

## TABLE OF CONTENTS

	<b>PAGE(S)</b>
<b>SECTION I</b> <b>ASSEMBLIES AND MISCELLANEOUS PARTS . . . . .</b>	<b>1-46</b>
<b>SECTION II</b> <b>PRINTED CIRCUIT BOARDS . . . . .</b>	<b>47-64</b>
<b>SECTION III</b> <b>PLAYBOARD PARTS . . . . .</b>	<b>65-123</b>
<b>SECTION IV</b> <b>CABINET/LIGHTBOX PARTS . . . . .</b>	<b>125-128</b>
<b>SECTION V</b> <b>MODIFICATION KITS AND ADDENDUMS . . . . .</b>	<b>129-137</b>
<b>SECTION VI</b> <b>STAMPINGS/DECALS . . . . .</b>	<b>139-143</b>
<b>SECTION VII</b> <b>PARTS LIST/DESCRIPTIONS . . . . .</b>	<b>145-172</b>

## SYSTEM 80A OVERVIEW

The enhanced System 80 Program, System 80A, replaces System 80.

System 80A has improved bookkeeping and self test capabilities, permits the use of seven digit displays and allows for greater coin/credit combination flexibility. The control boards ROM memory chips, U2 and U3, have been reprogrammed for System 80A. They have also been socketed. In doing so, the control board can be used for either system by simply using the appropriate set of ROM memory chips.

## SYSTEM 80B OVERVIEW

System 80B contains three new circuit boards. These are the Alphanumeric Display, the Power Supply, and the Control Board Piggyback which is attached to the Control Board. The Alphanumeric Display takes the place of the Four and Seven Digit Displays used in System 80A games. The new Power Supply takes the place of the System 80A Power Supply. The Control Board Piggyback takes the place of ROMS (U2-U3) used in System 80A games.

Some of the new features of System 80B are:

- 1) Capability to display messages.
- 2) Enhanced bookkeeping and self-test.
- 3) Players can enter their initials if they achieve a high score.
- 4) Top five high scores are displayed in the attract mode.

**"WARNING:** This equipment generates, uses, and can radiate radio frequency energy and if not installed and 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."

# SECTION I

## ASSEMBLIES AND

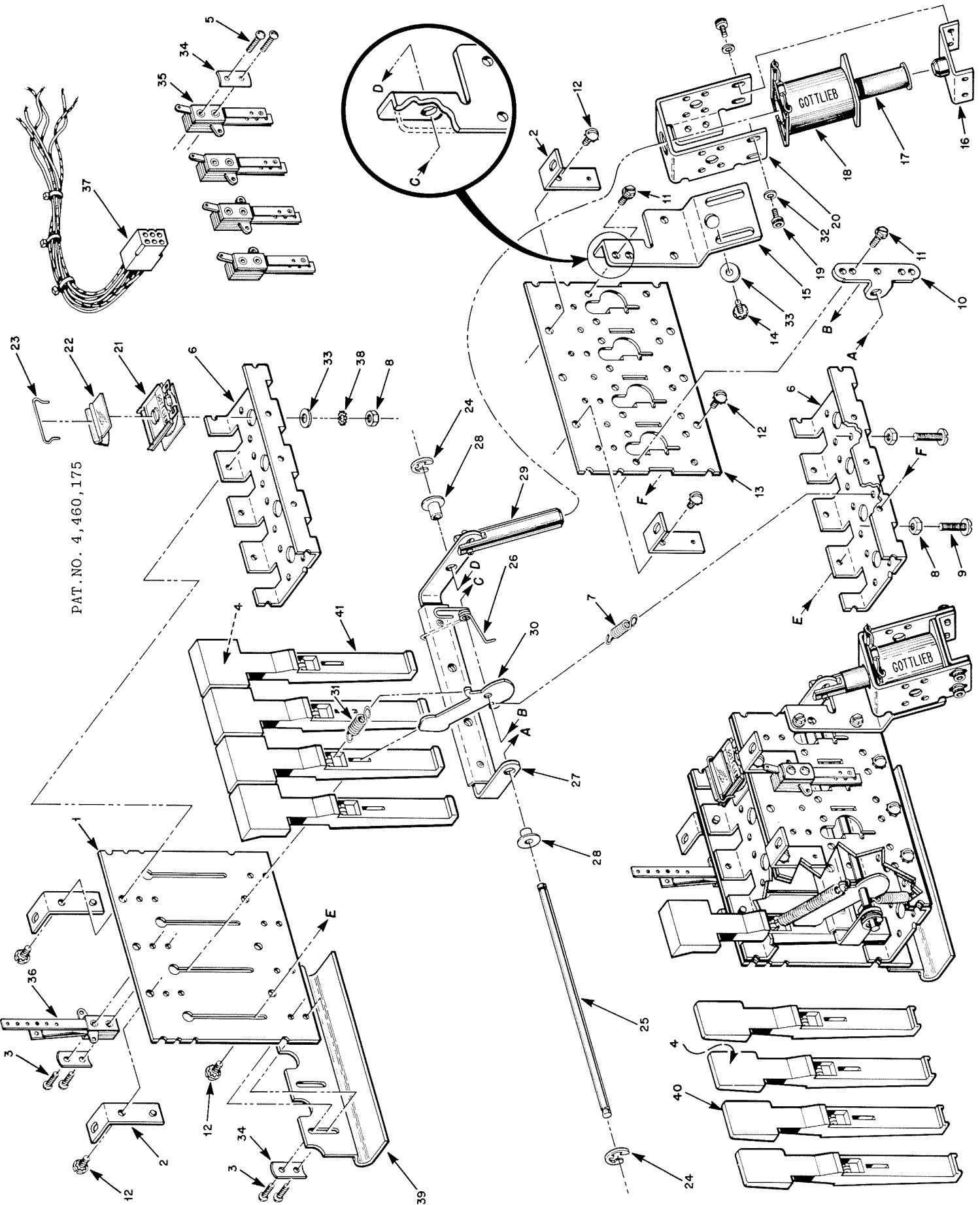
## MISCELLANEOUS PARTS

**Premier**  
Technology

### TABLE OF CONTENTS

	PAGE(S)
DROP TARGET PARTS . . . . .	2,3
POP BUMPER PARTS . . . . .	4
POP BUMPER SWITCHES . . . . .	5
FLIPPER PARTS . . . . .	6,7
VARI-TARGET PARTS . . . . .	8
BALL HOLE KICKER PARTS . . . . .	9
CONTACT KICKER PARTS . . . . .	10
BALL RETURN PARTS . . . . .	11
BALL GATE PARTS . . . . .	12,13
BALL SAVE PARTS . . . . .	14
KICKING TARGET ASSEMBLY . . . . .	15
TUBE KICKER PARTS . . . . .	16
VERTICAL UPKICKER PARTS, ROLLOVER TARGET PARTS . . . . .	17
STARGATE RAMP (SPIRIT) . . . . .	18
STARGATE RAMP (RAVEN) . . . . .	19
"PUCK" KICKER (ICE FEVER) (BALL "PUCK") . . . . .	20
"PUCK" KICKER (ICE FEVER) (DISC "PUCK") . . . . .	21
HELICOPTER ASSEMBLY (RAVEN) . . . . .	22
FIGURINE ASSEMBLY (GENESIS) . . . . .	23
ROLLUNDER PARTS . . . . .	24
ROLLOVER PARTS . . . . .	24,25
SWINGING TARGET PARTS, SPOT TARGET, SCORING SWITCHES . . . . .	26
BALL SHOOTER PARTS, PUSHBUTTON SWITCH PARTS . . . . .	27
BELL, KNOCKER AND TILT PARTS . . . . .	28
LOCKDOWN PARTS, BALL SHOOTER GAUGE . . . . .	29
PLAYBOARD PARTS . . . . .	30
LAMPS AND SOCKETS . . . . .	31
ON-OFF SWITCHES AND FUSES . . . . .	32
RUBBER RINGS . . . . .	33
COIL SLEEVES . . . . .	34
COIL CHART . . . . .	35
SWITCH PARTS . . . . .	36
SWITCH BLADES . . . . .	37
RELAY PARTS . . . . .	38
RELAY BLADES . . . . .	39
SOUND/SPEECH POWER SUPPLY, ARCH REBOUND ASSEMBLIES . . . . .	40
TOOLS . . . . .	41
ROLLOVER SWITCH REFERENCE . . . . .	42
COIN ACCEPTOR . . . . .	43,46

## DROP TARGET PARTS



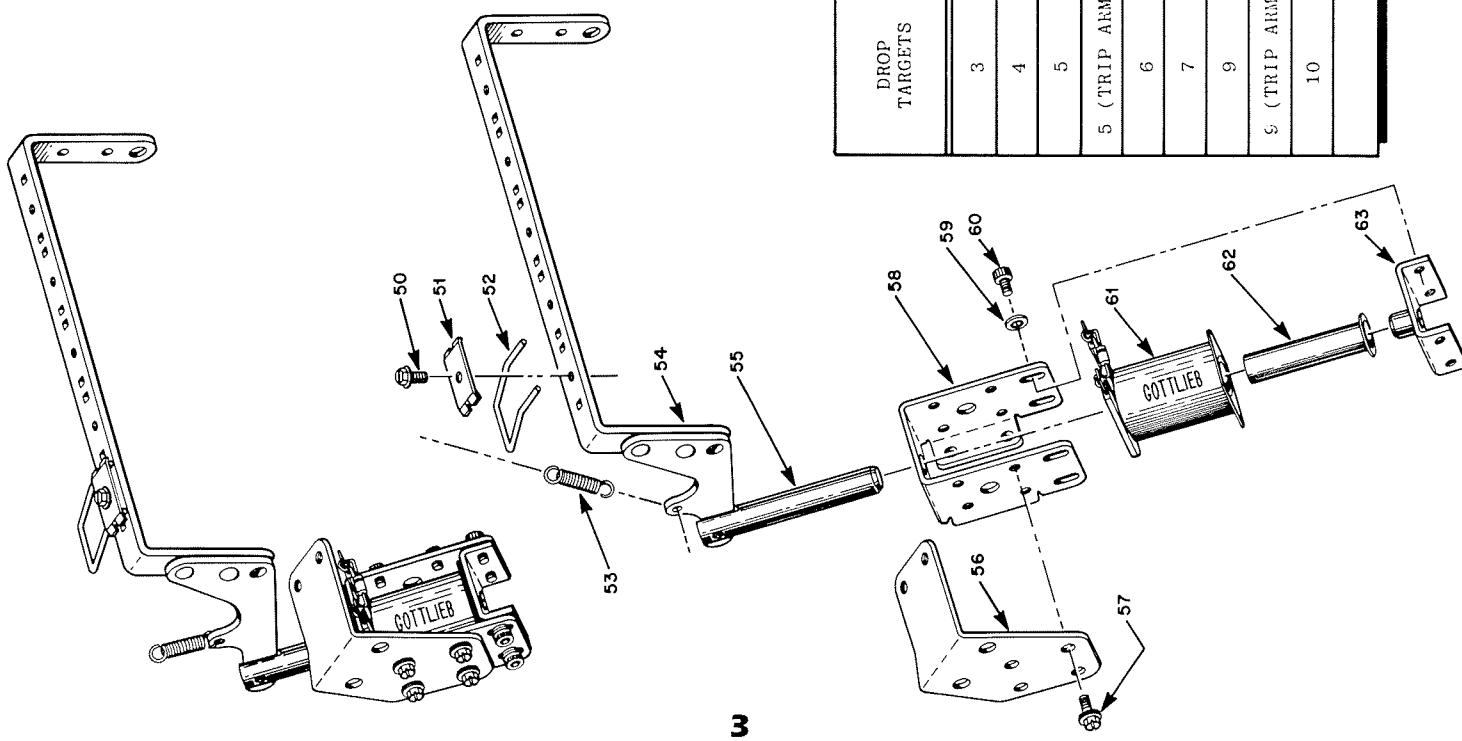
# DROP TARGET PARTS

**Premier**  
Technology

ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
1	Switch Plate	Refer to Chart	30	Trigger Spring	12181 18995
2	Mounting Plate	12180	31	Internal Lockwasher, #8	FA-635
3	RHMS, #5-40 x 3/4	FA-3	32	Washer, #8	FA-617
4	Decals	Specify Game	33	Switch Cover	FA-465
5	RHMS, #5-40 x 5/8	FA-2	34	Switch (s), (10 Point)	18096
6	Guide Plate	Refer to Chart	35	Cable Assembly	Specify Game
7	Spring	517	36	External Lockwasher, #8	FA-632
8	Hex Nut, #8-32	FA-652	37	Stop Bracket	20937
9	RHMS, #8-32 x 5/8	FA-75	38	Drop Target	Specify Game
10	Outboard Bearing Bracket	15696	39	Rollover Target	Specify Game
11	HWHMS, #8-32 x 3/8	FA-69	40		
12	RHMS, #8-32 x 1/4	FA-62	41		
13	Pivot Plate	Refer to Chart			
14	HWHMS, #8-32 x 5/16	FA-67			
15	Coil Setup Bracket	15505 (Shown) 15504 (Opposite)			
16	Coil Mount Bracket	17958	50	RHMS, #8-32 x 1/4	FA-62
17	Plastic Slip in Core 2 1/2"	5172	51	Clip, Wire Form	14895
18	Coil	Specify Game	52	Trip Arm Wire Form	15877
19	Socket Head, #8-32 x 1/4	FA-65	53	Spring	12178
20	Coil Housing	16194	54	Trip Arm (Left Side Shown)	Refer to Chart
21	Coil	19217	55	Drive Coil Plunger	262
22	Armature	18643	56	Bracket (Left Side Shown)	15880
23	Clip	18644	57	Bracket (Right Side)	15881
24	Retaining Ring	FA-681	58	RHMS, #8-32 x 1/4	FA-62
25	Shaft	Refer to Chart	59	Coil Housing	16192
26	Reset Arm Return Spring	13455	60	Internal Lockwasher, #8	FA-635
27	Reset Arm	Refer to Chart	61	Socket Head, #8-32 x 1/4	FA-65
28	Reset Arm Bearing	15687	62	Plastic Slip in Core 1-7/8"	14965
29	Drive Coil Plunger	262	63	Coil Mount Bracket	17957

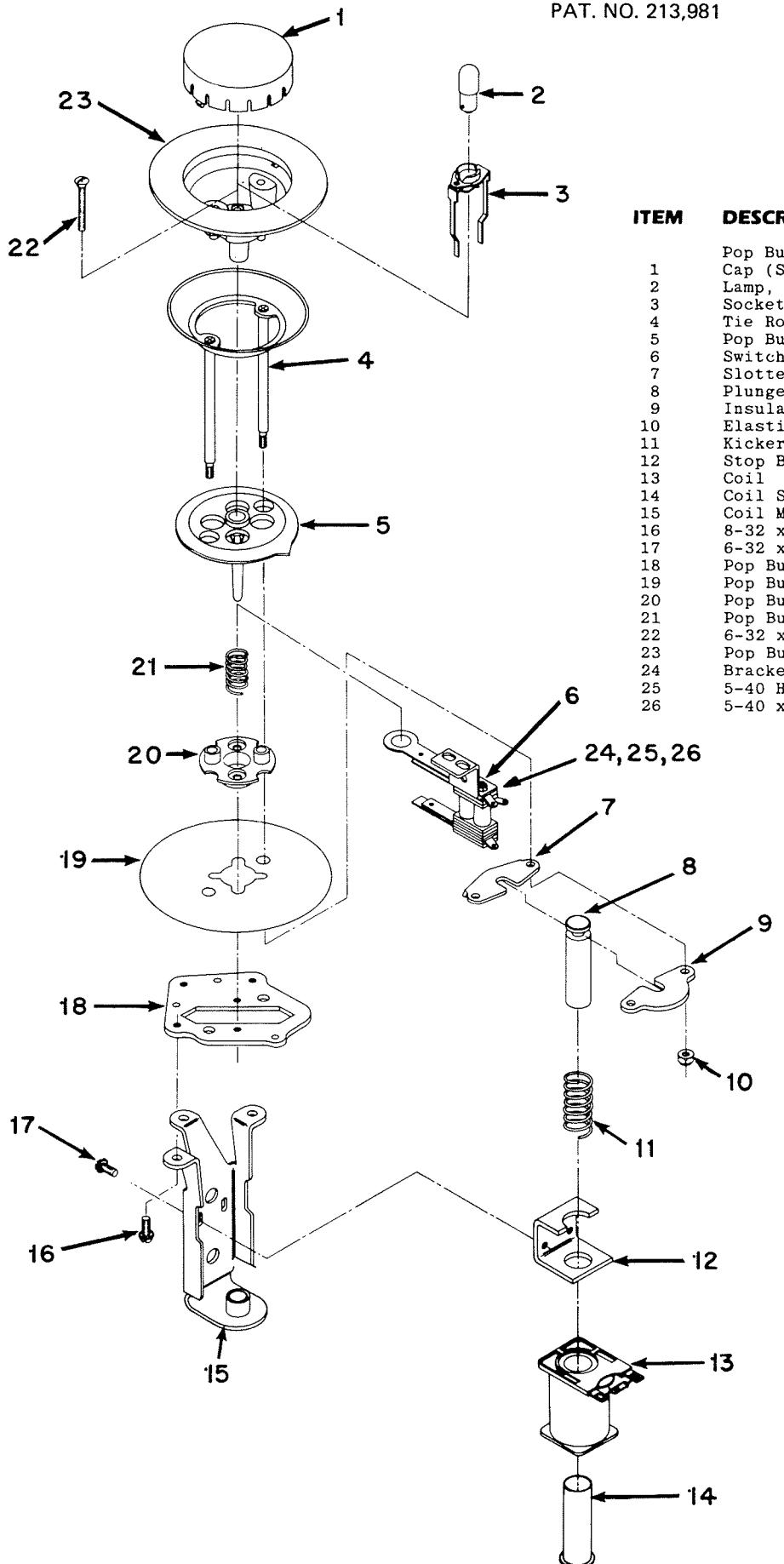
PARTS FOR DROP TARGETS WITH TRIP ARM	
1	ITEM 1
2	ITEM 6
3	ITEM 13
4	ITEM 25
5	ITEM 27
6	ITEM 54

ITEM	1	2	3	4	5	6	7	8	9	10
1	SWITCH PLATE	GUIDE PLATE	PIVOT PLATE	SHAFT	RESET ARM	TRIP ARM (LEFT)	TRIP ARM (RIGHT)			
2	3	20936	20934	20935	20938	20941				
3	4	13411	13413	13409	13402	15689				
4	5	13412	13414	13410	13403	15691				
5	5 (TRIP ARM)	13412	13414	13410	15878	15691	15883	15884		
6	6	17938	17937	17939	17932	17936				
7	7	14531	14532	14530	14527	15693				
8	8 (TRIP ARM)	15621	15622	15620	16406	15619	16404	16405		
9	9	15621	15622	15620	15617	15619				
10	10	12187	12188	12186	12179	15503				



## POP BUMPER PARTS

PAT. NO. 213,981

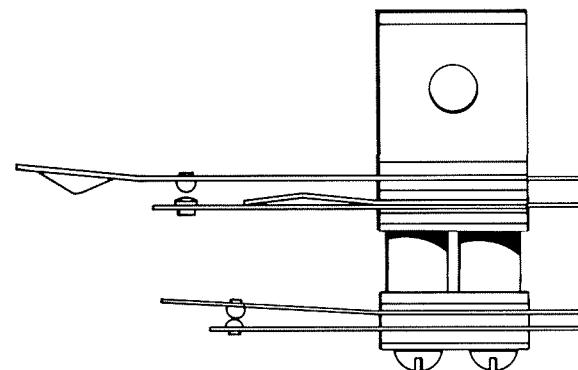


ITEM	DESCRIPTION	PART NO.
1	Pop Bumper Assembly Cap (Specify Color)	Specify Game
2	Lamp, #41	10434
3	Socket	LA-0
4	Tie Rods and Ring	PS-0
5	Pop Bumper Skirt (Specify Color)	16634
6	Switch Assembly	10433
7	Slotted Yoke	Specify Game
8	Plunger	12149
9	Insulating Yoke	2663
10	Elastic Stop Nut, 6-32	2662
11	Kicker Return Spring	FA-660
12	Stop Bracket	21643
13	Coil	8571
14	Coil Sleeve	Specify Game
15	Coil Mounting Bracket and Stop	5064
16	8-32 x 1/4 RHMS SEMS	17906
17	6-32 x 1/4 RHMS SEMS	FA-64
18	Pop Bumper Pad	FA-32
19	Pop Bumper Trim Platter	16632
20	Pop Bumper Base	16430
21	Pop Bumper Spring	8246
22	6-32 x 1-1/8 Oval HMS	10432
23	Pop Bumper Body (Specify Color)	FA-43
24	Bracket	10435
25	5-40 Hex Nut (2)	16647
26	5-40 x 1-1/2 RHMS (2)	FA-650
		FA-6

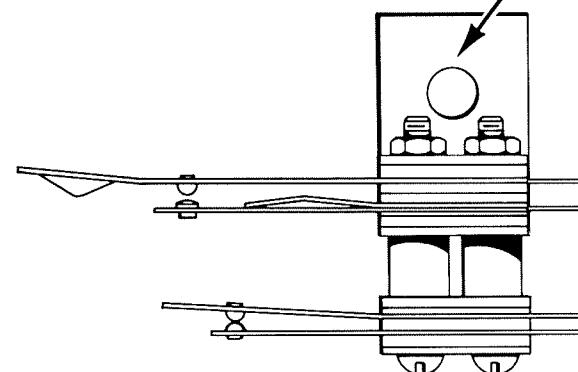
## POP BUMPER SWITCHES

Premier  
Technology

21352

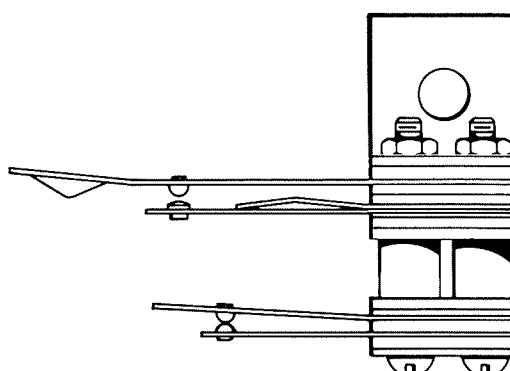


21353

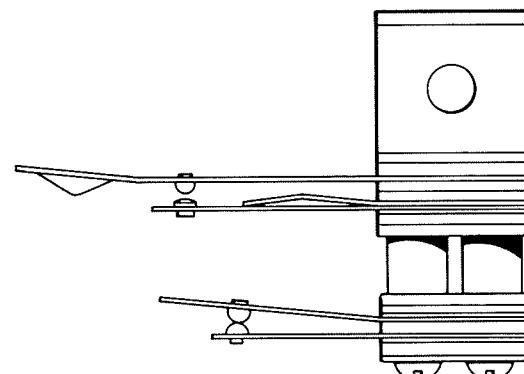


FA-650  
5-40 HEX HEAD (2)  
  
FA-6  
5-40 x 1-1/2" RHMS (2)  
  
