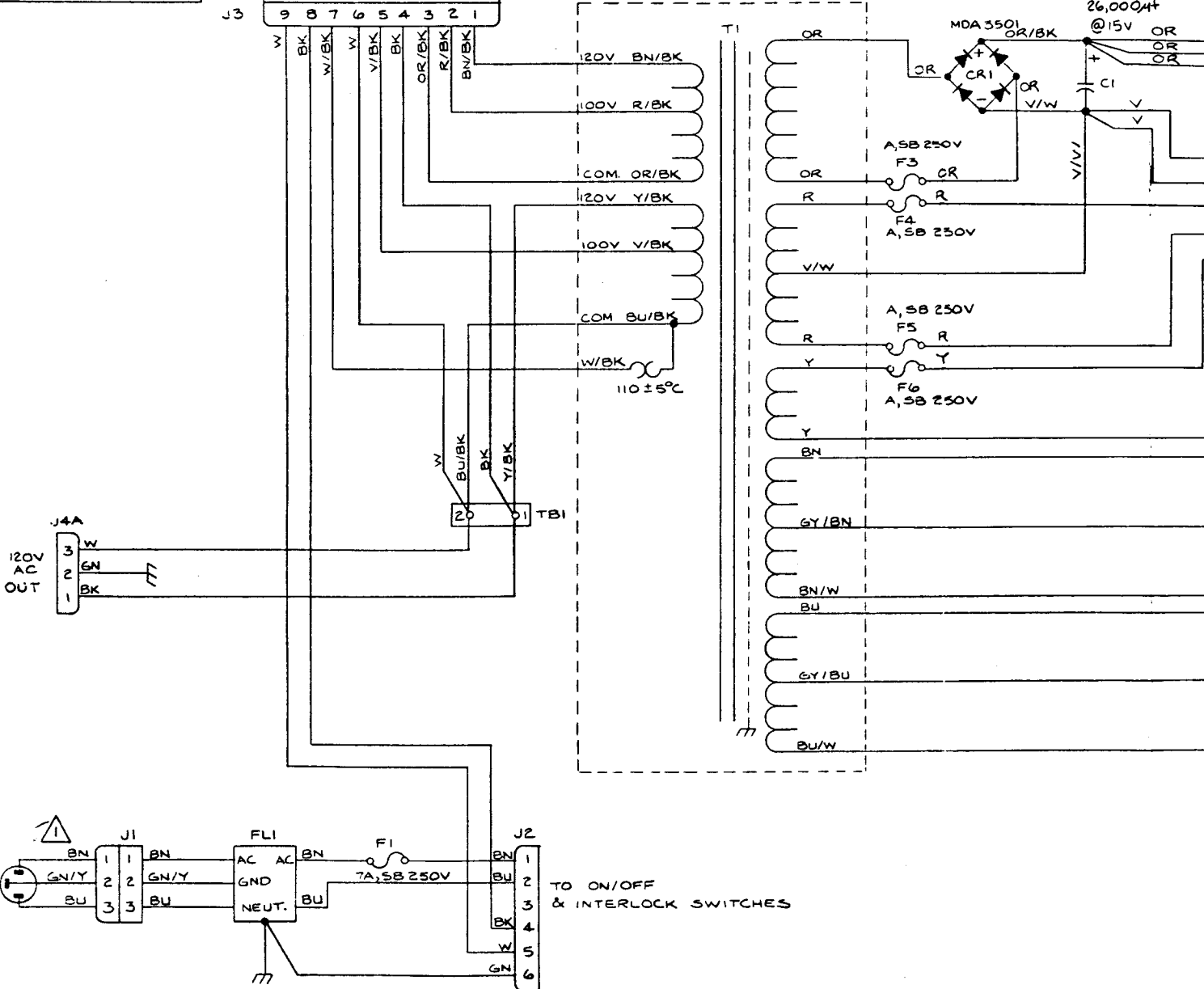
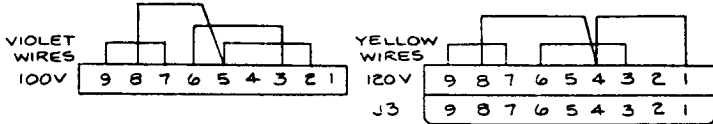
# Coin Door Schematic (037050-01 A)



