

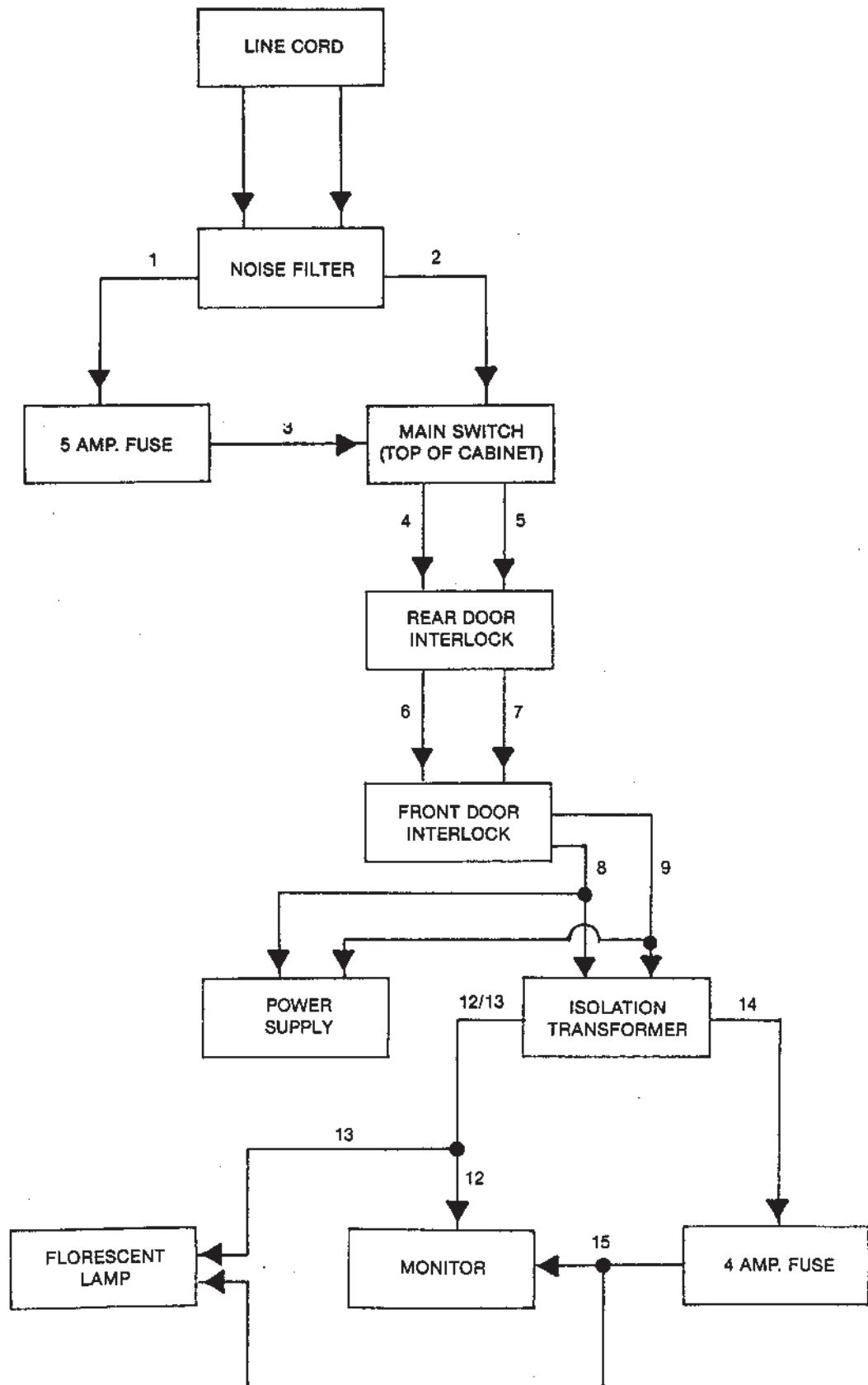
CONTRA™

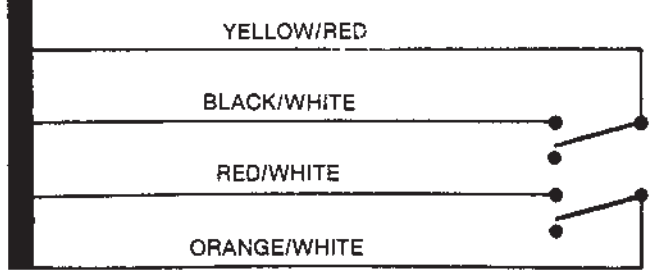
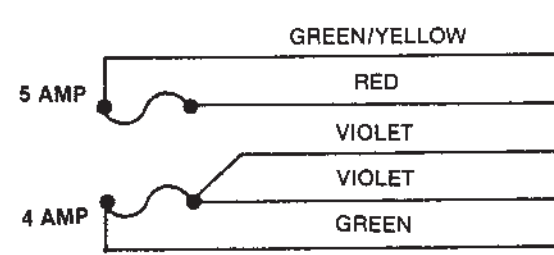
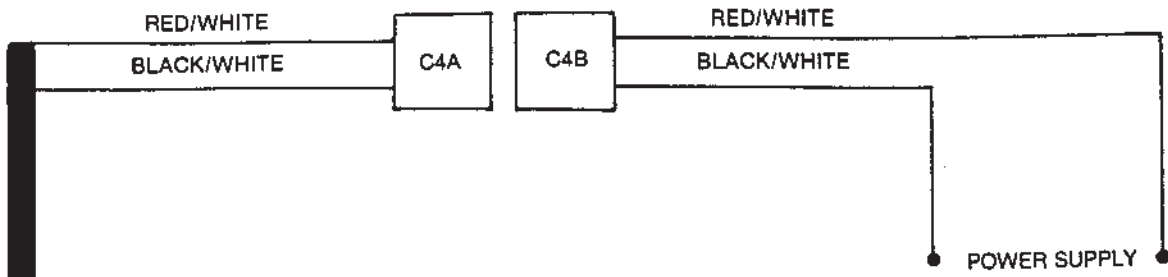


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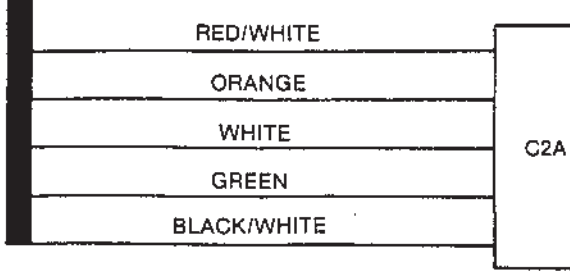
KONAMI'S CABINET AC FLOW CHART

