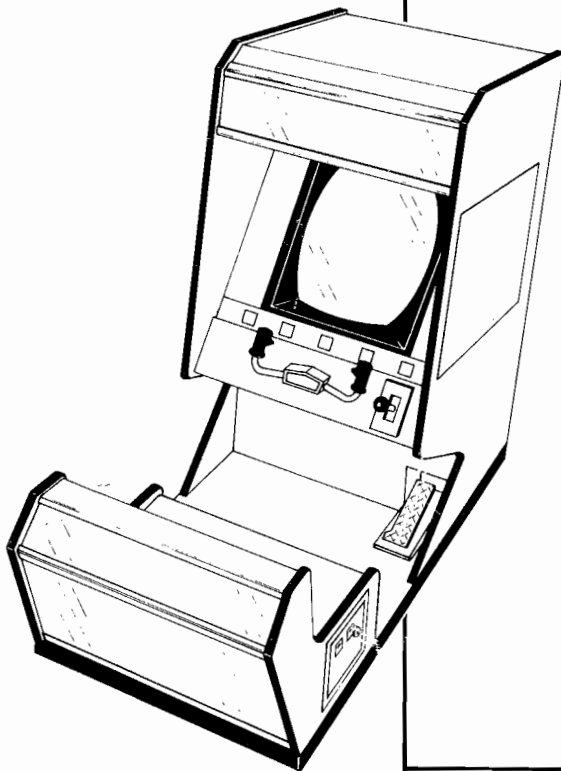
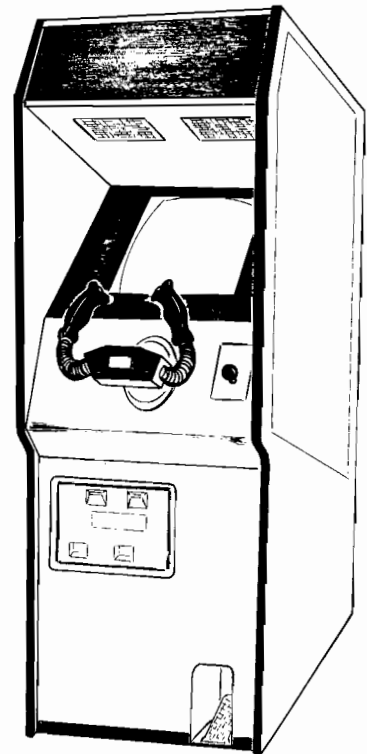


SPY HUNTER

Parts and Operating Manual



NO. 307
SIT DOWN



NO. A27
UPRIGHT

Bally

MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.



Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

WARNING

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

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a CLASS A computing device pursuant to SUBPART J of PART 15 of FCC RULES, which are designed to provide reasonable protection against such interference when operated in a commercial environment. 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.

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 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.

Bally MIDWAYTM

Invites You To Use

**OUR TOLL FREE NUMBERS FOR
SERVICE INFORMATION CONCERNING THIS GAME, OR ANY
OTHER BALLY MIDWAY GAME YOU NOW HAVE ON LOCATION.**

**CALL US FOR PROMPT, COURTEOUS
ANSWERS TO YOUR PROBLEMS.**

VIDEO ———▶ Continental U.S. 1-800-323-7182

PINBALL ———▶ Continental U.S. 1-800-323-3555

Bally MIDWAYTM

10601 West Belmont Avenue, Franklin Park, Illinois, 60131

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SPY HUNTER

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SPY HUNTER

GAME OPERATION

ATTRACT MODE

1. The Attract mode starts:
 - ☐ Just after power has been turned on to the game. (Self-Test switch is in the "OFF" position.)
 - ☐ After a Self-Test has been completed and there are no more credits left in the games memory.
 - ☐ After a play has been finished, the score was not high enough to put the game into the High Score/Initial mode, and there are no more credits left in the games memory.
 - ☐ After the High Score/Initial mode when there are no more credits left in its memory.
 - ☐ No matter where the game is in the Attract mode sequence, it will immediately go to the Ready-To-Play mode display as soon as a game has been paid for.

READY-TO-PLAY MODE

1. The Ready-To-Play mode starts when enough coins have been accepted for a 1 player game.
2. The Ready-To-Play mode ends when the "WEAPONS VAN" push button is pressed (it also serves as a "START" button).

PLAY MODE

1. The Play mode begins when the "WEAPONS VAN" push button is pressed (it also serves as a "START" button).
2. The Play mode ends when all of your CARS have been eliminated. When this happens, "GAME OVER" is written across the monitor screen.

HIGH SCORE/INITIAL MODE:

If your score was high enough to become one of the ten best scores, the game will go into the High Score/Initial mode immediately after the "GAME OVER" display. If your score is not high enough to cause the game to go into the High Score/Initial mode, it will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

Follow the ON-SCREEN instructions to enter your initials next to your score in the league of the best ten players to date.

After the High Score/Initial mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

SPY HUNTER

SCORING

DESCRIPTION	POINTS AWARDED	NOTES
BUMPER CAR	150 POINTS	ON THE ROAD
TIRE SLASHER	150 POINTS	ON THE ROAD
LIMO	500 POINTS	ON THE ROAD
SPEED BOAT	150 POINTS	IN THE WATER
TORPEDO BOAT	500 POINTS	IN THE WATER
HELICOPTER	700 POINTS	ROAD & WATER
STAYING ON ROAD	15 POINTS	FOR EACH 1/4 SCREEN TRAVELED
STAYING IN WATER	25 POINTS	FOR EACH 1/4 SCREEN TRAVELED

SPY HUNTER

OPTION SWITCH SETTINGS

//////////////////////////////////SWITCH NO. 1 - AT B 3 - LOCATED ON SOUND I/O P.C. BOARD//////////////////////////////////

DURING GAME PLAY:

SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8	SW#9	SW#10
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

FREEZE VIDEO
**NORMAL OPERATION

ON
OFF

//////////////////////////////////SWITCH NO. 3 - AT D 14 - LOCATED ON SOUND I/O P.C. BOARD//////////////////////////////////

	SW#1	*SW#2	*SW#3	*SW#4
**NORMAL OPERATION	OFF			
SOUND I/O DIAGNOSTIC MODE	ON			

**NORMAL OPERATION
RAM/ROM TEST
INDICATES TEST RESULTS VIA
YELLOW L E D ON SOUND I/O
BOARD:
FAST FLASH = BAD ROM
SLOW FLASH = BAD RAM

OFF
ON

**NORMAL OPERATION
OSCILLATOR TEST

OFF
ON

**NORMAL OPERATION
FILTER TEST

OFF
ON

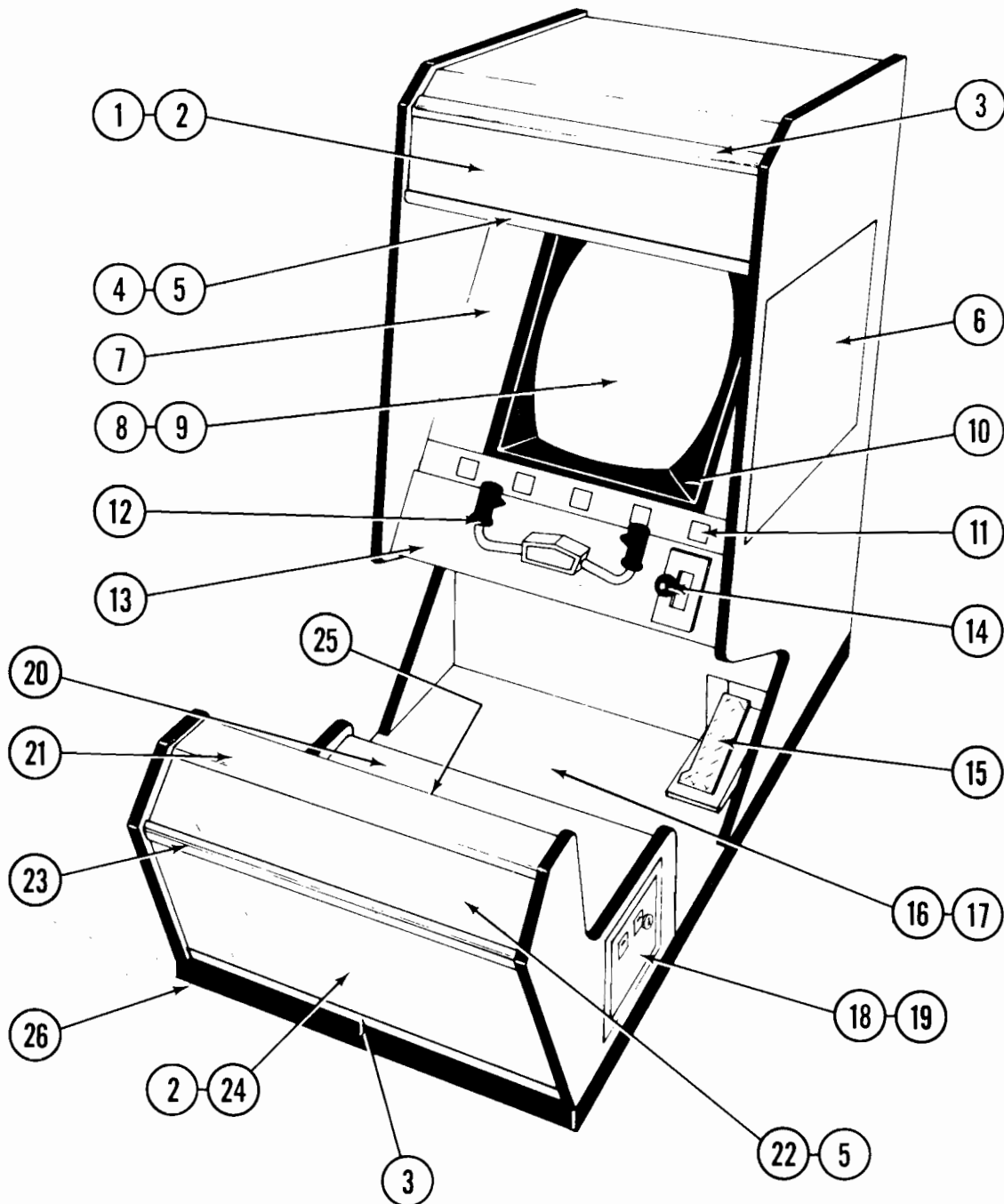
*NO EFFECT IF SW#1 OF SWITCH NO. 3 IS IN THE "OFF" POSITION.

**FACTORY RECOMMENDED SETTINGS.

PART NO. M051-00307-A007

THE REMAINDER OF YOUR NEW GAME'S MOST COMMON OPTION SETTINGS ARE CONDUCTED DURING
THE **MACHINE SETUP** PORTION OF THE SELF-TEST MODE.

NO. 307 - SPY HUNTER SIT DOWN - FRONT



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

NO. 307 - SPY HUNTER SIT DOWN - FRONT PARTS LIST

ORDER BY PART NUMBER ONLY

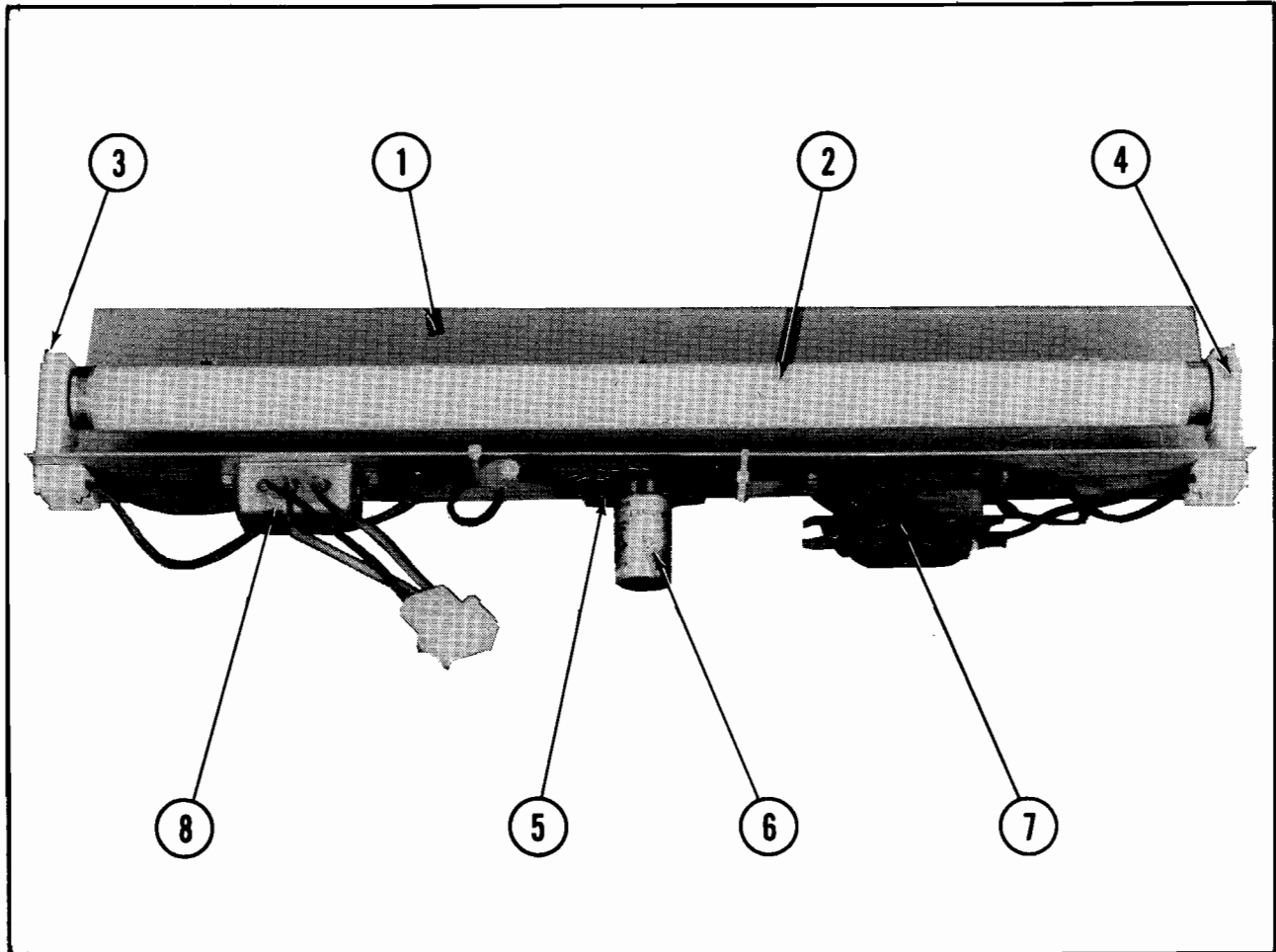
ITEM	PART NO.	DESCRIPTION
1	0307-00902-00XF	HEADER GLASS - MAIN
2	A595-00011-0000	HEADER FLUORESCENT LIGHT ASSY. (3 REQ'D)
3	0336-00103-00XF	HEADER RETAINER BRKT. (2 REQ'D)
	0017-00101-0138	#8X5/8 TORX PAN HD. TAMPER PROOF SCREW (4 REQ'D)
4	A307-00014-00XF	FRONT SPEAKER GRILLE ASSY.
5	0017-00003-0430	6"X9" SPEAKER 4 OHM, 10W (4 REQ'D)
	0017-00101-0136	#8-32X1-1/4 CARRIAGE BOLT (24 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (24 REQ'D)
6	0307-00913-0100	DECAL - RIGHT
	0307-00913-0200	DECAL - LEFT
7	0307-00905-00XF	MAIN VIEWING GLASS
8	0017-00003-0339	ELECTROHOME - 19" COLOR HORIZ MONITOR (OR)
	0017-00003-0439	WELLS-GARDNER - 19" COLOR HORIZ MONITOR (OR)
	0017-00003-0454	ZENITH - 19" COLOR HORIZ MONITOR
	0349-00101-0000	MONITOR SUPPORT RAIL (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD M.S. (8 REQ'D)
9	0314-00902-0000	PLEXI - GLASS
	0508-00901-0000	PLEXI - GLASS MTG CLIPS (4 REQ'D)
	0017-00101-0017	#6X1/2 BLK SLT HEX HD SCR (4 REQ'D)
10	0307-00918-0000	T.V. BEZEL
11	A307-00044-0000	LIGHT PANEL ASSY.
	0360-00935-0000	SMALL SHADOW BOX (5 REQ'D)
	0017-00003-0219	#194 WEDGE BASE LAMP -14V., .27A. (5 REQ'D)
	0017-00031-0030	WEDGE BASE LAMP SOCKET (5 REQ'D)
12	A307-00018-0000	WELD STUD & CONTROL SHELF ASSY.
	0307-00911-0000	DECORATIVE OVERLAY
	0307-00132-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0307-00132-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PINS (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (2 REQ'D)
	0610-00132-00ZN	STRIKE (2 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD SCR (12 REQ'D)
	0307-00117-00XF	CONTROL SHELF HINGE
13	A307-00042-0000	CONTROL HANDLE ASSY.
14	A307-00038-0000	GEAR SHIFT ASSY.
15	A307-00033-0000	ACCELERATOR PEDAL ASSY.
16	0307-00116-0000	FLOOR
17	0307-00917-0000	DECORATIVE FLOOR OVERLAY
	0017-00101-0138	#8X5/8 TORX PAN HD. TAMPER PROOF SCR (8 REQ'D)
18	A982-00014-0004	50 ¢ DOUBLE COIN DOOR & CABLE ASSY.
	0017-00009-0477	MOLDED CASH BOX
	A894-00025-0000	CASH BOX COVER ASSY.
	A894-00024-0000	CASH BOX SIDE CHANNEL ASSY. - LONG
	0894-00121-0000	CASH BOX SIDE CHANNEL - LONG
19	0090-00002-04BK	LARGE COIN DOOR FRAME
	0017-00101-0121	#6-32X5/16 PHIL TRS HD SCR. (3 REQ'D)(MOUNTS COIN DOOR TO FRAME)
20	0307-00919-0000	SEAT ARRANGEMENT

NO. 307 - SPY HUNTER SIT DOWN - FRONT PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO	DESCRIPTION
21	0307-00121-00XF	SEAT COPING
22	0307-00903-00XF	REAR SEAT HEADER - INSTRUCTIONS
23	0307-00119-00XF	REAR HEADER BRKT. - MIDDLE
	0017-00101-0138	#8X5/8 TORX PAN HD TAMPER PROOF SCREW (13 REQ'D)
24	0307-00904-00XF	DISPLAY HEADER REAR - BOTTOM
25	A307-00015-00XF	REAR SPEAKER GRILLE ASSY. (NOT SEEN)
26	0017-00102-0048	3/8-16X2" LEG LEVELERS (8 REQ'D)
	0017-00103-0026	3/8-16 LEG LEVELERS HEX NUTS (8 REQ'D)
		ADDITIONAL PARTS LIST
	A307-00007-0000	CARD RACK W/BOARDS ASSY.
	A084-91657-A307	SOUND I/O P.C. BOARD ASSY.
	A307-00025-0000	SHIELD & BARRIER ASSY.
	0017-00101-0339	#6-32X3/8 PHIL RND. HD. SCREW (4 REQ'D)
	A084-91442-AA27	C.P.U. MCR-3 P.C. BOARD ASSY.
	A307-00026-0000	SHIELD ASSY. - INNER
	A084-91433-AA27	VIDEO GEN. MCR-3 P.C. BOARD ASSY.
	A307-00027-0000	SHIELD ASSY. - OUTER
	0017-00101-0153	#6-32X1" PHIL RND. HD. SCREW (8 REQ'D)
	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
	A307-00034-0000	MULTIFUNCTION SWITCH/BRACKET ASSY.
	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
	A945-00019-0000	LINE CORD ASSY. - 115V
	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY. (2 REQ'D)
	A084-91649-C000	ABSOLUTE POSITION P.C. ASSY.
	A084-91673-B000	LAMP DRIVER P.C. BOARD ASSY.
	A084-91671-AA27	CHEAP SQUEAK P.C.B. ASSY.
	A084-90412-D000	POWER SUPPLY - 125VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12" LG (2 REQ'D)
	0624-00902-0200	P.C. SUPPORT BRKT. - 10" LG (2 REQ'D)
	0624-00902-0400	P.C. SUPPORT BRKT. - 4" LG (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2" LG (2 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (20 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD. SCR. (20 REQ'D)
	A097-00009-0000	BACK DOOR LOCK ASSY.
	0618-00117-00XF	VENT GRILLE (4 REQ'D) - BACK DOOR

HEADER FLOURESCENT FIXTUTRE ASSY.