16647  
BRACKET  
(TYPICAL)

21356

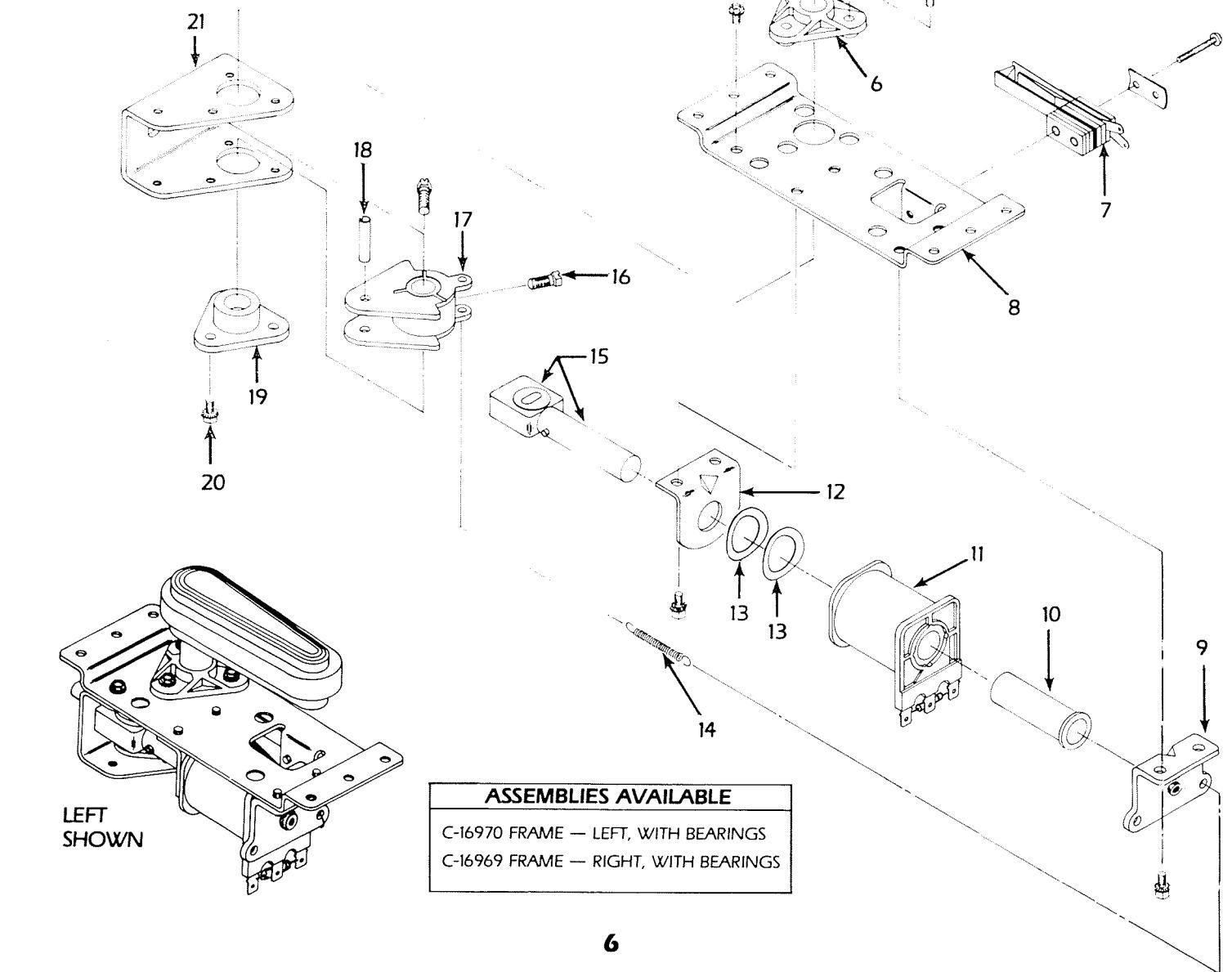


21359



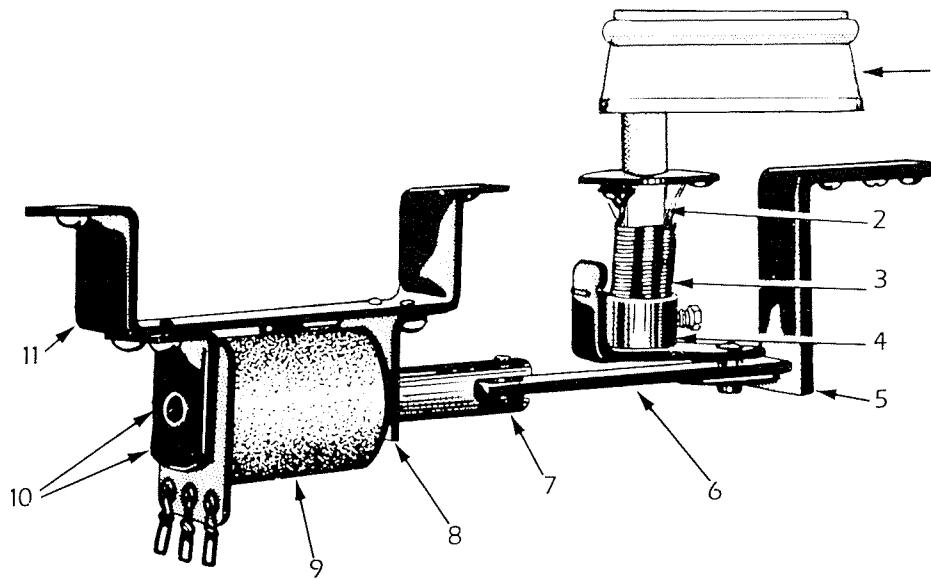
## FLIPPER PARTS

ITEM	DESCRIPTION	PART NO.
1	Flat Rubber Ring	13151
2	Jumbo Flipper	13150
3	Sub-Assembly Flipper Shaft	15531
4	6 x 1/2 PHSMS	FA-269
2, 3, 4	Sub-Assembly Composite	15989
5	8-32 x 3/8 HWHS SEMS	FA-69
6	Flipper Shaft Bearing Top	15529
7	Switch Assembly	Specify Game
8	Frame Flipper Unit (Left)	16355
	Frame Flipper Unit (Right)	16354
9	Coil Mounting Bracket and Stop	17908
10	Coil Sleeve	5064
11	Coil	Specify Game
12	Coil Mounting Bracket	16356
13	Spring Washer (2)	FA-605
14	Spring	779
15	Plunger and Tip Assembly	16360
16	10-32 x 3/8 Socket Head Cap Screw	FA-90
17	Flipper Lever and Screw	16361
15, 16, 17	Sub-Assembly Composite	16362
18	Roll Pin, 3/16 x 3/4	FA-690
19	Nylon Bearing	17565
20	8-32 x 1/4 HWHS SEMS	FA-64
21	Bearing Bracket	15528
25	6-32 x 1-1/8 Oval HMS	FA-43
26	Flat Rubber Ring	13149
27	Small Flipper	11241
28	Sub-Assembly Flipper Shaft	16981
25, 27, 28	Sub-Assembly Composite	21464



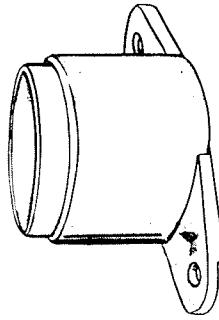
## FLIPPER PARTS

Premier  
Technology

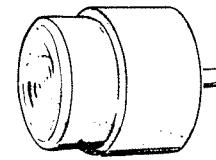


ITEM	DESCRIPTION	PART NO.
1.	Flipper	C-11241
2.	Rubber Ring	A-13149
3.	Bushing	A-2408
4.	Spring Left	A-3328
5.	Spring Right	A-3329
6.	Flipper Lever Arm Left	A-12051
7.	Flipper Lever Arm Right	A-12052
8.	Bracket	A-5024
9.	Flipper Link	A-12047
10.	Plunger	A-272
11.	Bracket	A-5147

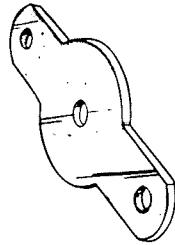
BUSHING  
C-13900



BUTTON  
SPECIFY COLOR  
B-16680



BACKING PLATE  
A-13898

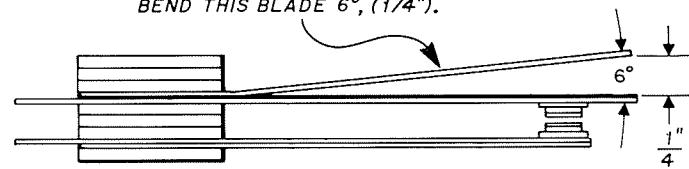


BUSHING  
(2 BUTTON)  
B-21018  
(NOT SHOWN)

BACKING PLATE  
(2 BUTTON)  
A-21017  
(NOT SHOWN)

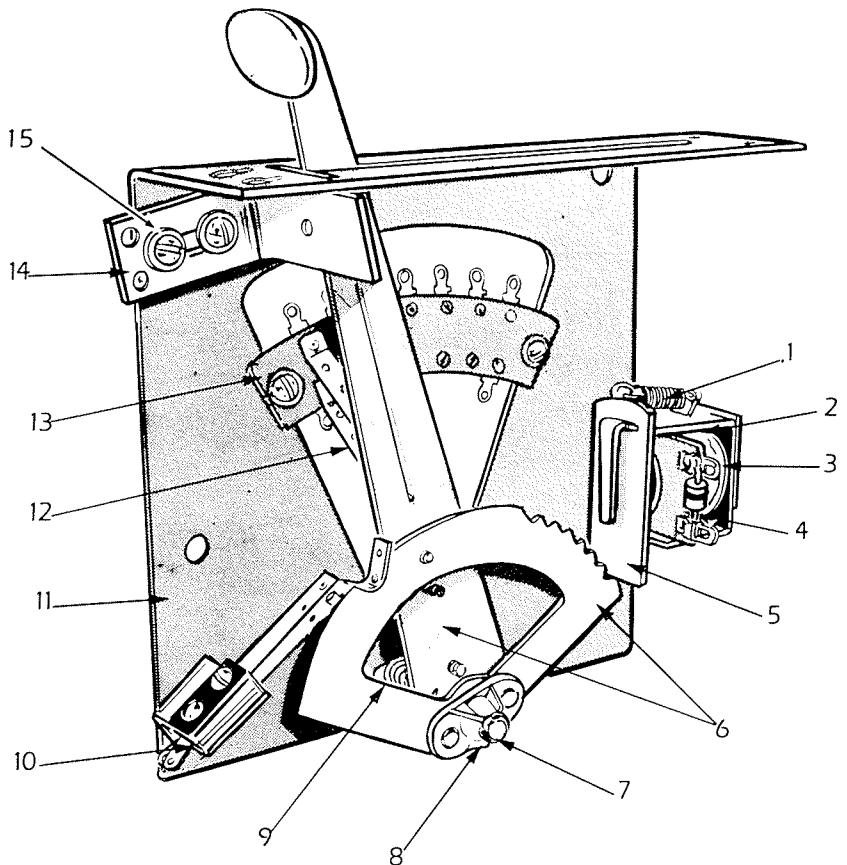
FLIPPER BUTTON SWITCH  
B-17838

NOTE:  
BEFORE INSTALLATION,  
BEND THIS BLADE 6°, (1/4").



## VARI-TARGET PARTS

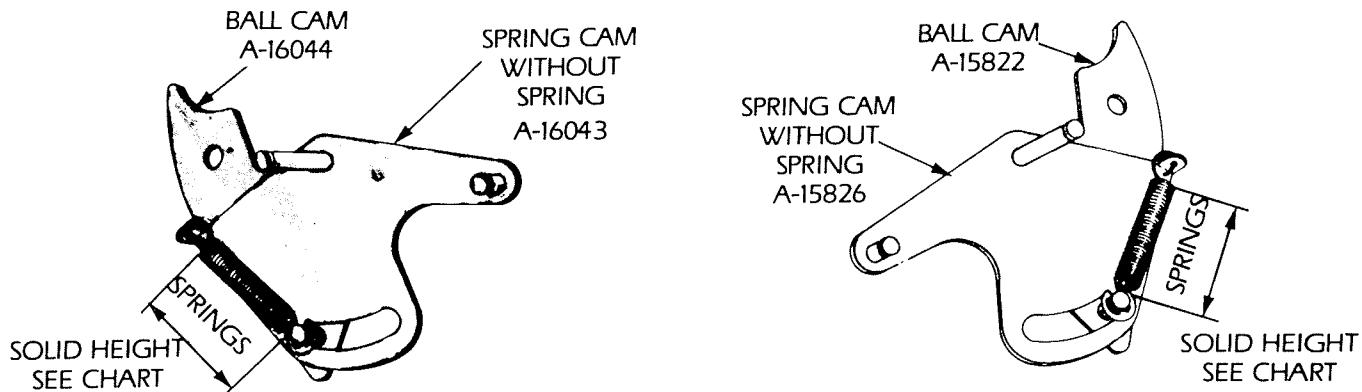
PAT. NO. 3,627,318



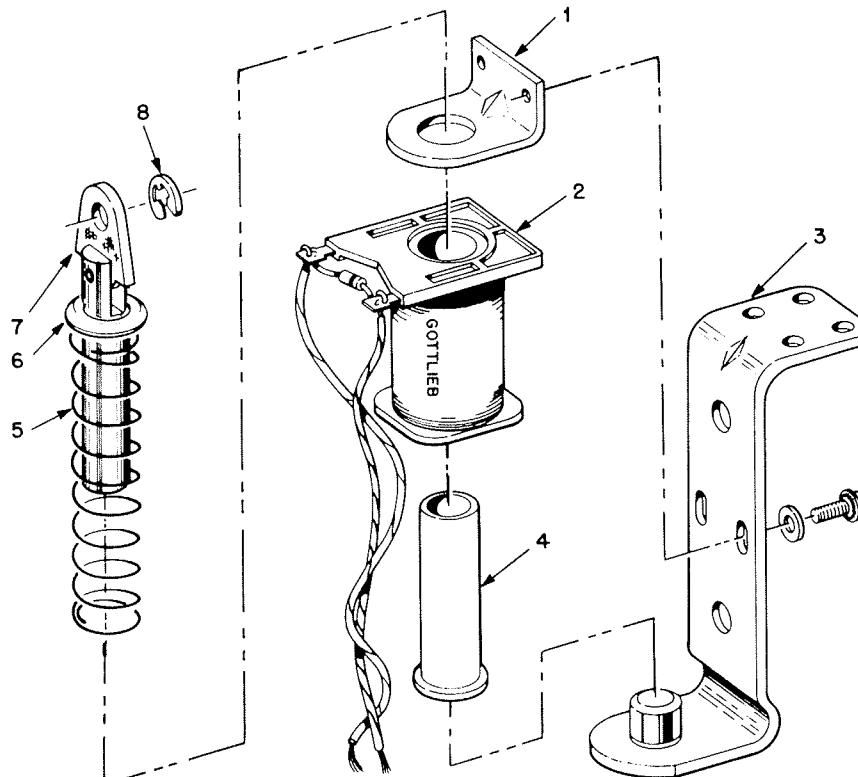
ITEM	DESCRIPTION	PART NO.
	Vari-Target Assembly	(SPECIFY GAME)
1.	Spring	A-574
2.	Housing	A-557
3.	Bracket	A-12146
4.	Coil	A-17564
5.	Armature	A-18284
6.	Target Arm and Cam	B-11535
7.	Shoulder Screw	A-11527
8.	Retaining Ring	FA-682
9.	Spring	A-12144
10.	Switch (NOT USED)	
11.	Frame	C-11536
12.	Switch	B-11538
13.	Disc	(SPECIFY GAME)
14.	Flipper Stop Bracket	A-5024
15.	6-32 x 5-16 RHMS SEMS(2) #6 WASHER (2)	FA-34 FA-615

## BALL HOLE KICKER PARTS

Premier  
Technology



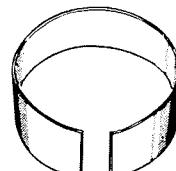
ASSEMBLY WITH FULCRUM	BALL CAM	SPRING CAM (NO SPRING)	SPRING	SPRING SOLID HEIGHT	ASSEMBLY WITH FULCRUM	BALL CAM	SPRING CAM (NO SPRING)	SPRING	SPRING SOLID HEIGHT
A-16045	A-16044	A-16043	A-9758	5/8"	A-15827	A-15822	A-15826	A-9758	5/8"
A-16085	A-16044	A-16043	A-8727	7/8"	A-15828	A-15822	A-15826	A-15598	11/16"
A-16086	A-16044	A-16043	A-15598	11/16"	A-16083	A-15822	A-15826	A-8727	7/8"



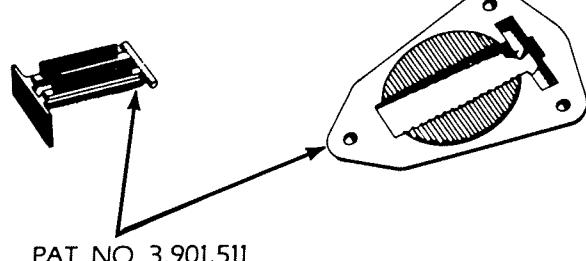
### ITEM DESCRIPTION

ITEM	DESCRIPTION	PART NO.
1	Mounting Bracket	15409
2	Coil with Diode	Specify Game
3	Coil Stop and Mtg. Bracket	20597
4	Coil Sleeve	5064
5	Spring	1636
6	Spring Retaining Washer	22233
7	Link and Plunger Assy.	22234
8	E-Ring	FA-682

METAL HOLE LINER  
A-11151

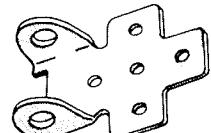


HOLE SWITCH ARM  
C-15708  
SPECIFY COLOR



HOLE BASE PLATE  
C-15707  
SPECIFY COLOR

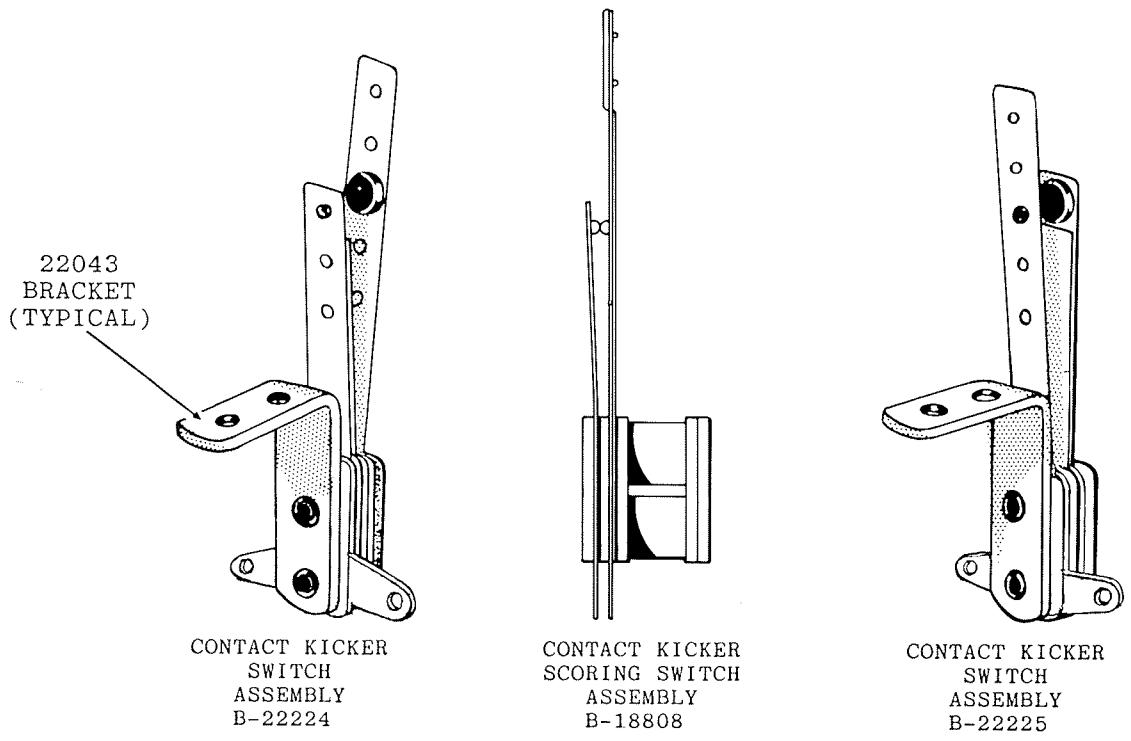
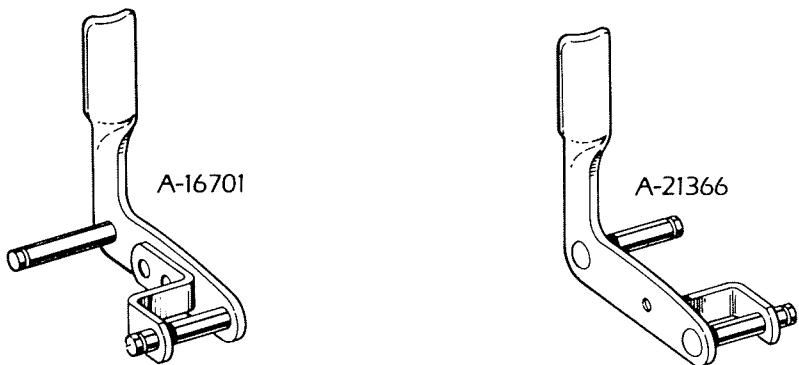
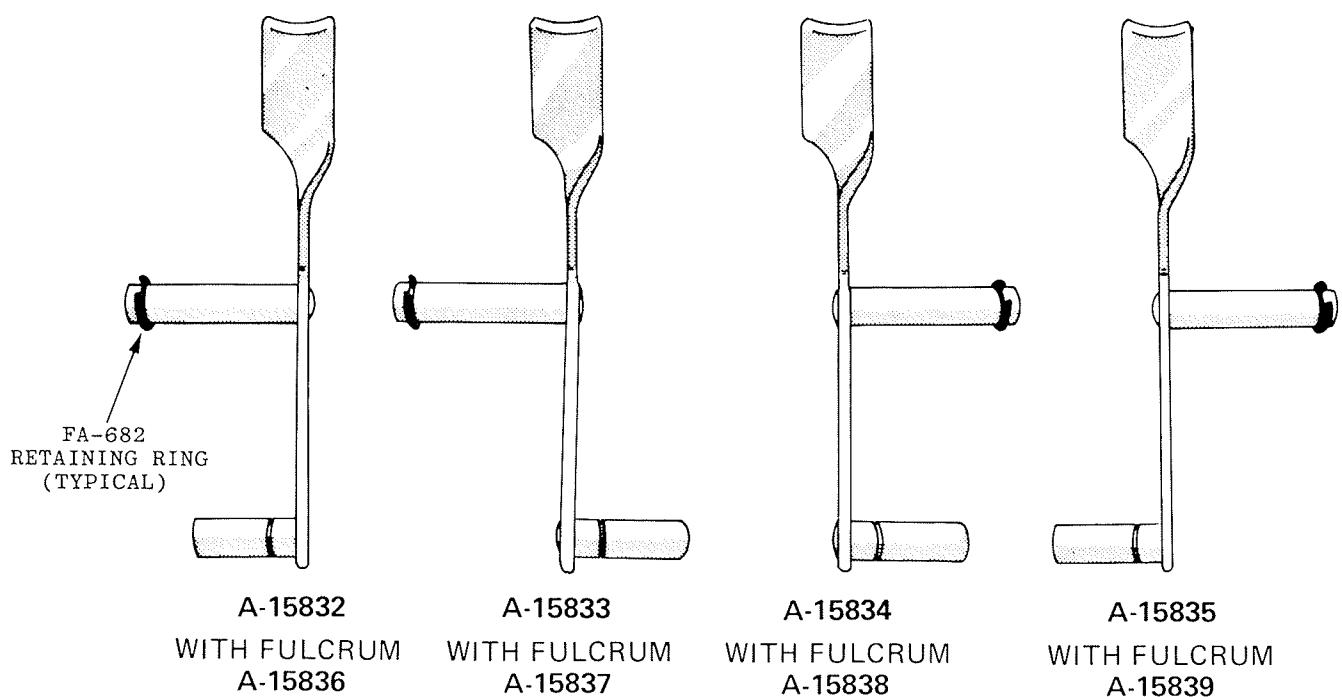
FULCRUM  
A-15819