- 1. Green/Yellow
- 2. Black
- 3. Red
- 4. Blue
- 5. Brown
- 6. Yellow/Red
- 7. Orange/White
- 8. Red/White
- 9. Black/White
- 10. None
- 11. None
- 12. White
- 13. Orange
- 14. Green
- 15. Violet

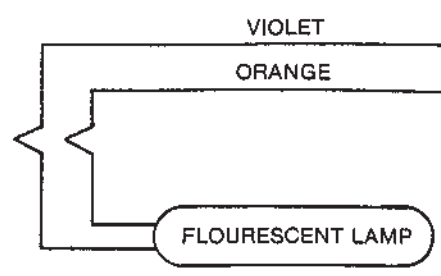
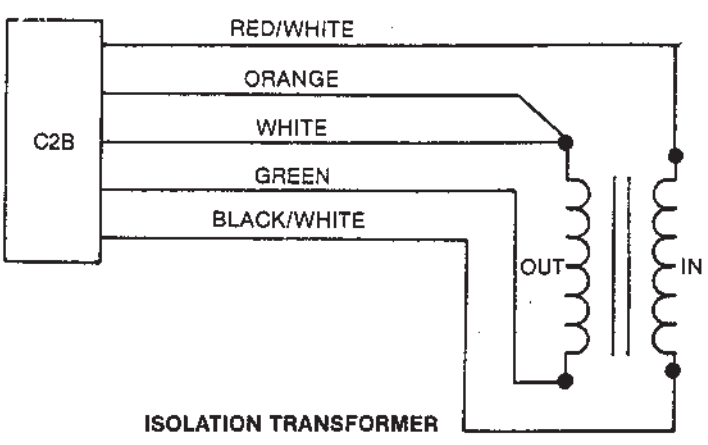
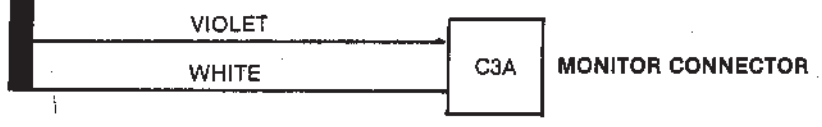
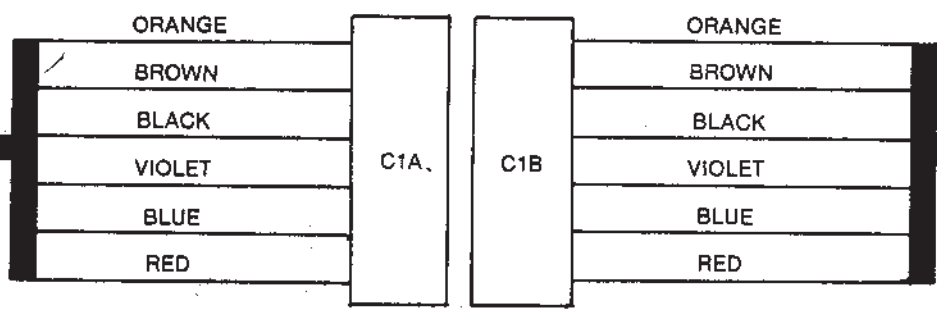
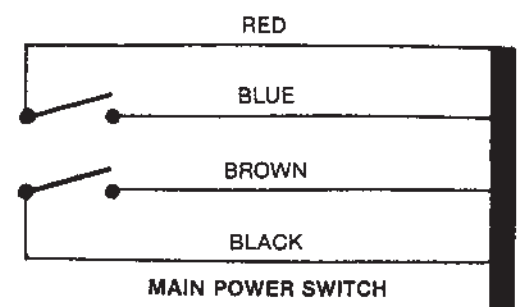
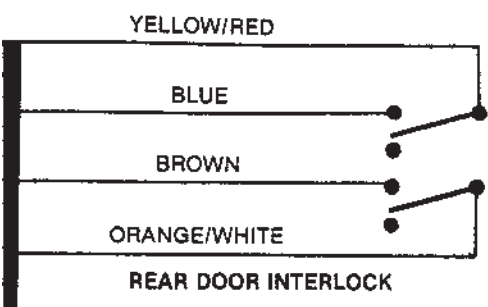
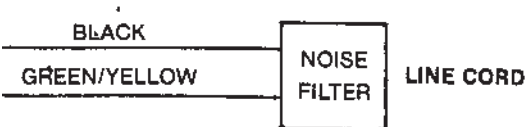