# International Power Supply Schematic (037669-01 A)



## VOLTAGE SELECTION BLOCKS



# 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

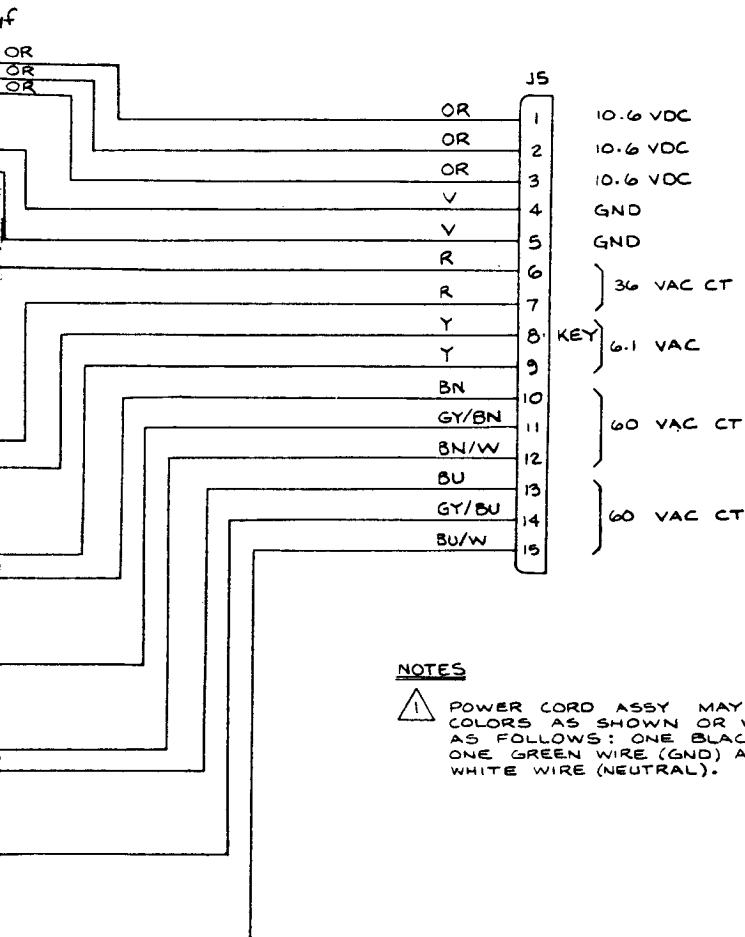
The regulator consists of voltage pass transistor Q3 and Q3's driver transistor accurately regulates the logic power to the PCB by monitoring the voltage through its sense inputs + SENSE and - SENSE. The regulator provides the +5 VDC and ground inputs to the game PCB. The regulator regulates the voltage to the game PCB and eliminates a reduced voltage due to the voltage drop in the harness between the regulator and the game PCB. Resistor R8 is adjusted for the +5 VDC. Once adjusted, the voltage at the game PCB 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 Regulator/Audio II PCB and plus lead to GND test point on game PCB. From the game PCB harness circuit is dropping the voltage to the appropriate harness wire color.

## Audio Circuit

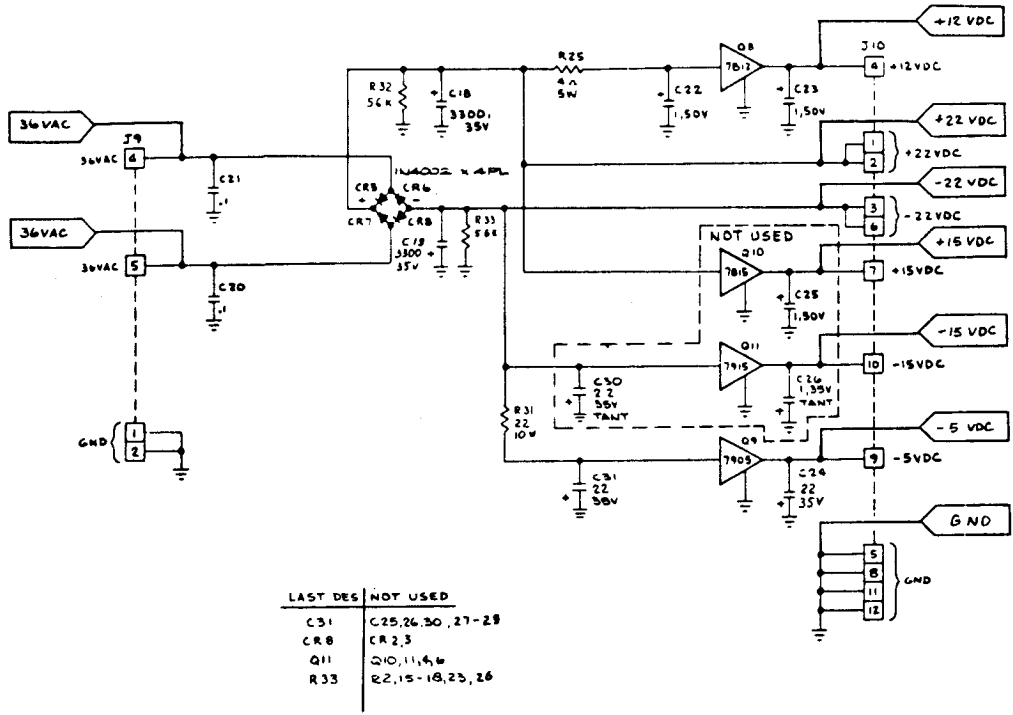
The audio circuit contains two amplifiers. Each amplifier consists of a transformer with an effective gain of 2.2.



