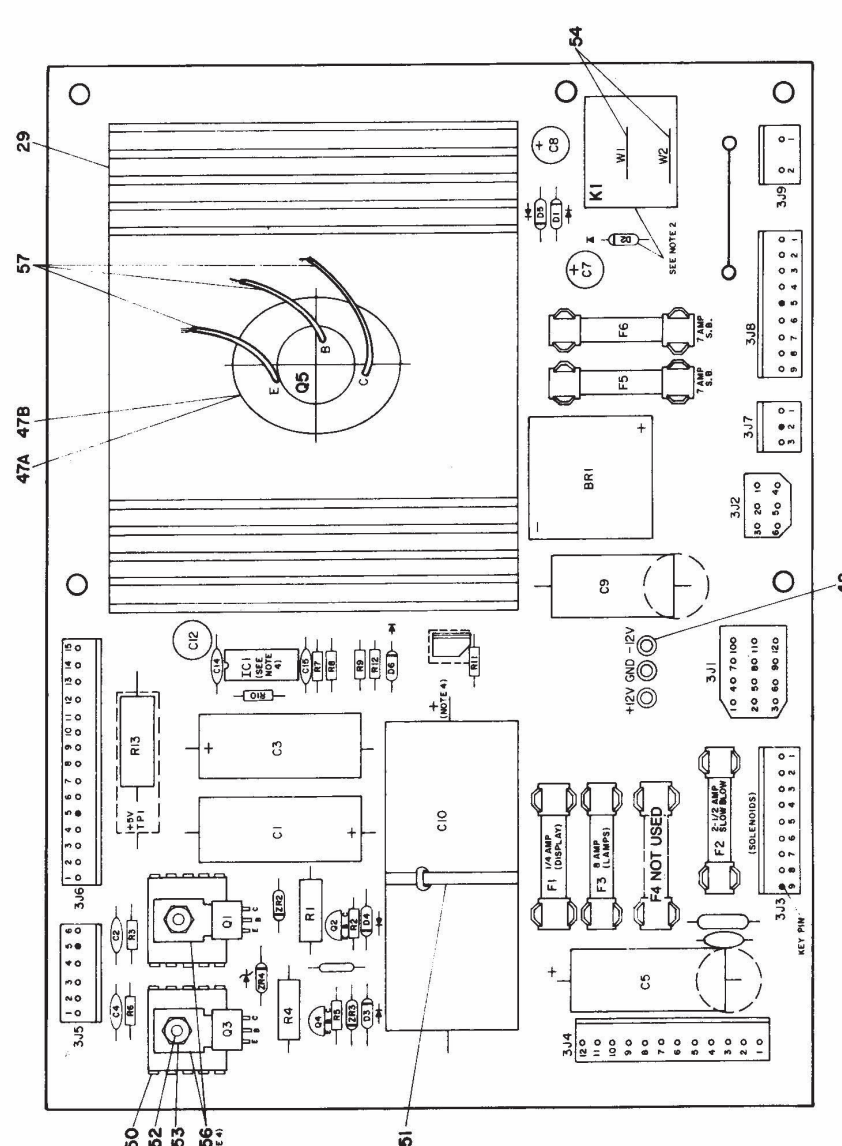
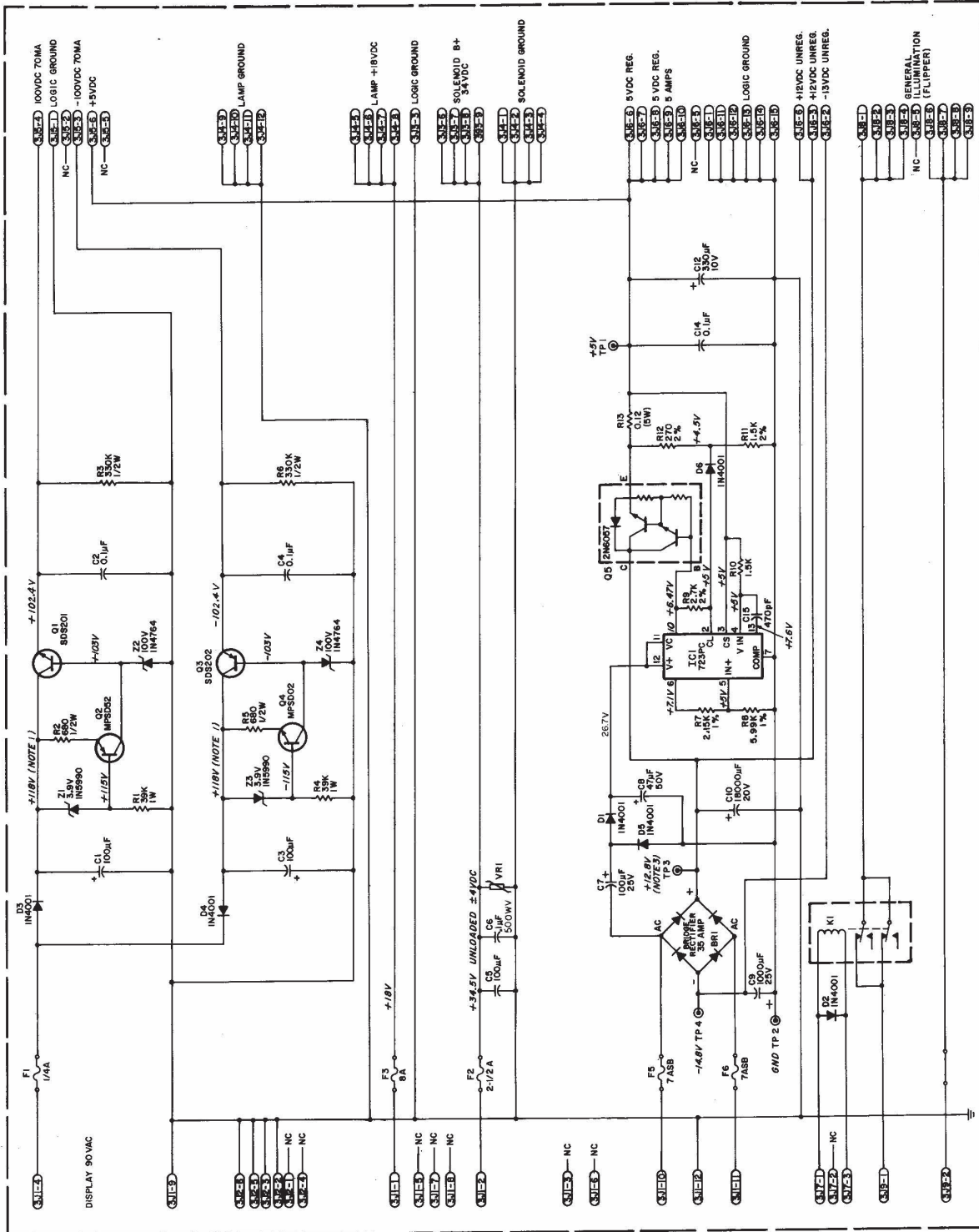


BILL OF MATERIAL

ITEM NO.	PART DESCRIPTION	PART DESCRIPTION	REC'D NO.