FRONT DOOR INTERLOCK



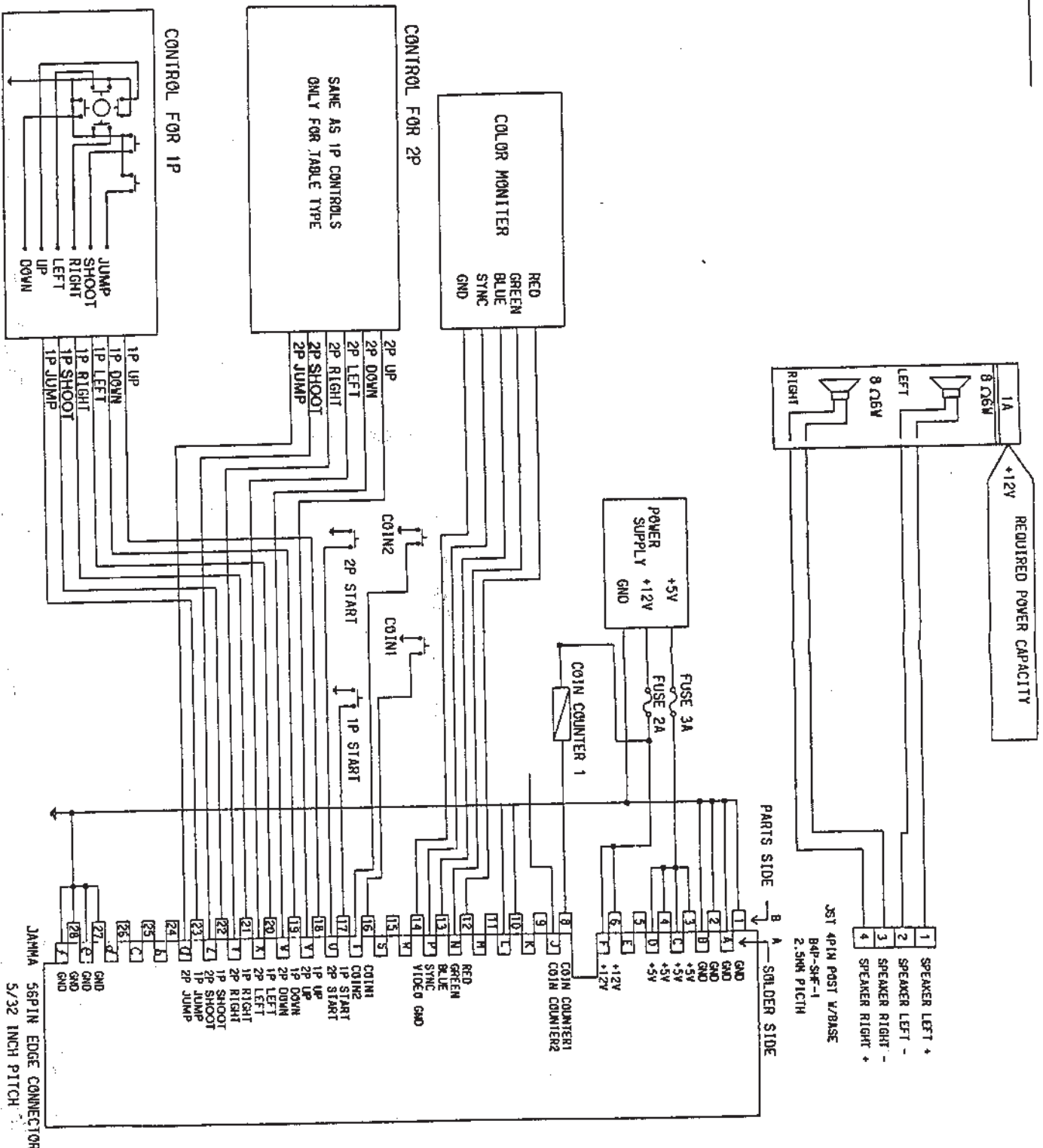
KONAMI'S CABINET AC CABLE



CONTRA

WIRING DIAGRAM

- NOTES -
- 1 1P NO. 1 PLAYER
- 2 2P NO. 2 PLAYER



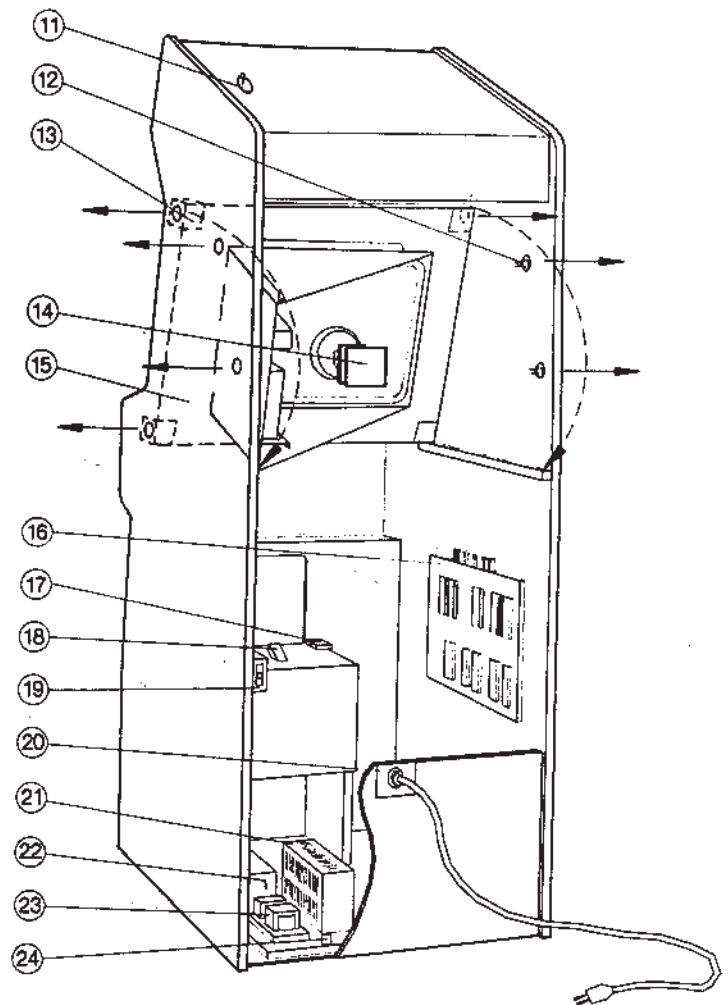
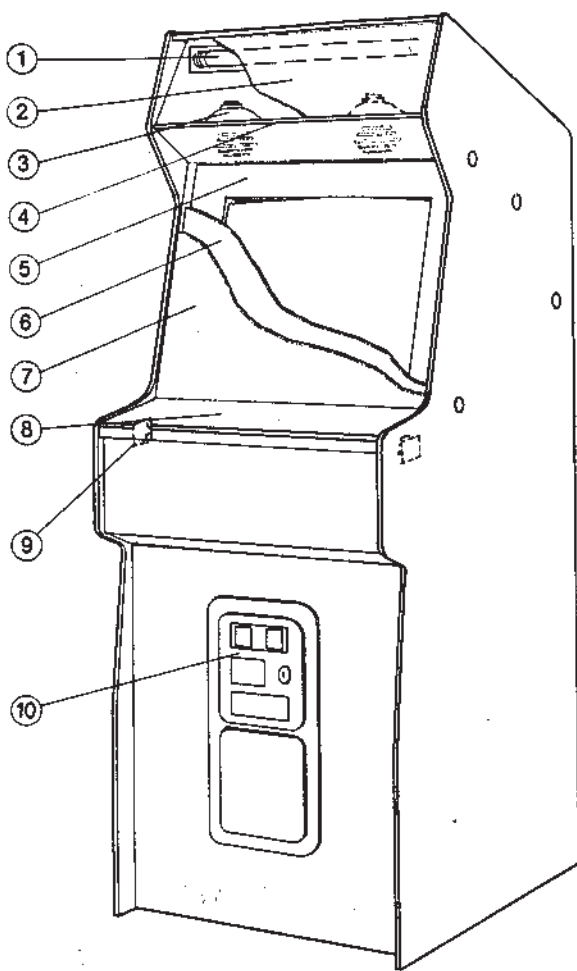
CONTRA: WIRING HARNESS