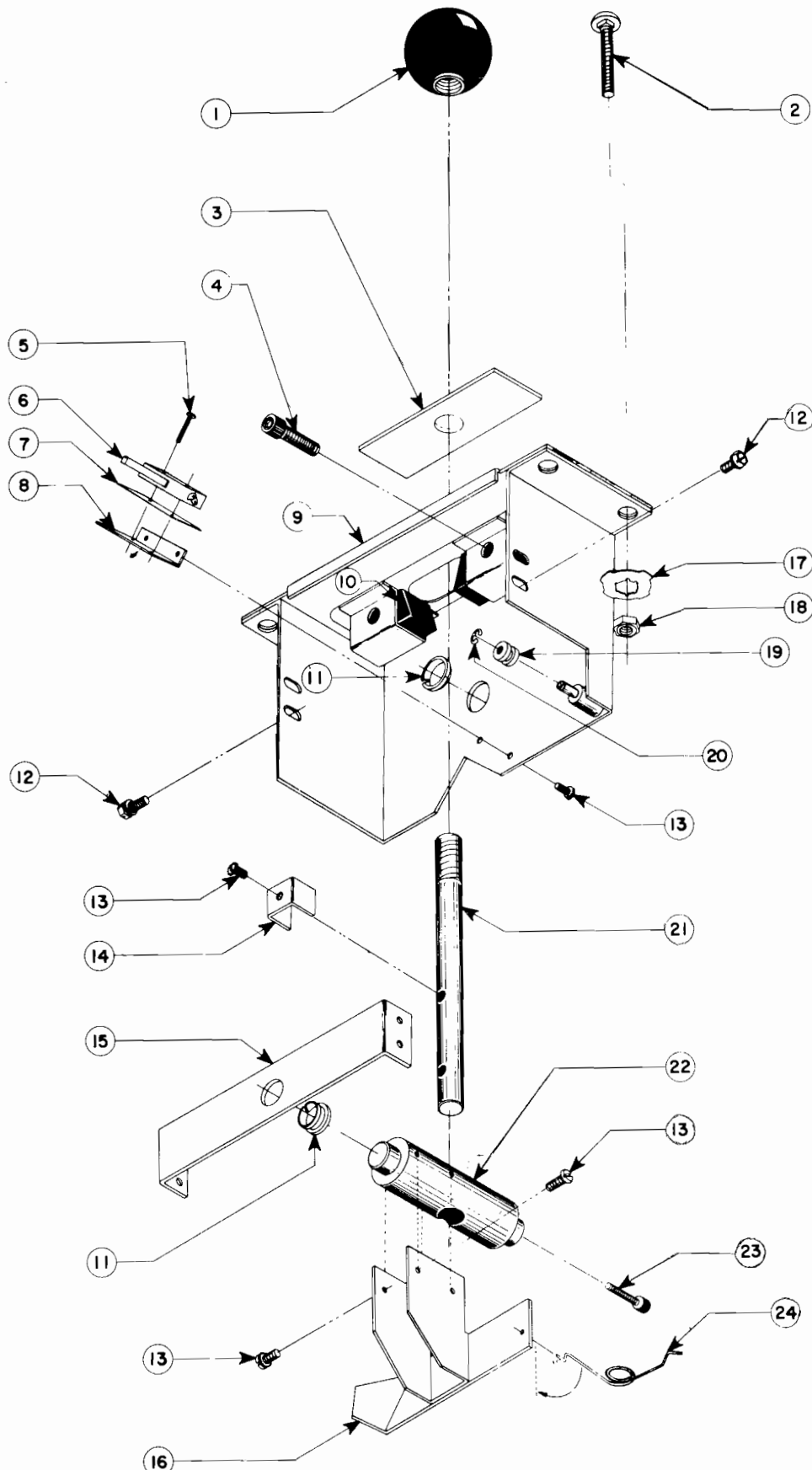


HEADER FLOURESCENT FIXTUTRE ASSY. - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	0595-00105-0000	FLUORESCENT BRKT.
2	0017-00003-0043	18" COOL WHITE FLUORESCENT LAMP
3	0017-00003-0445	LAMP LOCKS (2 REQ'D.)
4	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D.)
5	0017-00003-0412	FLUORESCENT STARTER HOLDER W/LEADS
	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. M.S. (4 REQ'D.)
	0017-00104-0009	#6 EXT. WASHER (4 REQ'D.)
6	0017-00003-0019	FLUORESCENT STARTER
7	0017-00003-0026	BALLAST
	0017-00101-0598	#8-32 x 5/16 SLT. HEX HD. SCR. (4 REQ'D.)
8	A961-00042-0000	LINE FILTER ASSY.

SPY HUNTER - GEAR SHIFT ASSY.



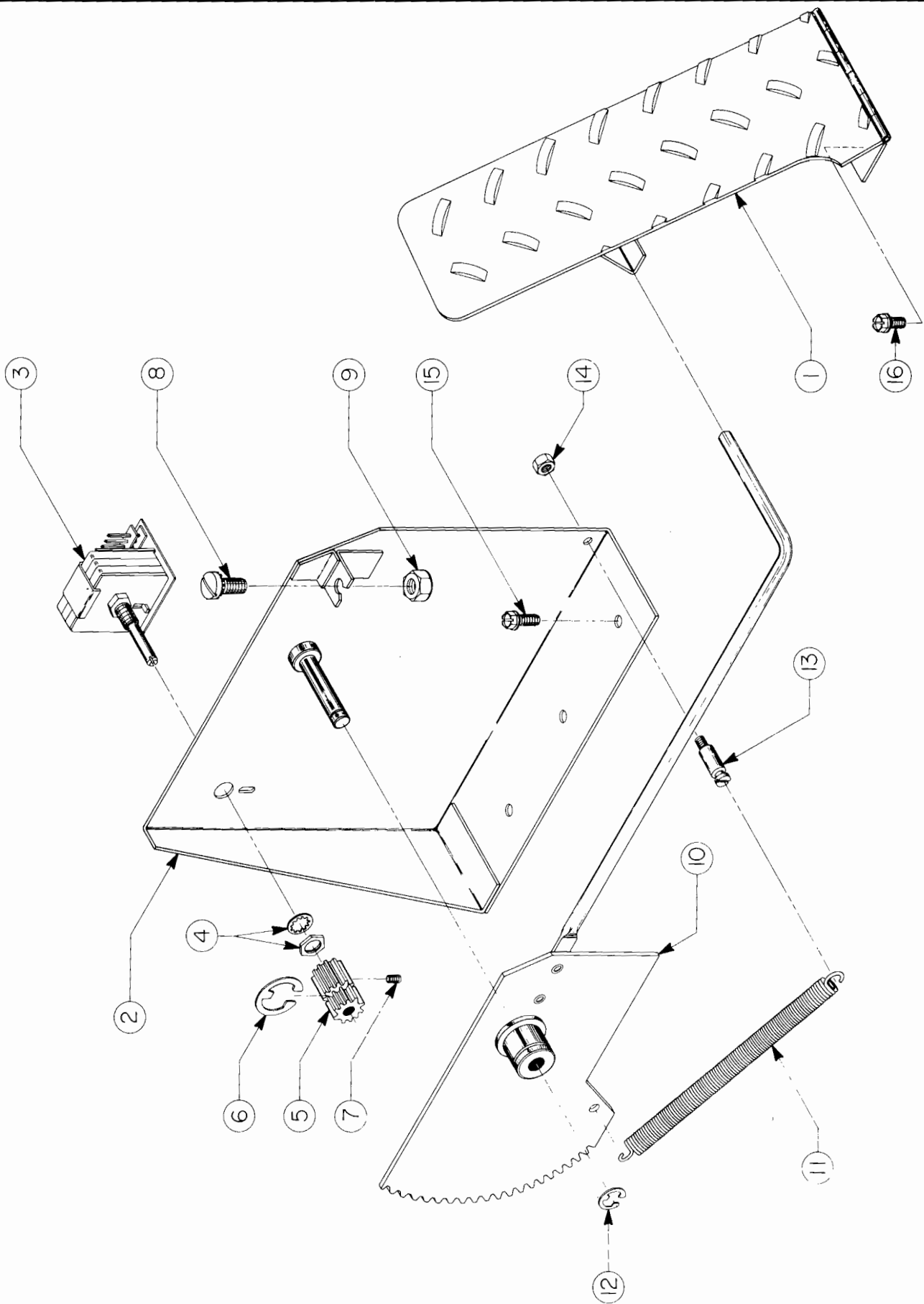
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

SPY HUNTER - GEAR SHIFT ASSY. - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	0017-00009-0561	BALL KNOB
2	0017-00102-0019	1/4-20X1-1/2 CARRIAGE BOLT (4 REQ'D)
3	0307-00912-0000	ROUND SLIDE
4	0017-00101-0668	#10-32X1" HEX SOCKET HD CAP SCREW (2 REQ'D)
5	0017-00101-0155	#4-40X9/16 PHIL PAN HD M.S. (2 REQ'D)
6	0017-00032-0006	CHERRY SWITCH
7	0307-00916-0000	SWITCH INSULATOR
8	0307-00133-0000	SWITCH MTG BRKT.
9	A307-00040-0000	CONTROL HOUSING/BEARING ASSY.
10	0941-00905-0000	BUMPERS (2 REQ'D)
11		NOT USED
12	0017-00101-0179	#10-32X3/8 PHIL PAN HD M.S. (4 REQ'D)
13	0017-00101-0593	#8-32X1/4 PAN HD M.S. W/SEMS (6 REQ'D)
14		NOT USED
15	A307-00041-0000	PLATE/BEARING ASSY.
16	A307-00036-0000	BRACKET & PLATE ASSY.
17	0017-00104-0014	PERIPHERY WASHER (4 REQ'D)
18	0017-00103-0018	1/4-20 HEX NUT (4 REQ'D)
19	0591-00702-0000	ROLLER SPRING
20	0017-00100-0015	5/32" E-RING
21	0307-00709-00XF	GEAR SHIFT ROD
22	0307-00702-00XF	PIVOT BUSHING
	A307-00039-0000	SHIFT & ROD ASSY. (ITEMS 21 & 22)
23		NOT USED
24	0010-00227-0000	TORSION SPRING

SPY HUNTER - ACCELERATOR PEDAL ASSY. SIT DOWN



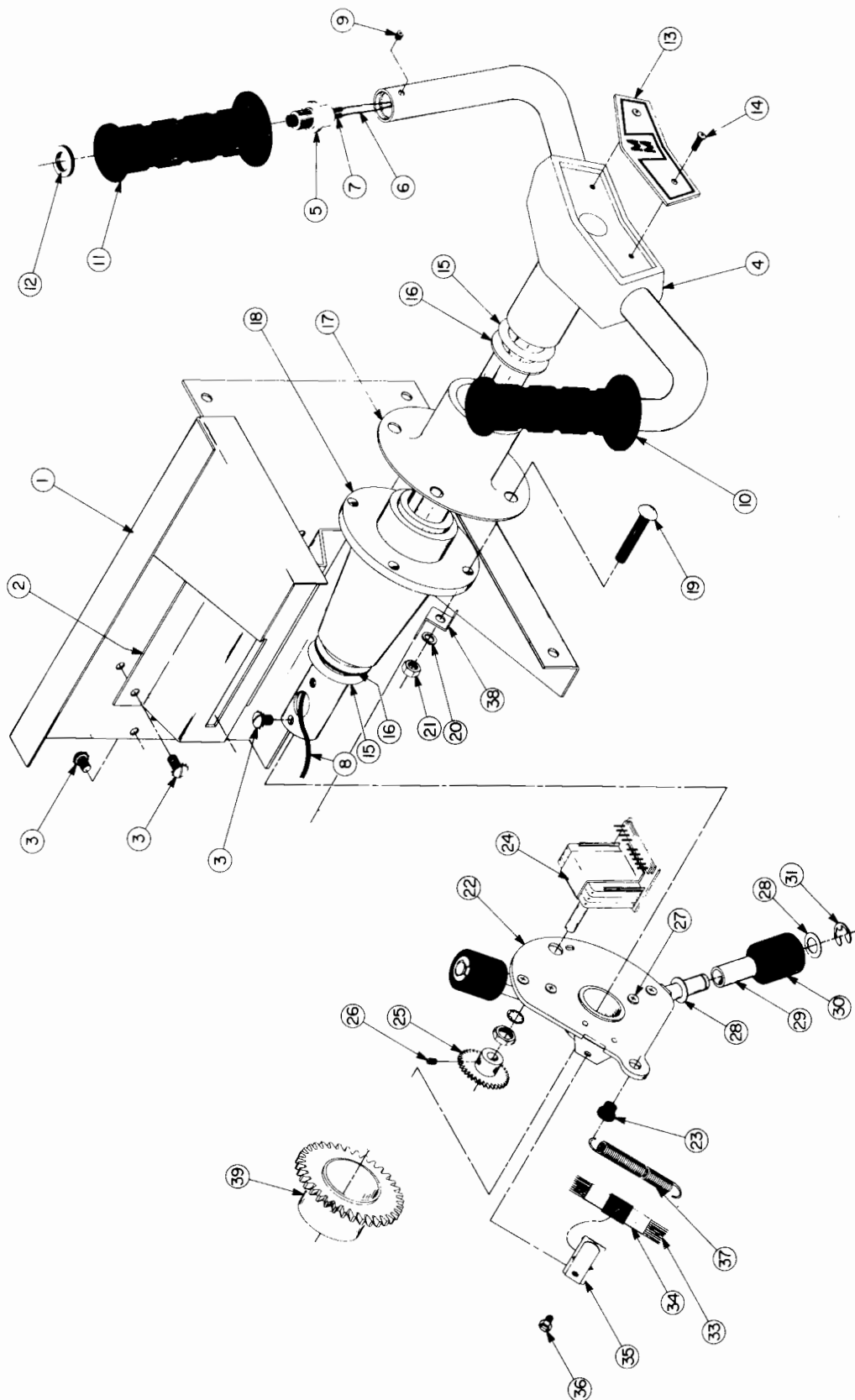
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

SPY HUNTER - ACCELERATOR PEDAL ASSY. SIT DOWN - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A307-00016-00XF	ACCELERATOR PEDAL & HINGE ASSY.
2	A307-00017-0000	MOUNTING BRKT. ASSEMBLY
3	105E-00004-0002	POT
4		NOT USED
5	0307-00708-0000	GEAR
	A307-00032-0000	POT & GEAR ASSY. (ITEMS 3 & 5)
6		NOT USED
7		NOT USED
8	0017-00101-0785	1/4-20X1/4 SLT PAN HD EXT. M.S.
9	0653-00734-0000	STOP-POT LIMIT
10	A307-00024-0000	GEAR & LEVER ASSY.
11	0010-00228-0000	PEDAL SPRING
12	0017-00100-0122	E-RING
13	0307-00703-00XF	POST-PIVOT
14	0017-00103-0081	#10-32 HEX NUT W/SEMS
15	0017-00101-0769	#10X3/4 SLT HEX HD W/WASHER M.S. (3 REQ'D)
16	0017-00101-0598	#8-32X5/16 SLT HEX HD M.S. (2 REQ'D)
	0921-00700-0000	PLASTIC ACTUATOR - (GEAR & LEVER ASSY. SHAFT)
	0307-00125-00XF	ACCEL. PEDAL & CONTROL MTG. BRKT. - (FLOOR PLATE)
	0307-00124-00XF	PLATE COVER - (WALL PLATE)

SPY HUNTER - STEERING CONTROL ASSY.



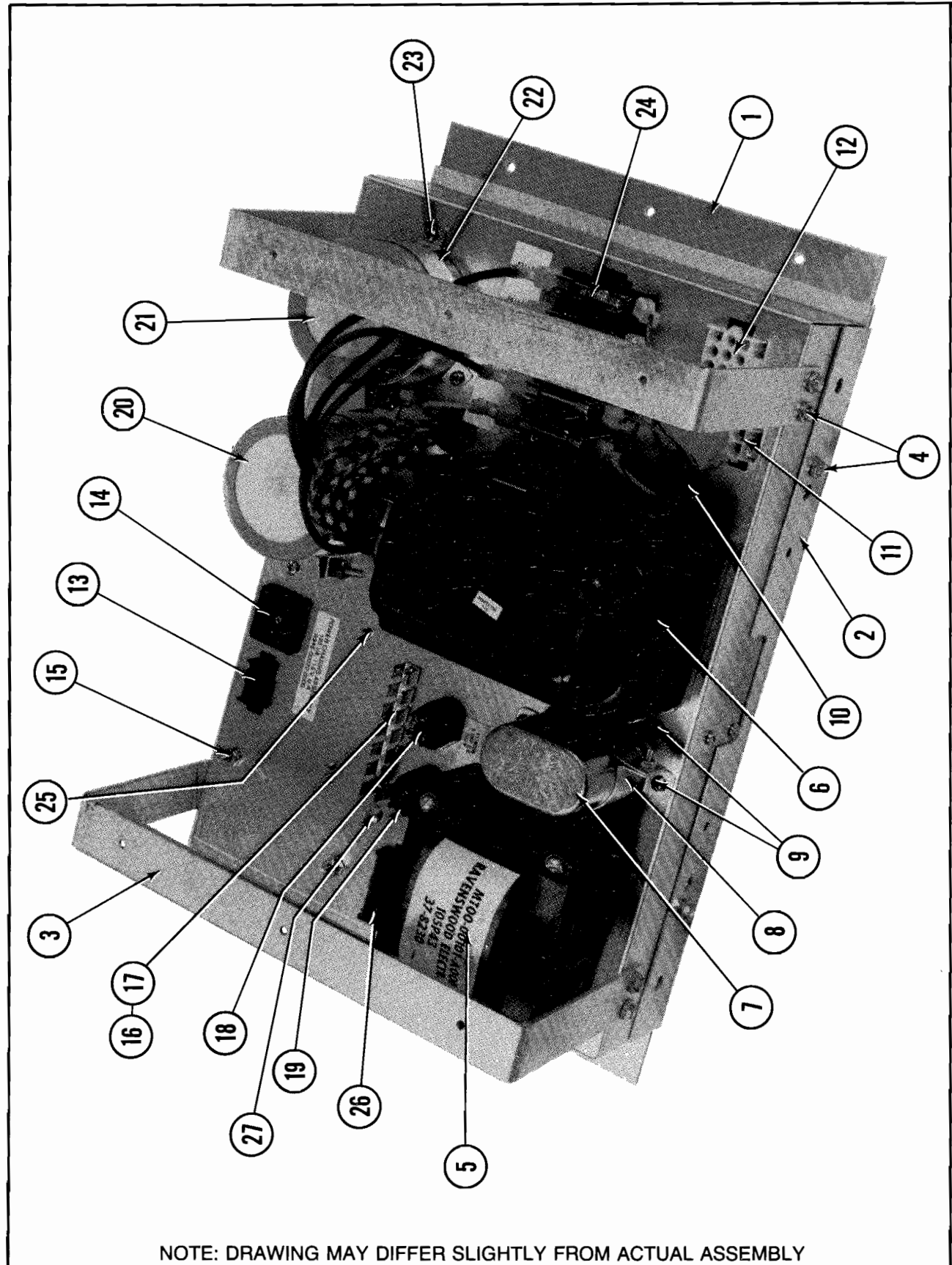
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

SPY HUNTER - STEERING CONTROL ASSY. - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A307-00023-0000	BASE & BRACE ASSY.
2	0307-00114-0000	STOP BRKT.
3	0017-00101-0179	#10-32X3/8 PHIL PAN HD. S.M.S. (4 REQ'D)
4	A307-00028-0000	BASE, TUBE & HANDLE ASSY.
5	0017-00032-0130	PUSH BUTTON SWITCH (2 REQ'D)
	0017-00032-0132	MICRO SWITCH (2 REQ'D)
	0307-00909-0000	RED BUTTON (2 REQ'D)
	0307-00123-01XF	SWITCH MTG. BRKT. - RIGHT
	0307-00123-02XF	SWITCH MTG. BRKT. - LEFT
	0307-00908-0000	TRIGGER (2 REQ'D)
6-9		NOT USED
10	A307-00013-0200	GRIP ASSY. - LEFT
11	A307-00013-0100	GRIP ASSY. - RIGHT
12		NOT USED
13	0307-00100-00XF	STEERING WHEEL BASE PLATE
	0017-00032-0129	ILLUMINATED R.P.B. SWITCH
14	0017-00101-0149	#10-32X3/8 BUT. HD. M.S. (2 REQ'D)
	0307-00910-0000	7" BELLOW (MOUNTED ON HANDLE TUBE) (2 REQ'D)
15	0017-00041-0617	RING - NEOPRENE (2 REQ'D)
16	0645-00913-0000	WASHER - FRICTION (2 REQ'D)
17	0645-00905-0000	SHROUD
18	A645-00012-0000	PEDESTAL ASSY.
19	0017-00102-0019	1/4-20X1-1/2 CARRIAGE BOLT (4 REQ'D)
20	0017-00104-0005	1/4 - SPLIT LOCK WASHER (4 REQ'D)
21	0017-00103-0019	1/4-20 LOCK NUT (4 REQ'D)
22	A307-00022-0000	STOP PLATE ASSY.
23	0017-00042-0624	SNAP BUSHING - 3/16" (4 REQ'D)
24	105E-00004-0002	POT
25	0307-00708-0000	GEAR
	A307-00032-0000	POT & GEAR ASSY. (ITEMS 24-26)
26	0017-00007-0065	ROLL PIN
27	0017-00101-0658	#10-32X5/8 PHIL PAN HD. M.S. (4 REQ'D)
28	0017-00104-0032	FLAT WASHER (4 REQ'D)
29	0645-00906-0000	BEARING (2 REQ'D)
30	0307-00914-0000	RUBBER BUMPER (2 REQ'D)
31	0017-00100-0031	E-RING - 5/16" (2 REQ'D)
32-36		NOT USED
37	0010-00275-0379	EXTENSION SPRING (2 REQ'D)
38		NOT USED
39	0307-00705-0000	42 TOOTH GEAR
	0307-00113-0000	POT MTG. BRKT.
	A307-00046-0000	PLATE & BEARING ASSY.

— POWER CHASSIS ASSY. — 125VA., 115V.