PAT. NO. 3,901,511

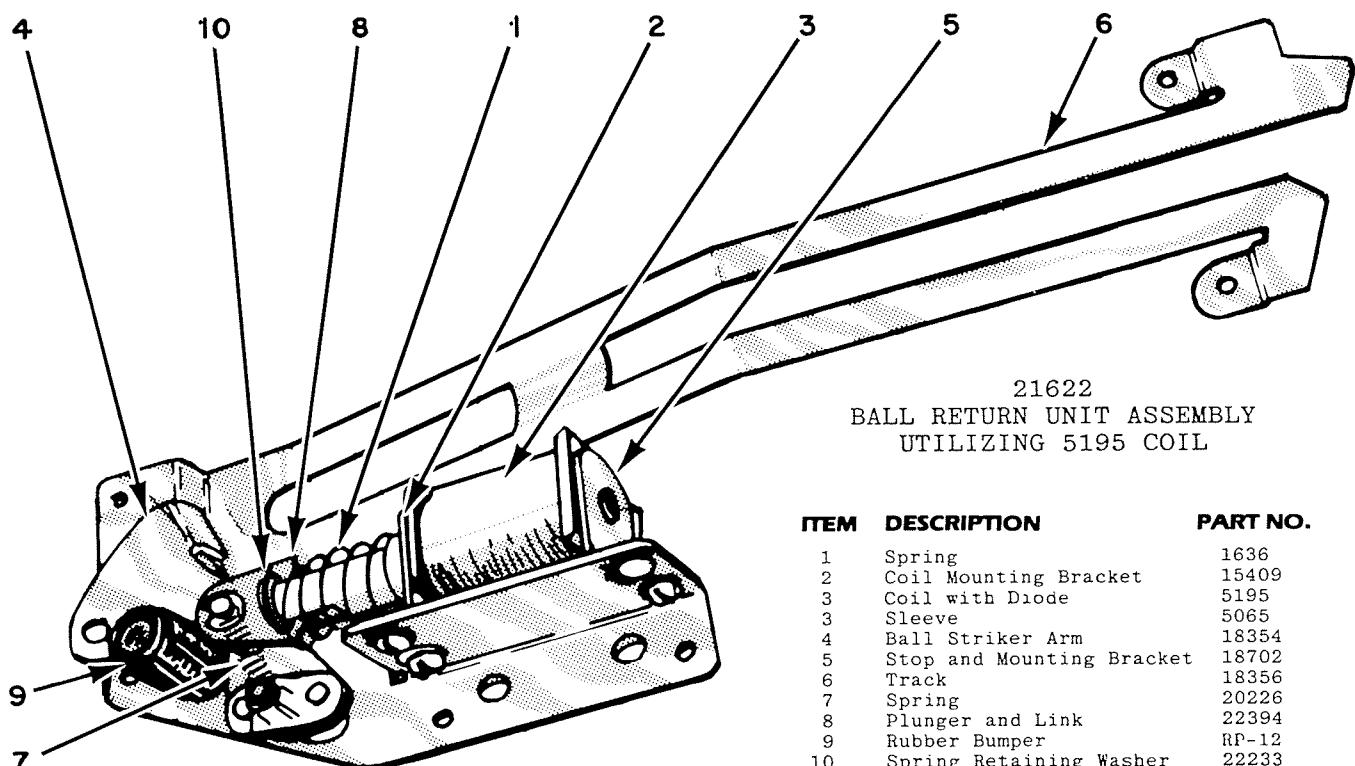
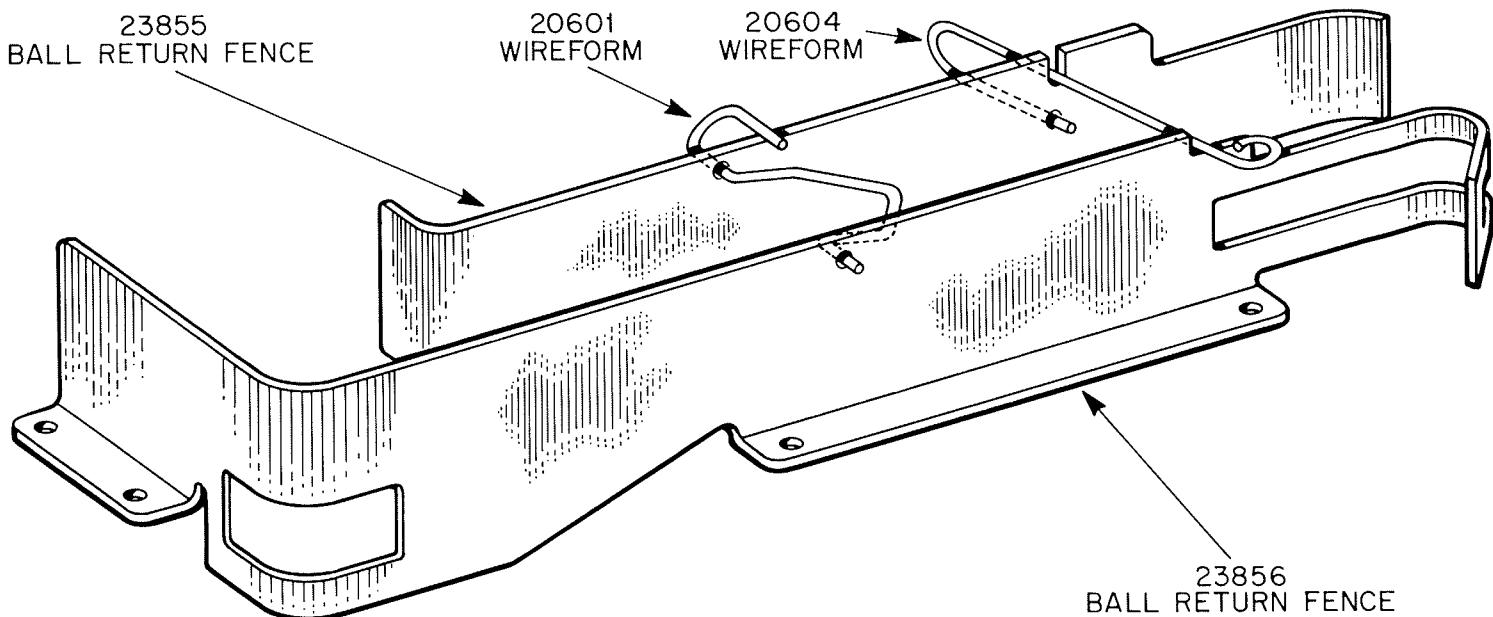
## CONTACT KICKER PARTS

### CONTACT KICKER ARMS

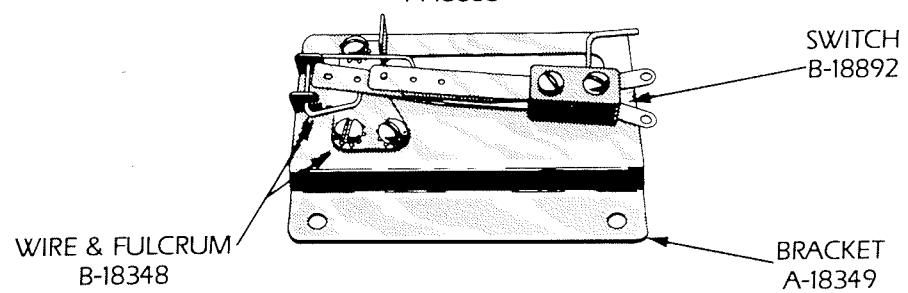


## BALL RETURN PARTS

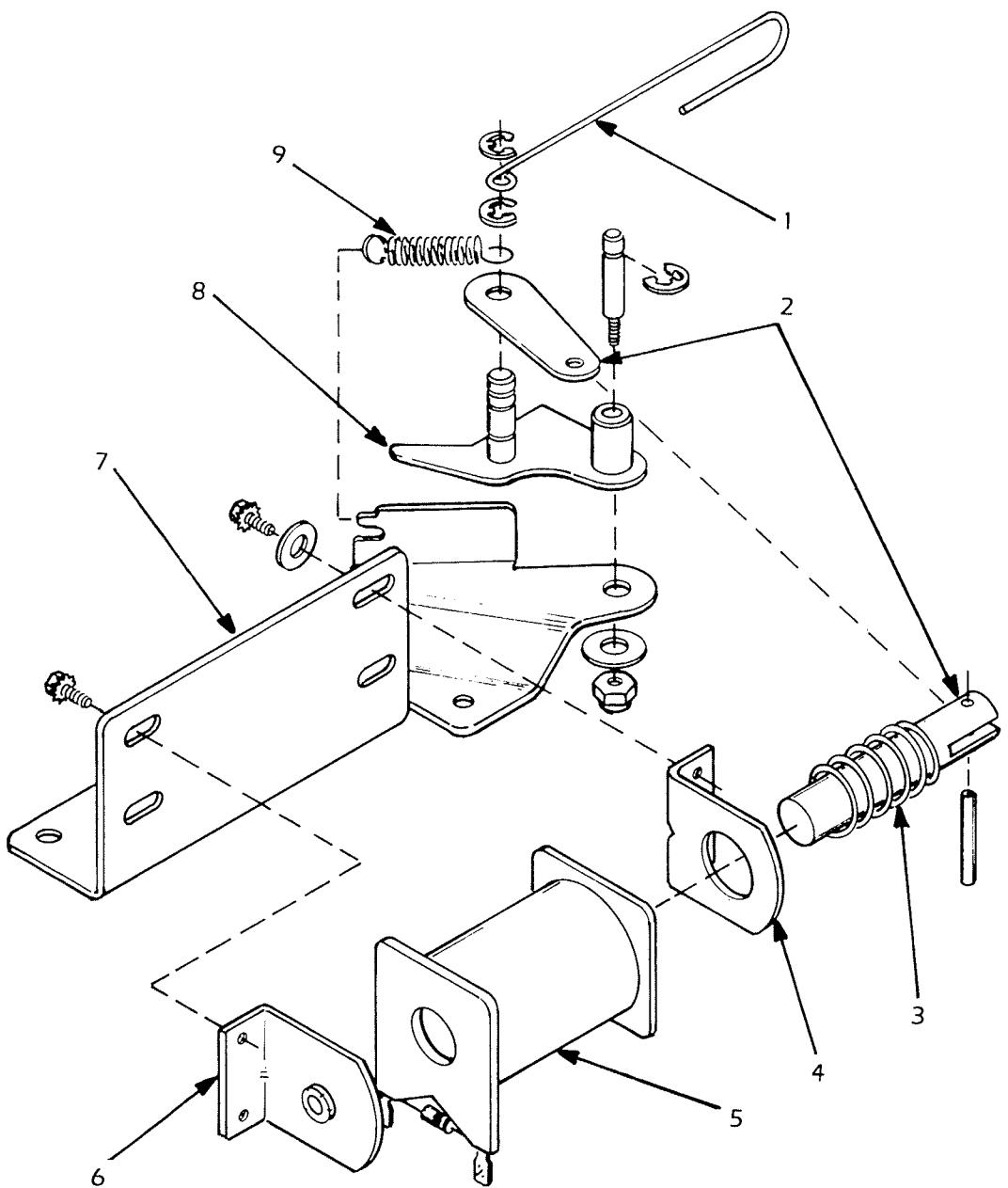
Premier  
Technology



SWITCH ASSEMBLY  
A-18688



## BALL GATE PARTS

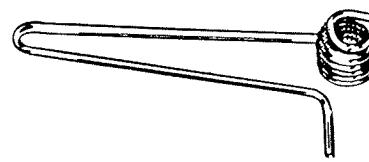


ITEM	DESCRIPTION	PART NO.
1.	Wire Form (Shown)	A-20604
2.	Link and Plunger Assy.	A-20293
3.	Spring	A-3232
4.	Coil Mounting Bracket	A-15409
5.	Coil	A-16570
6.	Sleeve	A-5065
7.	Coil and Stop Bracket	A-18702
8.	Gate Frame	C-20297
9.	Gate	A-20606
	Spring	A-20294

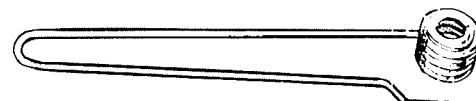
## BALL GATE PARTS

Premier  
Technology

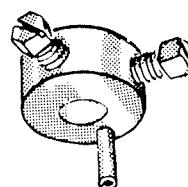
GATE  
A-13652



GATE  
A-14099



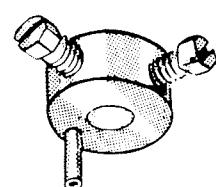
BUSHING  
A-13656



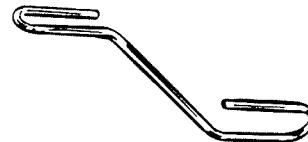
GATE  
A-21160



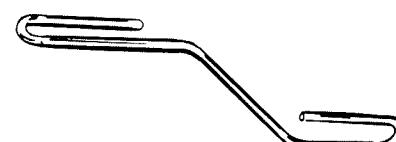
BUSHING  
A-14376



ARMATURE WIREFORM  
A-13653



ARMATURE WIREFORM  
A-14375



GATE  
A-21160

(PART NO. MAY  
VARY WITH GAME)

SHAFT  
A-13654

FRAME  
A-14170

BUSHING  
A-13656

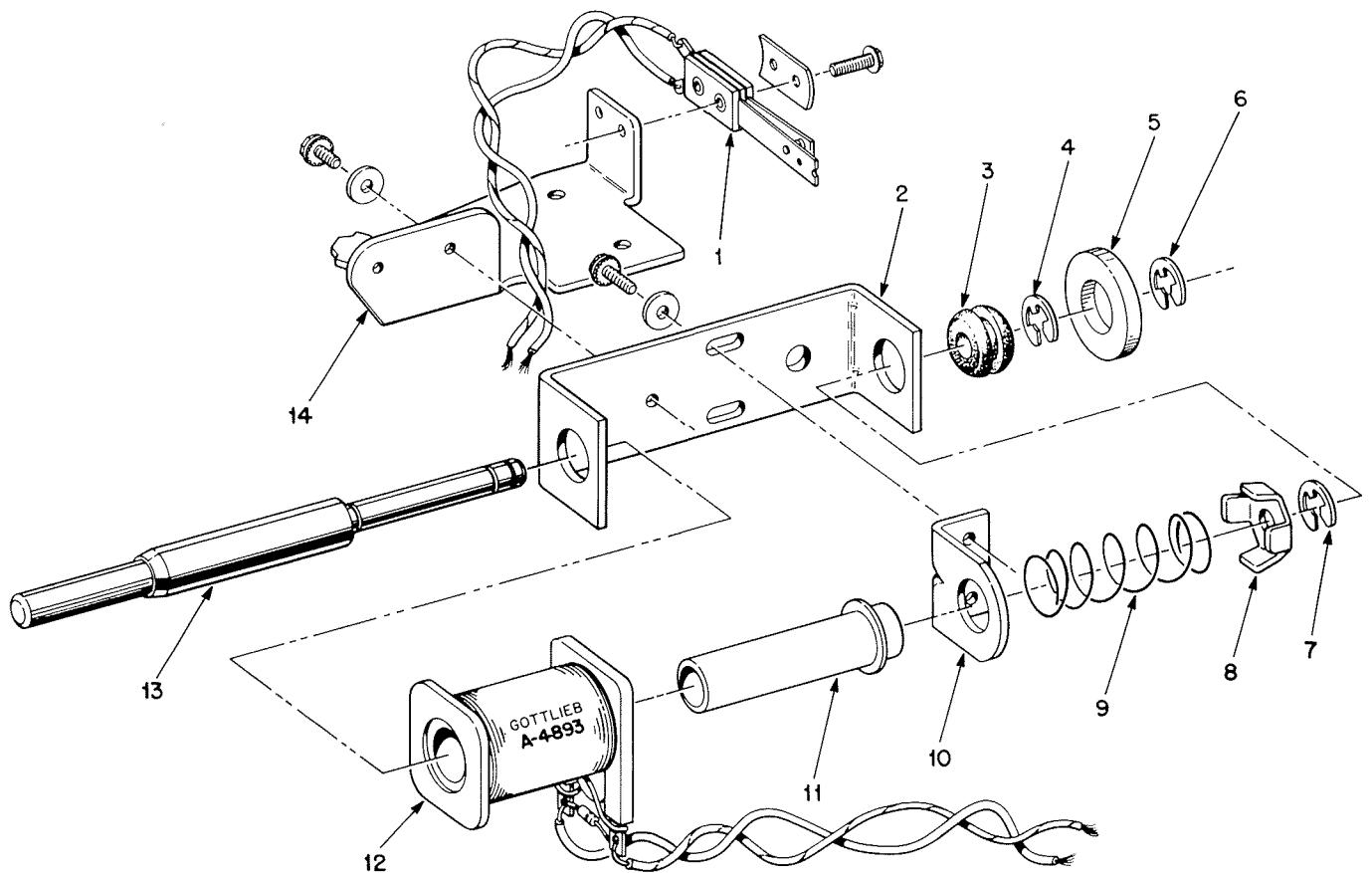
WIREFORM  
A-13653

ARMATURE  
A-13660

SPRING  
A-517

COIL

## BALL SAVE PARTS

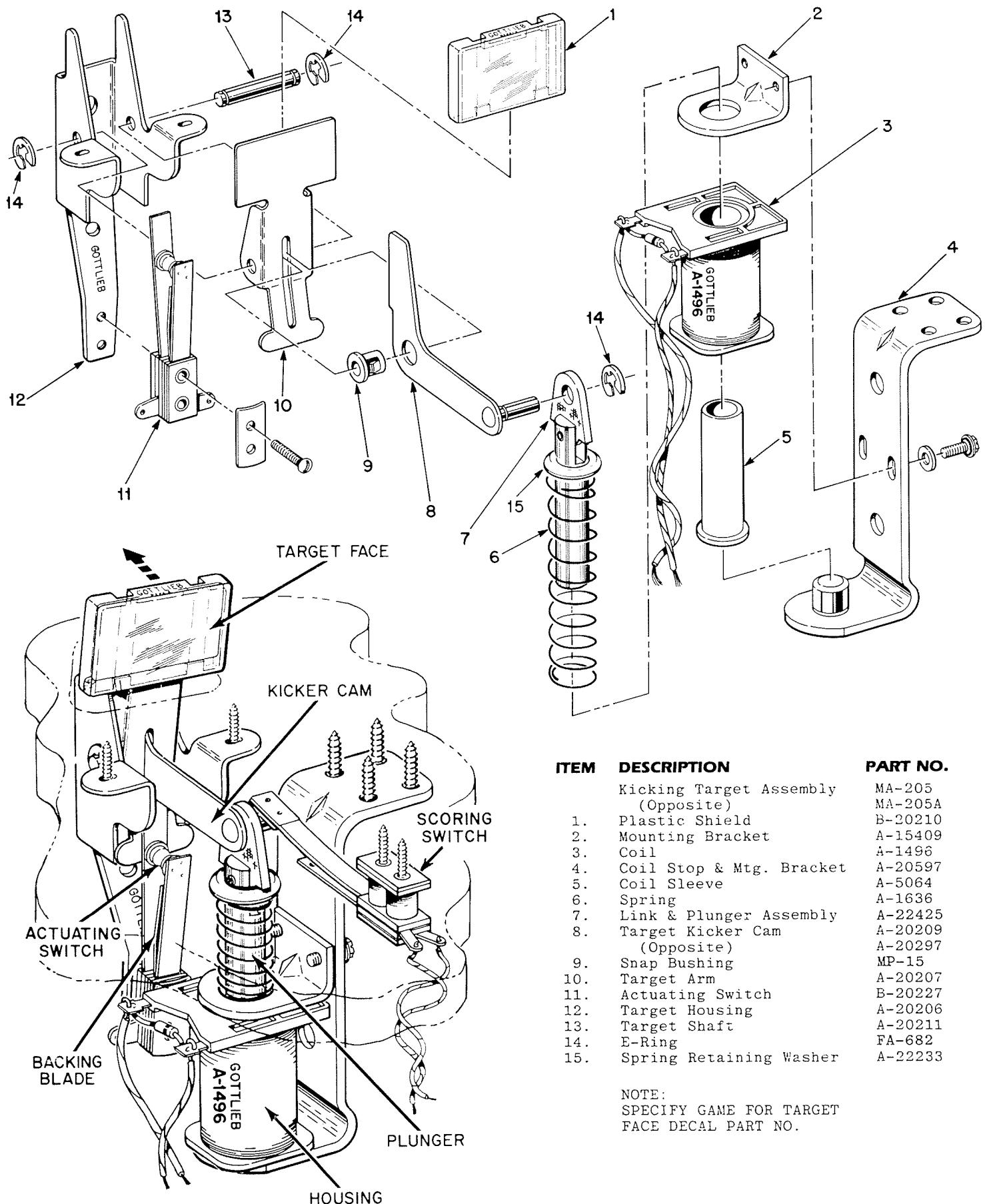


ITEM	DESCRIPTION	PART NO.
1.	Ball Save Assembly Switch Assy.	Specify Game B-21002
2.	Mounting Bracket	See Note
3.	Rubber Grommet	A-21000
4, 6, 7.	Retaining Ring	5133-25
5.	Nylon Washer	A-20999
8.	Stop Washer	A-2705
9.	Kicker Return Spring	A-590
10.	Coil Mounting Bracket	A-20559
11.	Sleeve	A-6087
12.	Coil	A-4893
13.	Coil Plunger	A-20998
14.	Mounting Bracket	See Note

NOTE:  
IN LATER VERSIONS, ITEMS 2 AND 14 HAVE  
BEEN REPLACED WITH PART NO. B-21854.

## KICKING TARGET ASSEMBLY

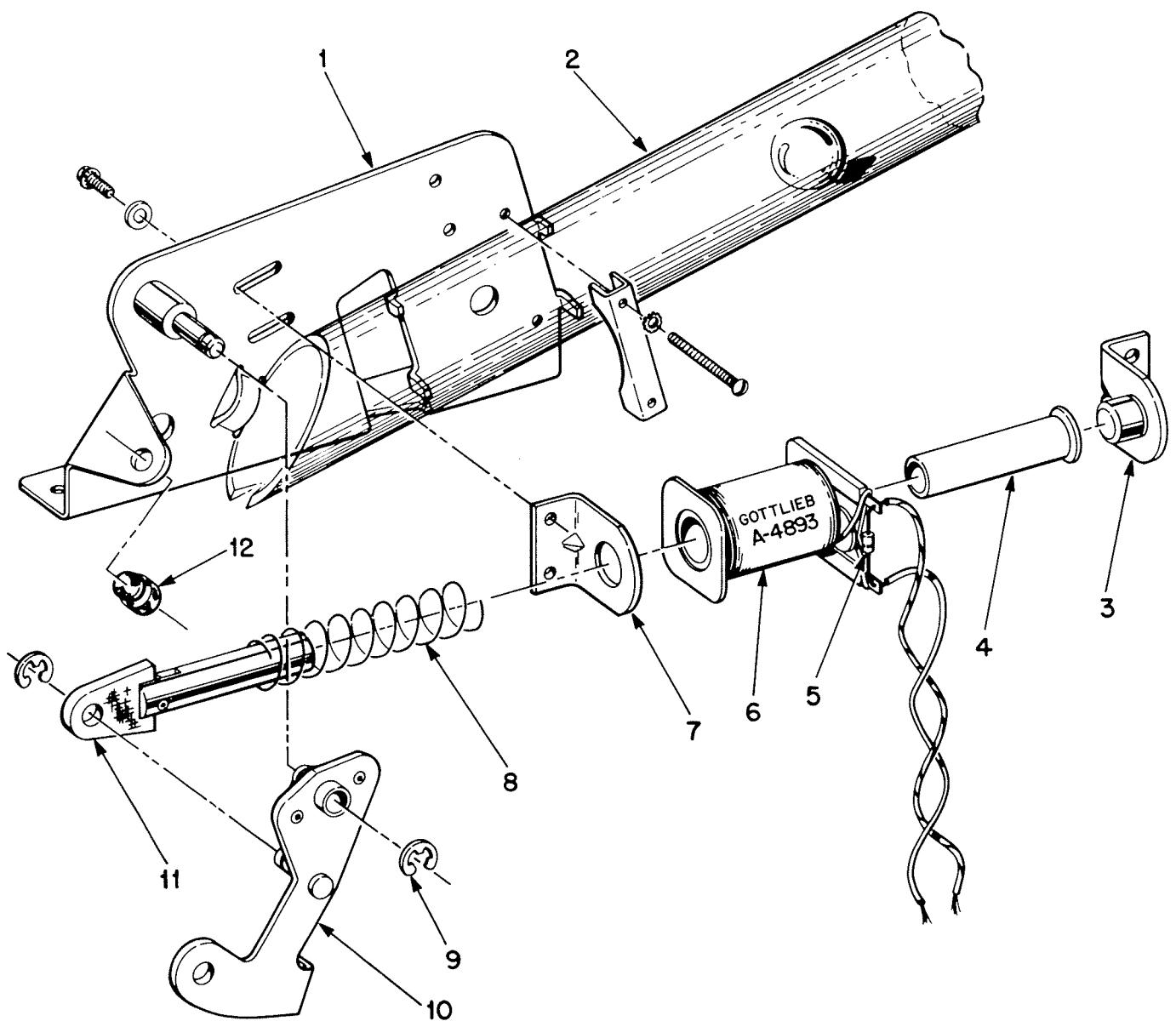
Premier  
Technology



ITEM	DESCRIPTION	PART NO.
	Kicking Target Assembly (Opposite)	MA-205 MA-205A
1.	Plastic Shield	B-20210
2.	Mounting Bracket	A-15409
3.	Coil	A-1496
4.	Coil Stop & Mtg. Bracket	A-20597
5.	Coil Sleeve	A-5064
6.	Spring	A-1636
7.	Link & Plunger Assembly	A-22425
8.	Target Kicker Cam (Opposite)	A-20209 A-20297
9.	Snap Bushing	MP-15
10.	Target Arm	A-20207
11.	Actuating Switch	B-20227
12.	Target Housing	A-20206
13.	Target Shaft	A-20211
14.	E-Ring	FA-682
15.	Spring Retaining Washer	A-22233

NOTE:  
SPECIFY GAME FOR TARGET FACE DECAL PART NO.