Solder Side ← → Parts Side

WIRE COLOR KEY:

| | | | | | |
|---------------|----------------|---|----|----------------|--------------|
| BLACK | GND | A | 1 | GND | BLACK |
| BLACK | GND | B | 2 | GND | BLACK |
| RED | +5V DC | C | 3 | +5V DC | RED |
| RED | +5V DC | D | 4 | +5V DC | RED |
| | NOT USED | E | 5 | NOT USED | |
| ORANGE | +12V DC | F | 6 | +12V DC | ORANGE |
| | *KEY | H | 7 | *KEY | |
| BROWN/YELLOW | COIN COUNTER 2 | J | 8 | COIN COUNTER 1 | GREEN/GRAY |
| | (EMPTY) | K | 9 | (EMPTY) | |
| | (EMPTY) | L | 10 | (EMPTY) | |
| | (EMPTY) | M | 11 | (EMPTY) | |
| WHITE/GREEN | VIDEO GREEN | N | 12 | VIDEO RED | RED/WHITE |
| WHITE | VIDEO SYNC | P | 13 | VIDEO BLUE | BLUE/WHITE |
| RED/YELLOW | SERVICE SW | R | 14 | VIDEO GROUND | BLACK |
| | (EMPTY) | S | 15 | (EMPTY) | |
| VIOLET/WHITE | COIN 2 | T | 16 | COIN 1 | BLUE/BROWN |
| RED/GREEN | 2P START | U | 17 | 1P START | PINK/YELLOW |
| BLUE/YELLOW | 2P UP | V | 18 | 1P UP | ORANGE/WHITE |
| VIOLET/YELLOW | 2P DOWN | W | 19 | 1P DOWN | BLACK/WHITE |
| ORANGE/GREEN | 2P LEFT | X | 20 | 1P LEFT | RED/GRAY |
| ORANGE/YELLOW | 2P RIGHT | Y | 21 | 1P RIGHT | GRAY/WHITE |
| BLACK/YELLOW | 2P SHOOT | Z | 22 | 1P SHOOT | PINK/WHITE |
| ORANGE/GRAY | 2P JUMP | a | 23 | 1P JUMP | GREEN/BROWN |
| | NOT USED | b | 24 | NOT USED | |
| | NOT USED | c | 25 | NOT USED | |
| | NOT USED | d | 26 | NOT USED | |
| BLACK | GND | e | 27 | GND | BLACK |
| BLACK | GND | f | 28 | GND | BLACK |

(BASE COLOR/LINE COLOR)



| No. | Konami Part No. | Description |
|-----|-----------------|-------------------------------|
| 1 | KEV-101 | Marquee Florescent Light |
| 2* | KEV-102 | Marquee Plexi |
| 3 | KEV-103 | 8 ohm Speaker x 2 |
| 4 | KEV-104 | Marquee Bracket |
| 5 | KEV-105 | Foam Monitor Bezal |
| 6 | KEV-106 | Tinted Plexi |
| 7 | KEV-107 | Tempered Glass |
| 8* | KEV-108 | Wood Control Panel |
| 9 | KEV-109 | Control Panel Latch (2 piece) |
| 10 | KEV-110 | Over & Under Coin Door |
| 11 | KEV-111 | D.P.D.T. On-Off Switch |
| 12 | KEV-112 | Monitor Bolts x 8 |

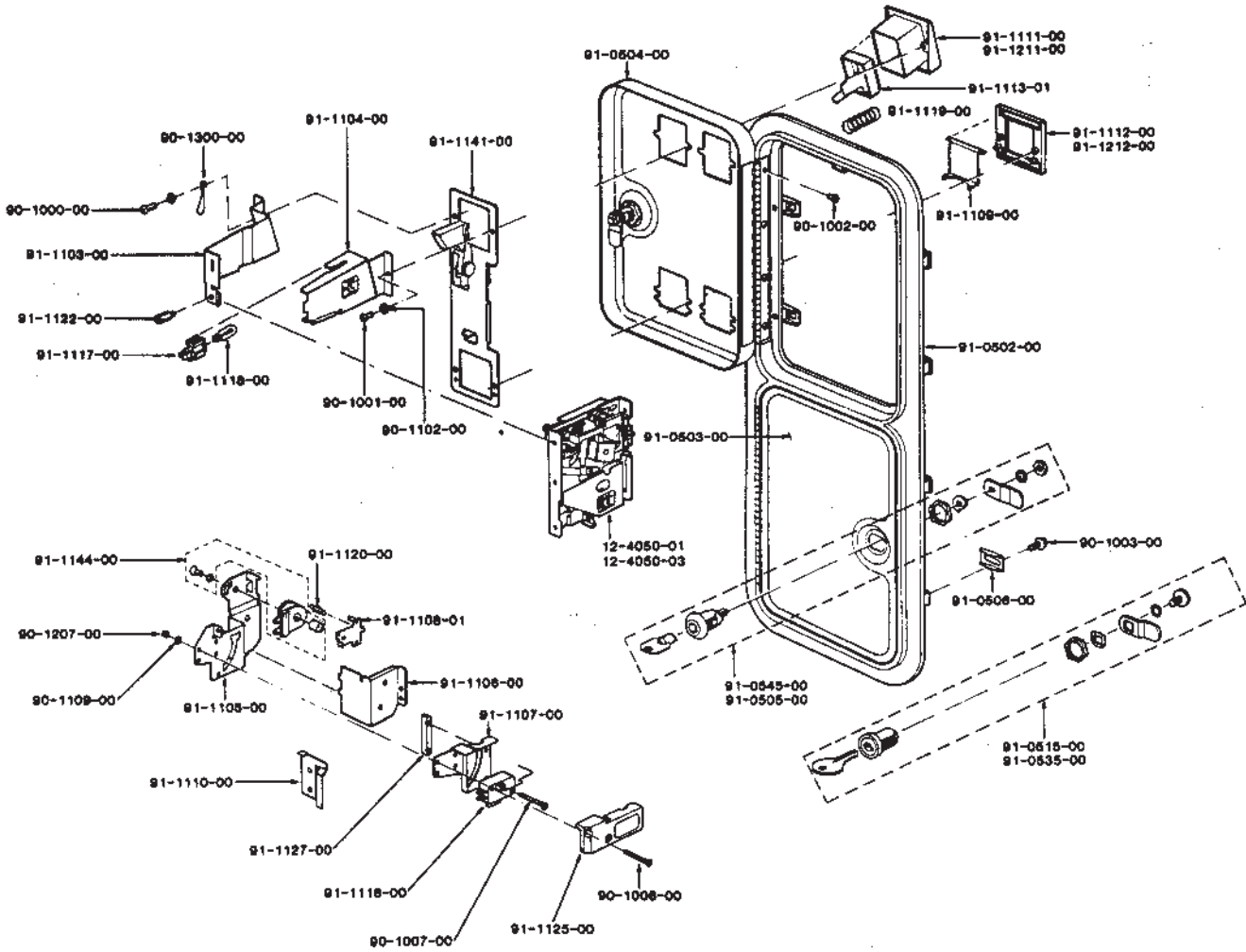
| No. | Konami Part No. | Description |
|-----|-----------------|---------------------------------|
| 13 | KEV-113 | 2-Position Monitor Bracket |
| 14 | KEV-114 | R.G.B. Monitor |
| 15 | KEV-115 | Wooden Monitor Housing |
| 16* | KEV-116 | Game P.C.B. |
| 17 | KEV-117 | D.P.D.T. 2-way Interlock Switch |
| 18 | KEV-118 | 12 Volt Coin Meter |
| 19 | KEV-119 | D.P.D.T. 2-way Interlock Switch |
| 20 | KEV-120 | Line Cord w/Mounting Bracket |
| 21 | KEV-121 | 4 Output Voltage Power Supply |
| 22 | KEV-122 | AC Voltage Fuse Holder x 2 |
| 23 | KEV-123 | Isolation Transformer x 2 |
| 24 | KEV-124 | In-Line Noise Filter |