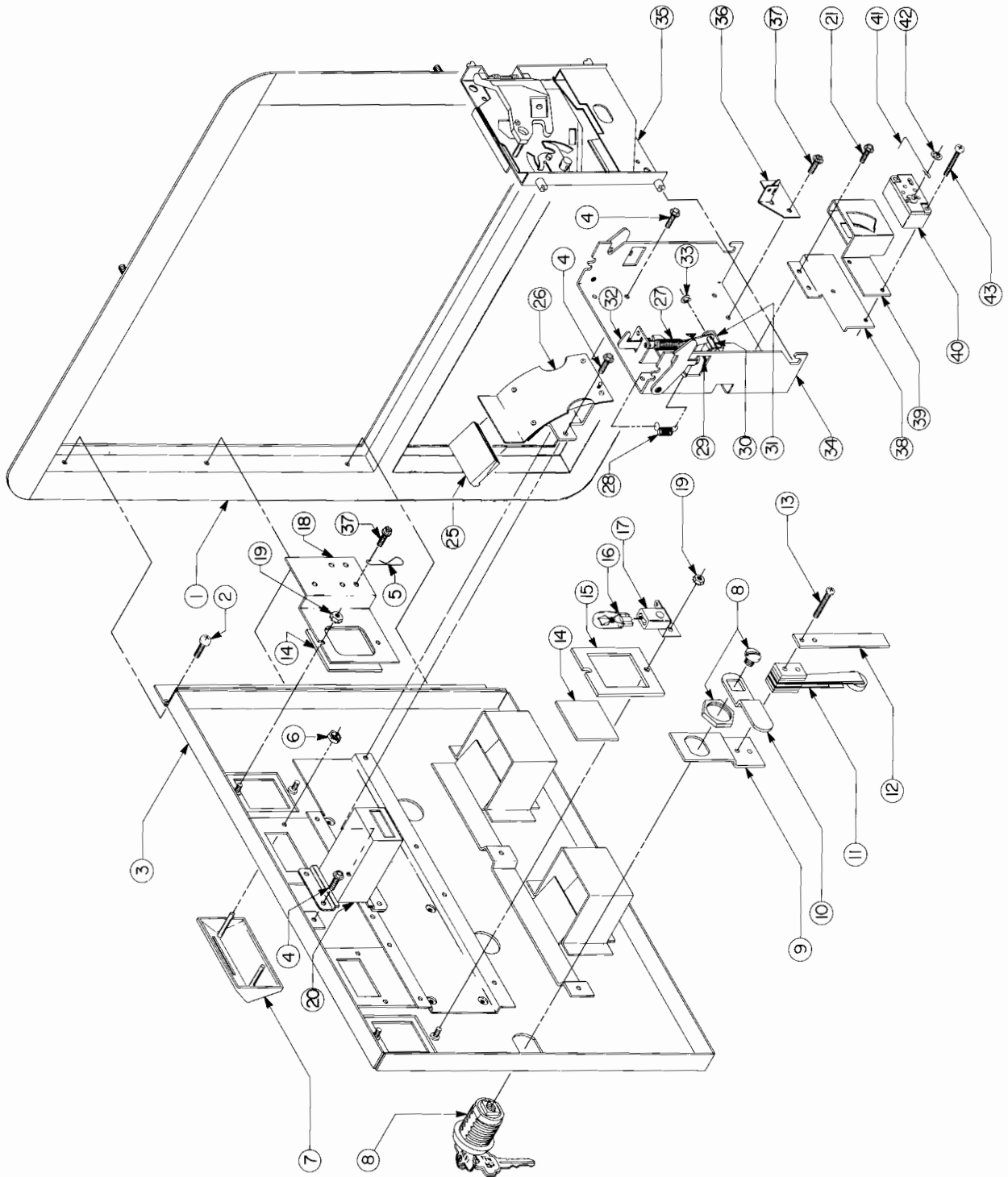
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

POWER CHASSIS ASSY.—125VA., 115V.—PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A945-00046-00XF	CHASSIS & PARTITION ASSY.
2	A945-00029-0100	MTG. PLATE & BARRIER ASSY.
3	0945-00107-01XF	STRAP (2 REQ'D.)
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCR. (12 REQ'D.)
5	MT00-00101-A000	ISOLATION TRANSFORMER W/O SHIELD ASSY. — 115V., 50/60 HZ.
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	MT00-00099-A000	POWER TRANSFORMER ASSY. — 115V., 60 HZ.
	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
7	0175-181T4-GXJK	CAPACITOR — 3.5 M.F., 440V.
8	0017-00009-0535	CLAMP
	0017-00101-0565	#6-32 x 7/16 SLT. PAN HD. SCR.
	0017-00103-0084	#6-32 HEX NUT W/SEMS
9	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (11 REQ'D.)
10	0945-00902-0000	SNAP BUSHING (3 REQ'D.)
11	0017-00021-0297	2 POSITION CONNECTOR
12	A945-00030-0100	CONNECTOR & CABLE ASSY. #1
13	A945-00030-0200	CONNECTOR & CABLE ASSY. #2
14	A945-00021-0000	CONVENIENCE OUTLET ASSY.
15	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. SCR. (2 REQ'D.)
	0017-00103-0084	#6-32 HEX NUT W/SEMS (2 REQ'D.)
	A945-00025-0000	FILTER ASSEMBLY — 125V. — UNDER CHASSIS (NOT SEEN)
16	0017-00021-0510	TERMINAL STRIP
17	0017-00101-0140	#4-40 x 5/16 PHIL. PAN HD. SCR. (2 REQ'D.)
18	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
19	0017-00003-0005	FUSE — 2A., 250V.
	0017-00003-0444	QUICK CONN. FUSEHOLDER (2 REQ'D.) — FOR ABOVE FUSES
20	0945-00816-1902	CAPACITOR — 100,000 M.F.
21	0945-00816-1901	CAPACITOR — 55,000 M.F.
	0017-00104-0107	#10 FLAT WASHER (4 REQ'D.)
	0017-00103-0081	#10-32 HEX NUT W/SEMS (4 REQ'D.)
22	0017-00009-0422	CLAMP (2 REQ'D.)
	0017-00101-0758	#8-32 x 3/4 PHIL. RND. HD. SCREW (2 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (2 REQ'D.)
23	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (6 REQ'D.)
24	0945-00904-0000	5 POSITION FUSE HOLDER
	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
	0017-00003-0217	SLO-BLO FUSE — 2.5A., 250V. (2 REQ'D.)
	0017-00003-0007	SLO-BLO FUSE — 3A., 250V. (2 REQ'D.)
	0945-00903-0000	FUSE HOLDER BARRIER
	A945-00022-0000	HEATSINK & DIODE ASSY.
	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (2 REQ'D.)
25	0017-00101-0780	#6 x 1/2 PHIL. PAN HD. SCREW (2 REQ'D.)
	0017-00021-0629	5 POSITION TERMINAL STRIP — (UNDER CHASSIS)
	A945-00019-0000	LINE CORD ASSY. — 115V. (NOT SHOWN)
26	A945-00030-0500	CONNECTOR & CABLE ASSY.
27	0017-00101-0660	#10-32 x 3/4 PAN HD. SCREW
	0017-00104-0107	#10 FLAT WASHER
	0017-00103-0081	#10-32 HEX NUT W/SEMS

FRONT DOOR ASSEMBLY - U.S.A. 50¢



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

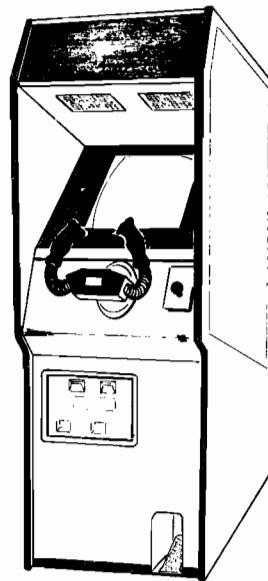
FRONT DOOR ASSEMBLY - U.S.A. 50¢ - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A090-00603-00XF	DOUBLE ENTRY COIN DOOR FRAME
2	0017-00101-0121	#6-32x5/16 PHIL. TRS. HD. SCR. (3 REQ'D)
3	A090-00073-02BK	DOUBLE ENTRY COIN DOOR W/DRESS PLATE
4	0017-00101-0123	#8x1/4 UNSLOT HEX HD. SCREW (12 REQ'D)
5	0017-00007-0019	KEY HOOK
6	0017-00103-0059	PUSH NUT (4 REQ'D)
7	0090-00912-0000	COIN ENTRY PLATE - 25¢ (2 REQ'D)
8	A097-00005-0000	DOOR LOCK & KEY W/SCREW & NUT (OR)
	A097-00006-0000	DOOR LOCK & KEY W/SCREW & NUT
9	0090-00128-00XF	DOOR TILT SWITCH BRKT.
10	0017-00005-0041	DOOR CAM
11	A090-00095-0000	DOOR TILT SWITCH
12	0090-00126-03XF	SWITCH BACK-UP PLATE
13	0017-00101-0525	#5-40x9/16" PHIL. HD. M.S. (2 REQ'D)
	A090-00096-0000	DOOR TILT SWITCH & BRKT. ASSY. (ITEMS 9 & 11 THRU 13)
14	0090-00903-4800	PLEXI PLATE 2x25 CENT 1 PLAY (2 REQ'D)
15	0090-00143-00XF	COIN PLEX RETAINER
16	0017-00003-0219	12 VOLT LAMP - G.E. #194 (2 REQ'D)
17	0017-00031-0048	WEDGE SOCKET W/BRKT. (2 REQ'D)
18	A090-00100-0000	BRKT. ASSY.
19	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D)
20	A090-00089-0000	COIN METER W/DIODE
21	0017-00101-0124	#6x1/4 UNSLOT HEX HD. SCR. (4 REQ'D)
25	0090-00911-0000	INSULATOR (2 REQ'D)
26	A090-00112-0000	COIN CHUTE & INSULATOR ASSY. (2 REQ'D)
27	0010-00134-0000	SPRING
28	0010-00181-0000	SPRING
29	0017-00007-0083	1/8x1-5/8 ROLL PIN
30	0090-00129-00XF	PIVOT POST
31	0090-00167-00XF	PIVOT LEVER
32	0090-00182-00XF	REJECT LEVER
33	0017-00100-0018	E-RING
	A090-00088-0000	REJECT LEVER ASSY. (2 REQ'D) (ITEMS 30 THRU 33)
34	A090-00117-0000	COIN ACCEPTOR FRAME ASSY. (2 REQ'D)
35	0017-00005-0003	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D) (OR)
	0017-00005-0211	COIN ACCEPTOR W/ANTI STRING DEVICE (2 REQ'D) (OR)
	0017-00005-0214	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D)
36	A090-00064-0000	ANTI-PENNY DEVICE
37	0017-00101-0099	#6x1/4 SLT. HEX HD. M.S. (2 REQ'D)
38	0090-00162-00XF	COIN SWITCH MTG. BRKT.
39	0017-00005-0203	COIN SWITCH CHUTE
40	0017-00005-0195	COIN SWITCH
41	0010-00599-0000	COIN SWITCH WIRE
42	0017-00007-0015	PUSH-ON RING
	A090-00059-0400	COIN SWITCH & WIRE ASSY. (ITEMS 40 THRU 42)
43	0017-00101-0147	#4-40x3/4 PHIL. PAN HD. M.S. (2 REQ'D)
	A090-00077-0000	COIN GUIDE & SWITCH ASSY. (ITEMS 38 THRU 43)

SPY HUNTER UPRIGHT PARTS LIST

THAT ARE NOT INTERCHANGEABLE
WITH THE SIT DOWN MODEL



Bally

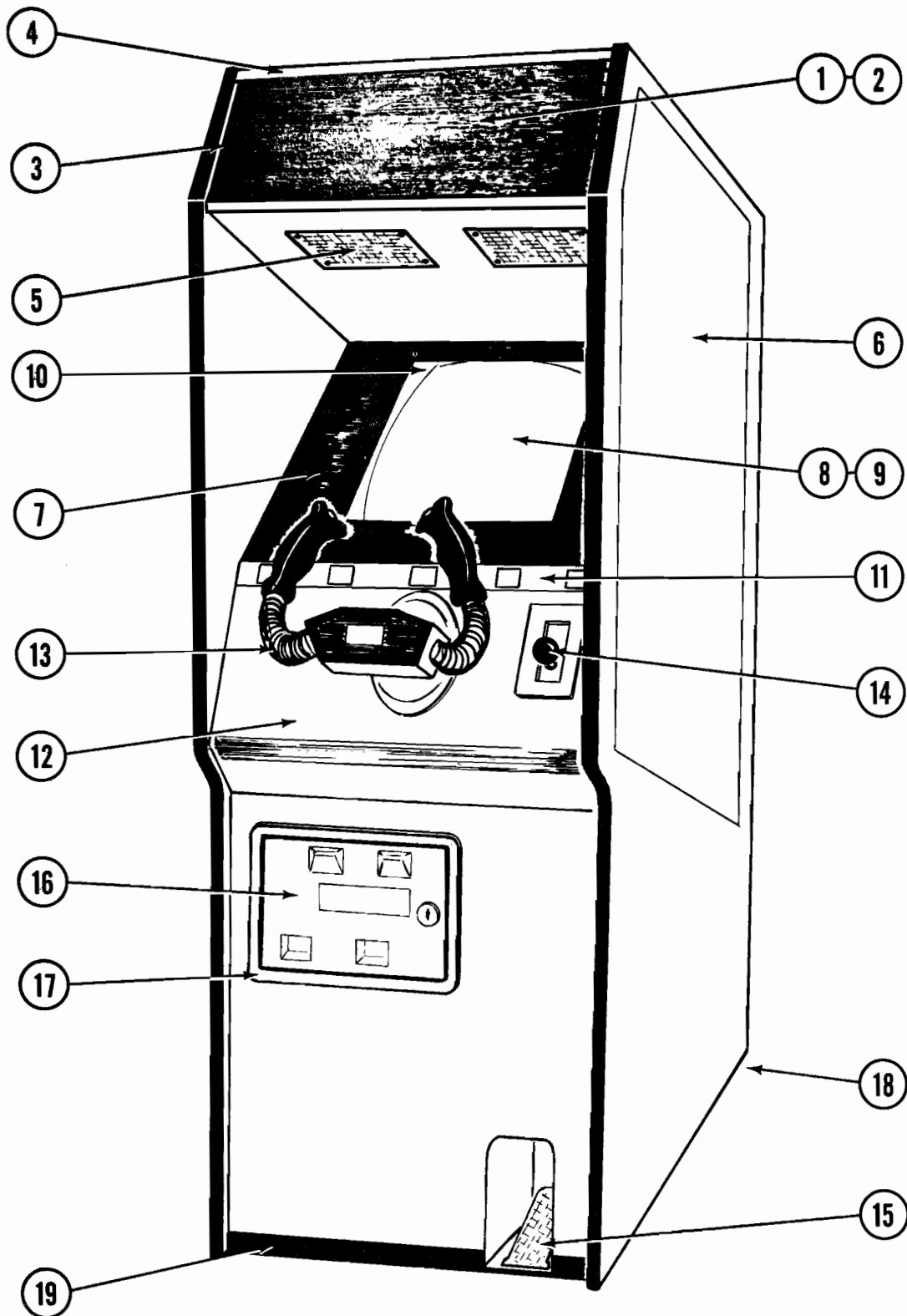
MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.



Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

NO. 0A27 - SPY HUNTER UPRIGHT - FRONT



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

NO. 0A27 - SPY HUNTER UPRIGHT - FRONT PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	0A27-00900-00XF	HEADER GLASS
2*	A595-00011-0000	HEADER LIGHT ASSY.
3	0537-00903-0052	GLASS CHANNEL - 8-1/2" LG (2 REQ'D)
4	0574-00903-0100	HEADER RETAINER BRKT. (2 REQ'D)
	0017-00101-0138	#8x5/8 TORX TAMPER PROOF SCREW (10 REQ'D)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
5	0017-00003-0430	6"x9" SPEAKER - 4 OHM, 10W. (2 REQ'D)
	Q130-00002-0000	SPEAKER COVER (2 REQ'D)
	0017-00101-0127	#8-32x1-1/2" CARRIAGE BOLT (8 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (8 REQ'D)
6	0A27-00903-0000	DECAL (2 REQ'D)
7	0A27-00901-00XF	MAIN VIEWING GLASS
8	Q200-00019-0000	19" COLOR VERTICAL MONITOR
	A353-00023-0000	VERTICAL MONITOR MTG. BRKT. ASSY. (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. M.S. (8 REQ'D)
9	0314-00902-0000	PLEXI-GLASS
	0508-00901-0000	PLEXI-GLASS MTG PLATE
	0017-00101-0017	#6x1/2 BLACK SLT. HEX HD. SCR. (4 REQ'D)
10	0307-00918-0000	T.V. BEZEL
	0508-00106-0000	BEZEL MTG. BRKT.
11	A307-00044-0000	LIGHT PANEL ASSY.
	0360-00935-0000	SMALL SHADOW BOX (5 REQ'D)
	0017-00003-0219	#194 WEDGE BASE LAMP -14V., .27A. (5 REQ'D)
	0017-00031-0030	WEDGE BASE LAMP SOCKET (5 REQ'D)
12	AA27-00014-0000	CONTROL PLATE & WELD STUDS ASSY.
	0307-00911-0000	DECORATIVE OVERLAY
	0307-00132-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0307-00132-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PINS (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (2 REQ'D)
	0610-00132-00ZN	STRIKE (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT. HEX HD. SCREW (12 REQ'D)
	0307-00117-00XF	CONTROL SHELF HINGE
	A307-00005-0000	CONTROL SHELF CABLE ASSY.
13*	A307-00042-0000	CONTROL HANDLE ASSY.
14*	A307-00038-0000	GEAR SHIFT ASSY.
15	AA27-00018-0000	ACCELERATOR PEDAL ASSY.
	0A27-00105-00XF	ACCELERATOR BASE (FLOOR PLATE)
	0A27-00104-00XF	ACCELERATOR BOX COVER (WALL PLATE)
16	A982-00014-0000	COIN DOOR & CABLE ASSY. - U.S.A. 25¢
	A950-00004-0000	COIN BOX COVER
	A950-00006-0100	WIRE COIN BOX CRADLE ASSY.
	0950-00105-0000	COIN BOX COVER
	0950-00104-0000	COIN BOX HANDLE
	0950-00101-0000	COIN DEFLECTOR (2 REQ'D)
	0950-00900-0000	LARGE PLASTIC COIN BOX
	0950-00103-0000	COIN BOX DIVIDER - OPTIONAL