# 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



/ and GND test points

Regulator/Audio II  
voltmeter.

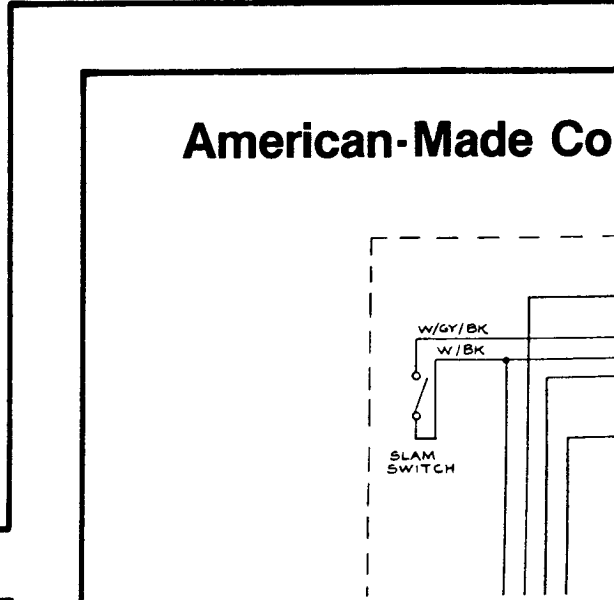
V REG and GND on  
age reading must not  
ter, try cleaning edge  
PCB and the Regula-

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

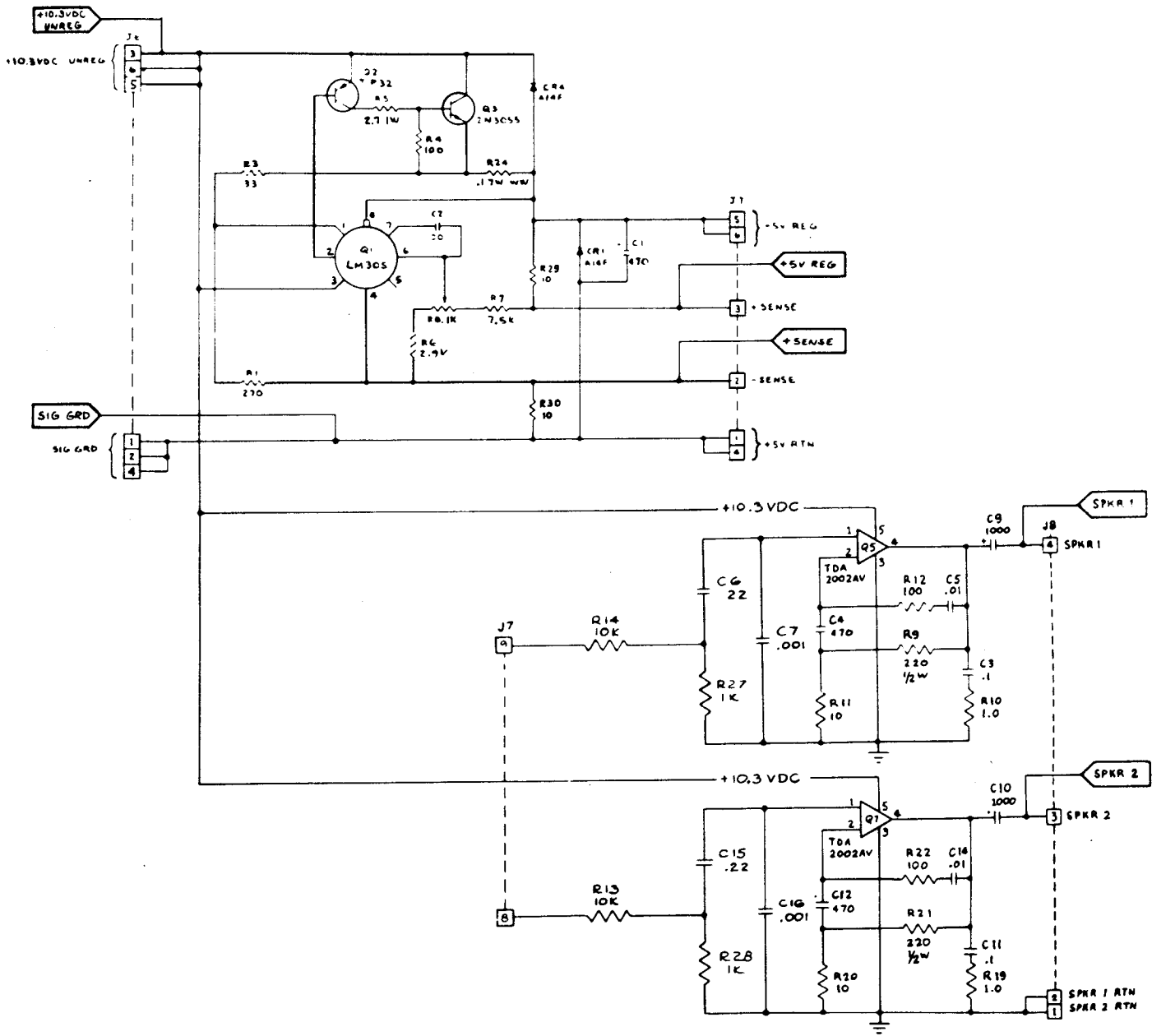
meter to +5 REG test  
nd plus lead to +5 V  
is you can see which  
oltage. Troubleshoot  
arness connector.