NOT SHOWN

| | |
|---------|----------------------------------|
| KEV-125 | Marquee Light Shield (Cardboard) |
| KEV-126 | DC Wiring Harness |
| KEV-127 | AC Wiring Harness |

*PLEASE INDICATE NAME OF GAME WHEN ORDERING

COMPLETE COIN DOOR ASSEMBLY EXPLODED VIEW



PARTS LIST

12-4050-01 S-10 Acceptor Body
US 25¢
12-4050-03 S-10 Acceptor Body
Canadian 25¢
20-4177-00 Plastic Cash Box
20-4179-00 Steel Enclosure
22-1400-00 Locking Bar
24-1150-00 Wire Harness
90-1000-00 Keyhook Bezel Screw
90-1001-00 Bezel Screw
90-1002-00 Hinge Screw
90-1003-00 Clamp Screw
90-1007-00 Flat Head Microswitch
Mounting Screw
90-1008-00 Panhead Microswitch
Mounting Screw

90-1102-00 Washer for Bezel Screw
90-1207-00 Nut for Microswitch
Mounting Screw
90-1300-00 Keyhook
91-0502-00 Zinc Die Cast Frame
91-0503-00 Lower Door
91-0504-00 Upper Door
91-0505-00 Round Lock and Cam
Assembly
91-0506-00 Flat Lock and Cam
Assembly
91-0515-00 Flat Lock and Cam
Assembly
91-0535-00 Flat Lock and Cam
Assembly
91-0545-00 Round Lock and Cam
Assembly

91-1103-00 Coin Inlet Lamp Side
91-1104-00 Coin Inlet Cover Side
91-1105-00 Reject Cup Side Plate
91-1106-00 Reject Cup Base Plate
91-1107-00 Microswitch Bracket
91-1108-01 Lockout Flap US 25¢
91-1109-00 Reject Flap
91-1110-00 Metal Switch Adjuster
91-1111-00 Black Button Bezel
91-1112-00 Black Reject Bezel
91-1113-01 Entry/Reject Button
US 25¢
91-1116-00 Microswitch (Black End
Arm)
91-1117-00 Lampholder
91-1118-00 6 Volt Wedge Base Lamp

91-1119-00 Button Spring
91-1120-00 Lockout Spring
91-1122-00 Retaining Screw for
Acceptor Body
91-1125-00 Clear Plastic Cover for
Microswitch
91-1127-00 Plastic Switch Adjuster
91-1141-00 Base Plate With Pivot
and Stud
91-1144-00 6 Volt DC Lockout Coil
Assembly
91-1211-00 Zinc Plated Button Bezel
91-1212-00 Zinc Plated Reject Bezel

QUICK CHANGE MONITOR

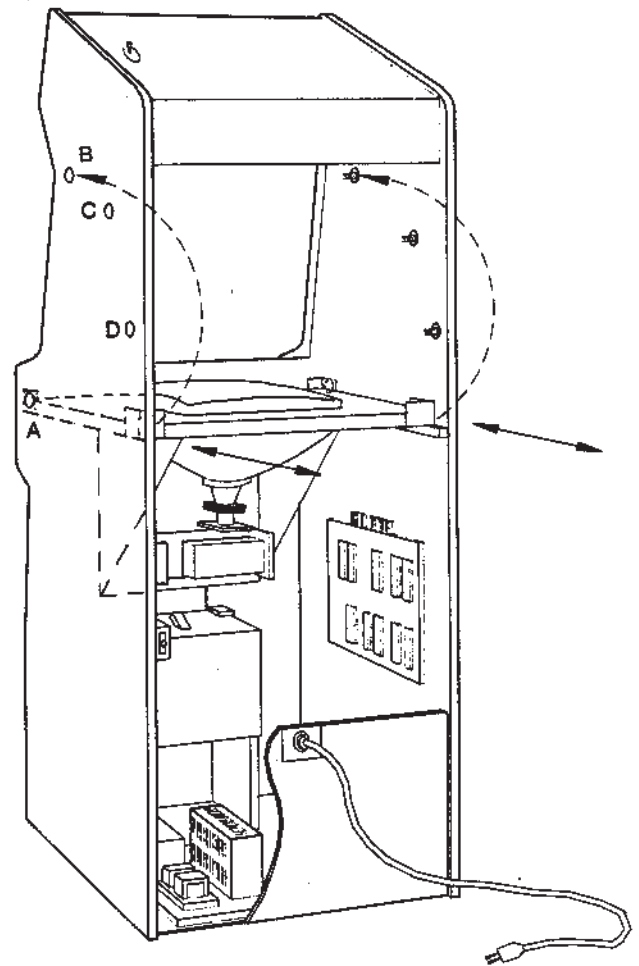
AS ALWAYS, WHEN INVOLVED IN SERVICING OF A VIDEO MONITOR BE EXTREMELY CAREFUL OF THE HIGH VOLTAGE.

The Konami Cabinet has been uniquely designed to be utilized for a horizontal or vertical monitor game. The Konami Cabinet is built with a vertical style monitor which is mounted on a 22½" by 22½" square mounting board. The monitor mounting board has a 13 gauge steel two-way bracket in each corner. Since the monitor board is square and the brackets are mirror-imaged, the monitor can be quickly and easily converted from vertical to horizontal or vice-versa.

1. Make sure the power line cord is unplugged.
2. Remove back door and control panel.
3. Remove tempered glass, tinted plexi, and foam bezel.
4. Disconnect all wires leading to the monitor.
5. Disconnect all wires leading to the top of the cabinet.
6. Remove bolts 'B', 'C', and 'D' from each side of the cabinet.
7. Lower the top part of the monitor down, leaving the pivoting bolt 'A' in place, until the monitor rests on the shelf (as shown in figure to the right).
8. Remove bolts 'A' and the monitor is free to slide out of the cabinet.
9. Turn monitor to desired position.

NOTE: When mounting the monitor vertically; monitor chassis should be toward the bottom of the cabinet.
When mounting the monitor horizontally; monitor chassis should be to your left when looking in the back of the cabinet.

10. Slide monitor back into the cabinet.
11. Secure bottom of monitor with bolts 'A'.
12. Depending on desired angle secure top of monitor bolts
B $\approx 70^\circ$
C $\approx 40^\circ$
D $\approx 15^\circ$
13. Reconnect all wires.