*SEE SIT DOWN CATALOG FOR ILLUSTRATED PARTS BREAK DOWN

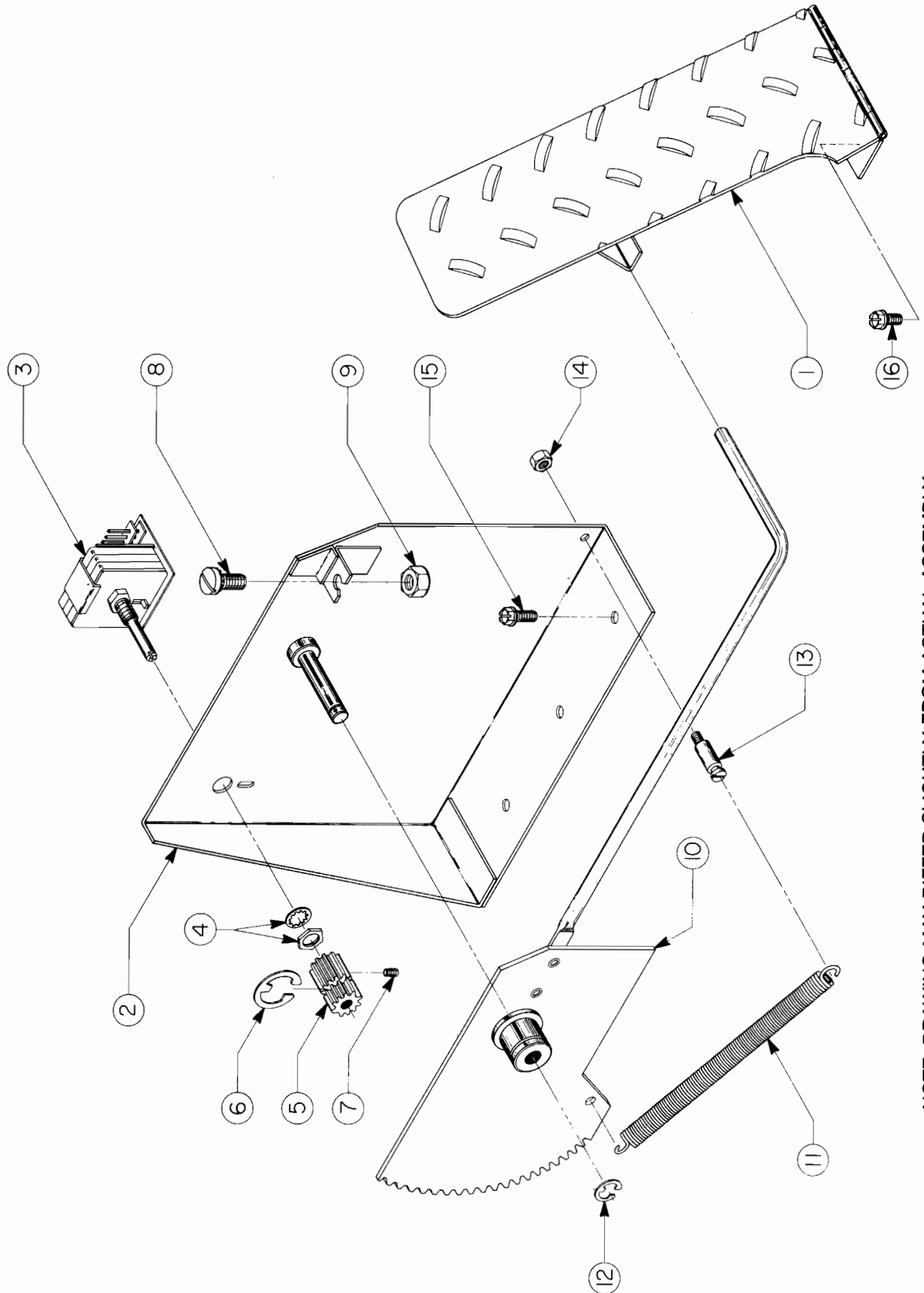
NO. 0A27 - SPY HUNTER UPRIGHT - FRONT PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
16	0017-00101-0142	1/4-20x1-3/8 BLACK RND. HD. BOLT (4 REQ'D)
	0017-00104-0014	7/8" DISH WASHER (4 REQ'D)
	0017-00103-0000	1/4-20 HEX NUT (4 REQ'D)
17	0090-00002-04BK	LARGE COIN DOOR FRAME
	0017-00101-0121	#6-32x5/16 PHIL. TRS. HD. SCR. (3 REQ'D)
18	0017-00102-0048	3/8-16x2" LEG LEVELERS (4 REQ'D)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUTS (4 REQ'D)
19	0A27-00108-00XF	BOTTOM TRIM PLATE
	0017-00101-0138	#8x5/8 TORX TAMPER PROOF SCREW (5 REQ'D)
	0017-00101-0179	#10-32x3/8 TORX PHIL. PAN HD. SCREW (2 REQ'D)
ADDITIONAL PARTS LIST		
	AA27-00012-0000	CARD RACK SUPPORT BRKT. ASSY.
	AA27-00007-0000	CARD RACK ASSY. W/BOARDS
	A084-90913-AA27	SOUND I/O P.C. BOARD ASSY.
	A307-00025-0000	SHIELD & BARRIER ASSY.
	0017-00101-0339	#6-32x3/8 PHIL. RND. SCREW (4 REQ'D)
	A084-91442-AA27	C.P.U. MCR-3 P.C. BRD. ASSY.
	A307-00026-0000	SHIELD ASSY. - INNER
	A084-91433-AA27	VIDEO GEN. MCR-3 P.C. BRD. ASSY.
	A307-00027-0000	SHIELD ASSY. - OUTER
	0017-00101-0153	#6-31x1" PHIL. RND. HD. SCREW (8 REQ'D)
	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
	A307-00034-0000	MULTIFUNCTION SWITCH/BRKT. ASSY.
*	A945-00020-0000	POWER CHASSIS ASSY. -125VA., 115V
	A945-00019-0000	LINE CORD ASSY. -115V
	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY.
	A307-00047-0000	ABSOLUTE POSITION BRD. W/SPACER ASSY.
	A307-00048-0000	LAMP DIVER P.C.B. W/ SPACER ASSY.
	A307-00049-0000	CHEAP SQUEAK & SPACER P.C. ASSY.
	A084-90412-D000	POWER SUPPLY -125VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12" LG. (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2" LG. (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (10 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (10 REQ'D)
	0894-00916-0000	PLASTIC PULL & VENT (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (8 REQ'D)
	A961-00007-0000	CASTER ASSY.
	0017-00005-0201	BACK DOOR LOCK & KEY
	0017-00009-0490	5-5/8" SQR. VENT GRILLE (4 REQ'D)

*SEE SIT DOWN CATALOG FOR ILLUSTRATED PARTS BREAK DOWN

NO. 0A27 - SPY HUNTER UPRIGHT - ACCELERATOR PEDAL ASSY.

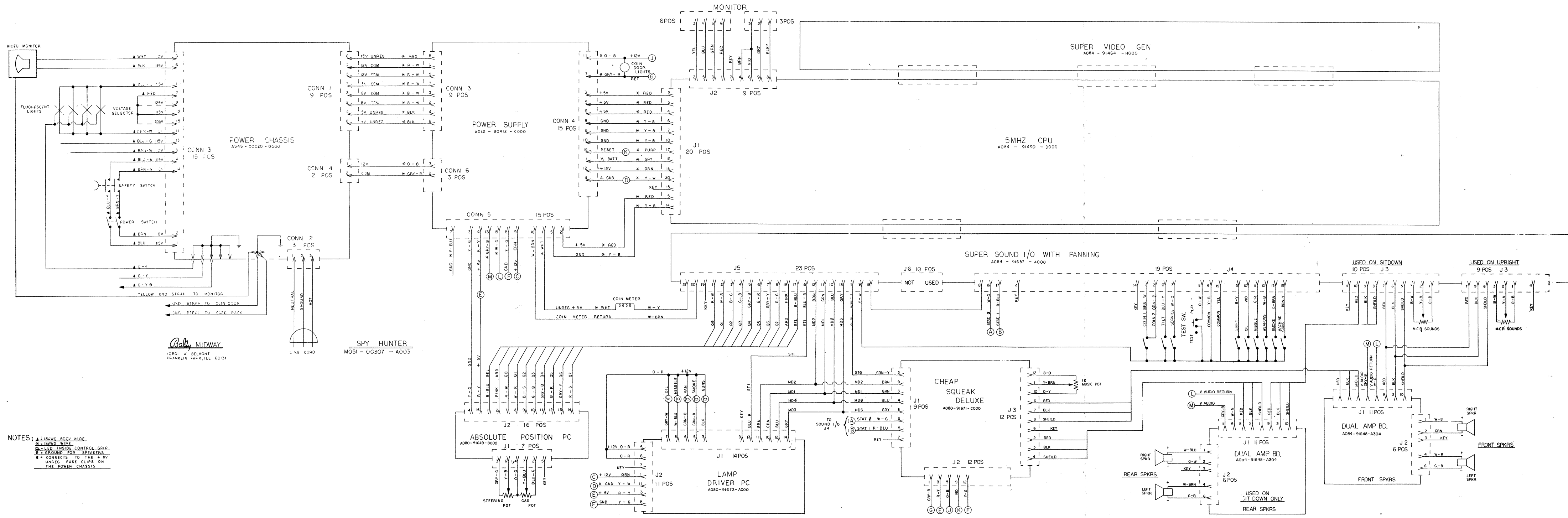


NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

NO. 0A27 - SPY HUNTER UPRIGHT - ACCELERATOR PEDAL ASSY. - PARTS LIST

ORDER BY PART NUMBER ONLY

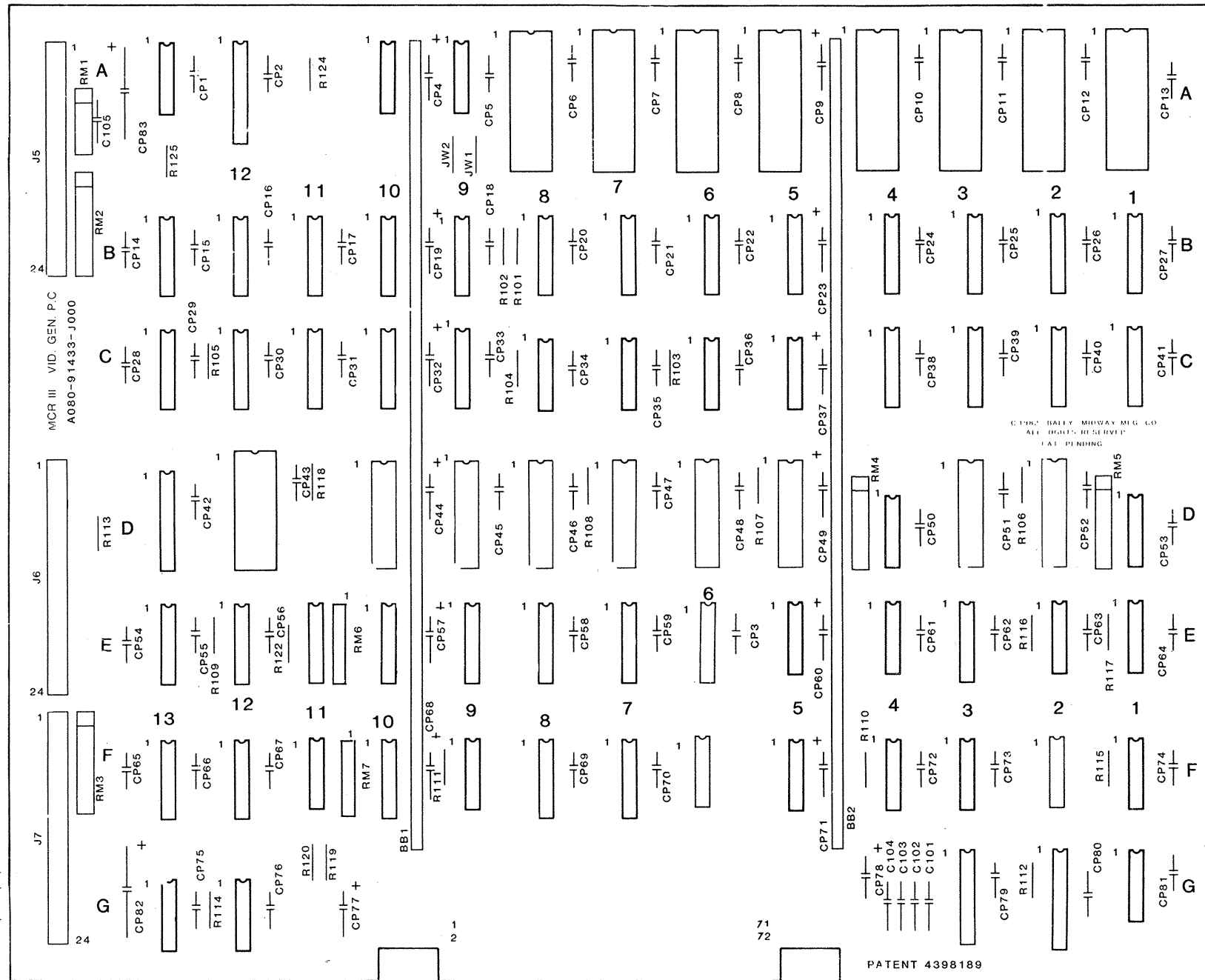
ITEM	PART NO.	DESCRIPTION
1	AA27-00019-0000	ACCELERATOR PEDAL & HINGE ASSY.
2	AA27-00015-0000	STUD & ACCEL. STOP BRKT. ASSY.
3	105E-00004-0002	POT
4		NOT USED
5	0A27-00701-00XF	GEAR - 16/32
	AA27-00017-0000	POT & GEAR ASSY. (ITEMS 3 & 5)
6	0017-00100-0031	5/16" E-RING
7		NOT USED
8	0017-00102-0002	1/4-20x1/2 SLT. HEX HD. M.S.
9	0653-00734-0000	STOP - POT LIMIT
10	AA27-00016-0000	ACCELERATOR LEVER & GEAR ASSY.
11	0010-00280-0000	ACCEL. PEDAL SPRING
12	0017-00100-0122	1/4" E-RING
13	0307-00703-00XF	PIVOT POST
14	0017-00103-0081	#10-32 HEX NUT W/SEMS
15 & 16	0017-00101-0598	#8-32x5/16 SLT.HEX HD. M.S. (11 REQ'D)
 ADDITIONAL PARTS LIST 		
	0A27-00105-00XF	ACCELERATOR BASE (FLOOR PLATE)
	0A27-00104-00XF	ACCELERATOR BOX COVER (WALL PLATE)
	0A27-00107-00XF	ACCELERATOR LEVER STOP PLATE
	0921-00700-0000	PLASTIC ACTUATOR (GEAR & LEVER ASSY. - SHAFT)



NOTES:
1. 18AWG 600V WIRE
2. 18AWG WIDE
3. ALL WIRE CONTROL GRIP
4. 18AWG WIDE
5. CONNECTS TO THE 5V
UNREG FUSE CLIPS ON
THE POWER CHASSIS

DESIGNATION LIST

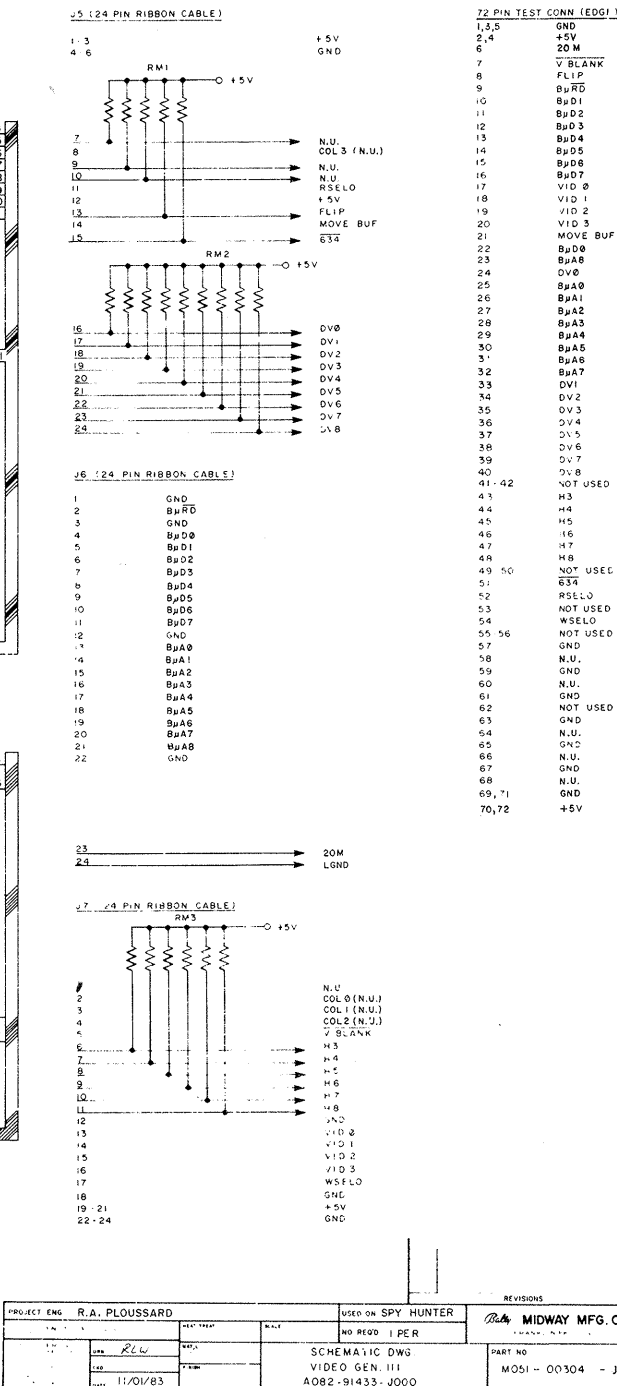
DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C101-C104	CAP 100 PF AX CER	4C	74LS258
C105	CAP .01 MF AX CER	5C	74LS00
		6C	74LS04
CP1-CP3	.01 MF AX CER	7C	74LS74
CP4	10 MF 25V AX TANT	8C	74LS50
CP5-CP8	.01 MF AX CER	9C	74LS169
CP9	10 MF 25V AX TANT	10C	74LS169
CP10-CP18	.01 MF AX CER	11C	74LS169
CP19	10 MF 25V AX TANT	12C	74LS169
CP20-CP22	.01 MF AX CER	13C	74LS133
CP23	10 MF 25V AX TANT		
CP24-CP31	.01 MF AX CER	1D	7420
CP32	10 MF 25V AX TANT	2D	93422
CP33-CP36	.01 MF AX CER	3D	93422
CP37	10 MF 25V AX TANT	4D	7420
CP38-CP43	.01 MF AX CER	5D	93422
CP44	10 MF 25V AX TANT	6D	93422
CP45-CP48	.01 MF AX CER	7D	93422
CP49	10 MF 25V AX TANT	8D	93422
CP50-CP56	.01 MF AX CER	9D	93422
CP57	10 MF 25V AX TANT	10D	93422
CP58,CP59	.01 MF AX CER	12D	STAT RAM
CP60	10 MF 25V AX TANT	13D	74LS245
CP61-CP67	.01 MF AX CER		
CP68	10 MF 25V AX TANT	1E	74LS74
CP69,CP70	.01 MF AX CER	2E	74LS74
CP71	10 MF 25V AX TANT	3E	74LS157
CP72-CP76	.01 MF AX CER	4E	74LS00
CP77,CP78	10 MF 25V AX TANT	5E	74LS32
CP79-CP81	.01 MF AX CER	6E	74LS174
CP82,CP83	100 MF AX ELECT	7E	74LS283
		8E	74LS175
R101-R118	1K OHM 1/4W	9E	74LS157
R119,R120	560 OHM 1/4W	10E	74LS157
R122,R124	1K OHM 1/4W	11E	74LS161
R125	100 OHM 1/4W	12E	74LS157
		13E	74LS157
RM1	1K 6 PIN SIP	1F	74LS74
RM2,RM3	1K 10 PIN SIP	2F	74LS86
RM4,RM5	1K 9 PIN SIP	3F	74LS08
RM6,RM7	82 OHM 8 PIN SIP	4F	74LS30
1A	EPROM VG-A	5F	74LS30
2A	EPROM VG-B	6F	7420
3A	EPROM VG-C	7F	74LS283
4A	EPROM VG-D	8F	74LS174
5A	EPROM VG-E	9F	74LS10
6A	EPROM VG-F	10F	74LS157
7A	EPROM VG-G	11F	74LS04
8A	EPROM VG-H	12F	74LS157
9A	74LS86	13F	74LS157
10A	74LS86		
12A	74LS273	1G	74LS32
13A	74S04	2G	74LS273
		3G	74LS240
1B	74LS194	12G	7420
2B	74LS194	13G	74LS74
3B	74LS194		
4B	74LS194	ICS 1A-8A	28 PIN IC SOCKET
5B	74LS194	ICS 2D,3D,5D-	22 PIN IC SOCKET
6B	74LS194	100	
7B	74LS194	ICS 12D	24 PIN IC SOCKET
8B	74LS194		
9B	74LS161	J5-J7	KK 100 24 PIN
10B	74LS174		RT ANGLE
11B	74LS174		
12B	74S283	JW1,JW2	JUMPER WIRE
13B	74S283	BB1,BB2	BUSS BAR
1C	74LS258		
2C	74LS258		
3C	74LS258		