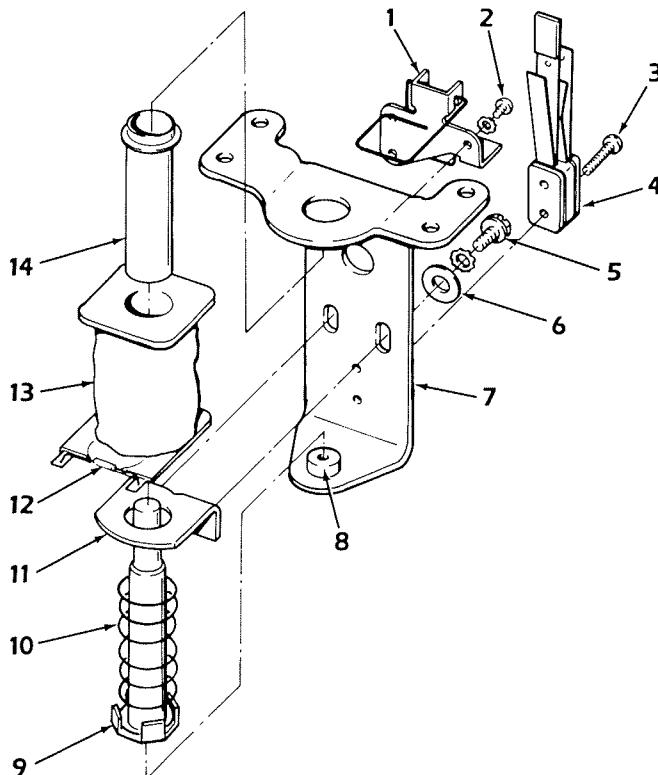
## TUBE KICKER PARTS



ITEM	DESCRIPTION	PART NO.
1.	Tube Kicker Assembly	Specify Game
2.	Sub-Assy. Frame and Shoulder Pin	B-21177
3.	Tube	B-21179
4.	Coil Stop and Mounting	A-18702
5.	Sleeve	A-5065
6.	Diode 1N 4004	XO-254
7.	Coil	A-4893
8.	Coil Mounting Bracket	A-15409
9.	Spring	A-1636
10.	Tru-Arc Retaining Ring	FA-682
	Ball Striker Arm	A-21174
11.	Link and Plunger	A-18686
12.	Rubber Grommet	#986

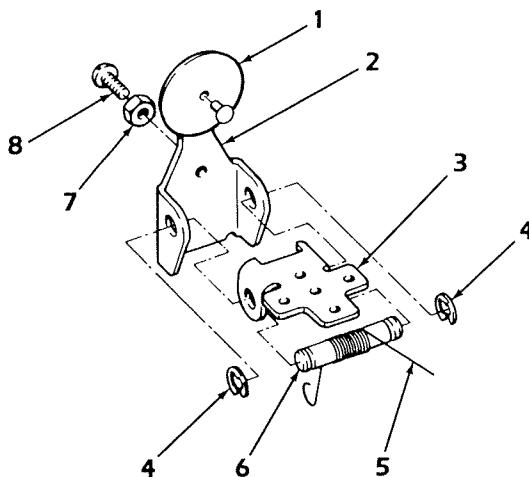
## VERTICAL UPKICKER PARTS

Premier  
Technology



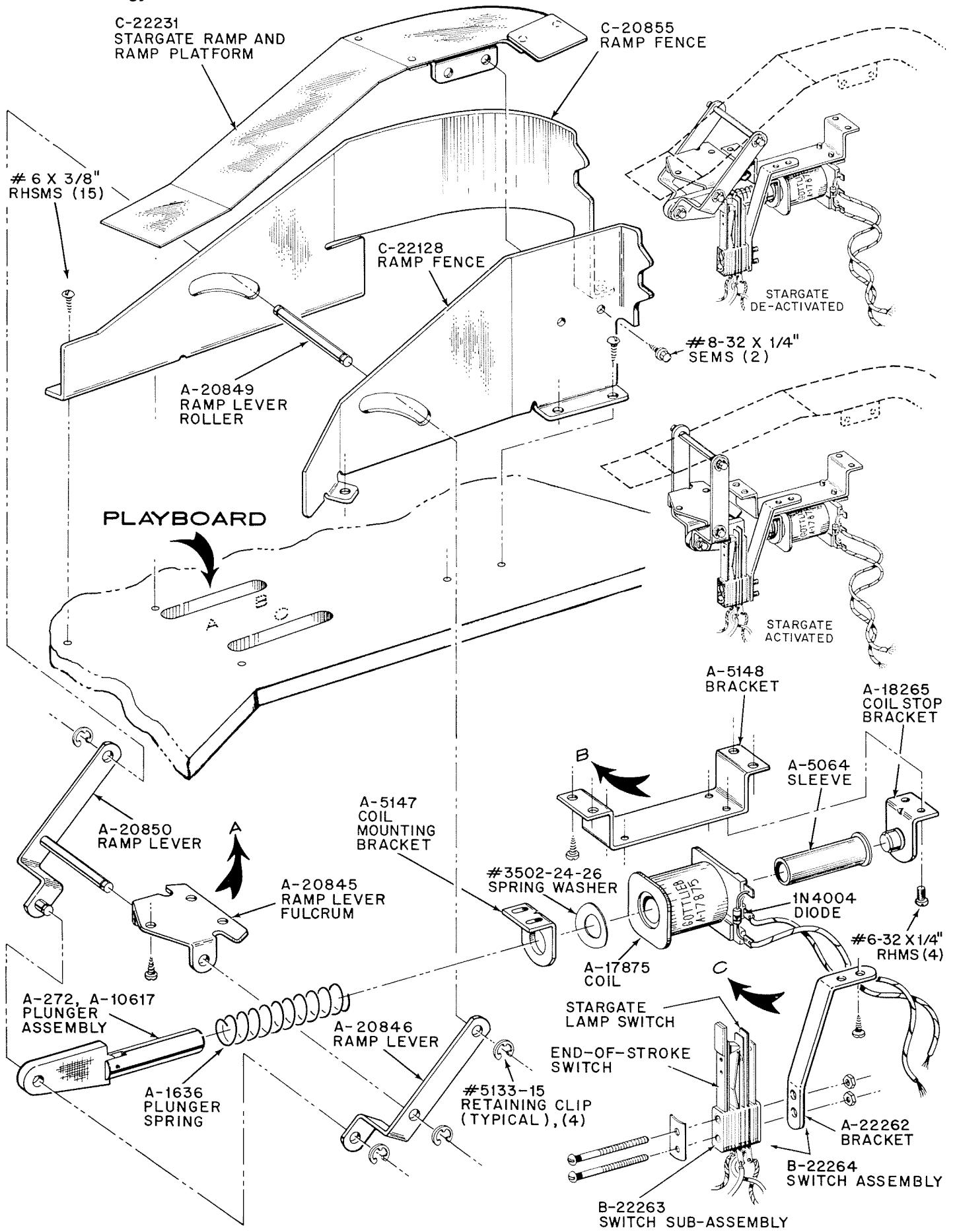
ITEM	DESCRIPTION	PART NO.
	Vertical Upkicker Assembly	Specify Game
1.	Wire Form and Bracket	A-21414
2.	Screw - RHMS 6-32 x 3/16" Lg. (3 ea.)	FA-30
3.	Screw - RHMS #5-40 x 5/8" Lg.	FA-2
4.	Switch	B-21415
5.	Slotted Hex - WHMS #8-32 x 5/16" Lg.	FA-67
6.	Standard Washer #8	
7.	Coil Mounting Bracket (Top Playboard)	FA-617
	Coil Mounting Bracket (5°) (Lower Playboard)	C-21416
8.	Rubber Grommet	C-21613
9.	Plunger	A-5240
10.	Spring	A-21412
11.	Coil Mounting Bracket	A-1942
12.	Diode - 1N4004	A-15409
13.	Coil	XO-254
14.	Sleeve	A-5194
		A-21411

## ROLLOVER TARGET PARTS

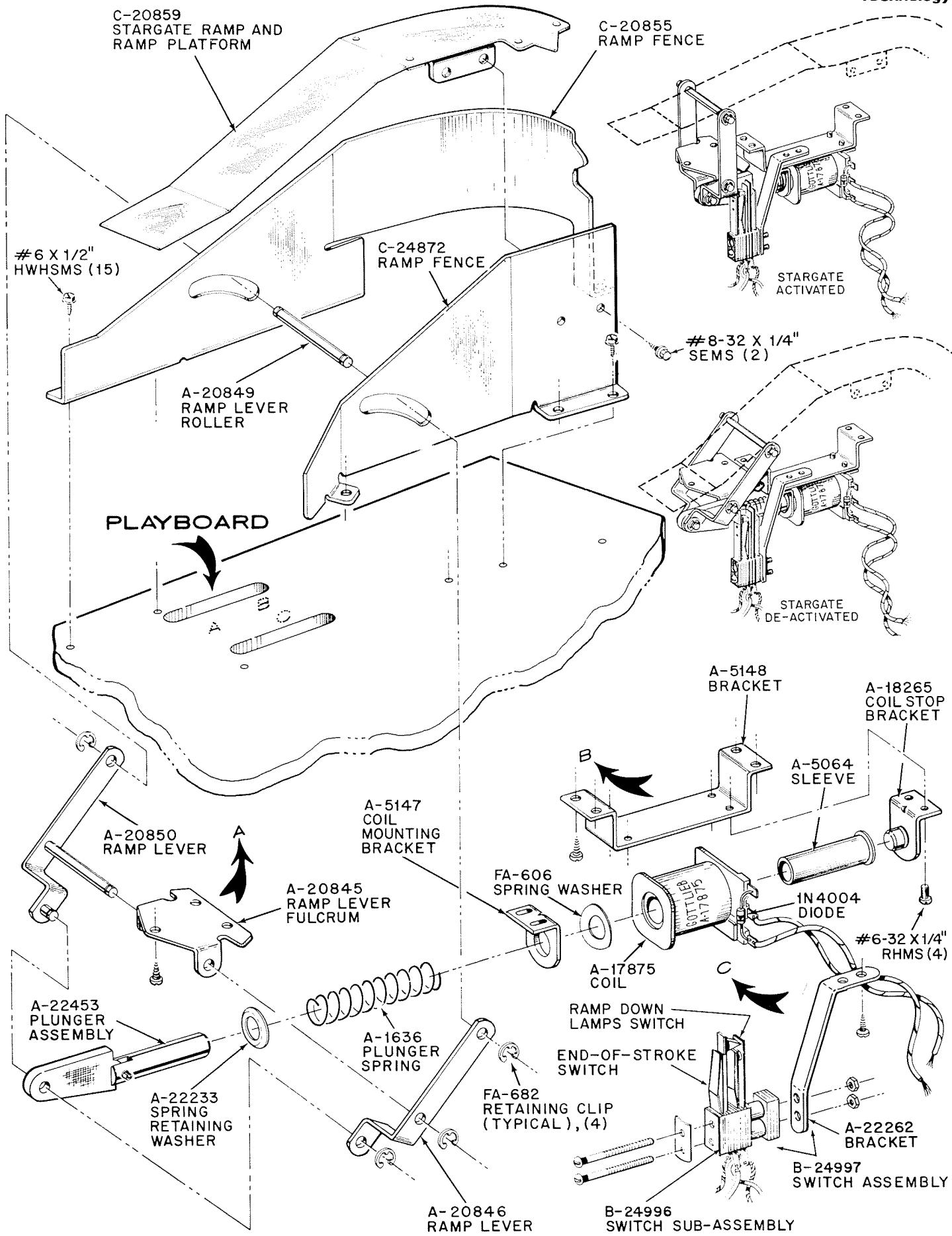


ITEM	DESCRIPTION	PART NO.
	Rollover Target Assembly	Specify Game
1.	Target Face	Specify Game
2.	Target Arm	A-21429
3.	Fulcrum	A-15819
4.	Tru-Arc Retaining Ring #5133-18	FA-682
5.	Spring	A-21430
6.	Shaft	A-21431
7.	Nut #8-32	FA-652
8.	Screw	FA-300

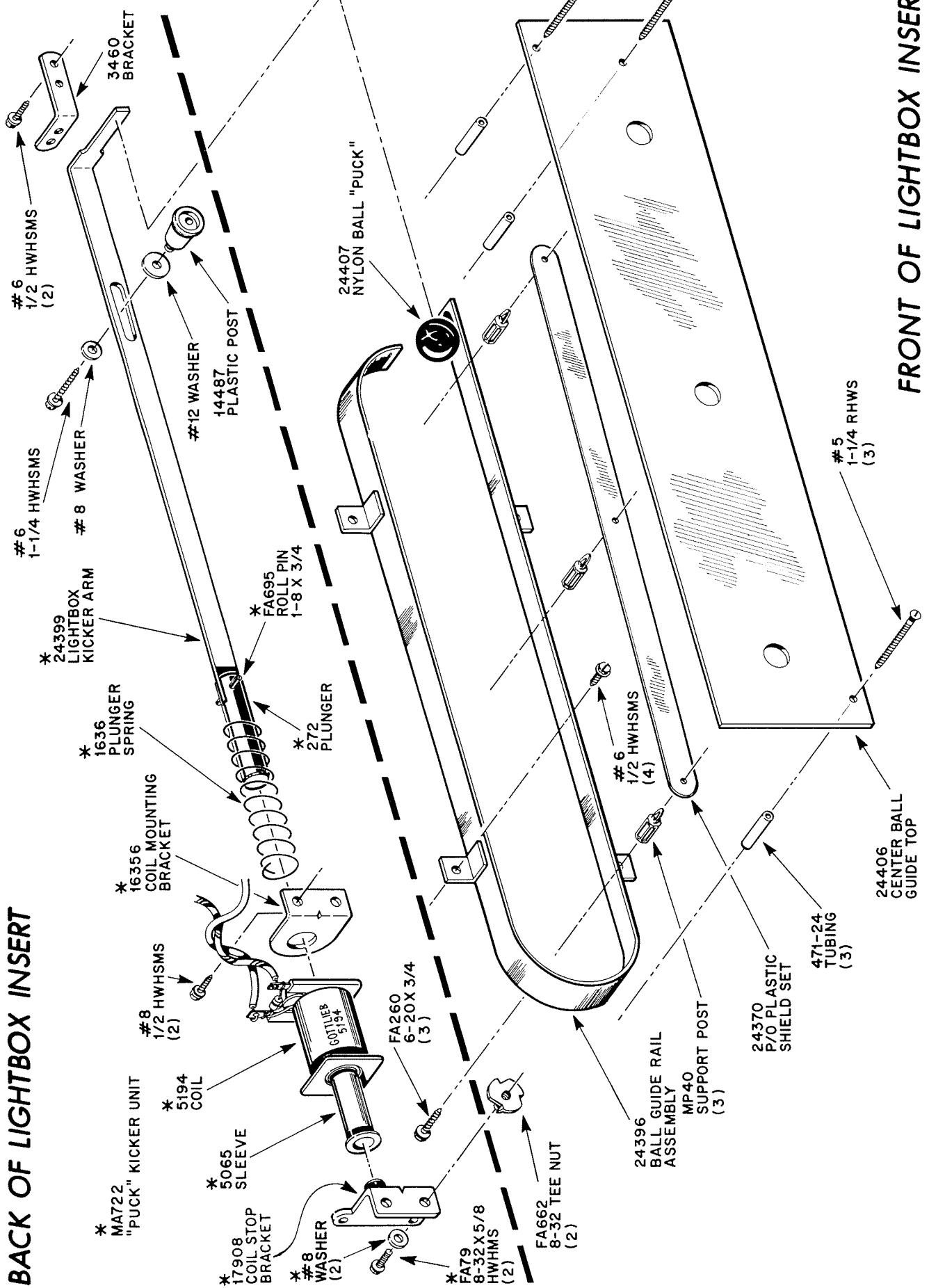
## STARGATE RAMP (SPIRIT)



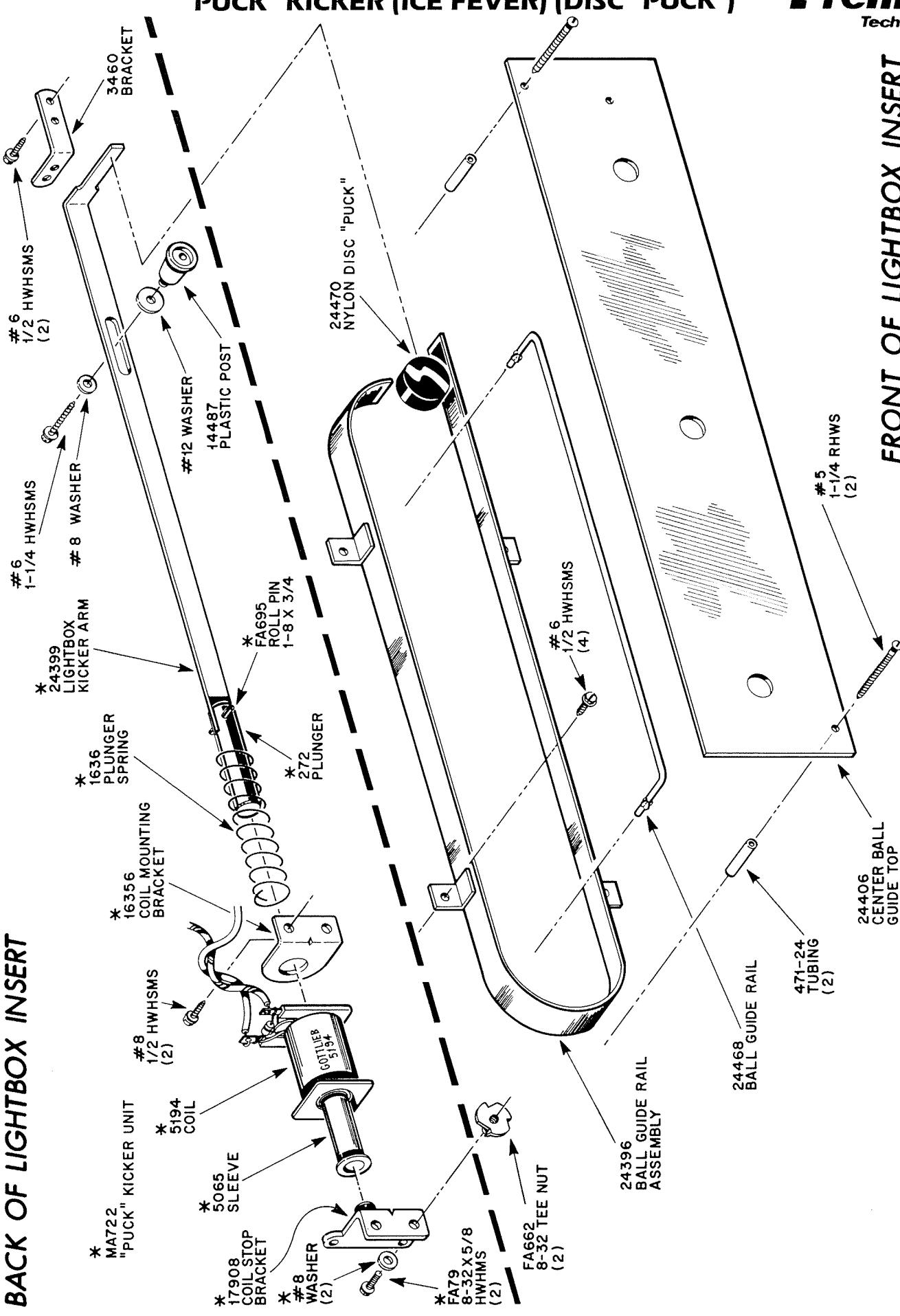
## STARGATE RAMP (RAVEN)



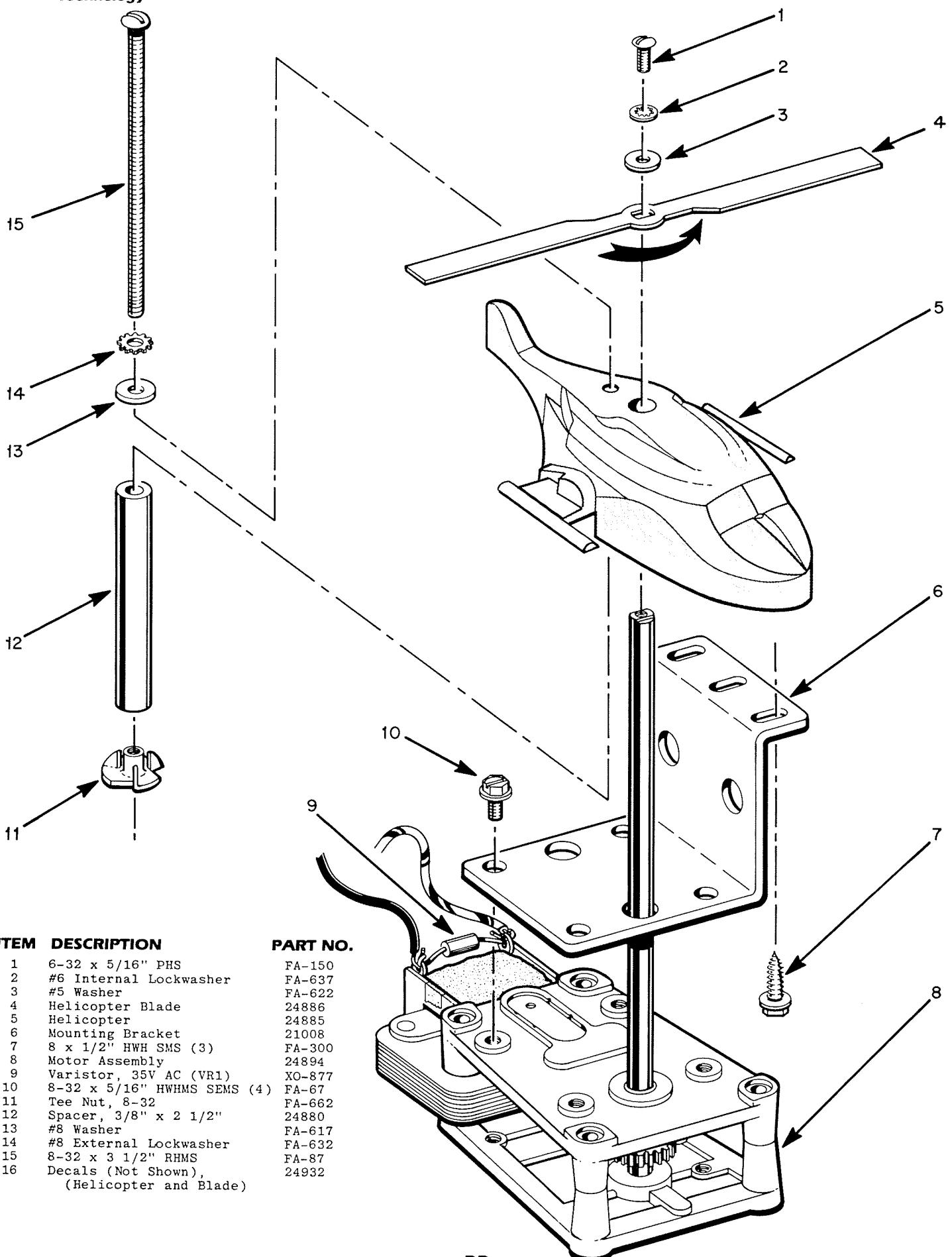
**"PUCK" KICKER (ICE FEVER) (BALL "PUCK")**