CONTRA

DIP SWITCH SETTINGS

DIP SWITCH NO. 1 SETTINGS

1. COIN.1

| SW | 1 | 2 | 3 | 4 | COIN | PLAY |
|----|-----|-----|-----|-----|----------|------|
| ● | OFF | OFF | OFF | OFF | 1 | 1 |
| | ON | OFF | | | 1 | 2 |
| | OFF | ON | | | 1 | 3 |
| | ON | ON | | | 1 | 4 |
| | OFF | OFF | ON | OFF | 1 | 5 |
| | ON | OFF | | | 1 | 6 |
| | OFF | ON | | | 1 | 7 |
| | ON | ON | | | 2 | 1 |
| | OFF | OFF | OFF | ON | 2 | 3 |
| | ON | OFF | | | 2 | 5 |
| | OFF | ON | | | 3 | 1 |
| | ON | ON | | | 3 | 2 |
| | OFF | OFF | ON | ON | 3 | 4 |
| | ON | OFF | | | 4 | 1 |
| | OFF | ON | | | 4 | 3 |
| | ON | ON | | | FREEPLAY | |

2. COIN.2

| SW | 5 | 6 | 7 | 8 | COIN | PLAY |
|----|-----|-----|-----|-----|------|------|
| ● | OFF | OFF | OFF | OFF | 1 | 1 |
| | ON | OFF | | | 1 | 2 |
| | OFF | ON | | | 1 | 3 |
| | ON | ON | | | 1 | 4 |
| | OFF | OFF | ON | OFF | 1 | 5 |
| | ON | OFF | | | 1 | 6 |
| | OFF | ON | | | 1 | 7 |
| | ON | ON | | | 2 | 1 |
| | OFF | OFF | OFF | ON | 2 | 3 |
| | ON | OFF | | | 2 | 5 |
| | OFF | ON | | | 3 | 1 |
| | ON | ON | | | 3 | 2 |
| | OFF | OFF | ON | ON | 3 | 4 |
| | ON | OFF | | | 4 | 1 |
| | OFF | ON | | | 4 | 3 |
| | ON | ON | | | VOID | |

DIP SWITCH NO. 2 SETTINGS

SW3: NOT USED

1. THE NUMBER OF THE PLAYER'S LIFE

| SW | 1 | 2 | NUMBER |
|----|-----|-----|--------|
| ● | OFF | OFF | 2 |
| | ON | OFF | 3 |
| | OFF | ON | 5 |
| | ON | ON | 7 |

3. BONUS LIFE

| SW | 4 | 5 | BONUS LIFE |
|----|-----|-----|--------------------------------------|
| ● | OFF | OFF | at 30,000 pts, then every 70,000 pts |
| | ON | OFF | at 40,000 pts, then every 80,000 pts |
| | OFF | ON | at 40,000 pts only |
| | ON | ON | at 50,000 pts only |

4. DIFFICULTY OF THE GAME

| SW | 6 | 7 | DIFFICULTY |
|----|-----|-----|----------------|
| ● | OFF | OFF | EASY |
| | ON | OFF | NORMAL |
| | OFF | ON | DIFFICULT |
| | ON | ON | VERY DIFFICULT |