CROSS REFERENCE LIST

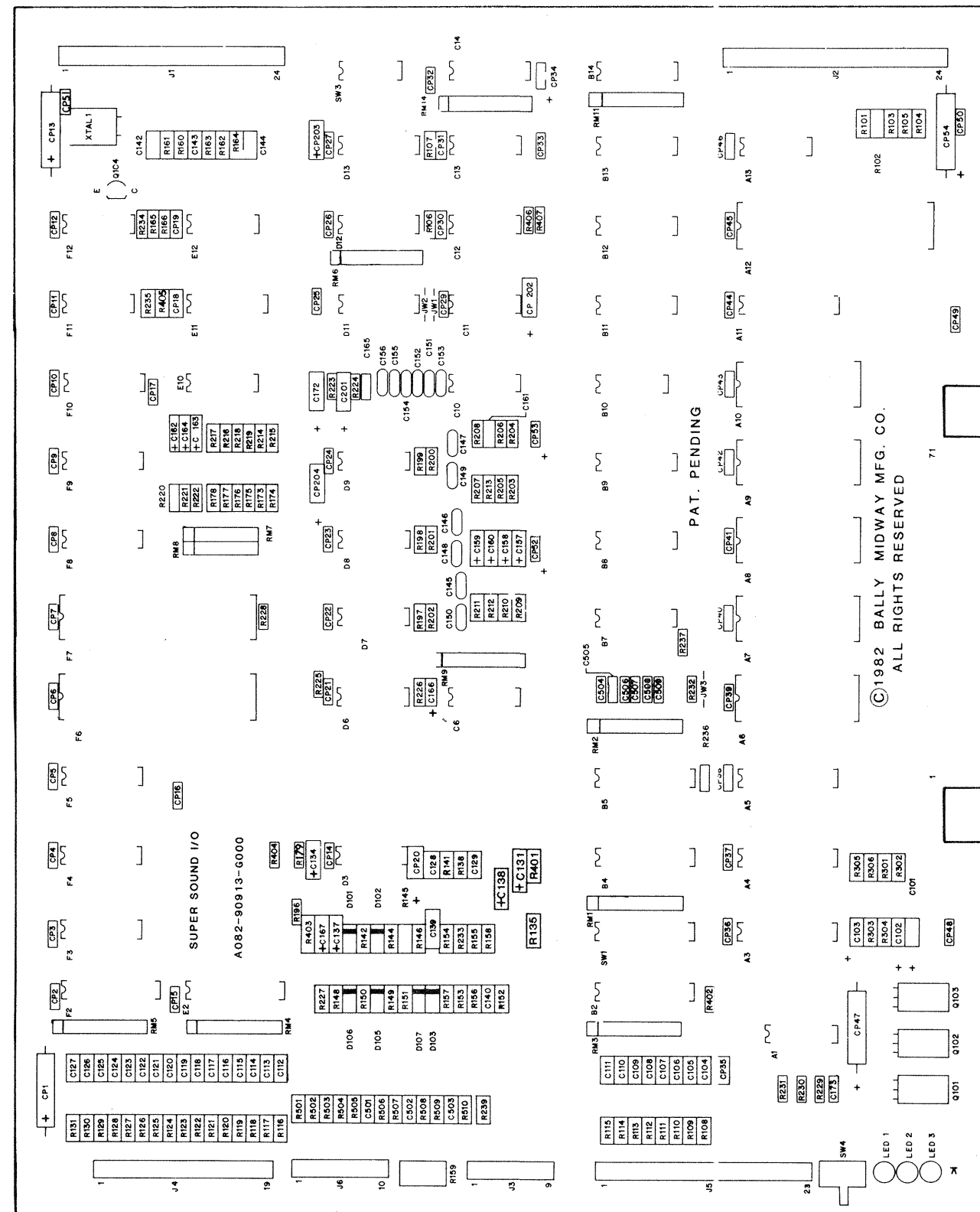
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
.01 MF AX CER	68	CP1-CP3, CP5-CP8, CP10-CP18, CP20-CP22, CP24-CP31, CP33-CP36, CP38-CP43, CP45-CP48, CP50-CP56, CP58, CP59, CP61-CP67, CP69, CP70, CP72-CP76, CP79-CP81, C105	0986-00800-2500	STAT RAM	1	12D	0304-00803-0034
				93422	8	2D,3D,5D-10D	0986-00803-1010
				22 PIN IC SOCKET	8	ICS 2D,3D,5D-100	0986-00804-0700
				24 PIN IC SOCKET	1	ICS 12D	0986-00804-1600
				28 PIN IC SOCKET	8	ICS 1A-8A	0986-00804-0300
				KK 100 24 PIN RT ANGLE	3	J5-J7	0986-00804-4700
10 MF 25V AX TANT	14	CP4, CP9, CP19, CP23, CP32, CP37, CP44, CP49, CP57, CP60, CP68, CP71, CP77, CP78	0986-00800-2400	JUMPER WIRE	2	JW1,JW2	0986-00805-0200
				BUSS BAR	2	BB1,BB2	0986-00804-0900
CAP 100 MF	2	CP82, CP83	0986-00800-1800				
CAP 100 PF	4	C101-C104	0986-00800-1000				
100 OHM RES	1	R125	100E-00005-0033				
560 OHM RES	2	R119, R120	100E-00005-0054				
1K OHM RES	20	R101-R118, R122, R124	100E-00005-0061				
82 OHM 8 PIN SIP	2	RM6, RM7	102E-00004-0035				
1K OHM 6 PIN SIP	1	RM1	102E-00004-0009				
1K OHM 9 PIN SIP	2	RM4, RM5	102E-00004-0011				
1K OHM 10 PIN SIP	2	RM2, RM3	102E-00004-0013				
74LS00	1	5C	0304-00803-0009				
74S00	1	4E	0304-00803-0045				
74LS04	1	6C	0986-00803-1007				
74S04	2	13A, 11F	0986-00803-3100				
74S08	1	3F	0304-00803-0037				
74LS10	1	9F	0304-00803-0008				
7420	4	1D, 4D, 6F, 12G	0304-00803-0006				
74LS30	3	8C, 4F, 5F	0304-00803-0016				
74LS32	2	5E, 1G	0986-00803-0600				
74LS74	4	7C, 1E, 2E, 13G	0986-00803-1005				
74S74	1	1F	0986-00803-1500				
74LS86	2	9A, 10A	0986-00803-4200				
74S86	1	2F	0304-00803-0049				
74S133	1	13C	0304-00803-0002				
74LS157	7	9E, 10E, 12E, 13E, 10F, 12F, 13F	0986-00803-2400				
74S157	1	3E	0304-00803-0044				
74LS161	1	9B	0986-00803-1003				
74S161	1	11E	0304-00803-0038				
74LS169	4	9C-12C	0304-00803-0001				
74LS174	4	10B, 11B, 6E, 8F	0986-00803-9800				
74LS175	1	8E	0304-00803-0007				
74LS194	8	1B-8B	0986-00803-2900				
74LS240	1	3G	0304-00803-0050				
74LS245	1	13D	0986-00803-3000				
74LS258	4	1C-4C	0304-00803-0004				
74LS273	2	12A, 2G	0986-00803-3800				
74LS283	2	7E, 7F	0986-00803-3900				
74S283	2	12B, 13B	0304-00803-0039				
EPROM VG-A	1	8A	0A27-00803-0016				
EPROM VG-B	1	7A	0A27-00803-0017				
EPROM VG-C	1	6A	0A27-00803-0018				
EPROM VG-D	1	5A	0A27-00803-0019				
EPROM VG-E	1	4A	0A27-00803-0020				
EPROM VG-F	1	3A	0A27-00803-0021				
EPROM VG-G	1	2A	0A27-00803-0022				
EPROM VG-H	1	1A	0A27-00803-0023				

PROJECT ENG: R.A. PLOUSSARD		USED ON SPY HUNTER		REVISIONS	
DO NOT SCALE DWG.		HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DIM. TOLERANCES UNLESS SPECIFIED		DRAWN: RLW	MAT'L:	PART NO. M051 - 00304 - J001	
CONCENTRICITY ± 0.005 SURFACE FINISH 125 DECIMAL .005 HOLE DIA. ± 0.02 800		CHECKED:	FINISH:	MCR III VIDEO GEN. P.C. ASSEMBLY DWG. A080-91433-J000	
DATE 10/31/83					



DESIGNATION LIST

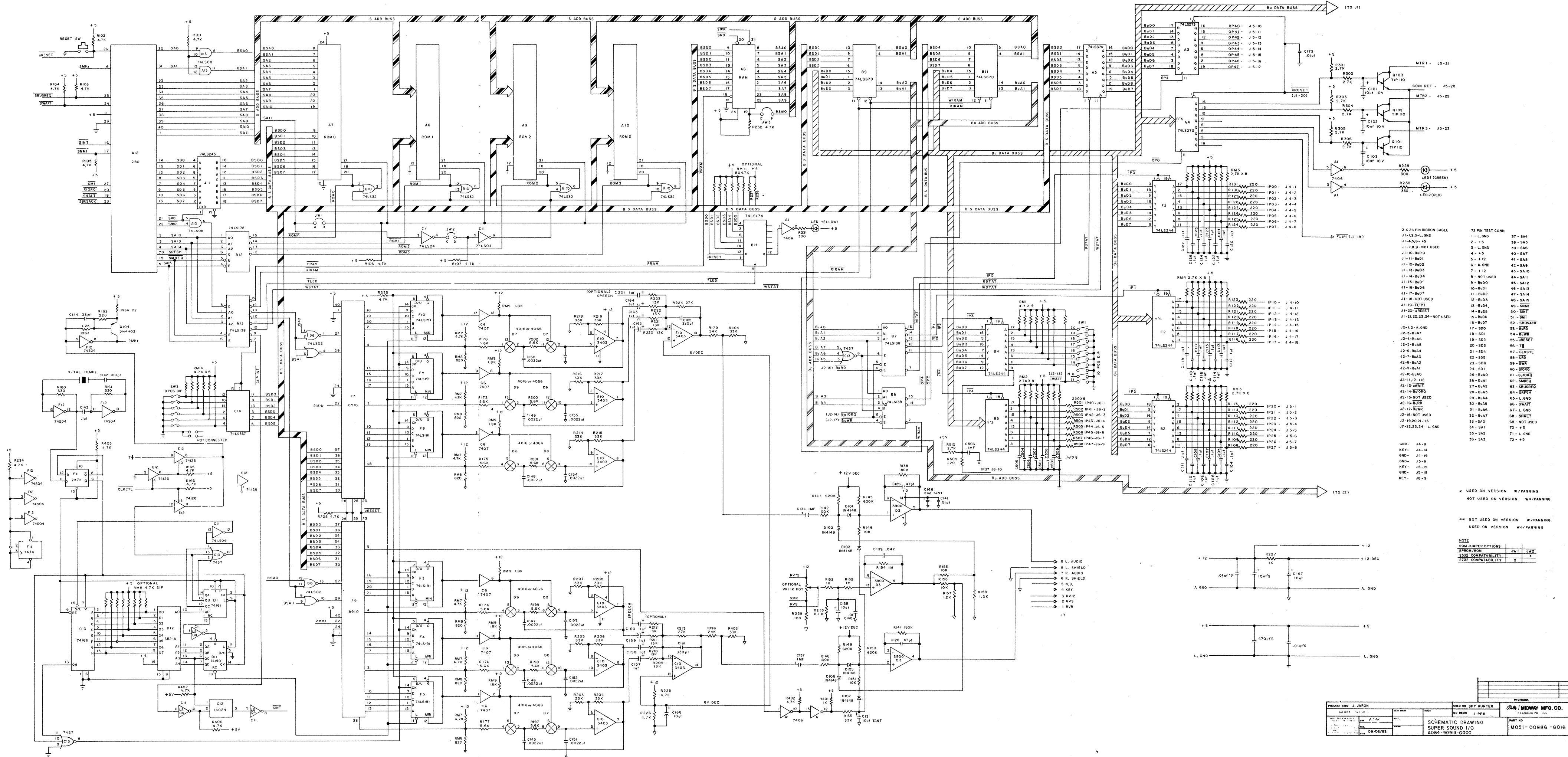
DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C101-C103	10 MF 25V AX. TANT.	R152	1MEG. OHM 1/4W 5X CRBN.	D101-D103	1N4148
C104-C127	.1 MF 50V AX. CER.	R153	1K OHM 1/4W 5X CRBN.	D105-D107	1N4148
C128, C129	.47 PF 50V AX. CER.	R154	1MEG. OHM 1/4W 5X CRBN.	Q101-Q103	1T1P110
C131	10 MF 25V AX. TANT.	R155, R156	10K OHM 1/4W 5X CRBN.	Q104	2N4403
C134-C137	1 MF 20V AX. TANT.	R157, R158	1.2K OHM 1/4W 5X CRBN.	IC1A	7406
C138	10 MF 25V AX. TANT.	R162	220 OHM 1/4W 5X CRBN.	IC3A, 4A	74LS273
C139	.047 MF 100V MYLAR	R160, R161	330 OHM 1/4W 5X CRBN.	IC5A	74LS374
C140	.01 MF 50V AX. CER.	R162	220 OHM 1/4W 5X CRBN.	IC6A	1K X 8 RAM
C142	100 PF 50V AX. CER.	R163	1.2K OHM 1/4W 5X CRBN.	IC7A	ROM/EPROM 0
C143	.1 MF 50V AX. CER.	R164	22 OHM 1/4W 5X CRBN.	IC8A	ROM/EPROM 1
C144	33 PF 50V AX. CER.	R165, R166	4.7K OHM 1/4W 5X CRBN.	IC9A	ROM/EPROM 2
C145-C155	.0022 MF 100V 10% MYLAR	R173-R178	5.6K OHM 1/4W 5X CRBN.	IC10A	ROM/EPROM 3
C157-C159	1 MF 20V AX. TANT.	R179	24K OHM 1/4W 5X CRBN.	IC11A	Z-80 CPU
C161	330 PF 50V AX. CER.	R196	24K OHM 1/4W 5X CRBN.	IC12A	74LS245
C162-C164	1 MF 20V AX. TANT.	R197-R202	5.6K OHM 1/4W 5X CRBN.	IC13A	74LS244
C165	330 PF 50V AX. CER.	R203-R208	33K OHM 1/4W 5X CRBN.	IC14C	74LS670
C166, C167	10 MF 25V AX. TANT.	R209-R211	13K OHM 1/4W 5X CRBN.	IC10B	74LS32
C172	10 MF 25V AX. TANT.	R213	27K OHM 1/4W 5X CRBN.	IC11B	74LS670
C173	.01 MF 50V AX. CER.	R214-R219	33K OHM 1/4W 5X CRBN.	IC12B, 13B	74LS138
C501-C509	.1 MF 50V AX. CER.	R220-R222	13K OHM 1/4W 5X CRBN.	IC14B	74LS174
CP1	470 MF 16V AX. ELECT.	R224	27K OHM 1/4W 5X CRBN.	IC6C	7407
CP2-CP12	.01 MF 50V AX. CER.	R225, R226	4.7K OHM 1/4W 5X CRBN.	IC10C	MC3403
CP13	470 MF 16V AX. ELECT.	R227	1K OHM 1/4W 5X CRBN.	IC11C	74LS04
CP14-CP19	.01 MF 50V AX. CER.	R228	4.7K OHM 1/4W 5X CRBN.	IC12C	MC14024
CP20	10 MF 25V AX. TANT.	R231	300 OHM 1/4W 5X CRBN.	IC13C	7427
CP21-CP27	.01 MF 50V AX. CER.	R232	4.7K OHM 1/4W 5X CRBN.	IC14C	74LS367
CP29-CP33	.01 MF 50V AX. CER.	R233	3K OHM 1/4W 5X CRBN.	IC3D	LM3900
CP34	10 MF 25V AX. TANT.	R234, R235	4.7K OHM 1/4W 5X CRBN.	IC6D	74LS02
CP52, CP53	10 MF 25V AX. TANT.	R239	100 OHM 1/4W 5X CRBN.	IC7D-9D	MC14016
CP54	470 MF 16V AX. ELECT.	R301-R306	2.7K OHM 1/4W 5X CRBN.	IC11D	74190
CP202-CP274	10 MF 25V AX. TANT.	R401	1K OHM 1/4W 5X CRBN.	IC12D	PROMSB2A
R101-R107	4.7K OHM 1/4W 5X CRBN.	R402	4.7K OHM 1/4W 5X CRBN.	IC13D	74166
R108-R131	220 OHM 1/4W 5X CRBN.	R403, R404	33K OHM 1/4W 5X CRBN.	IC14D	74LS244
R135	33K OHM 1/4W 5X CRBN.	R405-R407	4.7K OHM 1/4W 5X CRBN.	IC10E	MC3403
R138, R141	180K OHM 1/4W 5X CRBN.	R501-R509	220 OHM 1/4W 5X CRBN.	IC11E	74161
R142	100K OHM 1/4W 5X CRBN.	R510	2.7K OHM 1/4W 5X CRBN.	IC12E	74126
R144, R145	620K OHM 1/4W 5X CRBN.	RM1	4.7K OHM 10 PIN S.I.P.	IC2F	74LS244
R146	10K OHM 1/4W 5X CRBN.	RM2-RM5	2.7K OHM 10 PIN S.I.P.	IC3F-5F	74LS191
R148	100K OHM 1/4W 5X CRBN.	RM7	4.7K OHM 8 PIN S.I.P.	IC6F, 7F	AY-3-8910
R149, R150	620K OHM 1/4W 5X CRBN.	RM8	820 OHM 8 PIN S.I.P.	IC8F-10F	74LS191
R151	10K OHM 1/4W 5X CRBN.	RM9	1.8K OHM 10 PIN S.I.P.	IC11F	7474
		RM14	4.7K OHM 10 PIN S.I.P.	IC12F	74S04



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5X AX. CER.	1	C144	0986-00800-0300	1N4148	6	D101-D103, D105-D107	0986-00801-0200
.47 PF 50V AX. CER.	2	C128, C129	0986-00800-2800	2N4403	1	Q104	0986-00802-0500
100 PF 50V 5X AX. CER.	1	C142	0986-00800-1000	1T1P110	3	Q101-Q103	0986-00802-0400
330 PF 50V AX. CER.	2	C161, C165	0986-00800-1300	74LS02	1	IC 6D	0986-00803-7400
.0022 MF 100V 10% MYLAR	12	C145-C156	0986-00800-1200	74LS04	1	IC 11C	0986-00803-6900
.047 MF 100V MYLAR	1	C139	0986-00800-2600	74S04	1	IC 12F	0986-00803-6600
.01 MF 50V AX. CER.	47	CP2-CP12, CP14-CP19, CP21-CP27, CP29-CP33, CP35-CP46, CP48-CP51, C140, C173	0986-00800-2000	7406	1	IC 1A	0986-00803-7600
.1 MF 50V AX. CER.	1	CP2-CP12, CP14-CP19, CP21-CP27, CP29-CP33, CP35-CP46, CP48-CP51, C140, C173	0986-00800-2000	7407	1	IC 6C	0986-00803-5900
.1 MF 50V AX. CER.	34	CP2-CP12, CP14-CP19, CP21-CP27, CP29-CP33, CP35-CP46, CP48-CP51, C140, C173	0986-00800-2000	74LS08	1	IC 13A	0986-00803-7300
1 MF 20V AX. TANT.	8	C134, C137, C157-C159, C162-C164	0986-00800-1400	7427	1	IC 13C	0986-00803-7200
10 MF 25V AX. TANT.	15	CP20, CP52, CP53, C101-C103, C131, C138, C166, C167, C172	0986-00800-0700	74LS32	1	IC 10B	0986-00803-6100
470 MF 16V AX. ELECT.	4	CP1, CP13, CP47, CP54	0986-00800-2700	7474	1	IC 11F	0986-00803-6700
22 OHM 1/4W 5X CRBN.	1	R164	0062-063B3-1XXX	74126	1	IC 12E	0986-00803-6800
100 OHM 1/4W 5X CRBN.	1	R239	0062-110B3-1XXX	74LS138	4	IC7B, 8B, 12B, 13B	0986-00803-6500
220 OHM 1/4W 5X CRBN.	34	R108-R131, R162, R501-R509	0062-133B3-1XXX	74161	1	IC 11E	0986-00803-5100
300 OHM 1/4W 5X CRBN.	1	R231	0062-141B3-1XXX	74166	1	IC 13D	0986-00803-5300
330 OHM 1/4W 5X CRBN.	2	R160, R161	0062-144B3-1XXX	74LS174	1	IC 14B	0986-00803-7500
1K OHM 1/4W 5X CRBN.	3	R153, R227, R401	0062-179B3-1XXX	74190	1	IC 11D	0986-00803-9400
1.2K OHM 1/4W 5X CRBN.	3	R157, R158, R163	0062-183B3-1XXX	74LS191	6	IC3F-5F, 8F-10F	0986-00803-5600
2.7K OHM 1/4W 5X CRBN.	7	R301-R306, R510	0062-199B3-1XXX	74LS244	5	IC2B, 4B, 5B, 2E, 2F	0986-00803-4800
3K OHM 1/4W 5X CRBN.	1	R233	0062-201B3-1XXX	74LS245	1	IC 11A	0986-00803-6400
4.7K OHM 1/4W 5X CRBN.	19	R101-R107, R165, R166, R225, R226, R228, R232, R233, R235, R402, R405-R407	0062-211B3-1XXX	74LS273	2	IC 13A, 4A	0986-00803-4700
5.6K OHM 1/4W 5X CRBN.	12	R173-R178, R197-R202	0062-215B3-1XXX	74LS367	1	IC 14C	0986-00803-7000
10K OHM 1/4W 5X CRBN.	4	R146, R151, R155, R156	0062-227B3-1XXX	74LS374	1	IC 5A	0986-00803-4600
13K OHM 1/4W 5X CRBN.	6	R209-R211, R220-R222	0062-233B3-1XXX	74S670	2	IC9B, 11B	0986-00803-6300
24K OHM 1/4W 5X CRBN.	2	R179, R196	0062-245B3-1XXX	AY-3-8910	2	IC6F, 7F	0986-00803-8500
27K OHM 1/4W 5X CRBN.	2	R213, R224	0062-247B3-1XXX	LM3900	1	IC 3D	0986-00803-4900
33K OHM 1/4W 5X CRBN.	15	R135, R203-R208, R214-R219, R403, R404	0062-251B3-1XXX	MC3403	2	IC10C, 10E	0986-00803-5000
100K OHM 1/4W 5X CRBN.	2	R142, R148	0062-275B3-1XXX	MC14016	3	IC7D-9D	0986-00803-6200
180K OHM 1/4W 5X CRBN.	2	R138, R141	0062-287B3-1XXX	MC14024	1	IC 12C	0986-00803-7100
620K OHM 1/4W 5X CRBN.	4	R144, R145, R149, R150	0062-313B3-1XXX	PROMSB2-A	1	IC 12D	0986-00803-8200
1 MEG. OHM 1/4W 5X CRBN.	2	R152, R154	0062-323B3-1XXX	RAM 1K X 8	1	IC 6A	0986-00803-8000
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800	ROM/EPROM 0	1	IC 7A	0A27-00803-0024
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600	ROM/EPROM 1	1	IC 8A	0A27-00803-0025
2.7K OHM 10 PIN S.I.P.	4	RM2-RM5	0986-00805-0500	ROM/EPROM 2	1	IC 9A	NOT USED
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400	ROM/EPROM 3	1	IC 10A	NOT USED
4.7K OHM 10 PIN S.I.P.	2	RM1, RM14	0986-00805-0300	Z-80 (3880)	1	IC 12A	0986-J0803-5500

PROJECT ENG: C. MEDNICK		HEAT TREAT		SCALE		USED ON: SPY HUNTER UR		Bally / MIDWAY MFG. CO.	
DO NOT SCALE DWG.		FULL		NO. REQ'D		PER		FRANKLIN, PA. U.S.A.	
DIM. TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		SUPER SOUND I/O BD. ASSEMBLY DWG.		PART NO.		M051 - 00A27 - A011	
DATE: 11-01/83				A084-90913-AA27					