## BACK OF LIGHTBOX INSERT

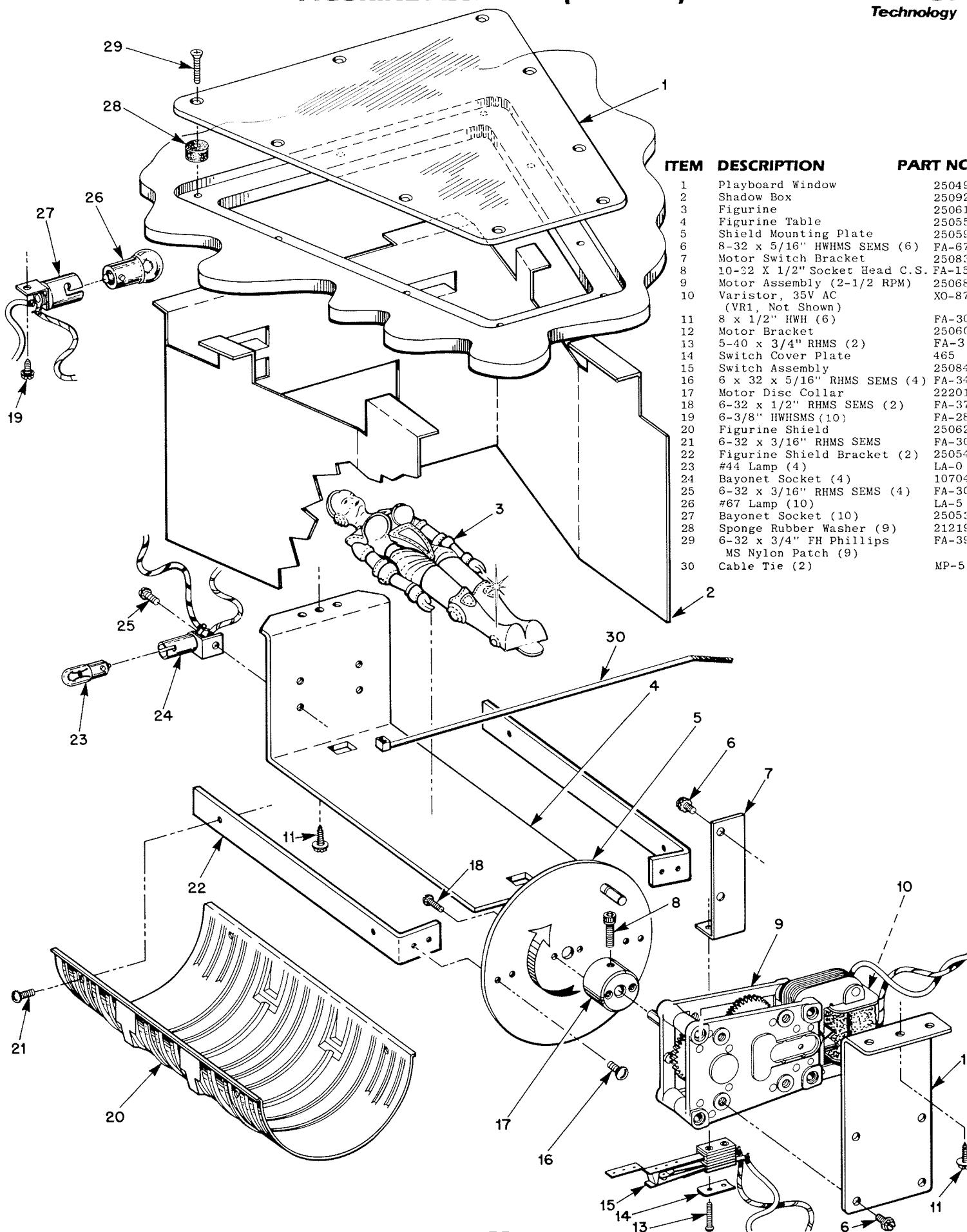


## HELICOPTER ASSEMBLY (RAVEN)

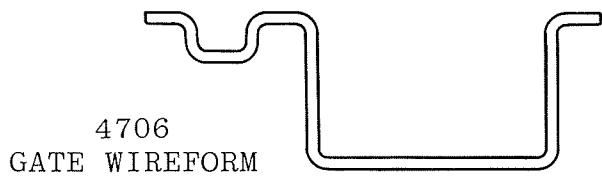


## FIGURINE ASSEMBLY (GENESIS)

**Premier**  
Technology



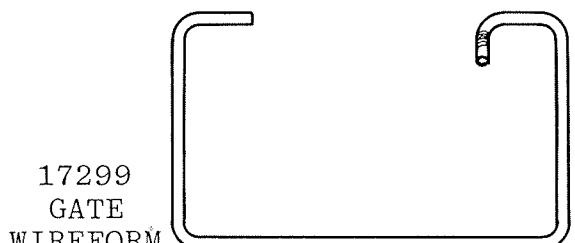
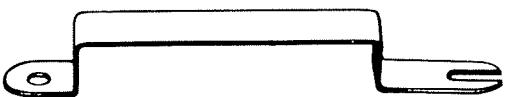
## ROLLUNDER PARTS



4706  
GATE WIREFORM

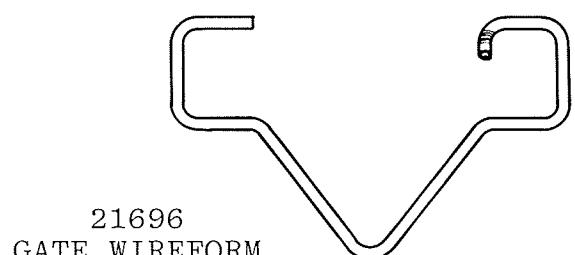
ROLLUNDER METAL SHIELD  
A-4705 — 2-3/4" CENTERS  
A-4869 — 2-15/16" CENTERS

ROLLUNDER  
SPRING  
A-14236

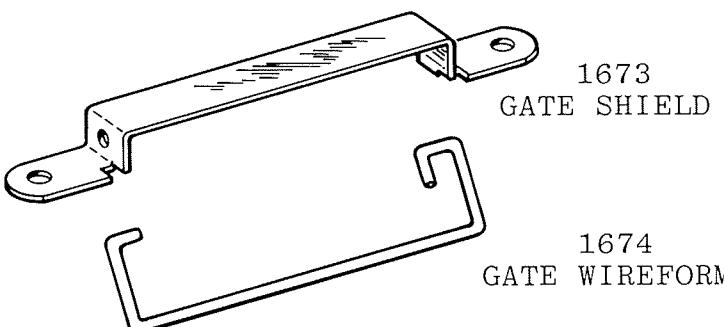


17299  
GATE  
WIREFORM

ROLLUNDER SWITCH  
B-21137

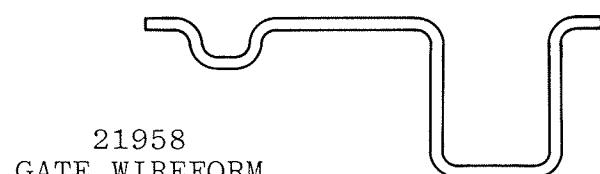


21696  
GATE WIREFORM

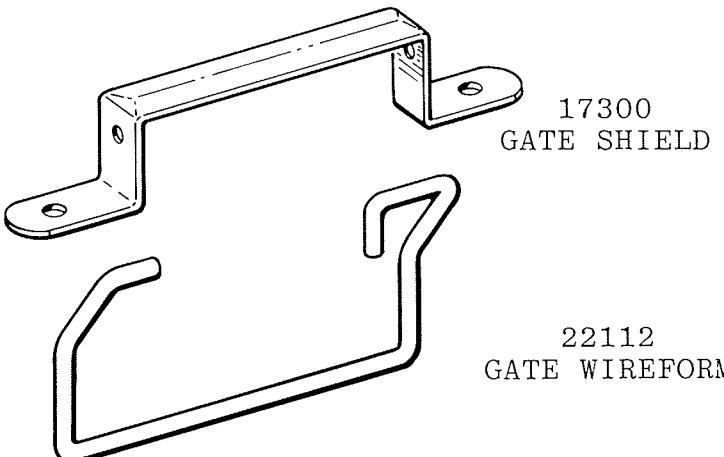


1673  
GATE SHIELD

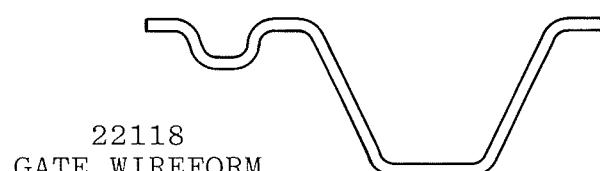
1674  
GATE WIREFORM



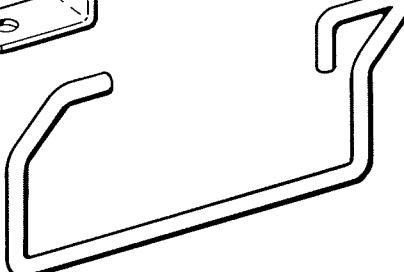
21958  
GATE WIREFORM



17300  
GATE SHIELD

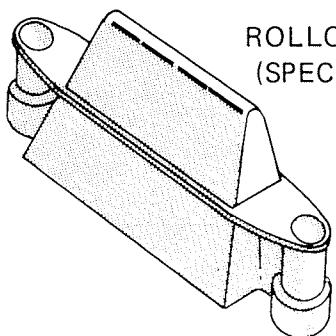


22118  
GATE WIREFORM



22112  
GATE WIREFORM

## ROLLOVER PARTS



ROLLOVER GUIDE  
(SPECIFY COLOR)

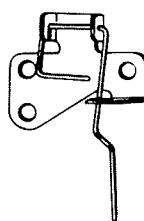
C-15646 1-1/2" CENTERS  
C-15647 2" CENTERS  
C-15648 2-1/2" CENTERS

PAT. NO. D-238,435

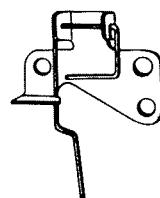
## ROLLOVER PARTS

**Premier**  
Technology

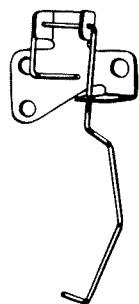
### ROLLOVER WIRE ASSEMBLIES



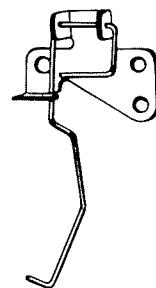
A-4958



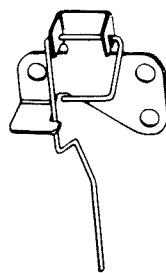
A-4959



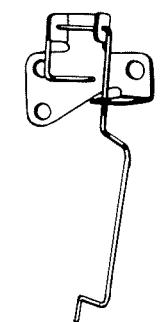
A-4960



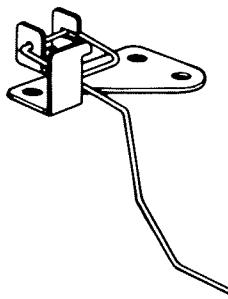
A-4961



A-9757



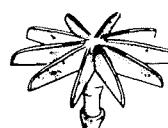
A-18348



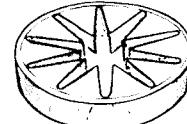
A-20603  
ROLLOVER WIRE FORM  
AND BRACKET ASSY.

TWIN STAR  
ROLLOVER BUTTON AND INSERT

D-11968  
(WHITE ONLY)



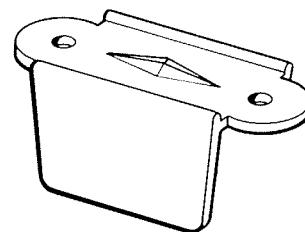
D-11966  
(SPECIFY COLOR)



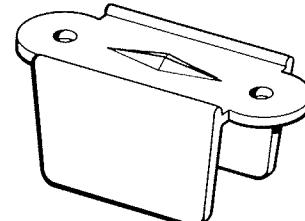
ROLLOVER SWITCH  
18892



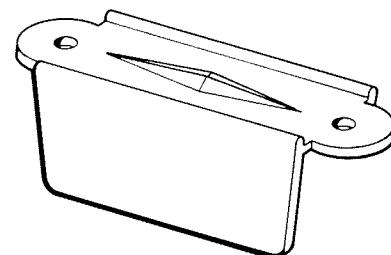
BALL GUIDE RAILS  
(SPECIFY COLOR)



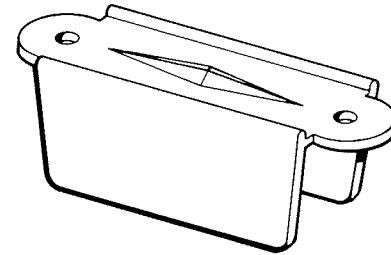
9393  
1-1/2"  
SINGLE APRON



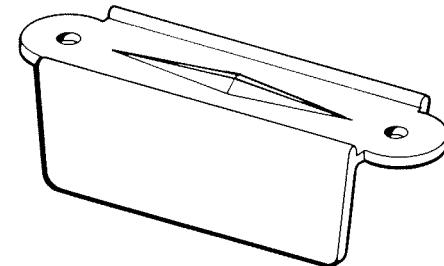
9394  
1-1/2"  
DOUBLE APRON



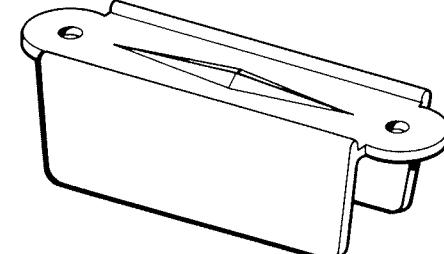
9395  
2-1/8"  
SINGLE APRON



9396  
2-1/8"  
DOUBLE APRON

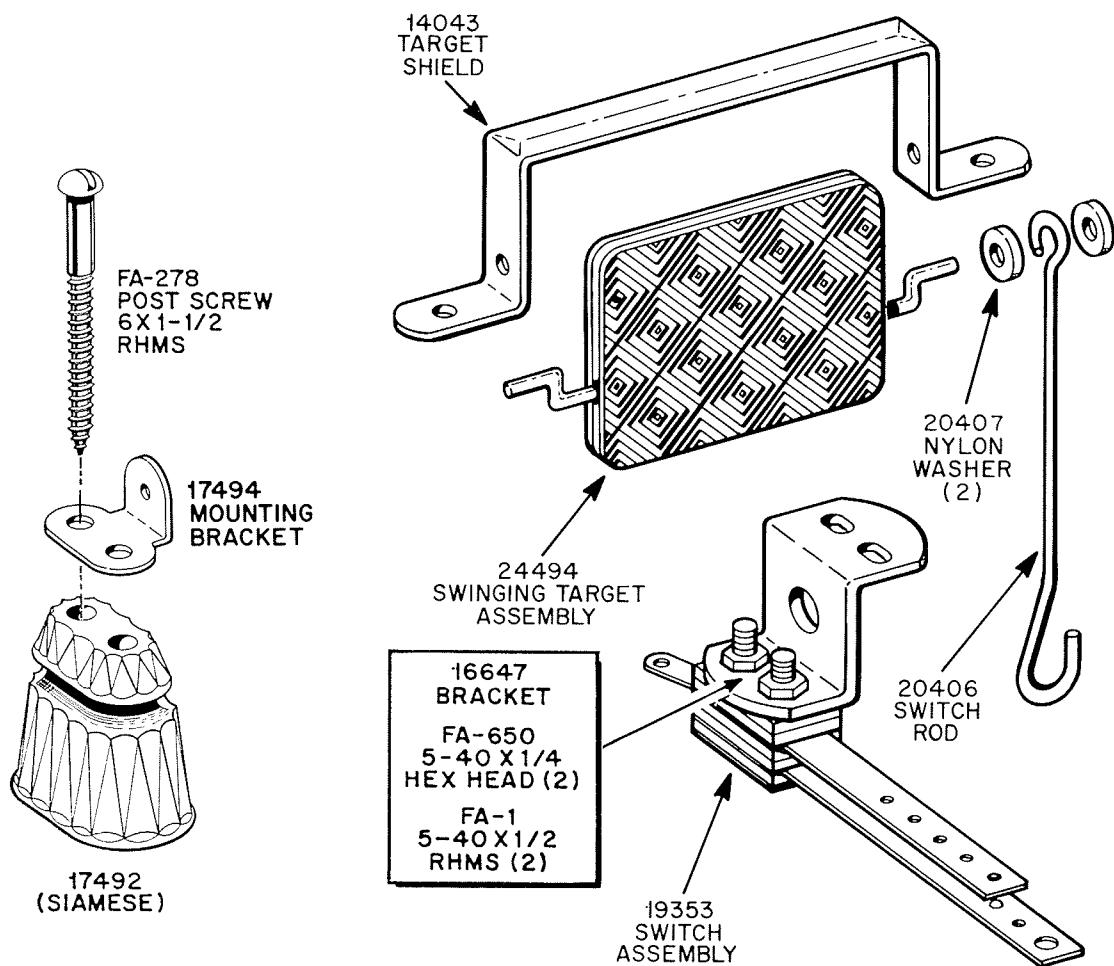


9397  
2-1/2"  
SINGLE APRON

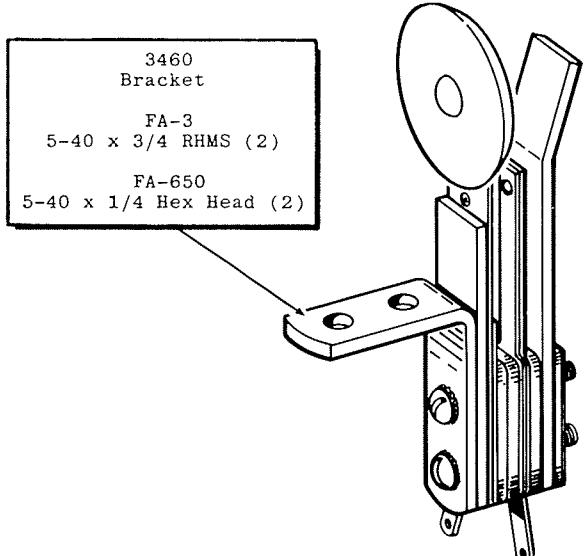


9398  
2-1/2"  
DOUBLE APRON

## SWINGING TARGET PARTS

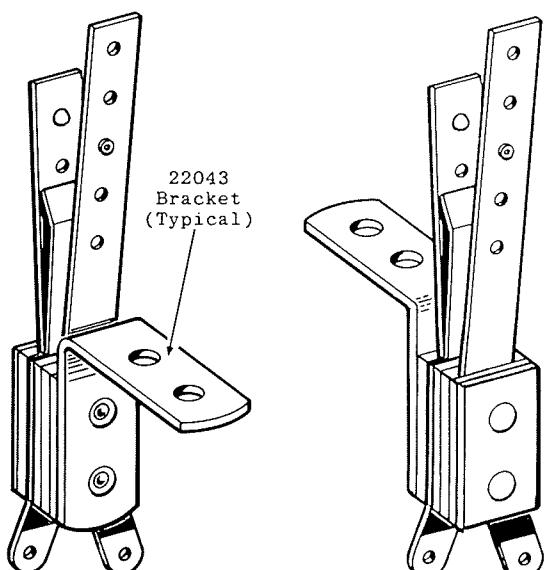


## SPOT TARGET



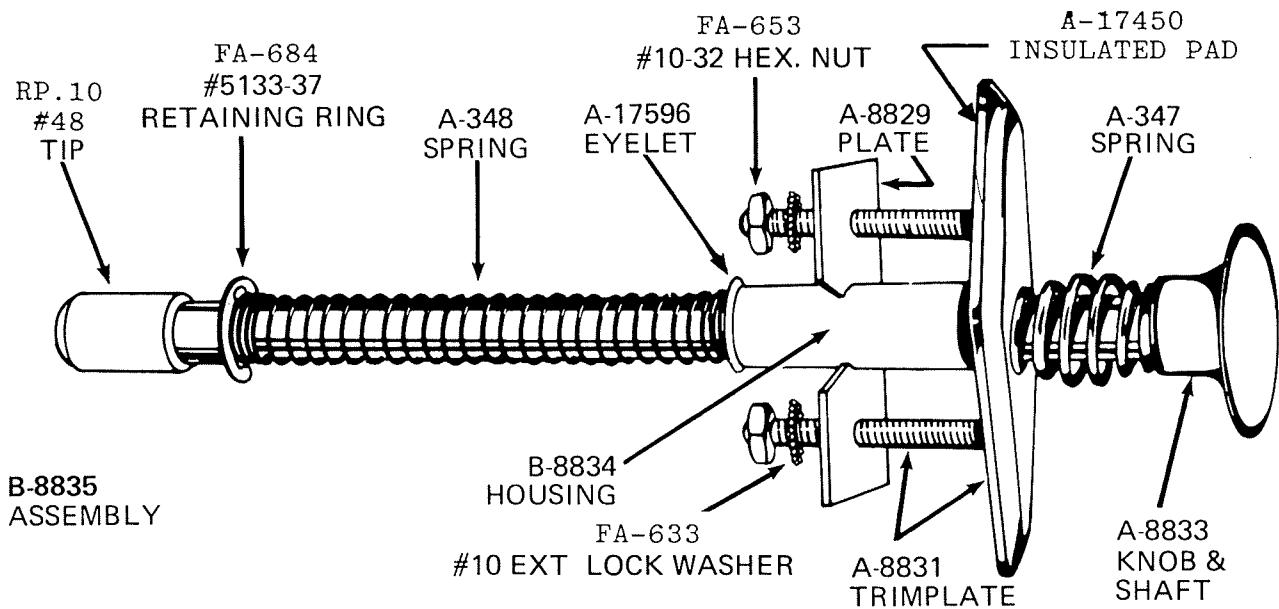
20867  
(SPECIFY GAME, COLOR OF TARGET  
AND COLOR OF STAMPING)

## SCORING SWITCHES

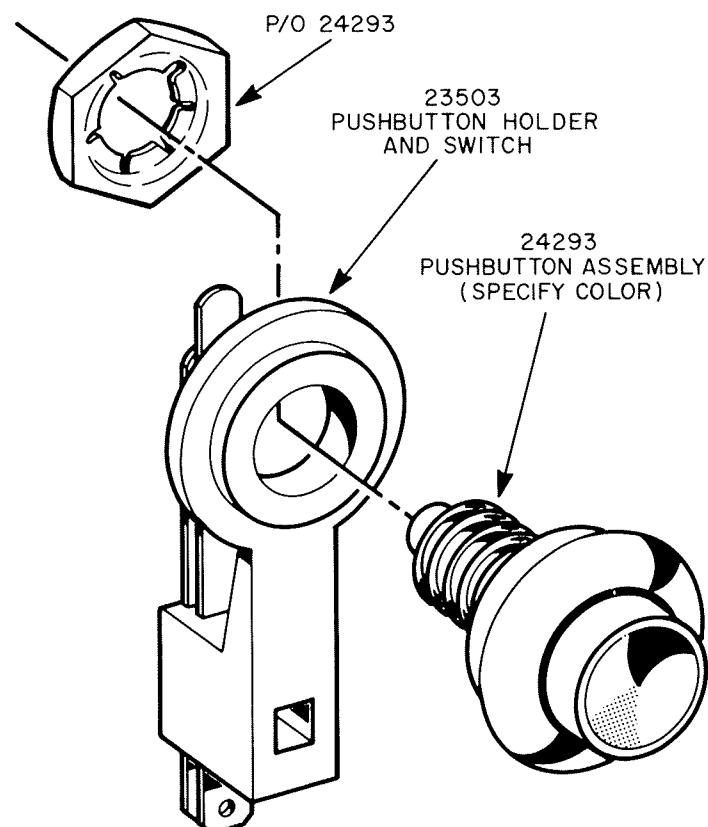


## BALL SHOOTER PARTS

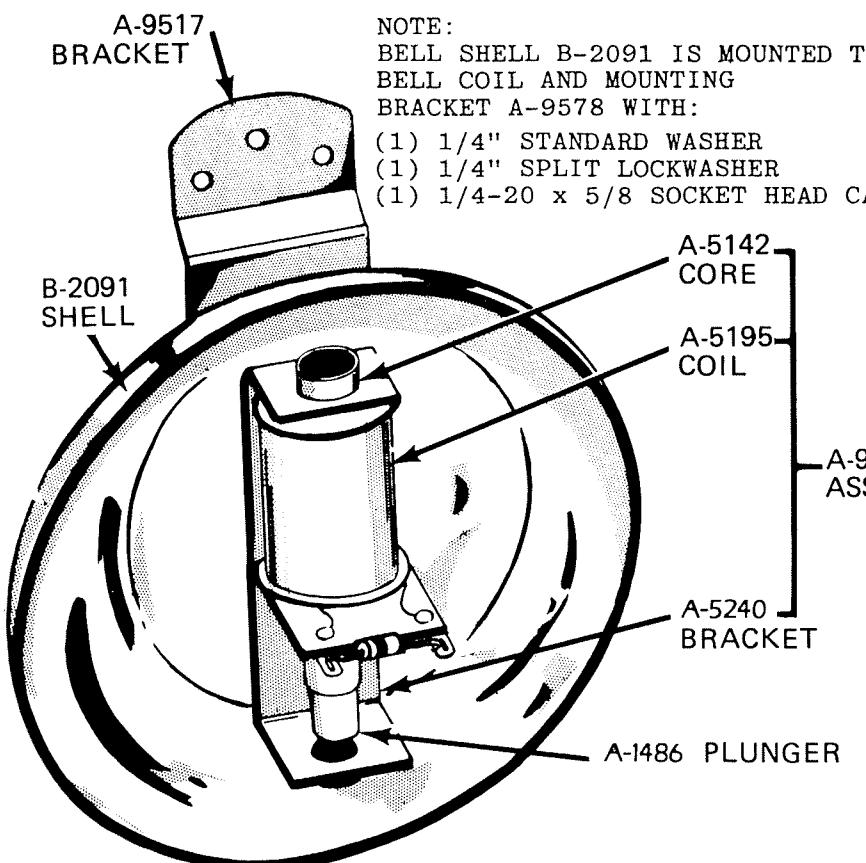
Premier  
Technology



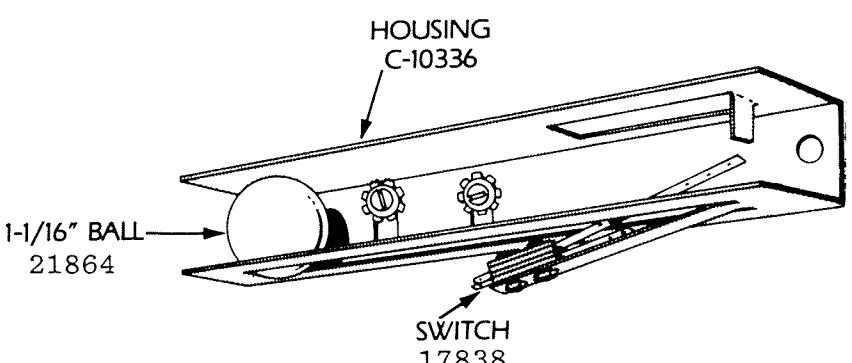
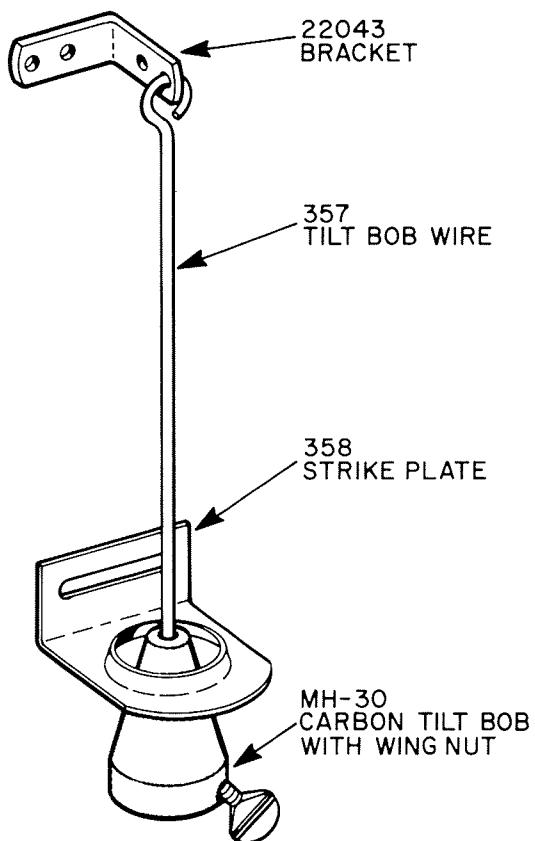
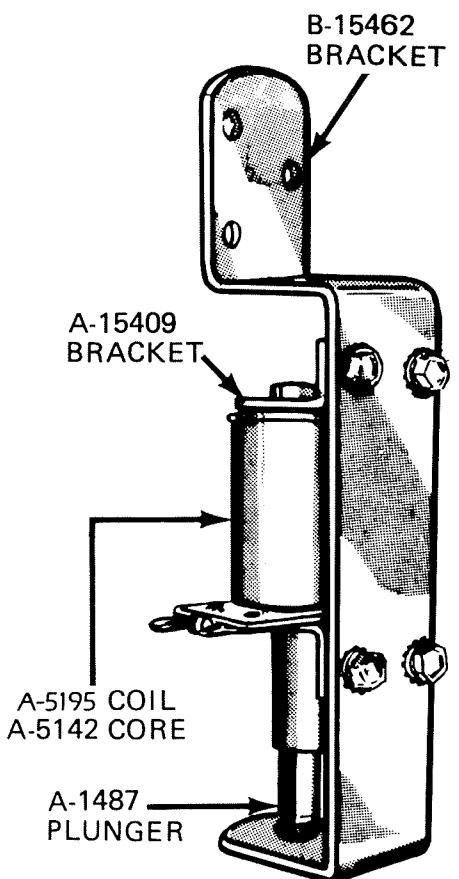
## PUSHBUTTON SWITCH PARTS