5. SOUND IN ATTRACTIVE MODE

| SW | 8 | SOUND |
|----|-----|-------|
| ● | OFF | OFF |
| | ON | ON |

DIP SWITCH NO. 3 SETTINGS

SW2: NOT USED

1. VIDEO SCREEN FLIP

| SW | 1 | |
|----|-----|-------------|
| ● | OFF | NORMAL |
| | ON | UPSIDE DOWN |

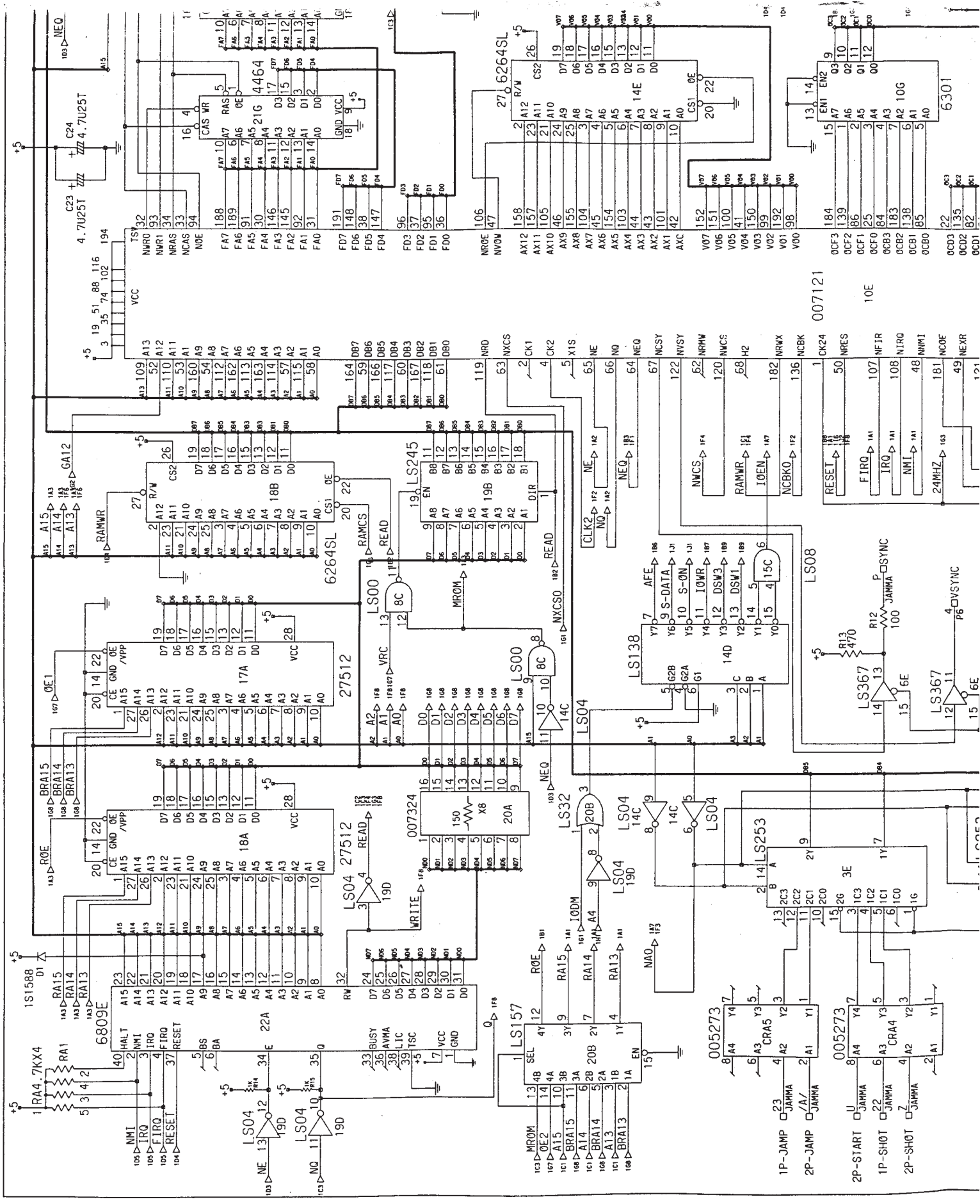
3. CHANGE OF MODE

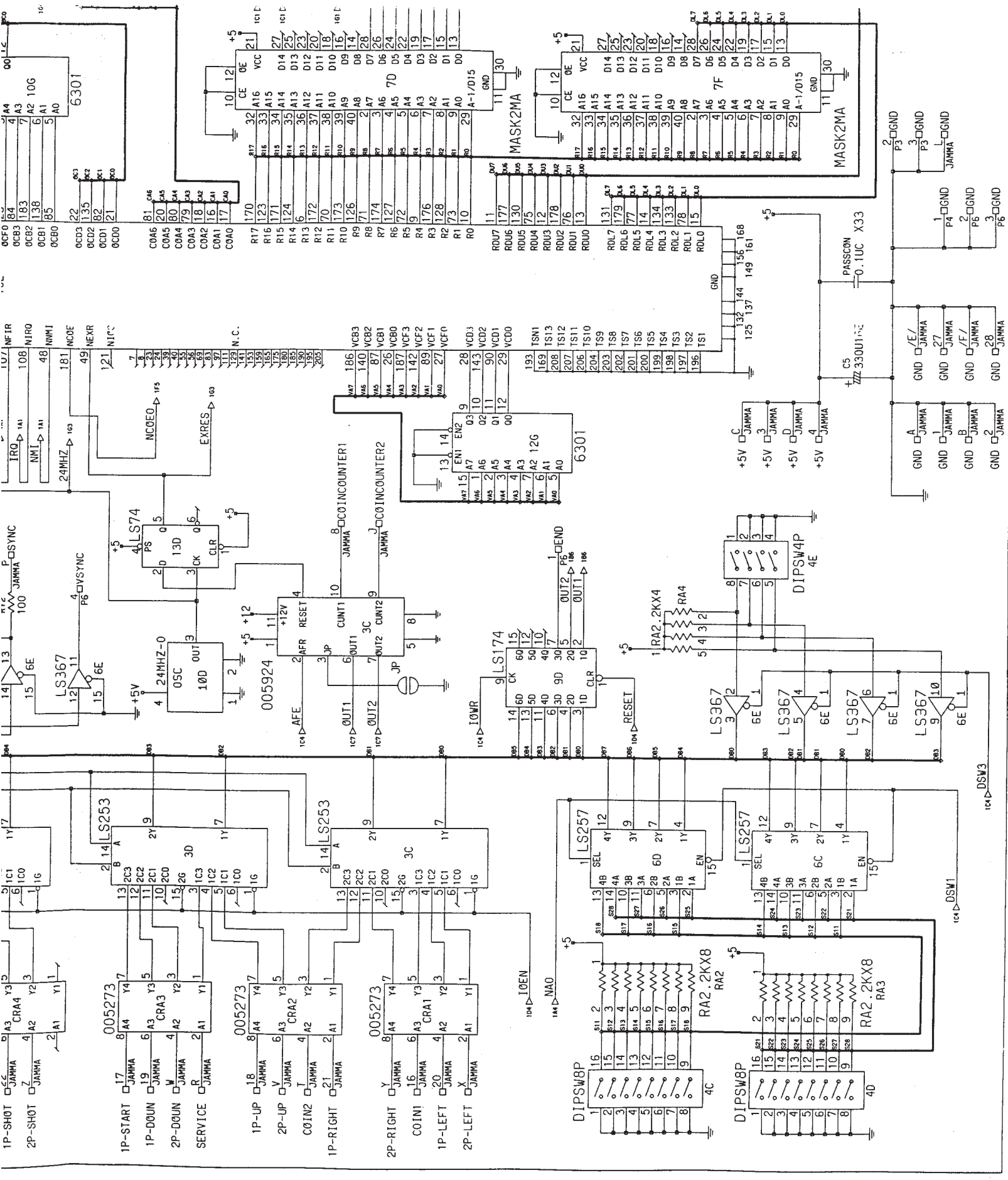
| SW | 3 | MODE |
|----|-----|-----------|
| ● | OFF | GAME MODE |
| | ON | TEST MODE |