- 2 X 24 PIN RIBBON CABLE
J1-1,2,3-L GND
J1-4,5,6-+5
J1-7,8,9-NOT USED
J1-10-Bu0
J1-11-Bu1
J1-12-Bu2
J1-13-Bu3
J1-14-Bu4
J1-15-Bu5
J1-16-Bu6
J1-17-Bu7
J1-18-NOT USED
J1-19-RESET
J1-20-WRESET
J1-21,22,23,24-NOT USED
- 72 PIN TEST CONN
1-L GND
2-+5
3-L GND
4-+5
5-+12
6-A GND
7-+12
8-NCT USED
9-Bu0
10-Bu1
11-Bu2
12-Bu3
13-Bu4
14-Bu5
15-Bu6
16-Bu7
17-S00
18-S01
19-S02
20-S03
21-S04
22-S05
23-S06
24-S07
25-BuA0
26-BuA1
27-BuA2
28-BuA3
29-BuA4
30-BuA5
31-BuA6
32-BuA7
33-SAD
34-SAI
35-SAZ
36-SAX
- 37-SAA
38-SAS
39-SAG
40-SAT
41-SAB
42-SAB
43-SAI0
44-SAI1
45-SAI2
46-SAI3
47-SAI4
48-SAIS
49-SNMT
50-SINT
51-SMT
52-SUBACK
53-Bu0
54-Bu1
55-WRESET
56-+5
57-CLKCTL
58-SRD
59-SWR
60-SORG
61-SUREQ
62-SUREQ
63-SUREQ
64-SUREQ
65-L GND
66-SWAT
67-L GND
68-SWAT
69-NOT USED
70-+5
71-L GND
72-+5

* USED ON VERSION W/PANNING
NOT USED ON VERSION W/PANNING

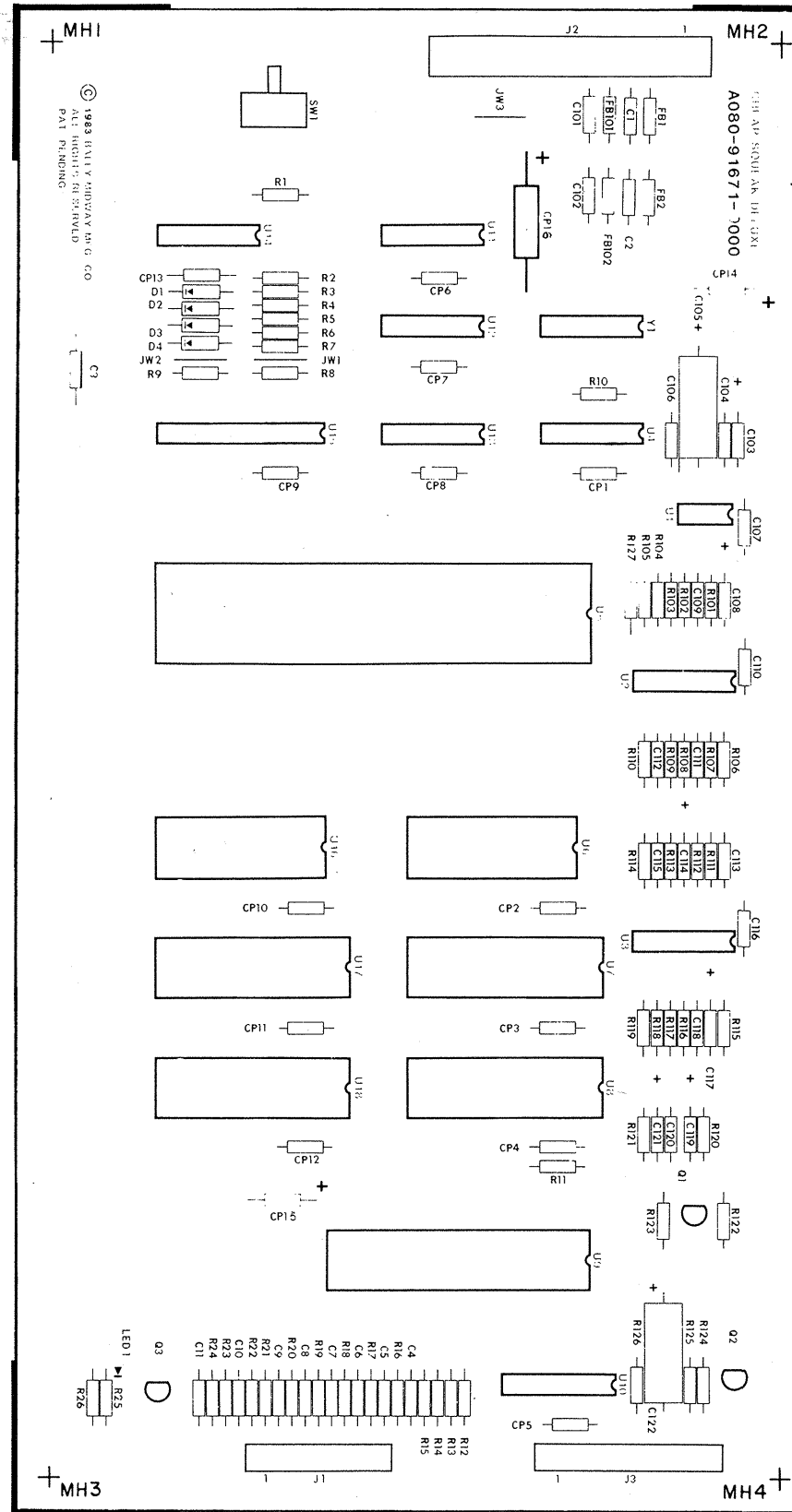
** NOT USED ON VERSION W/PANNING
USED ON VERSION W/PANNING

NOTE
ROM SUMMER OPTIONS
EPROM/ROM
2532 COMPATIBILITY
2532 COMPATIBILITY

OPTION	JW1	JW2
2532 COMPATIBILITY		X
2532 COMPATIBILITY	X	

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C1,C2	390 PF AX CER	R122	2.7K OHM 1/4W CRBN
C3-C5	100 PF AX CER	R123,R124	360 OHM 1/4W CRBN
C6,C7	820 PF AX CER	R125	180 OHM 1/4W CRBN
C8-C11	100 PF AX CER	R126	2.7K OHM 1/4W CRBN
C101,C102	390 PF AX CER	R127	560K OHM 1/4W CRBN
C103	1 MF RD TANT		
C104	.01 MF AX CER	D1-D4	1N5817
C105	47 MF AX ELECT		
C106	680 PF AX CER	Q1-Q3	2N5305
C107	.01 MF AX CER		
C108	1 MF RD TANT	U1	MC3340
C109	68 PF AX CER 10%	U2,U3	LM359
C110	.01 MF AX CER	U4	74S74
C111	150 PF AX CER 10%	U5	68000-8 CPU
C112	470 PF AX CER 10%	U6	2KX8 RAM
C113	270 PF AX CER 10%	U7	EPROM
C114	1 MF RD TANT	U8	EPROM
C115	5600 PF AX CER 10%	U9	6821 PIA
C116	.01 MF AX CER	U10	AD7533JN DAC
C117	1 MF RD TANT	U11	MC14584/40106
C118	270 PF AX CER	U12	74LS74
C119	10 MF RD TANT	U13	74LS04
C120	.01 MF AX CER	U14	74F32/74S32
C121	10 MF RD TANT	U15	CS0002RO PAL
C122	47 MF AX ELECT	U16	2KX8 RAM 250NS
CP1-CP13	.01MF AX CER	U17	EPROM
CP14,CP15	10 MF AX TANT	U18	EPROM
CP16	100 MF AX ELECT	FB1,FB2	FERRITE BEAD
		FB101,FB102	FERRITE BEAD
R1-R3	4.7K OHM 1/4W CRBN	ICS U5	64 PIN IC SOCKET
R4	10K OHM 1/4W CRBN	ICS U6	24 PIN IC SOCKET
R5	100K OHM 1/4W CRBN	ICS U7,U8	28 PIN IC SOCKET
R6-R9	4.7K OHM 1/4W CRBN	ICS U9	40 PIN IC SOCKET
R10	1K OHM 1/4W CRBN	ICS U10	16 PIN IC SOCKET
R11-R14	4.7K OHM 1/4W CRBN	ICS U15	8 PIN IC SOCKET
R15,R16	10K OHM 1/4W CRBN	ICS U15A	16 PIN IC SOCKET
R17,R18	100 OHM 1/4W CRBN	ICS U16	24 PIN IC SOCKET
R19-R21	10K OHM 1/4W CRBN	ICS U17,U18	28 PIN IC SOCKET
R22	100K OHM 1/4W CRBN		
R23	10K OHM 1/4W CRBN	J1	AUTO INSERT PINS TIN
R24	100K OHM 1/4W CRBN		
R25	100 OHM 1/4W CRBN	J2	.025 SQ. PIN
R26	47K OHM 1/4W CRBN	J3	AUTO INSERT PINS TIN
R101	24K OHM 1/4W CRBN		
R102	160K OHM 1/4W CRBN		
R103	100 OHM 1/4W CRBN		
R104	330K OHM 1/4W CRBN		
R105	24K OHM 1/4W CRBN	JW1-JW3	ZERO OHM RESISTOR
R106	3.3K OHM 1/4W CRBN		
R107	24K OHM 1/4W CRBN	LED 1	GREEN LED
R108	150K OHM 1/4W CRBN		
R109	82K OHM 1/4W CRBN	SW1	SWITCH PC MOUNT
R110	510K OHM 1/4W CRBN		
R111,R112	120K OHM 1/4W CRBN	Y1	16 MHZ XSTAC OSC
R113	33K OHM 1/4W CRBN		
R114	330K OHM 1/4W CRBN	MH1-MH4	1/4" SPACER FOR
R115	150K OHM 1/4W CRBN		
R116	33K OHM 1/4W CRBN		
R117	18K OHM 1/4W CRBN	PC BOARD	A080-91671-D000
R118	100K OHM 1/4W CRBN		
R119	510K OHM 1/4W CRBN		
R120	47K OHM 1/4W CRBN		
R121	1K OHM 1/4W CRBN		

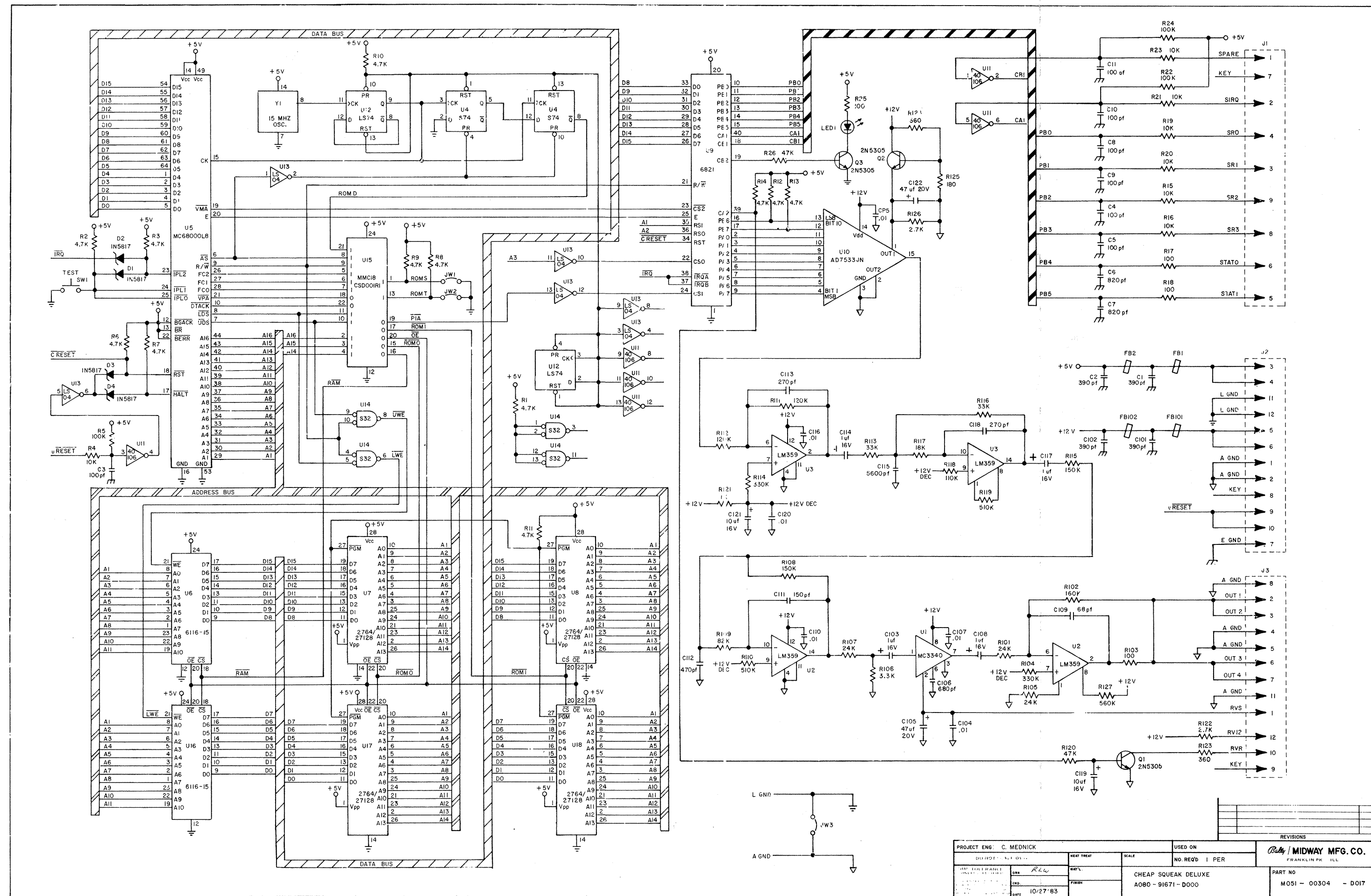


DESCRIPTION	QTY	DESIGNATION NO.
68 PF AX CER 10%	1	C109
100 PF AX CER	7	C3-C5,C8-C11
150 PF AX CER 10%	1	C111
270 PF AX CER 10%	2	C113,C118
390 PF AX CER	4	C1,C2,C101,C102
470 PF AX CER 10%	1	C112
680 PF AX CER	1	C106
820 PF AX CER	2	C6,C7
5600 PF AX CER 10%	1	C115
.01 MF AX CER	18	C104,C107,C110,C116,C120,CP1-CP13
1 MF RD TANT	4	C103,C108,C114
10 MF AX TANT	2	C117
10 MF RD TANT	2	CP14,CP15
47 MF AX ELECT	2	C119,C121
100 MF AX ELECT	1	C105,C122
100 OHM 1/4W CRBN	4	CP16
130 OHM 1/4W CRBN	1	R17,R18,R25,R105
360 OHM 1/4W CRBN	2	R123,R124
1K OHM 1/4W CRBN	2	R10,R121
2.7K OHM 1/4W CRBN	2	R122,R126
3.3K OHM 1/4W CRBN	1	R106
4.7K OHM 1/4W CRBN	11	R1-R3,R6-R9,R11-R14
10K OHM 1/4W CRBN	7	R4,R15,R16,R19-R21,R23
18K OHM 1/4W CRBN	1	R117
24K OHM 1/4W CRBN	3	R101,R105,R107
33K OHM 1/4W CRBN	2	R113,R116
47K OHM 1/4W CRBN	2	R26,R120
82K OHM 1/4W CRBN	1	R139
100K OHM 1/4W CRBN	4	R5,R22,R24,R118
120K OHM 1/4W CRBN	2	R111,R112
150K OHM 1/4W CRBN	2	R108,R115
160K OHM 1/4W CRBN	1	R132
330K OHM 1/4W CRBN	2	R104,R114
510K OHM 1/4W CRBN	2	R110,R119
560K OHM 1/4W CRBN	1	R127
1N5817	4	D1-D4
2N5305	3	Q1-Q3
74LS04	1	U13
74F32/74S32	1	U14
74LS74	1	U12
74S74	1	U4
14584/40106	1	U11
6821 PIA	1	U9
68000-3 CPU	1	U5
AD7533JN	1	U10

CROSS REFERENCE LIST

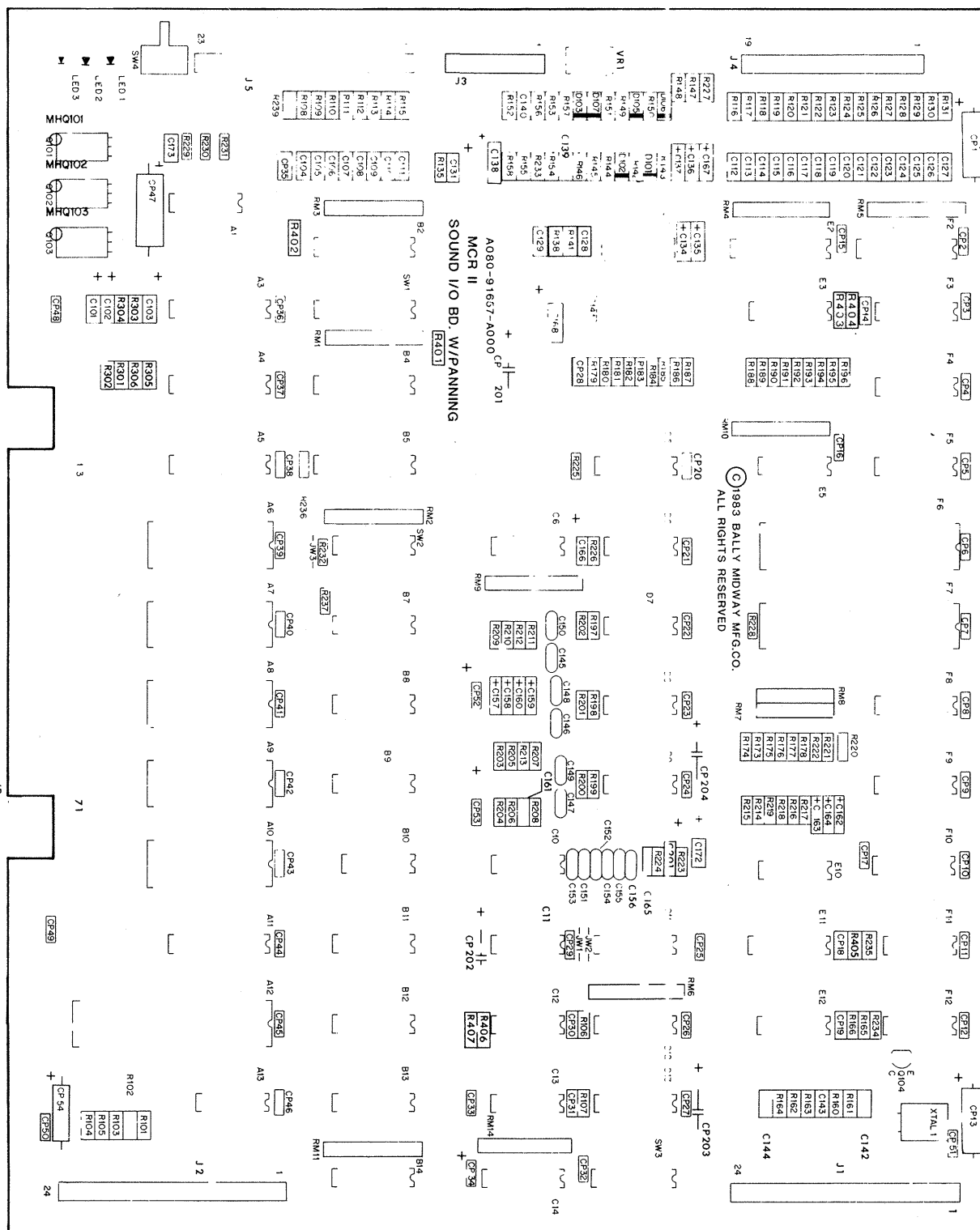
PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
0307-00800-0011	CS0002RO PAL	1	U15	0304-00803-0052
0304-00800-0001	LM359	2	U2,U3	0304-00803-0053
0307-00800-0010	MC3340	1	U1	0304-00803-0002
0307-00800-0009	RAM 2KX8	2	U6,U16	0304-00803-0057
0986-00800-3000	ROM/EPROM	1	U7	0A27-00803-0012
0307-00800-0008	ROM/EPROM	1	U8	0A27-00803-0014
0358-00800-0002	ROM/EPROM	1	U17	0A27-00803-0013
0304-00800-0002	ROM/EPROM	1	U18	0A27-00803-0015
0307-00800-0007				
0986-00800-2200	FERRITE BEAD	4	FB1,FB2,FB101,FB102	0316-00804-0002
0307-00800-0004	8 PIN IC SOCKET	1	ICS U15	0986-00804-3600
0986-00800-0700	16 PIN IC SOCKET	2	ICS U10,U15A	0986-00804-1400
0307-00800-0005	24 PIN IC SOCKET	2	ICS U6,U16	0986-00804-1600
0307-00800-0003	28 PIN IC SOCKET	4	ICS U7,U8,U17,U18	0986-00804-3900
0307-00800-0006	40 PIN IC SOCKET	1	ICS U9	0986-00804-1500
	64 PIN IC SOCKET	1	ICS U5	0307-00804-0001
100E-00005-0053	AUTO INSERT PIN	8	J1	0304-00804-0009
100E-00005-0059	TIN .025 SQ		J3	0304-00804-0009
100E-00005-0048	AUTO INSERT PIN	11	J2	0304-00804-0010
100E-00005-0061	TIN .025 SQ			
100E-00005-0071	AUTO INSERT PIN	11		
100E-00005-0074	TIN .045 SQ			
100E-00005-0079				
100E-00005-0088	ZERO OHM RES	3	JW1-JW3	0986-00804-4000
100E-00005-0093	GREEN LED	1	LED 1	0360-00804-0015
100E-00005-0097	SWITCH PC MTG	1	SW1	0986-00804-3100
100E-00005-0100	16 MHZ XSTAL OSC	1	Y1	0304-00804-0008
100E-00005-0104	1/4" SPACER FOR	4	MH1-MH4	0017-00042-0320
100E-00005-0112	#8 SCREW			
100E-00005-0115	PC BOARD	1		A080-91671-D000
100E-00005-0118				
100E-00005-0120				
100E-00005-0121				
100E-00005-0128				
100E-00005-0133				
100E-00005-0134				
103E-00003-0009				
104E-00007-0003				
0304-00803-0060				
0304-00803-0059				
0304-00803-0058				
0304-00803-0061				
0304-00803-0056				
0304-00803-0054				
0304-00803-0051				
0304-00803-0055				