pendent audio ampli-  
2002AV amplifier with

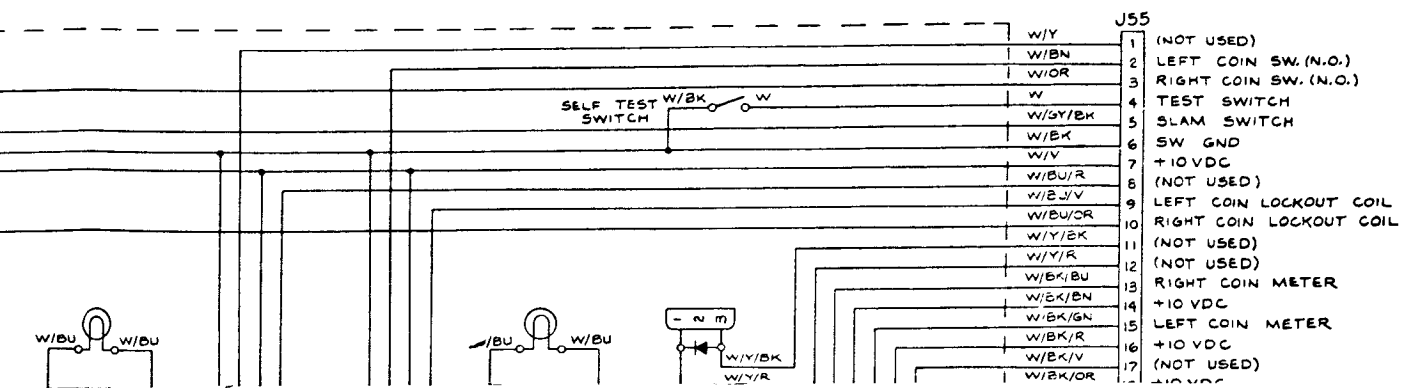
es a test point







# Coin Door Schematic (036835-01 A)



- J55
- 1 (NOT USED)
  - 2 W/BU LEFT COIN SW. (N.O.)
  - 3 W/OR RIGHT COIN SW. (N.O.)
  - 4 W TEST SWITCH
  - 5 W/GY/BK SLAM SWITCH
  - 6 W/BK SW GND
  - 7 W/V +10VDC
  - 8 W/BU/R (NOT USED)
  - 9 W/BU/Y LEFT COIN LOCKOUT COIL
  - 10 W/BU/OR RIGHT COIN LOCKOUT COIL
  - 11 W/Y/EK (NOT USED)
  - 12 W/Y/R (NOT USED)
  - 13 W/BK/BU RIGHT COIN METER
  - 14 W/BK/R +10VDC
  - 15 W/BK/GN LEFT COIN METER
  - 16 W/BK/R +10VDC
  - 17 W/BK/V (NOT USED)
  - 18 W/BK/OR +10VDC