1	5765-09466	BARE P.C. BOARD	1
2	5013-09426	RESISTOR, 2-15K, 1Z, 1/4 W, METAL FILM	1
3	5013-09427	RESISTOR, 4-99K, 1Z, 1/4 W, METAL FILM	1
4	5010-09428	RESISTOR, 1-5K, 2Z, 1/4 W, CARBON FILM	1
5	5010-09085	RESISTOR, 2-7K, 2Z, 1/4 W, CARBON FILM	1
6	5010-09581	RESISTOR, 270 OHM, 2Z	1
7	5010-09588	RESISTOR, 270 OHM, 2Z	1
8	5012-09429	POWER RESISTOR, 0-12 OHM, 5Z, 5W	1
9	5010-09536	RESISTOR, 39K, 5Z, 1 W	2
10	5010-09061	RESISTOR, 680 OHM, 2 W	2
11	5010-09069	RESISTOR, 330K, 5Z, 1/2 W	2
12	5040-09419	CAP., ELECTROLYTIC, 18,000 MFD, 20V, AXIAL	1
13	5040-09420	CAP., ELECTROLYTIC, 1,000 MFD, 50V, AXIAL	1
14	5040-09423	CAP., ELECTROLYTIC, 330 MFD, 10V, RADIAL	1
15	5043-09065	CAPACITOR, 470 PFD	1
16	5040-09053	CAPACITOR, 100 MFD, ELECT., 150V	2
17	5040-09070	CAPACITOR, 100 MFD, ELECT., 100V, AXIAL OR RADIAL	1
18	5043-09537	CAPACITOR, 0.1 MFD, 50V, DISC.	1
19	5070-09446	DIODE, IN4001	6
20	5070-06258	ZENER, IN5900, 3.9V, 5Z	2
21	5075-09059	ZENER, IN674, 100V, 5Z	2
22	5066-09060	ZENER, IN674, 100V, 5Z	2
23	5063-09463	POTENTIOMETER, 100K, 200K, PC	1
24	5040-09421	CAPACITOR, 100 MFD, 25V, RADIAL	1
25	5164-09057	TRANSISTOR, SDS 201 NPN	1
26	5164-09056	TRANSISTOR, MFS D02 NPN	1
27	5194-09058	TRANSISTOR, SDS 202 PNP	1
28	5194-09055	TRANSISTOR, MFS D52 PNP	1
29	5705-04431	HEAT SINK	1
30	5791-09067	CONNECTOR, 6 PIN (H)	1
31	5791-09074	CONNECTOR, 15 PIN (H)	1
32	5791-09078	CONNECTOR, 6 PIN (H)	2
33	5791-09038	CONNECTOR, 6 PIN (H)	1
34	5162-09425	TRANSISTOR POWER, 2N6087 NPN	1
35	5791-09043	CONNECTOR, 12 PIN (H)	1
36	5791-09435	CONNECTOR, 3 PIN (H)	1
37	5791-09436	CONNECTOR, 2 PIN (H)	1
38	5791-09068	CONNECTOR, 12 PIN	1
39	5732-09178	FUSE HOLDER	14
40	5731-09128	FUSE, 2-1/2 AMP, S.B.	1
41	5731-09071	FUSE, 8 AMP	1
42	5731-09071	FUSE, 8 AMP	1
43	5731-09071	FUSE, 8 AMP	1
44	5731-08761	FUSE, 20 AMP	1
45	5017-09061	VARIABLE RESISTOR	1
46	5700-09445	SOCKET	1
47A	5701-09538	MICA INSULATOR	1
47B	5701-09538	RELAY, 24 VDC, 10 AMP, DPDT	3
48	5586-09555	TERMINAL, #1502-1 (TEST POST)	1
49	5824-09248	BRIDGE RECTIFIER, 35 AMP, 100V	1
50	5100-09418	HEAT SINK	2
51	5705-09042	TIE WIRE	2
52	3A-7520-1	5-40 X 7/16 R.H. MECH. SCREW	2
53	400F-01016-07	3/8 HEX NUT W/ LOCK WASHER	2
54	4409-01117	CONNECTOR, 4.7 MFD, 50V, RADIAL	2
55	5040-09422	THERMAL COMPOUND	1
56	20-9229	LEAD WIRE, #18 AWG (3'')	3
57	5731-09432	FUSE, 7A, S.B., 250V	2



- NOTES:
1. HEAT SINK COMPOUND MUST BE APPLIED BETWEEN TRANSISTOR AND HEAT SINK.
 2. FOR BLACKOUT AND FUTURE GAME WITH SAME FEATURE REMOVE JUMPERS (W1 & W2)
 3. AND INSERT RELAY K1, DIODE, D2 AND 3J7.
 4. OBSERVE INDEX MARK OF INTEGRATED CIRCUIT, POLARITY OF CAPACITORS, DIODE AND POSITION OF TRANSISTORS.
 5. AND POSITION OF TRANSISTORS.
 6. REFERENCE DWG'S: SCHEMATIC 16-8786.



1. DISPLAY VOLTAGE MEASURED WITH DIGITS DISPLAY TEST ON & DISPLAYS AT ALL ZEROS.
2. UNLESS OTHERWISE INDICATED ALL RESISTORS ARE IN OHMS (1% TOLERANCE). RESISTOR NOT TO 00 POWER THAN +0.5V OR INTERMITTENT RESET WILL OPERATE
3. LOWER THAN +0.5V OR INTERMITTENT RESET WILL OPERATE