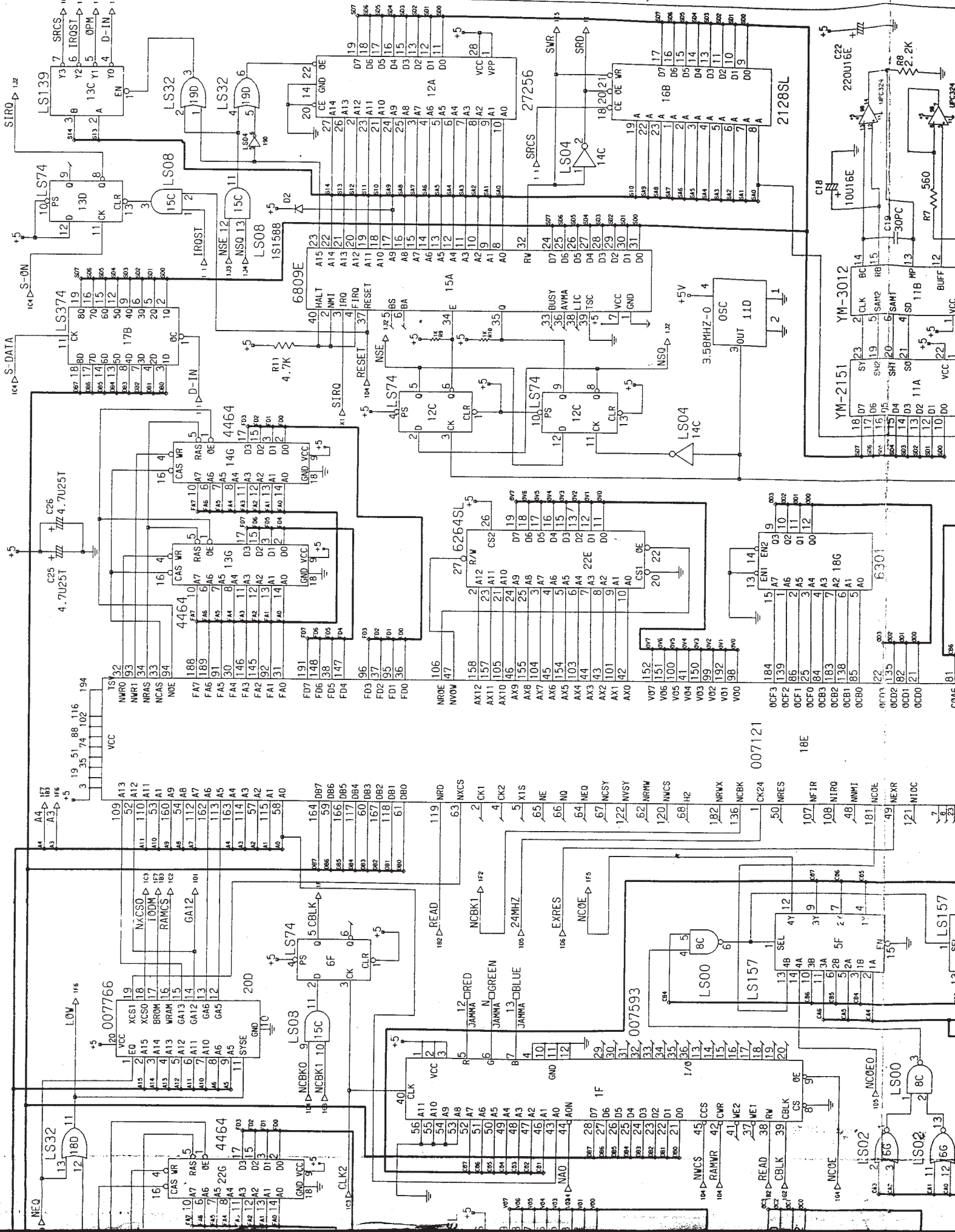
4. SOUND MODE

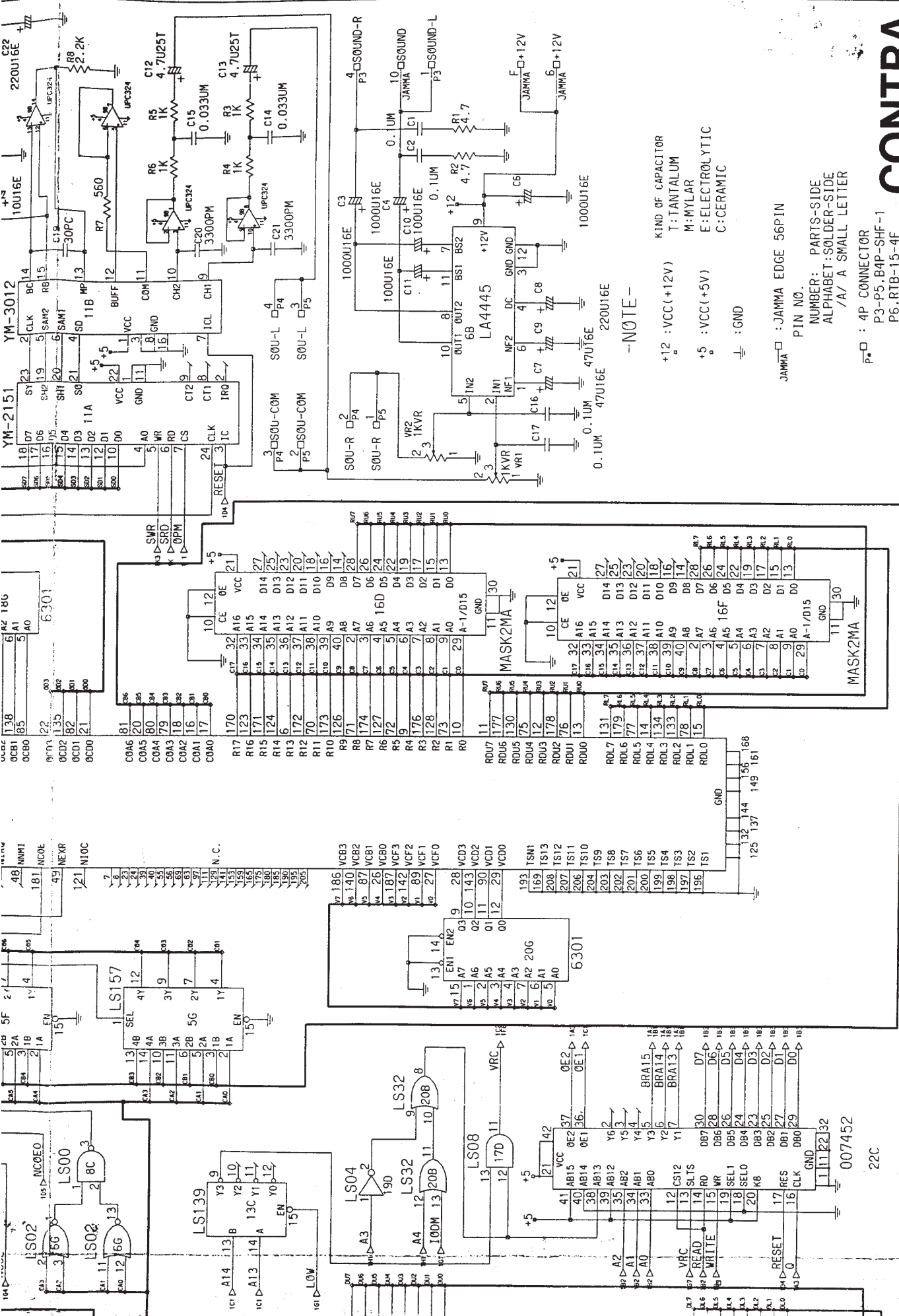
| SW | 4 | SOUND MODE |
|----|-----|------------|
| ● | OFF | STEREO |
| | ON | MONAURAL |



● SHOWS NORMAL SETTING









| | | | | | | |
|---|--|--------|---------------------------|---|-------|------------|
|  | | | KONAMI INDUSTRY CO., LTD. | | | |
| | | | DESIGN | DRAW | CHECK | APPROVE |
| M. YA | | M. YA | |  SCALE: . | | |
| MAMOTO | | MAMOTO | | | | TOLE-RANCE |

CONTRA

P-D : 4P CONNECTOR
 P3-P5, B4P-SHF-1
 P6, RTB-15-4F

- KIND OF CAPACITOR
 T: TANTALUM
 M: MYLAR
 E: ELECTROLYTIC
 C: CERAMIC

-NOTE-

- +12 : VCC(+12V)
- +5 : VCC(+5V)
- GND : GND

JAMMA □ : JAMMA EDGE 56PIN

PIN NO.

NUMBER: PARTS-SIDE
 ALPHABET: SOLDER-SIDE
 /A/ A SMALL LETTER