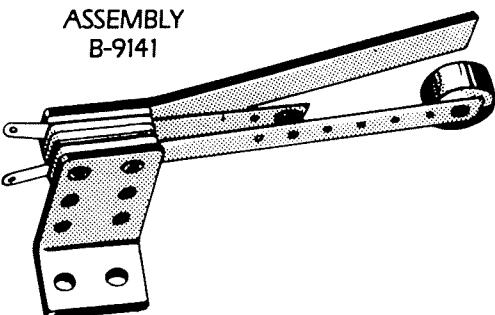
## BELL, KNOCKER AND TILT PARTS



MA-352  
BELL ASSEMBLY



PLAYBOARD TILT SWITCH  
ASSEMBLY  
B-9141

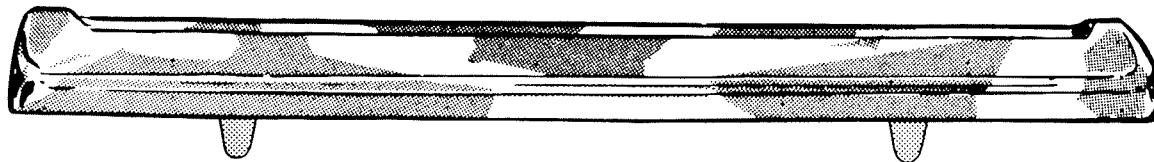


## LOCKDOWN PARTS

Premier  
Technology

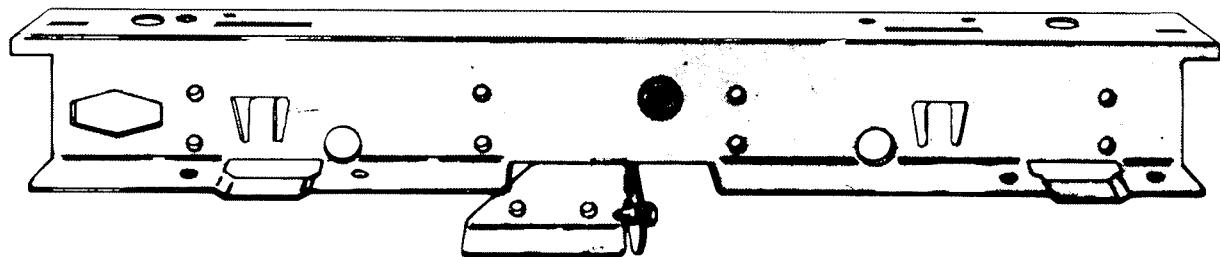
FRONT MOULDING ASSEMBLY (NARROW BODY)

D-16951 (Stainless)  
D-16951Y (Black)



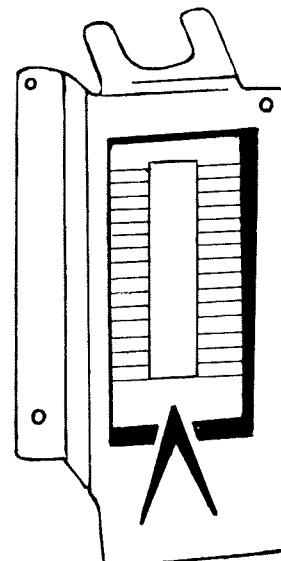
LOCKDOWN MOULDING SLIDE (NARROW BODY)

D-16949



STARTING WITH GAME #702 (RAVEN),  
LOCKDOWN MOULDING SLIDE (NARROW BODY)  
PART NO. 24993

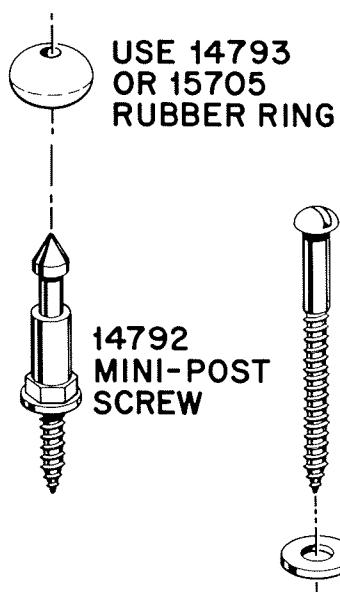
## BALL SHOOTER GAUGE



C-9767  
(SPECIFY GAME)

## PLAYBOARD PARTS

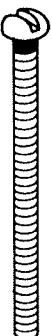
### POST SCREWS



14792  
MINI-POST  
SCREW



FA-278  
POST SCREW  
6X 1-1/2  
RHMS



FA-49  
POST SCREW  
6X 32,  
1-3/4 RHMS



FA-280  
POST SCREW  
6X 1-3/4  
RHMS



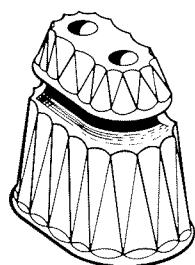
FA-666  
PALNUT

8857  
POST FASTENING  
SCREW

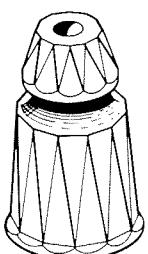


FA-615  
#6 WASHER

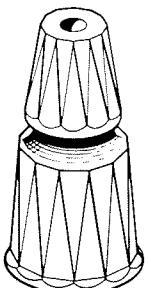
### PLASTIC POSTS



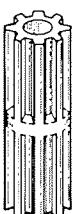
17492  
(SIAMESE)  
USE 17493  
RUBBER RING  
FA-278 SCREWS,  
#6 WASHERS



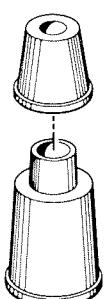
11561P  
USE 10217  
RUBBER RING  
FA-278 SCREW,  
#6 WASHER



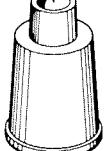
11562P  
USE 10217  
RUBBER RING,  
FA-280 SCREW,  
#6 WASHER



20635P  
USE  
FA-278 SCREW,  
#6 WASHER



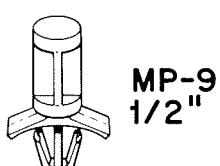
14488  
SPLIT  
POST  
CAP



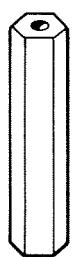
14487  
SPLIT  
POST  
BASE

USE  
FA-278 SCREW,  
#6 WASHER

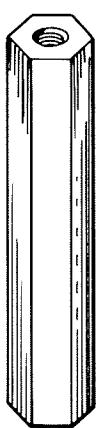
### SPACERS



MP-9  
1/2"



MP-17  
1-1/4"



24706  
2-1/8"



24880  
2-1/2"



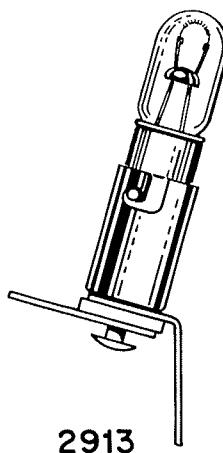
25089  
3-1/8"



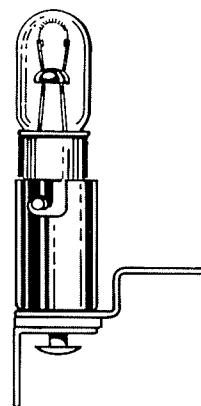
MP-16  
1/4"

## LAMPS AND SOCKETS

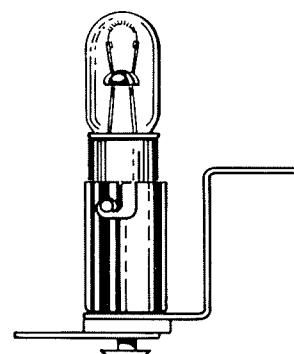
**Premier**  
Technology



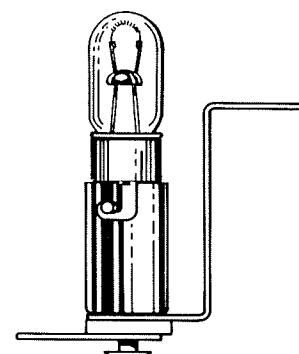
2913



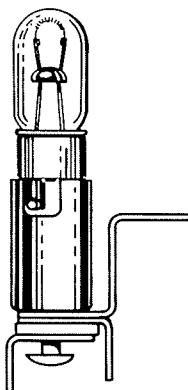
2914



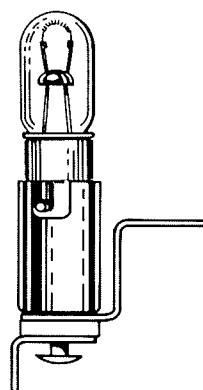
2915



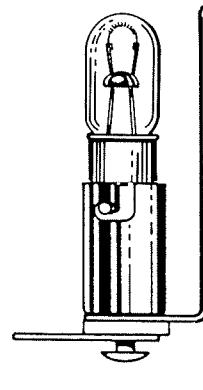
2916



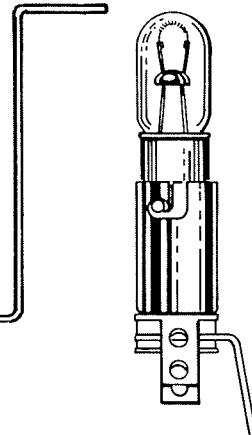
3561



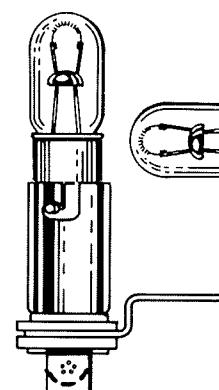
4762



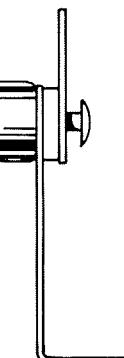
6413



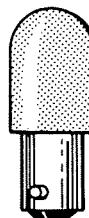
10704



15858



16002

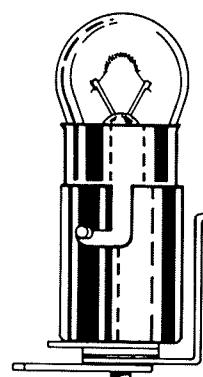


24875  
BULB SHIELD  
(SPECIFY COLOR)

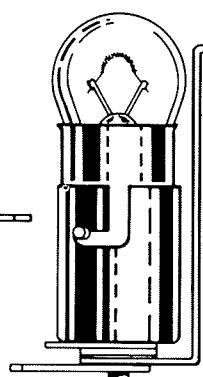
LAMP TYPE #44, PART NO. LA-0, (6.3V)  
LAMP TYPE #67, PART NO. LA-5, (24V)



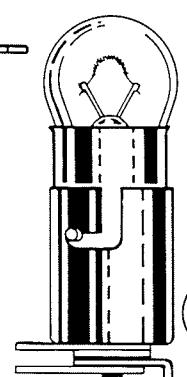
PLAYBOARD  
LIGHT SHIELD  
24410U (RED)  
24410N (AMBER)  
24410S (GREEN)  
24410T (YELLOW)  
24410W (BLUE)



24881

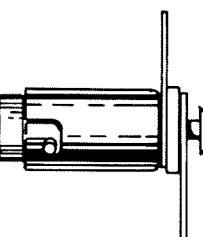


24965



25053

**LIGHTBOX  
LAMP SOCKET**

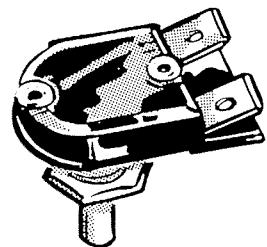
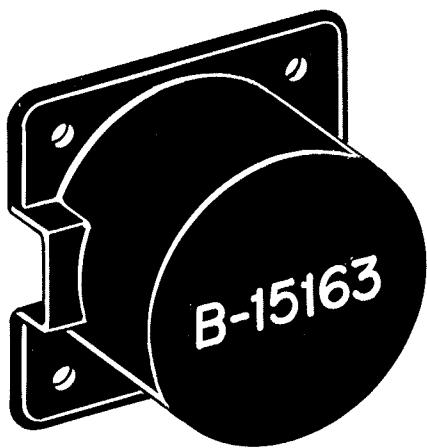


1363

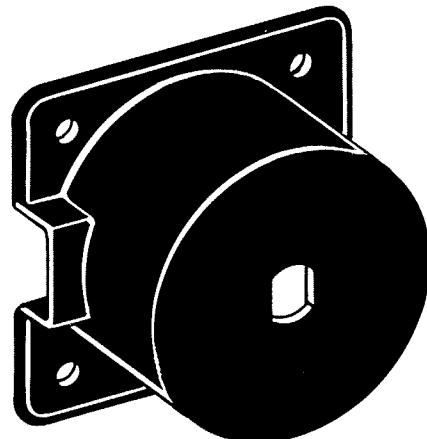
**NOTE: LAMP BULBS NOT SUPPLIED WITH SOCKETS.**

## ON-OFF SWITCHES AND FUSES

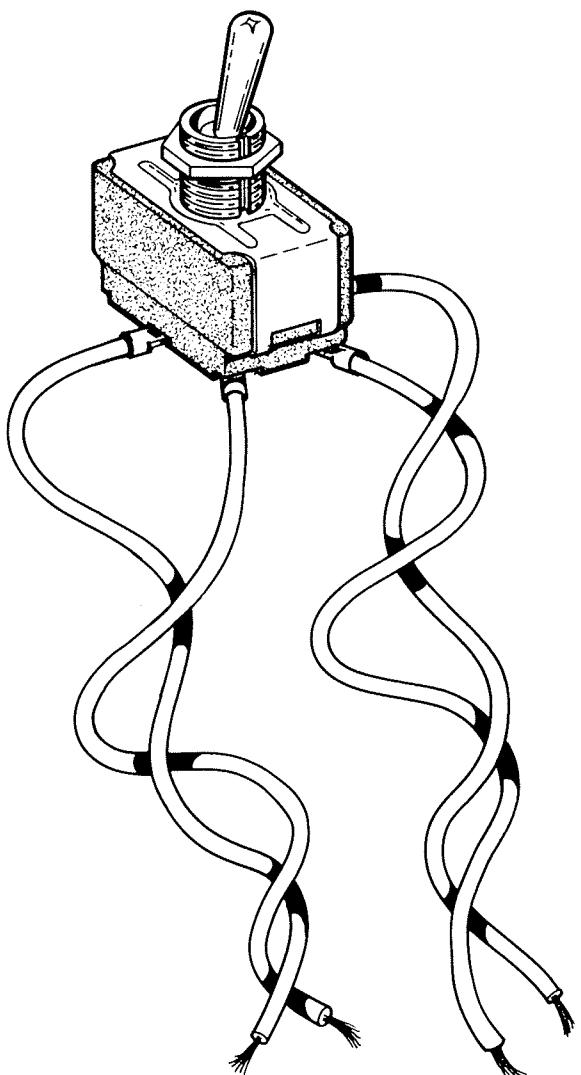
15163  
SWITCH COVER



15401  
ON-OFF SWITCH

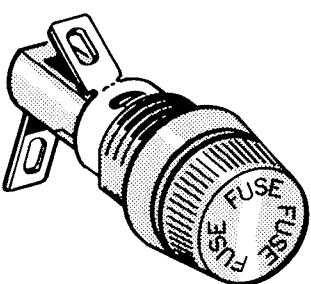


21196  
FUSE HOLDER  
HOUSING

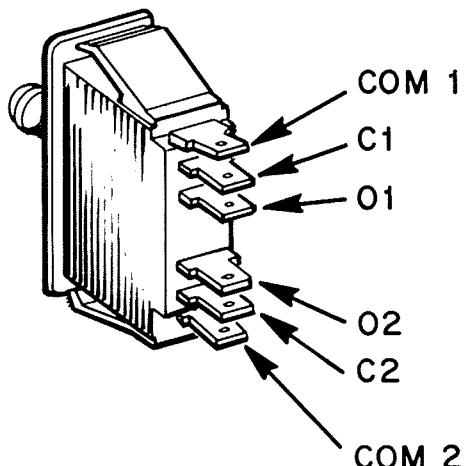


23799  
ON-OFF SWITCH

FUSE RATING	PART NO.
1/4 AMP	EL35
1/4 AMP SLO-BLO	EL5
1/2 AMP	EL28
1/2 AMP SLO-BLO	EL20
1 AMP SLO-BLO	EL6
1-1/2 AMP SLO-BLO	EL34
2 AMP SLO-BLO	EL7
2-1/2 AMP SLO-BLO	EL21
3 AMP	EL31
3 AMP SLO-BLO	EL9
4 AMP SLO-BLO	EL33
5 AMP	EL27
5 AMP SLO-BLO	EL8
6-1/4 AMP SLO-BLO	EL29
7-1/2 AMP	EL22
8 AMP	EL30
8 AMP SLO-BLO	EL26
10 AMP	EL23
10AMP SLO-BLO	EL36
12 AMP	EL24
15 AMP	EL25



EL78  
FUSE HOLDER



EL66  
INTERLOCK SWITCH

## RUBBER RINGS

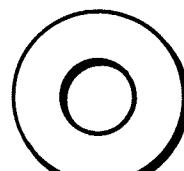
Premier  
Technology



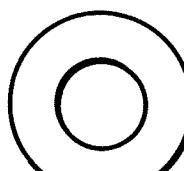
14793  
(SMALL MINI-POST)



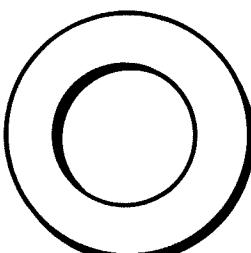
15705  
(MINI-POST)



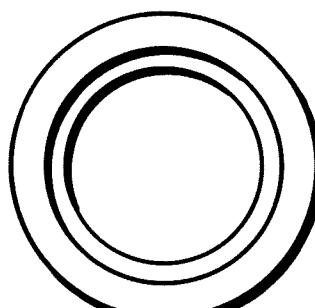
10217



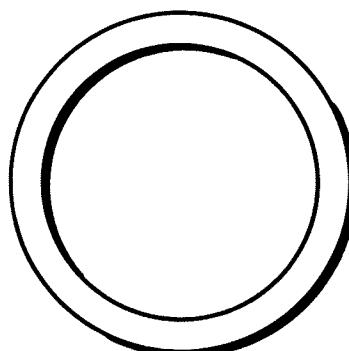
17493  
(SIAMESE)



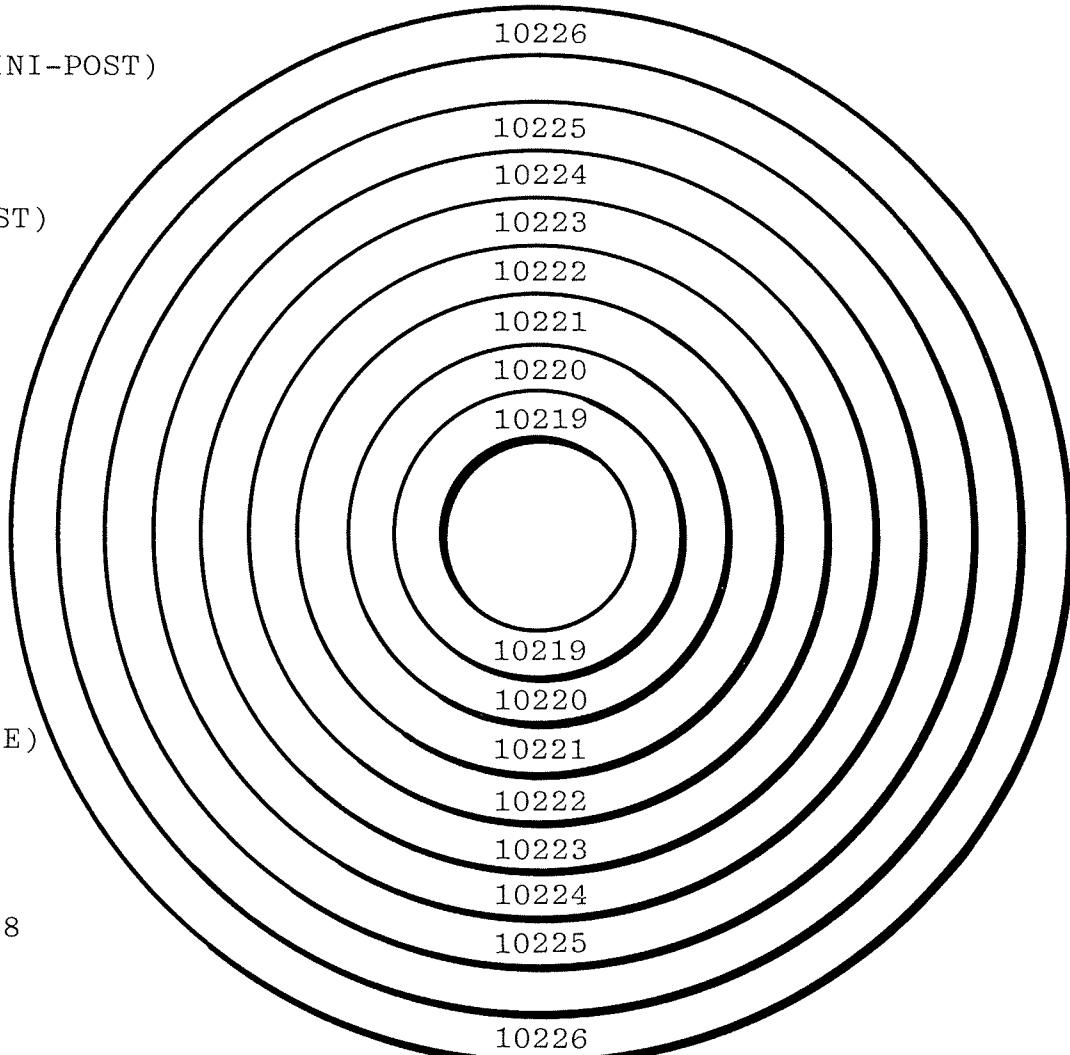
10218



13149 (RED)  
(SMALL FLIPPER)