PROJECT ENG: C. MEDNICK		USED ON		REVISIONS	
DO NOT SCALE DWG.		HEAT TREAT	SCALE FULL	NO. REQ'D PER	
DIM. TOLERANCES UNLESS SPECIFIED		MAT'L.	CHEAP SQUEAK DELUXE ASSEMBLY DWG.		PART NO.
DRG. RLL		FINISH	A080-91671-D000		M051 - 00304 - D016
CHKD.		DATE 11/09/83			



DESIGNATION LIST

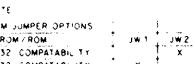
DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C101-C103	10 MF 25V AX. TANT.	R173-R178	5.6K OHM 1/4W 5% CRBN.	IC14C	74LS367
C104-C127	.1 MF 50V AX. CER.	R179	24K OHM 1/4W 5% CRBN.	IC3D	LM3900
C128,C129	.47 PF 50V AX. CER.	R180-R186	4.7K OHM 1/4W 5% CRBN.	IC5D	MC14051
C131	10 MF 25V AX. TANT.	R187,R188	24K OHM 1/4W 5% CRBN.	IC6D	74LS02
C134-C137	1 MF 20V AX. TANT.	R189,R195	4.7K OHM 1/4W 5% CRBN.	IC7D-9D	MC14016
C138	10 MF 25V AX. TANT.	R196	24K OHM 1/4W 5% CRBN.	IC11D	74190
C139	.047 MF 100V MYLAR	R197-R202	5.6K OHM 1/4W 5% CRBN.	IC12D	PROMS82A
C140,C141	.01 MF 50V AX. CER.	R203-R208	33K OHM 1/4W 5% CRBN.	IC13D	74166
C142	100 PF 50V AX. CER.	R209-R211	13K OHM 1/4W 5% CRBN.	IC15E	74LS244
C143	.1 MF 50V AX. CER.	R213	27K OHM 1/4W 5% CRBN.	IC3E	MC14051
C144	33 PF 50V AX. CER.	R214-R219	33K OHM 1/4W 5% CRBN.	IC5E	7407
C145-C156	.0022 MF 100V 10X MYLAR	R220-R222	13K OHM 1/4W 5% CRBN.	IC10E	MC3403
C157-C159	1 MF 20V AX. TANT.	R224	27K OHM 1/4W 5% CRBN.	IC11E	74161
C161	330 PF 50V AX. CER.	R225,R226	4.7K OHM 1/4W 5% CRBN.	IC12E	74126
C162-C164	1 MF 20V AX. TANT.	R227	1K OHM 1/4W 5% CRBN.	IC2F	74LS244
C165	330 PF 50V AX. CER.	R228	4.7K OHM 1/4W 5% CRBN.	IC3F-5F	74LS191
C166-C168	10 MF 25V AX. TANT.	R231	300 OHM 1/4W 5% CRBN.	IC6F,7F	AY-3-8910
C172	10 MF 25V AX. TANT.	R232	4.7K OHM 1/4W 5% CRBN.	IC8F-10F	74LS191
C173	.01 MF 50V AX. CER.	R233	3K OHM 1/4W 5% CRBN.	IC11F	7474
CP1	470 MF 16V AX. ELECT.	R234,R235	4.7K OHM 1/4W 5% CRBN.	IC12F	74S04
CP2-CP12	.01 MF 50V AX. CER.	R239	100 OHM 1/4W 5% CRBN.	ICS6A-ICS10A	24 PIN IC SOCKET
CP13	470 MF 16V AX. ELECT.	R301-R306	2.7K OHM 1/4W 5% CRBN.	ICS12A	40 PIN IC SOCKET
CP14-CP33	.01 MF 50V AX. CER.	R401	1K OHM 1/4W 5% CRBN.	ICS12D	16 PIN IC SOCKET
CP34	10 MF 25V AX. TANT.	R402	4.7K OHM 1/4W 5% CRBN.	ICS6F,7F	40 PIN IC SOCKET
CP35-CP46	.01 MF 50V AX. CER.	R405-R407	4.7K OHM 1/4W 5% CRBN.	J1,J2	24 PIN KK100 RT. ANGLE
CP47	470 MF 16V AX. ELECT.	RM1	4.7K OHM 10 PIN S.I.P.	J3	10 PIN KK100 RT. ANGLE OMIT 4
CP48-CP51	.01 MF 50V AX. CER.	RM3-RM5	2.7K OHM 10 PIN S.I.P.	J4	19 PIN KK100 RT. ANGLE OMIT 14
CP52,CP53	10 MF 25V AX. TANT.	RM7	4.7K OHM 8 PIN S.I.P.	J5	23 PIN KK100 RT. ANGLE OMIT 19
CP54	470 MF 16V AX. ELECT.	RM8	820 OHM 8 PIN S.I.P.	JW1,JW2	JUMPER WIRE
CP201-CP204	10 MF 25V AX. TANT.	RM9	1.8K OHM 10 PIN S.I.P.	LED 3	YELLOW LED
R101-R107	4.7K OHM 1/4W 5% CRBN.	RM10	22K OHM 10 PIN S.I.P.	SW1	8 POSITION DIP
R108-R131	220 OHM 1/4W 5% CRBN.	RM14	4.7K OHM 10 PIN S.I.P.	SW3	8 POSITION DIP
R135	33K OHM 1/4W 5% CRBN.	D101-D103	1N4148	SW4	PUSHBUTTON S.W.
R138,R141	180K OHM 1/4W 5% CRBN.	D105-D107	1N4148	XTAL 1	16 MHZ XTAL
R142,R143	100K OHM 1/4W 5% CRBN.	Q101-Q103	T1P110	MHQ101-MHQ103	SNAP
R144,R145	620K OHM 1/4W 5% CRBN.	Q104	2N4403	A080-91657-A000	SOUND I/O BD. W/PANNING
R146	10K OHM 1/4W 5% CRBN.	IC1A	7406		
R147,R148	100K OHM 1/4W 5% CRBN.	IC3A,4A	74LS273		
R149,R150	620K OHM 1/4W 5% CRBN.	IC5A	74LS374		
R151	10K OHM 1/4W 5% CRBN.	IC6A	1K X 8 RAM		
R152	1MEG. OHM 1/4W 5% CRBN.	IC7A	ROM/EPROM 0		
R153	1K OHM 1/4W 5% CRBN.	IC8A	ROM/EPROM 1		
R154	1MEG. OHM 1/4W 5% CRBN.	IC9A	ROM/EPROM 2		
R155,R156	10K OHM 1/4W 5% CRBN.	IC10A	ROM/EPROM 3		
R157,R158	1.2K OHM 1/4W 5% CRBN.	IC11A	74LS245		
R160,R161	330 OHM 1/4W 5% CRBN.	IC12A	2-80 CPU		
R162	220 OHM 1/4W 5% CRBN.	IC13A	74LS08		
R163	1.2K OHM 1/4W 5% CRBN.	IC2B,4B	74LS244		
R164	22 OHM 1/4W 5% CRBN.	IC7B,8B	74LS138		
R165,R166	4.7K OHM 1/4W 5% CRBN.	IC9B	74LS670		
		IC10B	74LS32		
		IC11B	74LS670		
		IC12B,13B	74LS138		
		IC14B	74LS174		
		IC6C	7407		
		IC10C	MC3403		
		IC11C	74LS04		
		IC12C	MC14024		
		IC13C	7427		



PROJECT ENG: C. MEDNICK	HEAT TREAT	SCALE	USED ON	NO. REQ'D	PER
DO NOT SCALE DIMS		FULL	SPY HUNTER SD		
DIM TOLERANCES UNLESS OTHERWISE SPECIFIED					
DATE	11/08/83				
ASSEMBLY DWG.					
SOUND I/O BD. W/PANNING					
A084-91657-A307					
PART NO.					
M051-00307 - A008					

CROSS REFERENCE LIST

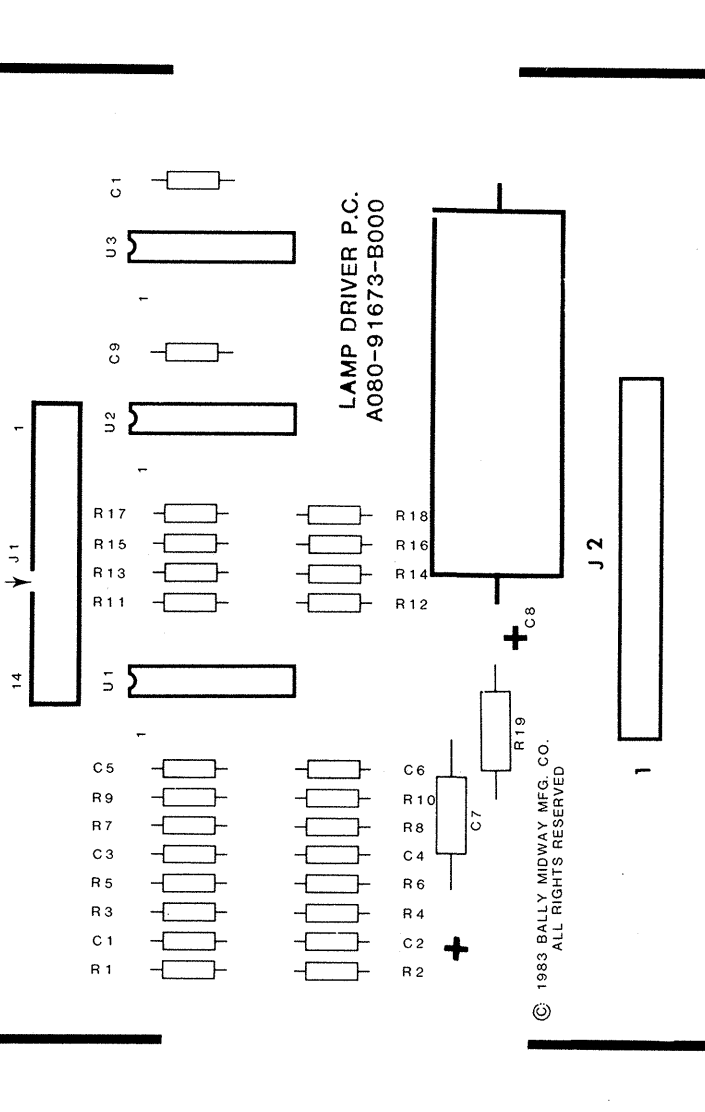
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5X AX. CER.	1	C144	0986-00800-0300	2N4403	1	Q104	0986-00802-0500
47 PF 50V AX. CER.	2	C128,C129	0986-00800-2800	T1P110	3	Q101-Q103	0986-00802-0400
100 PF 50V 5X AX. CER.	1	C142	0986-00800-1000	74LS02	1	IC 6D	0986-00803-7400
330 PF 50V AX. CER.	2	C161,C165	0986-00800-1300	74LS04	1	IC 11C	0986-00803-6900
.0022 MF 100V 10X MYLAR	12	C145-C156	0986-00800-1200	74LS06	1	IC 12F	0986-00803-6400
.047 MF 100V MYLAR	1	C139	0986-00800-2600	7407	2	IC 1A	0986-00803-7600
.01 MF 50V AX. CER.	50	CP2-CP12,CP14-CP33,CP35-CP46,CP48-CP51,C140,C141,C173	0986-00800-2000	74LS08	1	IC 5E,6C	0986-00803-5900
.1 MF 50V AX. CER.	25	C104-C127,C143	0986-00800-1100	74LS32	1	IC 13A	0986-00803-7300
1 MF 20V AX. TANT.	10	C134-C137,C157-C159,C162-C164	0986-00800-1400	7474	1	IC 13C	0986-00803-7200
10 MF 25V AX. TANT.	16	CP34,CP52,CP53,CP201-CP204,C101-C103,C131,C138,C166-C168,C172	0986-00800-0700	74LS32	1	IC 10B	0986-00803-6100
470 MF 16V AX. ELECT.	4	CP1,CP13,CP47,CP54	0986-00800-2700	74126	1	IC 11F	0986-00803-6700
22 OHM 1/4W 5% CRBN.	1	R164	0062-06383-1XXX	74LS138	4	IC 12E	0986-00803-6800
100 OHM 1/4W 5% CRBN.	1	R239	0062-11083-1XXX	74161	1	IC 7B,8B,12B,13B	0986-00803-6500
220 OHM 1/4W 5% CRBN.	25	R108-R131,R162	0062-13383-1XXX	74166	1	IC 11E	0986-00803-5100
300 OHM 1/4W 5% CRBN.	1	R231	0062-14183-1XXX	74LS174	1	IC 13D	0986-00803-5300
350 OHM 1/4W 5% CRBN.	2	R160,R161	0062-14483-1XXX	74LS191	6	IC 14B	0986-00803-7500
1K OHM 1/4W 5% CRBN.	3	R153,R227,R401	0062-17983-1XXX	74190	1	IC 11D	0986-00803-9400
1.2K OHM 1/4W 5% CRBN.	3	R157,R158,R163	0062-18383-1XXX	74LS244	4	IC 3F-5F,8F-10F	0986-00803-5600
2.7K OHM 1/4W 5% CRBN.	6	R301-R306	0062-19983-1XXX	74LS245	2	IC 2B,4B,2E,2F	0986-00803-4800
3K OHM 1/4W 5% CRBN.	1	R233	0062-20183-1XXX	74LS273	1	IC 11A	0986-00803-6400
4.7K OHM 1/4W 5% CRBN.	33	R101-R107,R165,R166,R180-R186,R189-R195,R225,R226,R228,R232,R234,R235,R402,R405-R407	0062-21183-1XXX	74LS367	1	IC 3A,4A	0986-00803-4700
5.6K OHM 1/4W 5% CRBN.	12	R173-R178,R197-R202	0062-21583-1XXX	74LS374	1	IC 14C	0986-00803-7000
13K OHM 1/4W 5% CRBN.	4	R146,R151,R155,R156	0062-22783-1XXX	74LS670	1	IC 5A	0986-00803-4600
13K OHM 1/4W 5% CRBN.	6	R209-R211,R220-R222	0062-23383-1XXX	AY-3-8910	2	IC 9B,11B	0986-00803-6300
24K OHM 1/4W 5% CRBN.	4	R179,R187,R188,R196	0062-24583-1XXX	LM3900	1	IC 6F,7F	0986-00803-8500
27K OHM 1/4W 5% CRBN.	2	R213,R224	0062-24783-1XXX		1	IC 3D	0986-00803-4900
33K OHM 1/4W 5% CRBN.	13	R135,R203-R208,R214-R219	0062-25183-1XXX	MC3403	2	IC 10C,10E	0986-00803-5000
100K OHM 1/4W 5% CRBN.	4	R142,R143,R147,R148	0062-27583-1XXX	MC14016	3	IC 7D-9D	0986-00803-6200
180K OHM 1/4W 5% CRBN.	2	R138,R141	0062-28783-1XXX	MC14024	1	IC 12C	0986-00803-7100
620K OHM 1/4W 5% CRBN.	4	R144,R145,R149,R150	0062-31383-1XXX	MC14051	2	IC 3E,5D	0986-00803-5400
1 MEG. OHM 1/4W 5% CRBN.	2	R152,R154	0062-32383-1XXX	PROMS82-A	1	IC 12D	0986-00803-8200
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800	RAM 1K X 8	1	IC 6A	0986-00803-8000
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600	ROM/EPROM 0	1	IC 7A	0307-00803-0006
2.7K OHM 10 PIN S.I.P.	3	RM3-RM5	0986-00805-0500	ROM/EPROM 1	1	IC 8A	0307-00803-0007
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400	ROM/EPROM 2	1	IC 9A	NOT USED
4.7K OHM 10 PIN S.I.P.	2	RM1,RM14	0986-00805-0300	ROM/EPROM 3	1	IC 10A	NOT USED
22K OHM 10 PIN S.I.P.	1	RM10	0986-00805-0700	2-80(3880)	1	IC 12A	0986-00803-5500
1N4148	6	D101-D103,D105-D107	0986-00801-0200	16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400



FULL SCHEMATIC SOUND I/O W/ PANNING A084 - 91657 - A000		MIDWAY MFG. CO. FRANKLIN, PA. 15035
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DESIGNATION LIST

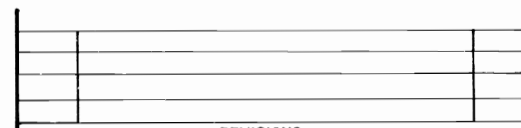
<u>DESIGNATION</u>	<u>NO.</u>	<u>DESCRIPTION</u>
C1-C4		100 PF 50V AX CER
C5		.01 UF 50V AX CER
C6		100 PF 50V AX CER
C7		10 UF 16V AX
		ELECT
C8		4700 UF 25V AX
		ELECT
C9,C10		.01 UF 50V AX CER
R1		10K OHM 1/4W 5%
R2		100K OHM 1/4W 5%
R3		10K OHM 1/4W 5%
R4		100K OHM 1/4W 5%
R5		10K OHM 1/4W 5%
R6		100K OHM 1/4W 5%
R7		10K OHM 1/4W 5%
R8		100K OHM 1/4W 5%
R9		10K OHM 1/4W 5%
R10		100K OHM 1/4W 5%
R11-R18		100K OHM 1/4W 5%
R19		2.2 OHM 1W 5%
U1		4099
U2,U3		2068B
J1		.025 SQ PIN
J2		.045 SQ PIN
PCMH1-PCMH4		SPACER #8
P.C. BOARD		A080-91673-A000



CROSS REFERENCE LIST

<u>DESCRIPTION</u>	<u>QTY</u>	<u>DESIGNATION NO.</u>	<u>PART NOS.</u>
100 PF 50V AX CER	5	C1-C4,C6	0639-00800-0003
.01 UF 50V AX CER	3	C5,C9,C10	0628-00800-0100
10 MF 16V AX	1	C7	0628-00800-0300
ELECT			
4700 UF 25V AX	1	C8	0383-00800-0006
ELECT			
2.2 OHM 1W 5%	1	R19	100E-00007-0003
10K OHM 1/4W 5%	5	R1,R3,R5,R7,R9	100E-00005-0088
100K OHM 1/4W 5%	13	R2,R4,R6,R8,R10 R11-R18	100E-00005-0119
2068B	2	U2,U3	0307-00803-0003
4099	1	U1	0307-00803-0004
.025 SQ PIN	13	J1	0017-00033-0479
.045 SQ PIN	10	J2	0017-00033-0480
SPACER #8	4	PCMH1-PCMH4	0017-00042-0320
P.C. BOARD	1		A080-91673-A000

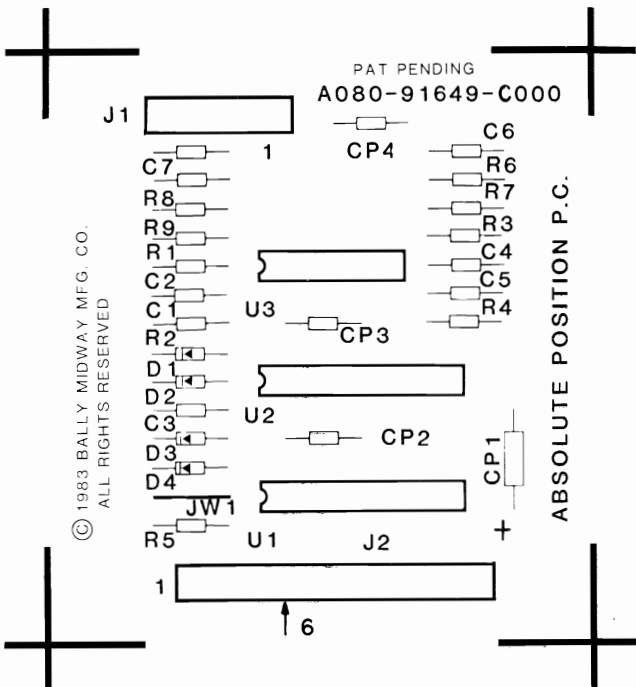
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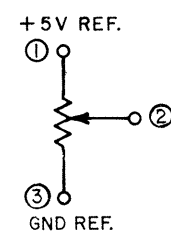
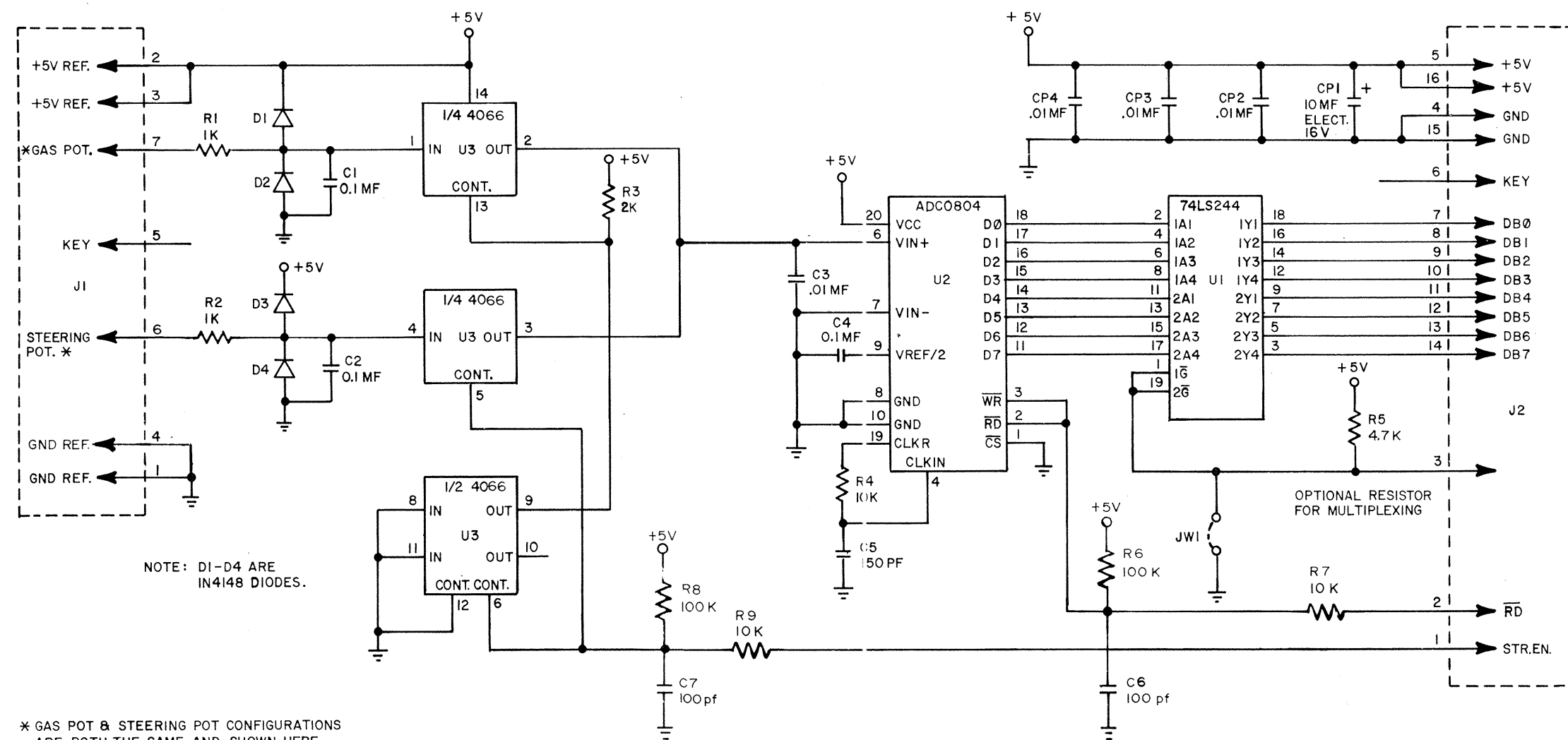
CROSS REFERENCE LIST