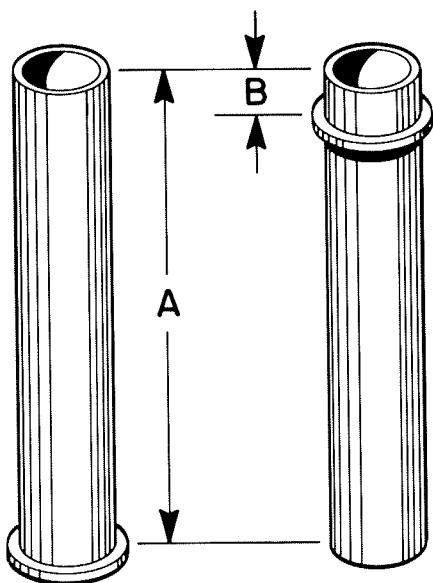
13151 (RED)  
(JUMBO FLIPPER)



PART NO.	SIZE
14793	*23/64"
15705	*27/64"
10217	3/8"
17493	7/16"
10218	3/4"
10219	1"
10220	1-1/2"
10221	2"
10222	2-1/2"
10223	3"
10224	3-1/2"
10225	4"
10226	5"

\*OUTSIDE DIAMETER

## COIL SLEEVES



COIL SLEEVE DIMENSIONS

SLEEVE PART NO.	A	B
5064	1-21/32"	---
5065	1-7/8"	---
5142	2-3/4"	1/4"
5172	2-1/2"	---
6087	1-31/32"	1/4"
21411	1-27/32"	1/8"

APPLICATION	SLEEVE	APPLICATION	SLEEVE
FLIPPER	5064	BELL ASSEMBLY	5142
HOLE KICKER		KNOCKER ASSEMBLY	
KICKING RUBBER			
KICKING TARGET			
POP BUMPER			
"PUCK" KICKER		DROP TARGET	5172
STARGATE RAMP			
BALL GATE ASSEMBLY	5065	BALL SAVE UNIT	6087
BALL RETURN UNIT			
DROP TARGET TRIP ARM			
TUBE KICKER ASSEMBLY		VERTICAL UPKICKER	21411

## COIL CHART

**Premier**  
Technology

### SOLENOID COILS

PART NUMBER	GENERAL USAGE	RESISTANCE (OHMS)	NUMBER OF TURNS	WIRE GAUGE	WRAPPER COLOR
A-1496	KICKING TARGET KICKING RUBBERS POP BUMPERS	2.95	635	#23	Yellow
A-4893	UP KICKER POP BUMPERS BALL KICKER	2.1	535	#22	Red
A-5194	UP KICKER GONG KICKING TARGETS POP BUMPERS	4.5	780	#24	Blue
A-5195	CONTACT KICKER KNOCKER HOLE KICKER	11.6	1305	#26	White
A-16570	HOLE KICKER, OUTHOLE	15.5	1450	#27	Green
A-17875	FLIPPERS	2.8/40	560/1100	#24/31	Yellow
A-17891	5 BANK RESET	3.35	850	#22	White
A-18102	3 BANK RESET, 7 BANK RESET USES 2	9.0	1430	#24	Red
A-18318	4 BANK RESET	6.7	1130	#24	Orange
A-19300	BALL KICKER	7.8	1075	#25	Orange
A-20095	SUPER FLIPPER	1.55/35.5	450/900	#22/31	Red
A-21741	UP KICKER	2.5	575	#23	Orange
A-24161	INTERMEDIATE FLIPPER	2.2/40	520/1050	#23/31	Blue

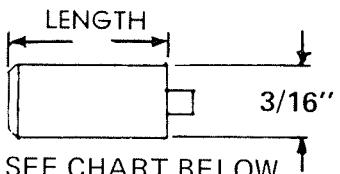
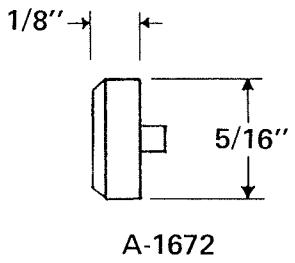
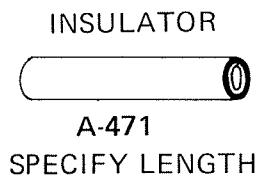
### RELAY COILS

A-16890	Q, T, AND COIN LOCKOUT RELAYS	231.0	4000	#35	Orange
A-20558	GATE RELAY	156.0	3400	#34	White
A-18642	MEMORY/ DROP TARGETS	58.0	1590	#33	White
A-19508	MEMORY/ DROP TARGETS	35.0	1250	#32	YELLOW

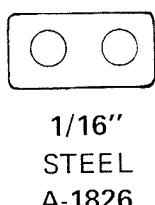
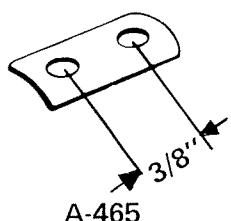
\*Coils may vary from game to game. Check game manual for exact coil usage.

## SWITCH PARTS

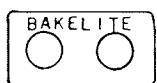
SWITCH BLADE  
LIFTERS  
(SHOWN OVERSIZE)



### SWITCH COVER PLATES



### SEPARATORS

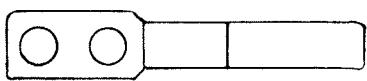


1/16"  
A-463



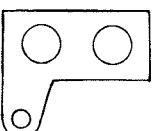
1/32"  
A-464

### BACKING BLADES



LENGTH	NYLON NO.	FIBRE NO.
3/32"	A-5255	A-453
1/8"	A-5256	A-454
5/32"	A-5257	A-455
3/16"	A-5258	A-456
7/32"	A-5259	A-457
1/4"	A-5260	A-458
9/32"	A-5261	A-459
5/16"	A-5262	A-460
11/32"	A-5263	A-461
13/32"	A-5264	A-462

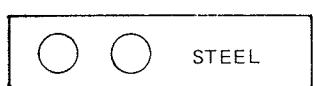
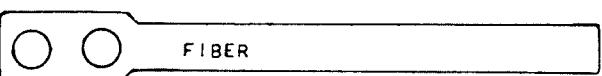
### SIDE LUG



### SOLDER LUG BLADE

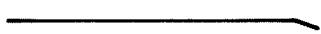
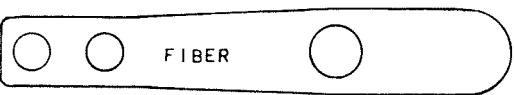


### SWITCH BLADE INSULATORS



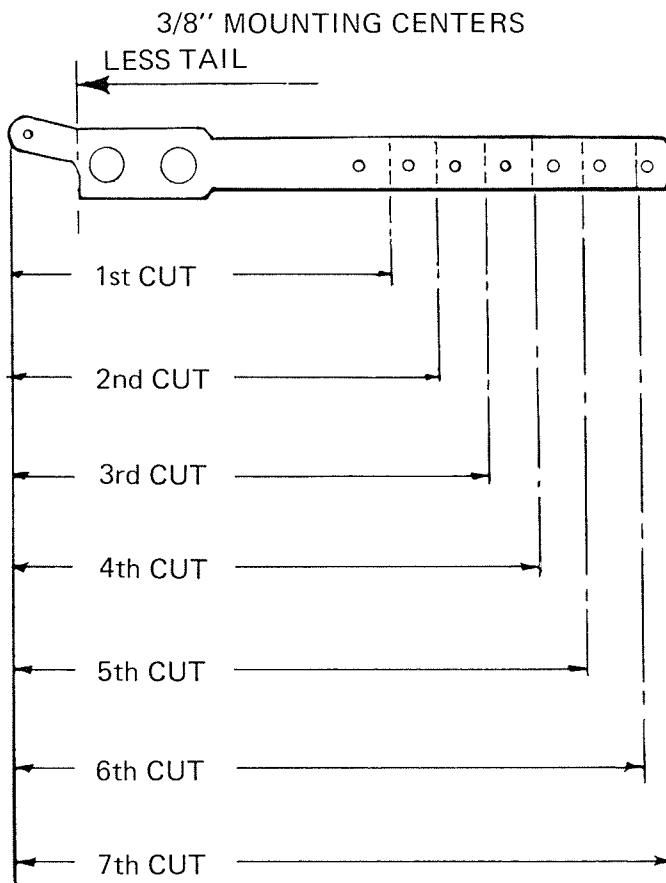
STEEL

A-17037 2" LONG



## SWITCH BLADES

**Premier**  
Technology

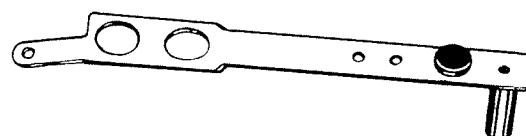


When ordering switch blades with points or lifters installed, specify:

Blade number,  
Point number,  
Point facing up or down,  
Point location,  
Lifter number,  
Lifter facing up or down,  
Lifter location.

### EXAMPLE:

To obtain a .010 4th cut switch blade with tail, large point in 3rd hole facing up, a 5/16" long nylon lifter in the 4th hole facing down. (Hold blade in manner shown below)



### TO WRITE ORDER:

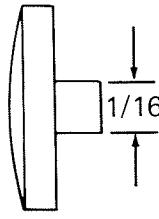
A-407, A-466 up 3rd & A-5262 down 4th.

BLADE THICKNESS		1ST CUT	2ND CUT	3RD CUT	4TH CUT	5TH CUT	6TH CUT	7TH CUT
.008"	With Tail	A-391	A-396	A-401	A-406	A-411	A-2314	A-416
	Less Tail	A-421	A-426	A-431	A-436	A-441	A-2319	A-446
.010"	With Tail	A-392	A-397	A-402	A-407	A-412	A-2315	A-417
	Less Tail	A-422	A-427	A-432	A-437	A-442	A-2320	A-447
.012"	With Tail	A-393	A-398	A-403	A-408	A-413	A-2316	A-418
	Less Tail	A-423	A-428	A-433	A-438	A-443	A-2321	A-448
.016"	With Tail	A-394	A-399	A-404	A-409	A-414	A-2317	A-419
	Less Tail	A-424	A-429	A-434	A-439	A-444	A-2322	A-449
.020"	With Tail	A-395	A-400	A-405	A-410	A-415	A-2318	A-420
	Less Tail	A-425	A-430	A-435	A-440	A-445	A-2323	A-450

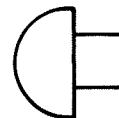
## SILVER CONTACT POINTS

## GOLD FLASHED SILVER CONTACT POINTS

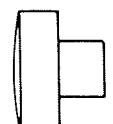
(ALL POINTS SHOWN OVERSIZE)



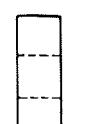
A-466



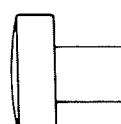
A-468



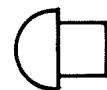
A-2040



A-5334

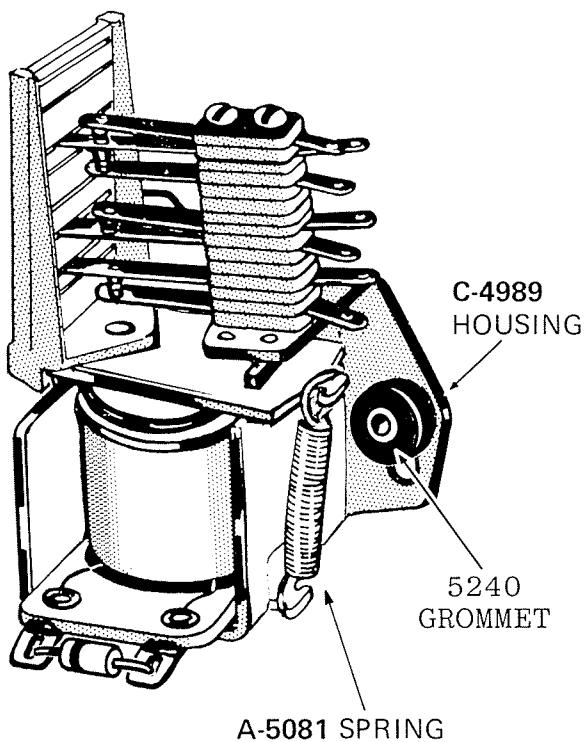


A-5335



A-15808

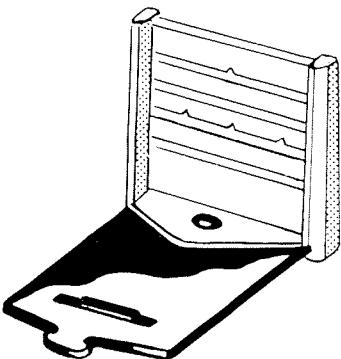
## RELAY PARTS



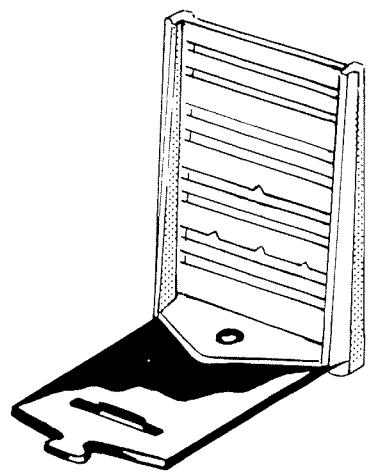
ADJUST LOCKIN POINTS FOR .010 GAP

ADJUST OTHER POINTS FOR .019 GAP

### ARMATURES WITH INSULATOR ARMS

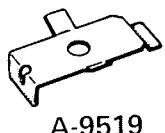


A-16892  
(D.C. RELAY)



A-16893  
(D.C. RELAY)

### RELAY CLIP



A-9519

### "AG" SWITCH STACKS



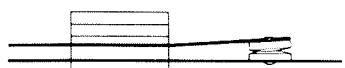
B-5363 (LOCKIN MAKE WITH SMALL POINTS)



B-5366 (BREAK WITH SMALL POINTS)



B-5364 (MAKE WITH SMALL POINTS)



B-5367 (BREAK WITH LARGE POINTS)



B-5365 (MAKE WITH LARGE POINTS)

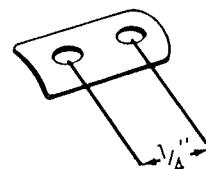


B-5368 (BREAK-MAKE WITH SMALL POINTS)

## RELAY BLADES

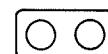
Premier  
Technology

SWITCH COVER PLATE

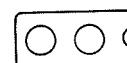


A-4981

SWITCH BLADE SEPARATOR



OVERRIDE BLADE RETAINER

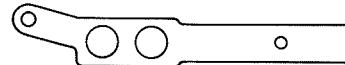


A-4979

A-4977 1/16" THK. BAKELITE  
A-4978 3/64" THK. BAKELITE  
A-4980 ALUMINUM OVERRIDE  
BLADE SPACER

## "AG" RELAY BLADES

SWITCH BLADE



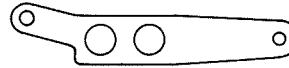
A-4983

OVERRIDE BLADE



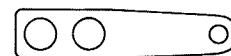
A-4986

SWITCH BLADE



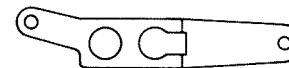
A-4984

LOCK-IN BACKING BLADE



A-4987

LOCK-IN BLADE



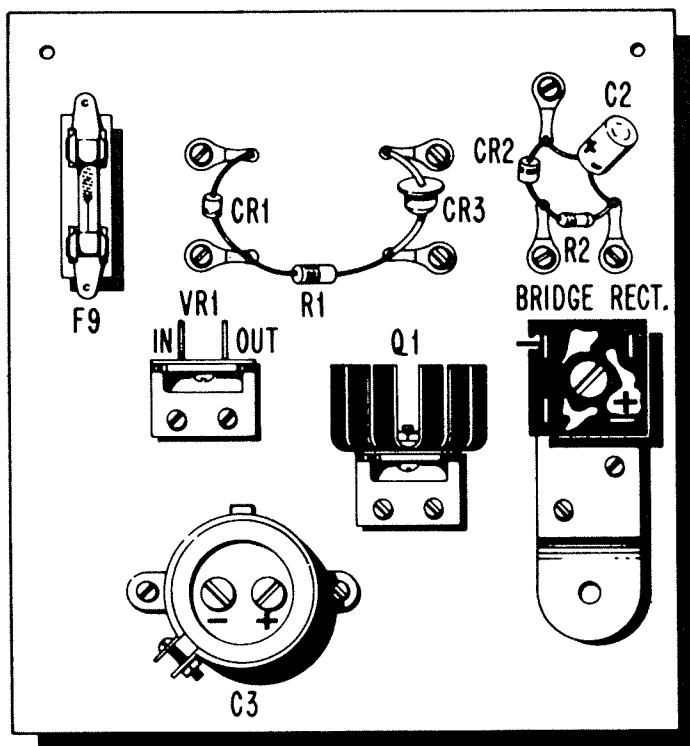
A-4985

SWITCH BLADE



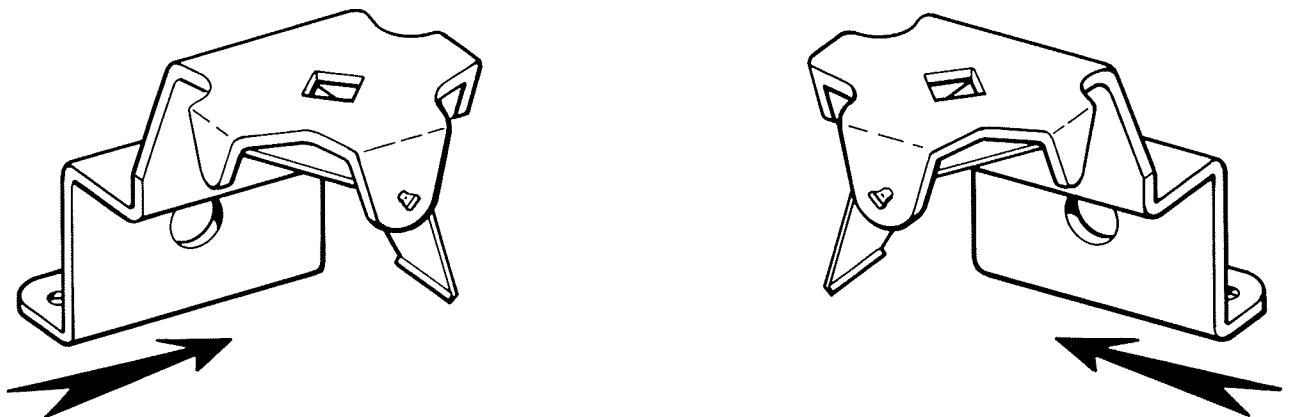
A-5536

## SOUND/SPEECH POWER SUPPLY



REFERENCE	DESCRIPTION	PART NUMBER
BR1	Power Supply Assembly	MA-149
C2	Bridge and Mounting Bracket	MA-177
C3	Capacitor, 47UF, 25V	XO-219
CR1	Capacitor, 4800UF, 50V, EL-RD	XO-288
CR2	Diode, 1N4751A, 5%, 1W, 30V	XO-271
CR3	Diode, 1N4742A	XO-257
F9	Diode, 1N4720	XO-260
Q1	Fuse, 1 Amp, SLO-BLO	EL-6
R1	Transistor and Heat Sink	MA-151
	Resistor, 2.2K Ohm, 5%, 1/4W	XO-27
	1 Amp SLO-BLO Fuse Label	A-20933
	350-308 Fuse Block	EL-0

## ARCH REBOUND ASSEMBLIES



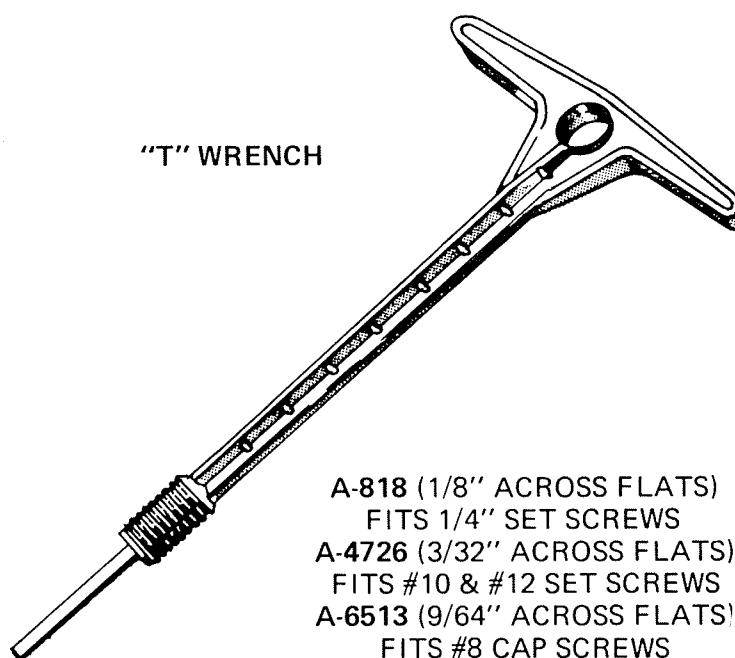
19645

19646

## TOOLS

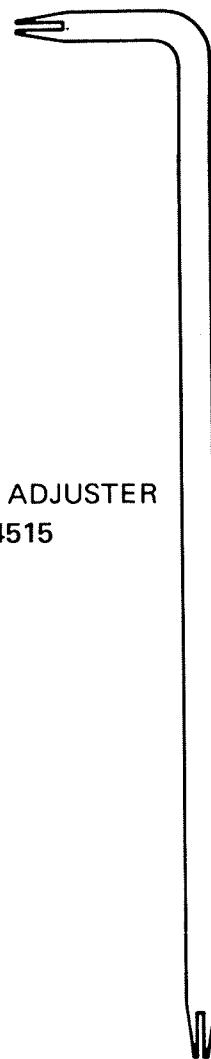
Premier  
Technology

"T" WRENCH

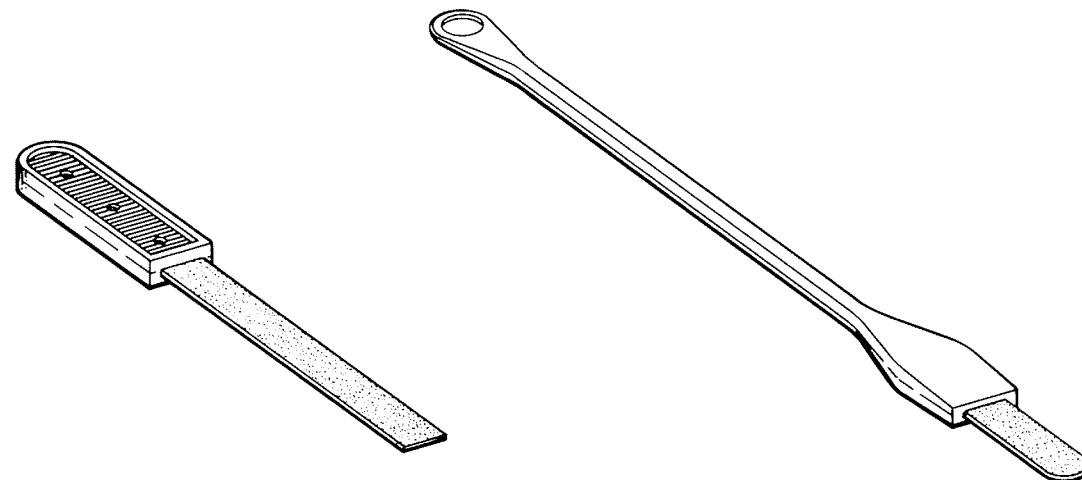


A-818 (1/8" ACROSS FLATS)  
FITS 1/4" SET SCREWS  
A-4726 (3/32" ACROSS FLATS)  
FITS #10 & #12 SET SCREWS  
A-6513 (9/64" ACROSS FLATS),  
FITS #8 CAP SCREWS