DESIGNATION NO.	DESCRIPTION
C1, C2	0.1 MF 50V AX CER
C3	.01 MF 50V AX CER
C4	.1 MF 50V AX CER
C5	150 PF 50V AX CER
C6, C7	100 PF 50V AX CER
CP1	10 MF 16V AX
CP2-CP4	.01 MF 50V AX CER
R1, R2	1K OHM 1/4W 5%
R3	2K OHM 1/4W 5%
R4	10K OHM 1/4W 5%
R5	4.7K OHM 1/4W 5%
R6	100K OHM 1/4W 5%
R7	10K OHM 1/4W 5%
R8	100K OHM 1/4W 5%
R9	10K OHM 1/4W 5%
D1-D4	1N4148 DIODE
U1	74LS244
U2	ADC0804
U3	4066
J1	.025 SQ AUTO WIRE
J2	.025 SQ AUTO WIRE
JW1	JUMPER WIRE
PCMH1-PCMH4	SPACER #8
PC BOARD	A080-91649-C000



DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF 50V AX CER	2	C6, C7	0639-00800-0003
150 PF 50V AX CER	1	C5	0307-00800-0002
.01MF 50V AX CER	4	CP2-CP4, C3	0628-00800-0100
.1 MF 50V AX CER	3	C1, C2, C4	0307-00800-0001
10 MF 16V AX	1	CP1	0628-00800-0300
1K OHM 1/4W 5%	2	R1, R2	100E-00005-0061
2K OHM 1/4W 5%	1	R3	100E-00005-0068
4.7K OHM 1/4W 5%	1	R5	100E-00005-0079
10K OHM 1/4W 5%	3	R4, R7, R9	100E-00005-0115
100K OHM 1/4W 5%	2	R6, R8	103E-00002-0005
1N4148 DIODE	4	D1-D4	0307-00803-0002
4066	1	U3	0639-00803-0003
74LS244	1	U1	0307-00803-0001
ADC0804	1	U2	0017-00033-0479
.025 SQ AUTO WIRE	21	J1, J2	0986-00805-0200
JUMPER WIRE	1	JW1	0017-00042-0320
SPACER #8	4	PCMH1-PCMH4	A080-91649-C000
P.C. BOARD	1		

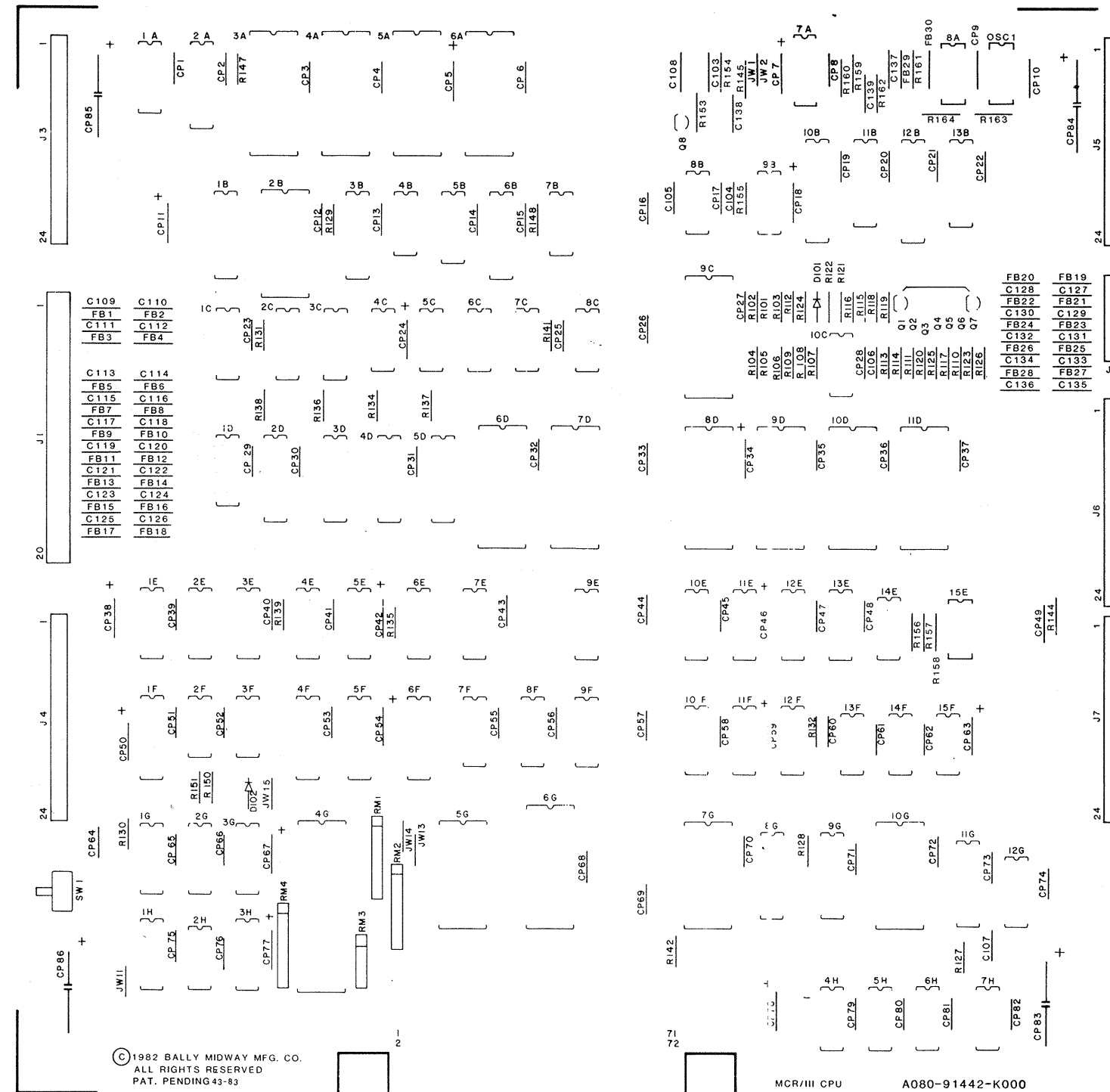
PROJECT ENG: J. ROYDSTON		USED ON DISC OF TRON		REVISIONS	
DO NOT SCALE DRAWING		HEAT TREAT	SCALE	NO. REQ'D 1 PER	
MATERIAL		FULL		Bally / MIDWAY MFG. CO.	
DATE 11/11/83		ASSEMBLY DWG		FRANKLIN PK IL	
ABSOLUTE POSITION P.C.		A080-91649-C000		PART NO.	
				M051 - 00114 - C084	



PROJECT ENG J. BOYDSTON		USED ON		REVISIONS	
DO NOT SCALE DVG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	Bally / MIDWAY MFG. CO.	
DIM. TOLERANCES UNLESS SPECIFIED	MAT'L.	SCHEMATIC DWG.		PART NO.	
DESIGNED BY M. W.	FINISH	ABSOLUTE POSITION P.C.		M051 - 00114 - C085	
CHECKED BY M. W.	DATE 10/27/83	A084-91649-C000			

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C103	33 PF 50V AX CER	RM1	4.7K 10 PIN SIP	13E	74LS174
C104	1 MF 50V AX CER	RM2	4.7K 10 PIN SIP	14E	74LS27
C105	390 MF 50V AX CER	RM3	4.7K 6 PIN SIP	15E	74S04
C106	390 MF 50V AX CER	RM4	4.7K 10 PIN SIP	1F	NVR CONT.
C107	100 PF 50V AX CER			2F	74LS32
C108	1 MF 50V AX CER	D101	4148	3F	74LS04
C109-C126	390 MF 50V AX CER	D102	1W5817	4F	74LS244
C109-C136	47 PF 50V AX CER			5F	74LS244
C137	100 PF AX CER	SW1	P.B. SWITCH	6F	74LS245
C156	330 PF AX CER			7F	74LS08
C159	33 PF AX CER	Q1	2N4123	8F	74LS138
CP1-CP4	.01MF 50V AX CER	Q2-Q7	MPS470	9F	74LS32
CP5	10 MF 25V AX TANT		2N4403	10F	74LS157
CP6	.01 MF 50V AX CER			11F	74LS157
CP7	10 MF 25V AX TANT	OSC1	20 MHZ XTAL OSC	12F	74LS157
CP8-CP10	.01 MF 50V AX CER			13F	7430
CP11	10 MF 25V AX TANT	JW1, JW2	JUMPER WIRE	14F	74LS04
CP12-CP17	.01MF 50V AX CER	JW11, JW13	JUMPER WIRE	15F	74LS20
CP18	10 MF 25V AX TANT	JW14, JW15	JUMPER WIRE	16G	4053
CP19-CP23	.01 MF 50V AX CER			2G	4017
CP24	10 MF 25V AX TANT	FB1-FB30	FERRITE BEAD	3C	Z80B
CP25-CP33	.01 MF 50V AX CER			4C	DATA RET RA
CP34	10 MF 25V AX TANT	1A	74LS153	5C	Z80BCTC
CP35-CP37	.01 MF 50V AX CER	2A	74LS273	6C	STAT RAM
CP38	10 MF 25V AX TANT	3A	EPROM BG-A	7C	74LS245
CP39-CP41	.01 MF 50V AX CER	4A	EPROM BG-B	8C	74LS273
CP42	10 MF 25V AX TANT	5A	EPROM BG-C	9C	EPROM IO-G
CP43-CP45	.01 MF 50V AX CER	7A	74S161	10G	74LS273
CP46	10 MF 25V AX TANT	8A	74S04	11G	74LS273
CP47-CP49	.01 MF 50V AX CER			12G	74LS193
CP50	10 MF 25V AX TANT			1H	74LS138
CP51-CP53	.01 MF 50V AX CER	1B	74LS245	2H	74LS32
CP54	10 MF 25V AX TANT	2B	2KX8 RAM	3H	74LS161
CP55-CP58	.01 MF 50V AX CER	3B	74LS273	4H	74LS27
CP59	10 MF 25V AX TANT	4B	74LS86	5H	74LS10
CP60-CP62	.01 50V AX CER	5B	74LS153	6H	74LS08
CP63	10 MF 25V AX TANT	6B	74LS273	7H	7420
CP64-CP66	.01 50V AX CER	7B	74S04		
CP67	10 MF 25V AX TANT	8B	74LS74	1CS	A10R, A12B
CP68-CP76	.01 50V AX CER	9B	74LS74	1CS	B10R, B12B
CP77-CP78	10 MF 25V AX TANT	10B	H-T	1CS	4C
CP79-CP82	.01 MF 50V AX CER	11B	V-H	1CS	11B, 13B, 1F
CP83-CP86	470 MF 16V AX ELECT	12B	V-T	1CS	5G, 7G, 7C
R101	2K OHM 1/4W CRBN	13B	MISC	10C	
R102	1K OHM 1/4W CRBN	1C	74LS157	1CS	3A-6A, 9C
R103	510 OHM 1/4W CRBN	2C	74LS157	6C, 6D-11C	
R104	2K OHM 1/4W CRBN	3C	74LS157		
R105	1K OHM 1/4W CRBN	4C	74LS30	J1	FMD HDR .15
R106	510 OHM 1/4W CRBN	5C	74LS04		OMIT 15
R107	2K OHM 1/4W CRBN	6C	74LS32	J2	RND HDR .10
R108	1K OHM 1/4W CRBN	7C	74LS20		OMIT 3
R109	270 OHM 1/4W CRBN	8C	74LS08	J3-J7	FMD HDR .10
R110	100 OHM 1/4W CRBN	9C	82509		24 PIN RT A
R111	820 OHM 1/4W CRBN	10C	74LS04	J3-J7	FLEX PAC JU
R112, R114	10 OHM 1/4W CRBN	1D	74LS157		
R113	470 OHM 1/4W CRBN	2D	74LS273		
R115	1K OHM 1/4W CRBN	3D	74LS273		
R116, R118	10 OHM 1/4W CRBN	4D	74LS273		
R119	470 OHM 1/4W CRBN	5D	74LS273		
R120, R122	10 OHM 1/4W CRBN	6D	EPROM A		
R121	470 OHM 1/4W CRBN	7D	EPROM B		
R123	1K OHM 1/4W CRBN	8D	EPROM C		
R124, R126	560 OHM 1/4W CRBN	9D	EPROM D		
R125	1K OHM 1/4W CRBN	10D	EPROM E		
R127	4.7K OHM 1/4W CRBN	11D	EPROM F		
R128, R130					
R131, R132					
R133, R134					
R135, R136					
R137, R138					
R139, R140					
R141, R142					
R143, R144					
R145, R146					
R147, R148					
R149, R150					
R151, R152					
R153, R154					
R155, R156					
R157, R158					
R159, R160					
R161, R162					
R163, R164					



DESCRIPTION	QTY
33 PF	2
47 PF	10
100 PF	2
330 PF	1
390 PF	20
.01UF	66
1F	
10 UF	16
470 UF	4
10 OHM 1/4W CRBN	6
33 OHM 1/4W CRBN	1
68 OHM 1/4W CRBN	5
82 OHM 1/4W CRBN	4
100 OHM 1/4W CRBN	1
270 OHM 1/4W CRBN	1
470 OHM 1/4W CRBN	3
510 OHM 1/4W CRBN	3
560 OHM 1/4W CRBN	1
820 OHM 1/4W CRBN	1
1K OHM 1/4W CRBN	24
2K OHM 1/4W CRBN	3
4.7K OHM 1/4W CRBN	1
8.2K OHM 1/4W CRBN	1
4.7K 10PIN	3
4.7K 6PIN SIP	1
74S04	3
74LS04	3
74LS08	4
74LS10	3
7420	1
74LS20	2
74LS27	2
7430	1
74LS30	4
74LS32	2
74LS74	2
74LS86	1
74LS138	1
74LS139	1
74LS153	3
74LS157	10
74LS161	1
74LS161	7
74LS174	1
74LS175	1
74LS244	2
74LS245	3
74LS273	9

CROSS REFERENCE LIST

DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
C103,C139	0986-00800-0300	74LS367	1	3G	0986-00803-2200
C127-C136	0986-00800-2800	Z80B	1	4G	0304-00803-0066
C107,C137	0986-00800-1000	Z80BCTC	1	6G	0304-00803-0064
C138	0986-00800-1300	4017	1	2G	0986-00803-8700
C105,C106,C109-C126	0986-00800-3000	4053	1	1G	0986-00803-2000
CP1-CP4,CP6,CP8-	0986-00800-2200	DATA RET RAM	1	5G	0304-00803-0079
CP10,CP12-CP17-		82509	1	9C	0986-00803-9600
CP19-CP23,CP25-		STAT RAM	1	7G	0986-00803-1008
CP33,CP35-CP37,		H-T	1	10B	0986-00803-8900
CP39-CP41,CP43-CP45,		V-T	1	12B	0986-00803-9000
CP47-CP49,CP51-		MISC V&H	1	11B	0986-00803-9100
CP53,CP55-CP58,CP60-		MISC CUSTOM	1	13B	0986-00803-9200
CP62,CP64-CP66,CP68-		NVR CONT	1	1F	0986-00804-3200
CP76,CP79-CP82		2K X 8 RAM	1	2B	0304-00803-0067
C104,C108	0986-00800-0200	EPROM-A	1	6D	0A27-00803-0001
CP5,CP7,CP11,CP18	0986-00800-3400	EPROM-B	1	7D	0A27-00803-0002
CP24,CP34,CP38,		EPROM-C	1	8D	0A27-00803-0003
CP42,CP46,CP50,		EPROM-D	1	9J	0A27-00803-0004
CP54,CP59,CP63,		EPROM-E	1	10J	0A27-00803-0005
CP67,CP77,CP78		EPROM-F	1	11D	0A27-00803-0006
CP83-CP86	0986-00800-3100	EPROM-BG-A	1	3A	0A27-00803-0007
R115,R116,R118,	100E-00005-0001	EPROM-BG-B	1	4A	0A27-00603-0008
R119,R121,R122		EPROM-BG-C	1	5A	0A27-00803-0009
R161	100E-00005-0002	EPROM-BG-D	1	6A	0A27-00803-0010
R153,R159,R160,	100E-00005-0029	EPROM-10 G	1	10G	0A27-00803-0011
R163,R164					
R156-R158,R162	100E-00005-0031	JUMPERS	6	JW1,JW2,JW11	0986-00804-4000
R113	100E-00005-0033			JW13,JW14,JW15	
R110,R112,R111	100E-00005-0044				
R117,R120,R123	100E-00005-0051	4148	1	0101	103E-00002-0005
R103,R106,R109	100E-00005-0053	1N5817	1	0102	103E-00003-0009
R125,R126	100E-00005-0054				
R114	100E-00005-0058	2N4123	1	01	104E-00001-0007
R102,R105,R108,	100E-00005-0061	2N4403	6	02-07	104E-00002-0012
R124,R127,R128,			1	08	104E-00002-0006
R129,R131,R132,					
R134-R138,R141,R142,		P.B. SWITCH	1	SW1	0986-00804-3100
R145,R147,R148,					
R150,R151,R155		FERRITE BEAD	30	FB1-FB30	0316-00804-0002
R101,R104,R107	100E-00005-0068				
R130	100E 00005-0079	20 MHZ ATAL OSC	1	OSC 1	0304-00804-0007
R154	100E-00005-0112				
RM1,RM2,RM4	102E-00004-0026	24 PIN SOCKET	4	1CS 2H,56,7G,10G	0986-00804-3400
FM3	102E-00004-0027	40 PIN SOCKET	1	1CS 4G	0986-00804-3500
RA,7B,15F	0986-00803-0400	8 PIN SOCKET	1	2CS 1A10B,1A12H	0986-00804-3600
5C,10C,3F,14F	0986-00803-1007	16 PIN SOCKET	2	1CS 1A10B,1B1C	0986-00804-3700
8C,6H,7F	0986-00803-1006	20 PIN SOCKET	3	1CS 11B,13B,1F	0986-00804-3800
5H	0304-00803-0014	28 PIN SOCKET	12	1CS 3A-6A,9C,6G,6D-11D	0986-00804-3900
7H	0304-00803-0015				
7C,15F	0986-00803-9500	KK100 24 PIN	5	13-17	0986-00804-4700
14E,4H	0304-00803-0065	RT ANGLE			
13F	0304-00803-0016	FLEX PAC JUMPER	5	J1-J2	0986-00804-4800
8C	0986-00803-0600	FMD HDR .100C	1	12	300C-16366-0902
8B,9B	0986-00803-1005	OMIT 3	1	J1	300C-16300-0904
4B	0986-00803-1900	FMD HDR .156C	1		
8F,1H	0986-00803-1005	UNIT 15			
9E	0304-00803-0042				
1A,5B,12G	0986-00803-1000				
1C,2C,3C,1D,	0986-00803-9700				
10E,11E,12E,					
10F,11F,12F					
7A	0304-00803-0038				
1E,2E,3E,4E,5E,	0986-00803-1003				
6E,3H					
13E	0986-00803-9800				
7E	0304-00803-0025				
4F,5F	0986-00803-0800				
1B,6F,8G	0986-00803-0900				
1C,5B,6B,2B,9C					

[illegible]