CONTACT ADJUSTER  
A-4515



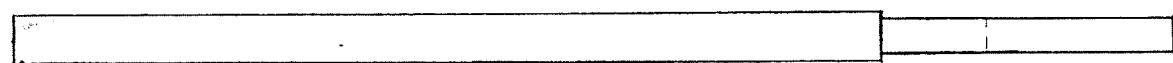
POINT BURNISHING TOOLS



A-14104

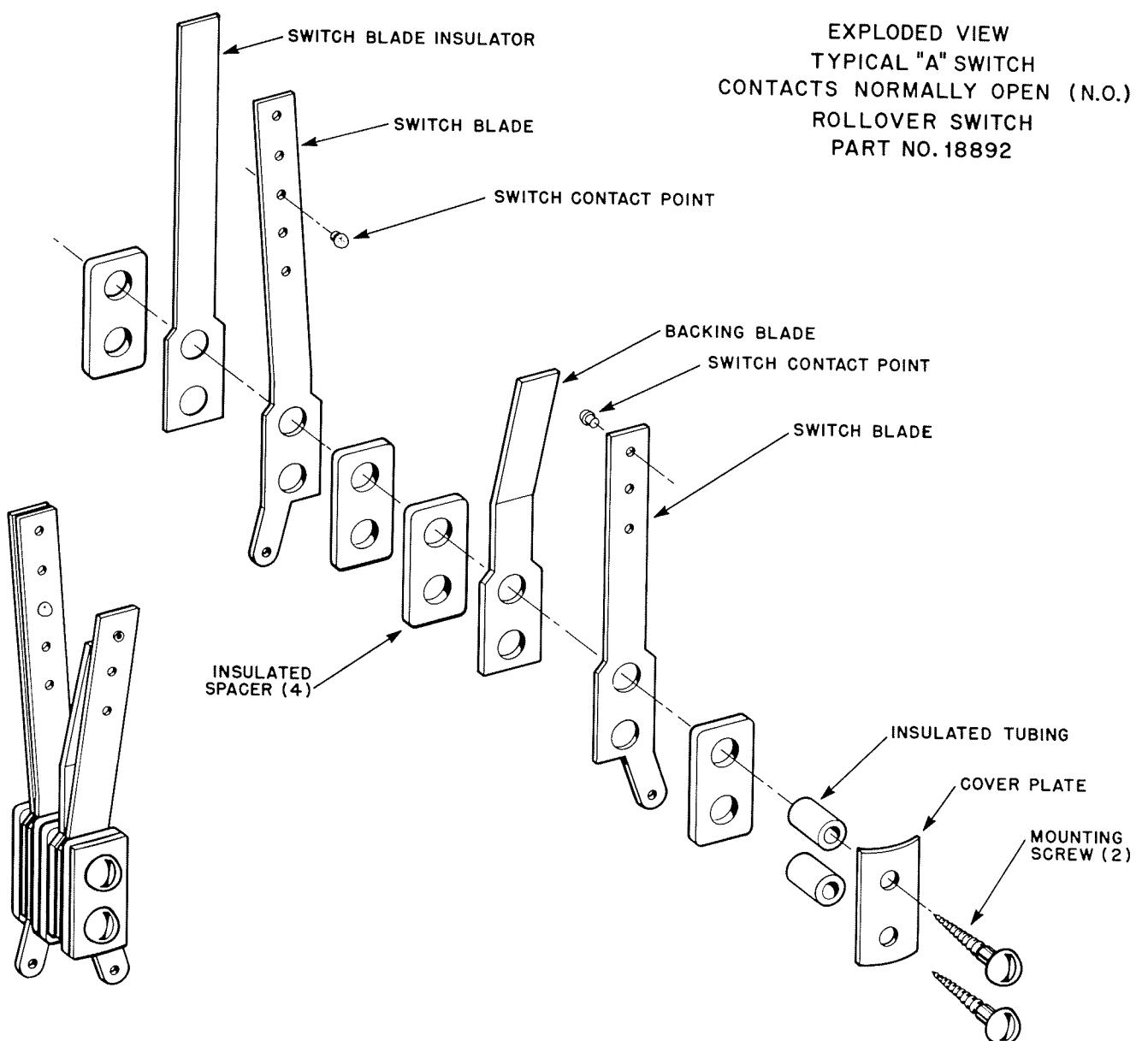
(DIAMOND DUST)  
A-9460

MINI PRY BAR



A-16351

## ROLLOVER SWITCH REFERENCE



**COIN ACCEPTOR**

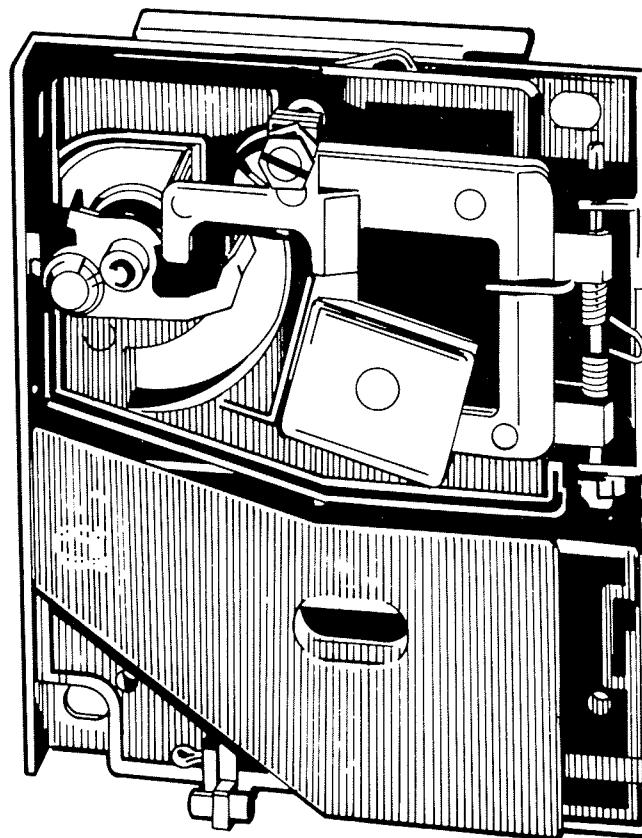
**Premier**  
Technology

# **COIN CONTROLS, INC.**

Manufacturers of Coin Handling Equipment

## **INSTRUCTION MANUAL**

# **Gold Mech Coin Acceptor**



**Precision built for high speed coin acceptance.  
Featuring maximum anti-fraud protection.**

The Gold-Mech coin acceptor tests the following: metal content (via magnetic eddy current), thickness, diameter and weight.

TOLL FREE

**1-800-323-8174**



**Coin Controls Inc.  
1000A Touhy Ave.  
Elk Grove, IL 60007**

**(312) 228-1810**

FAX: (312) 228-1833  
TELEX: 297-108 COIN UR

## **Gold Mech: Service Information CLEANING and CARE of the MECHANISM**

Fig. 1

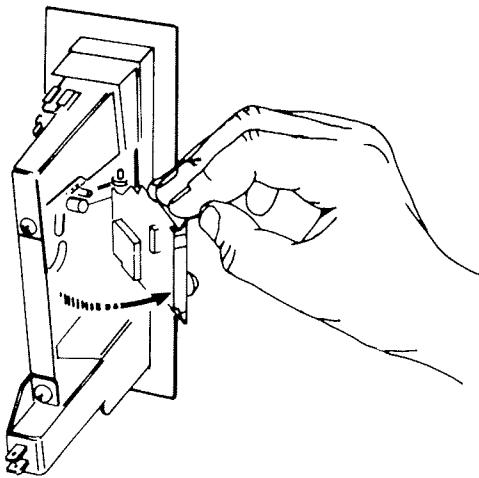
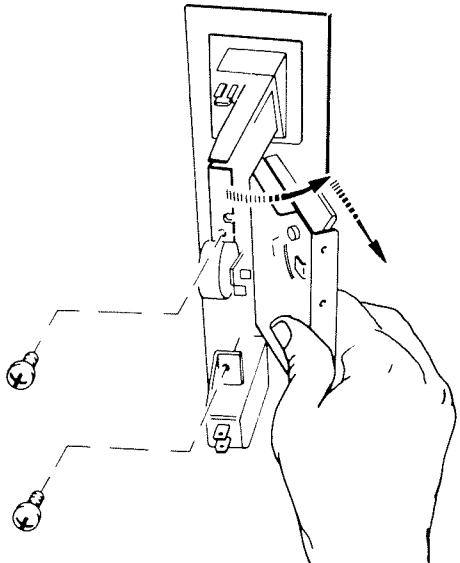


Fig. 2



The magnet that is fitted to the mechanism, should be kept clean from foreign particles. The magnet can be cleaned by swinging the gate open. (as shown in Fig. 1). Remove metal filings from the magnet by guiding the point of a screwdriver along the edges of the magnet, such that the filings cling to the screwdriver.

The mechanism can be cleaned by immersing in water using a small brush to clean the mechanism. Rinse the mechanism with boiling water and dry with compressed air.

### Note:

Since the Gold Mech relies on coins passing the magnet at a constant speed, the rejector must be free of dirt and grease which may slow down the coins. Do not lubricate the acceptor with oil as this slows down coins.

If the above procedures are not successful, check for worn, bent or damaged parts and replace where necessary.

### Coin switch

The coin switch comes in two different spring tensions—identified by the color of the plastic boss at the wire's pivot point.

**Red:** Light tension—U.S. 25¢

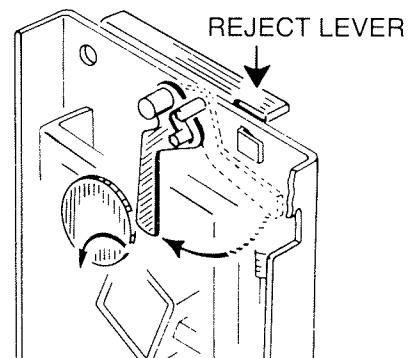
**White:** Heavy tension—heavy foreign coins

### Removal of Mechanism

To remove the coin selector: Unscrew the two screws (as shown in Fig. 2)—swing rear of selector body away from the lock-out side and withdraw.

The Gold Mech Acceptors are designed to require a minimum of maintenance and field adjustment. Coins are checked by diameter and thickness, weight, metal content, bounce, and for ferromagnetic coins such as nickel and steel, a rim test is also used.

Fig. 3



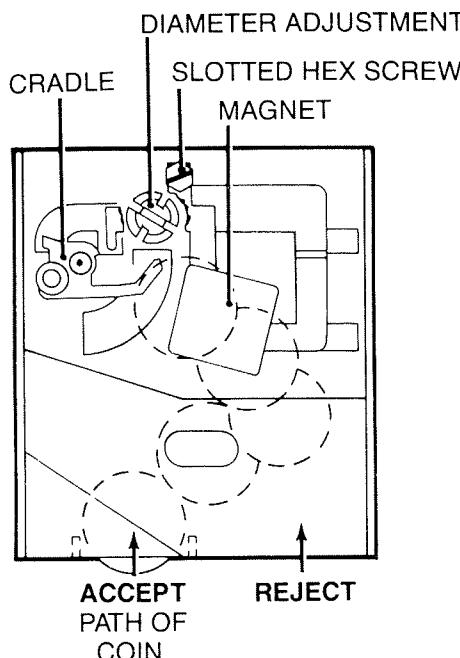
### The Magnet

Coins that are too thick will fail to pass between the magnet and the backplate of the mechanism; and will be cleared by the magnet wiper when the reject lever is actuated. (Fig. 3)

# COIN ACCEPTOR

**Premier**  
Technology

Fig. 4



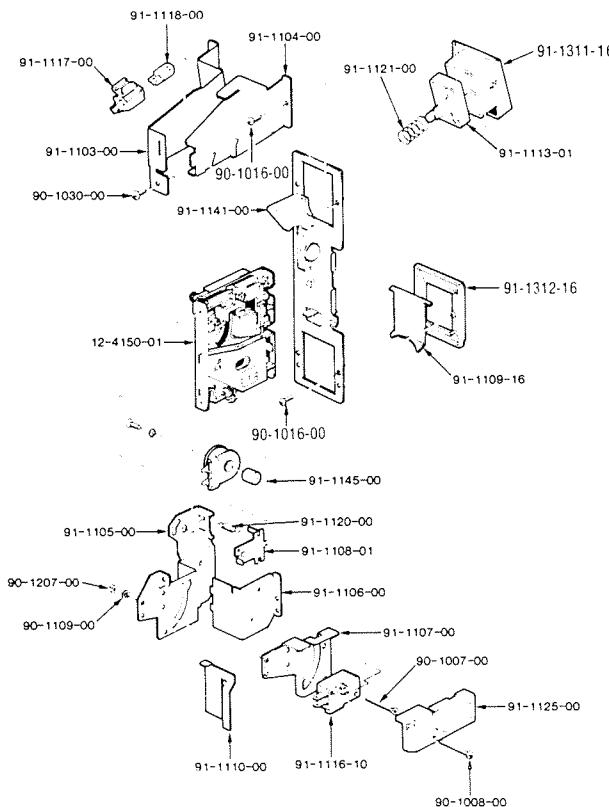
The first check on the coin is at the entry slot which prevents the entry of grossly oversize and bent coins. The next test is at the cradle. When the correct coin falls into the cradle, the cradle tips and the coin is delivered to the magnet check. Under-diameter coins fall between the legs of the cradle and are returned to reject. Under-weight coins fail to tipple the cradle and can be returned to reject by pressing the reject lever.

## Adjustment

The Gold Mech Acceptors are factory adjusted for optimum performance. If more critical adjustments are desired, or if the unit has been disassembled, the following adjustment procedure is suggested.(Fig. 4).

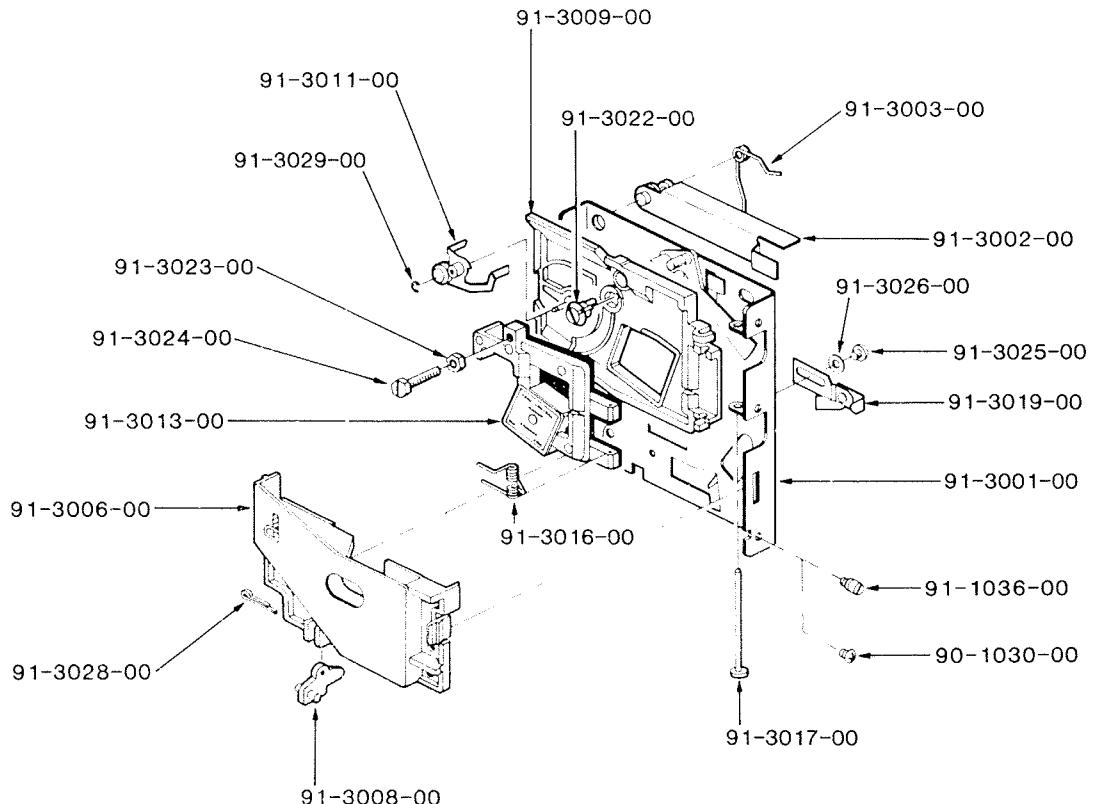
1. Ensure that the mechanism is in an upright and level position.
2. Loosen the hex locking screw on the magnet holder and unscrew the slotted hex screw.
3. Place a true U.S. 25¢ coin in the mechanism. Turn the diameter adjustment (Fig. 4) clockwise until the coin falls into the cradle. The cradle should tipple and the coin come to rest on the side of the magnet. Turn the slotted hex screw clockwise until the coin just clears the magnet. Give this screw a further  $\frac{1}{2}$  turn clockwise for optimum clearance and tighten the locknut.

## Base Plate Assembly for Coin Doors and Front Plates



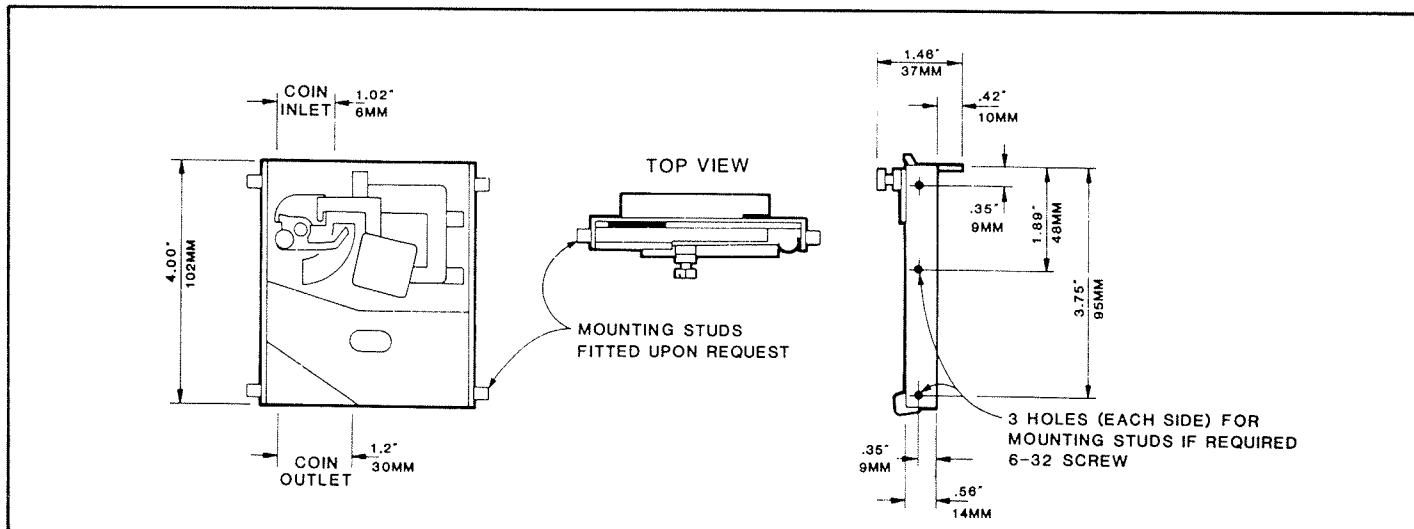
Part Number	Description
12-4150-01	Gold Mech Acceptor
90-1000-00	Keyhook Bezel Screw
90-1007-00	Flat Head Microswitch Mounting Screw
90-1008-00	Pan Head Microswitch Mounting Screw
90-1016-00	CPJS/Bezel Screw
90-1030-00	Mounting Screw for Gold Mech
90-1032-00	Bezel/Hinge Screw PZ
90-1109-00	Lock Washer for Microswitch Assembly
90-1207-00	Nut for Microswitch Mounting Screw
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 U.S. 25¢
91-1109-16	Reject Flap
91-1110-00	Metal Switch Adjuster
91-1113-01	Entry/Reject Button U.S. 25¢
91-1116-10	Microswitch (Red End Arm)
91-1117-00	Lampholder
91-1118-00	GV Wedge Base Lamp
91-1120-00	Lockout Spring
91-1121-00	Button Spring
91-1125-00	Clear Plastic Cover for Microswitch
91-1141-00	Base Plate w/Pivot Coil
91-1145-00	12 V DC Lockout Coil
91-1311-16	Black Nylon Button Bezel
91-1312-16	Black Nylon Reject Bezel

## **Gold Mech** **Engineering Data and Parts List**



### PARTS LIST

90-1030-00	Retaining Screw (#6-32" x .250")	91-3009-00	Gate	91-3023-00	Locknut-Magnet Holder
91-1036-00	Mounting Stud	91-3011-00	Cradle	91-3024-00	Screw-Magnet Holder
91-3001-00	Back Plate	91-3013-00	Magnet Holder with Magnet	91-3025-00	Screw Separator
91-3002-00	Reject Lever	91-3016-00	Gate Spring	91-3026-00	Washer
91-3003-00	Reject Lever Spring	91-3017-00	Gate Pin	91-3028-00	Cotter Pin for Anti-Stringing Device
91-3006-00	Cover Plate	91-3019-00	Separator	91-3029-00	E-Clip for Cradle
91-3008-00	Anti-Stringing Device	91-3022-00	Diameter Adjustment		



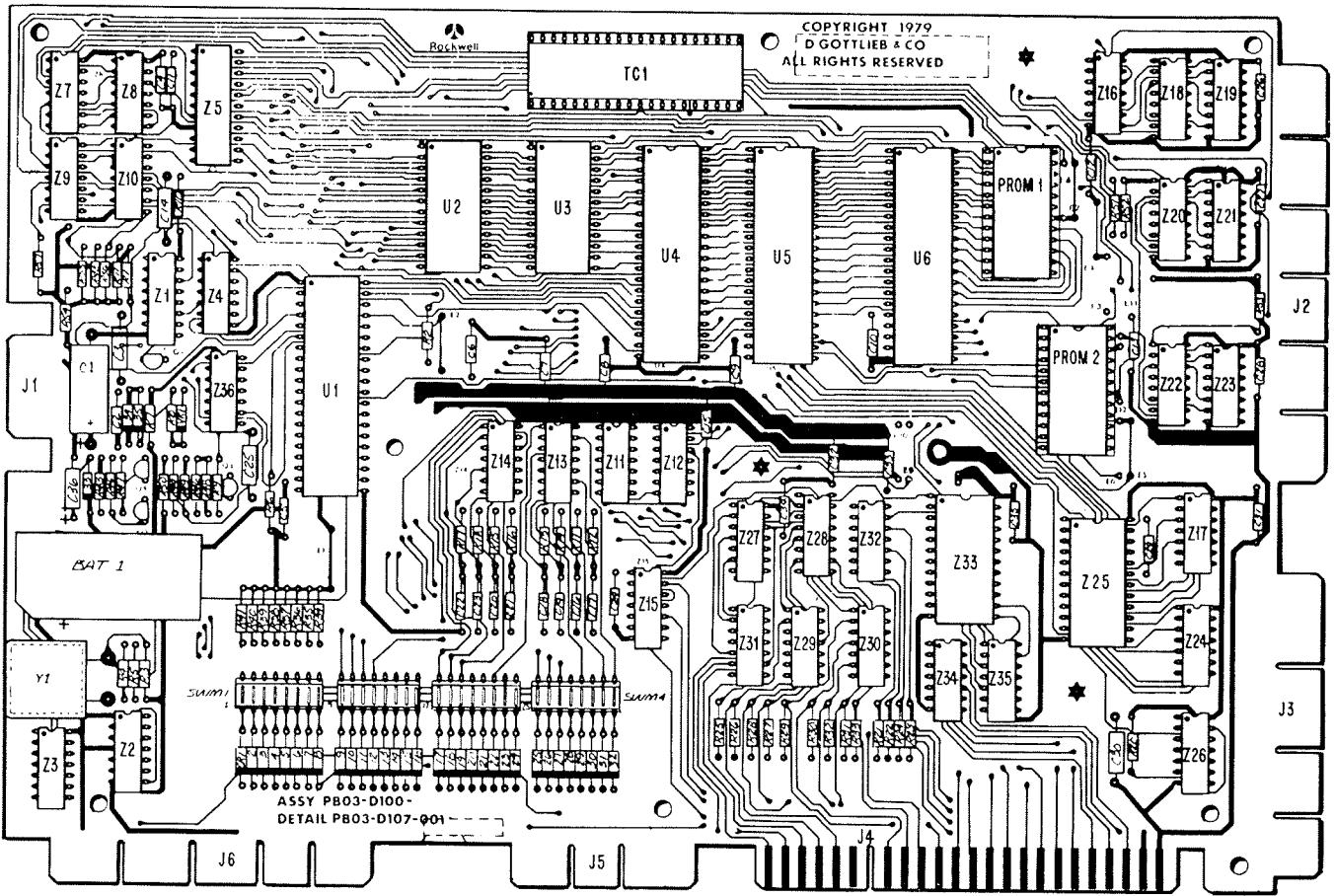
## SECTION II PRINTED CIRCUIT BOARDS

Premier  
Technology

### TABLE OF CONTENTS

	PAGE
CONTROL BOARD (A1), MA-291 . . . . .	48
CONTROL BOARD (A1), MA-774 . . . . .	49
CONTROL BOARD (A1), PIGGYBACK, MA-689 . . . . .	50
RESET BOARD (A24), MA-164 . . . . .	50
DRIVER BOARD (A3), MA-295 . . . . .	51
SOUND/SPEECH BOARD (A6), MA-216 . . . . .	52
SOUND BOARD ASSY. (A6), MA-309 . . . . .	53
SOUND/SPEECH POWER SUPPLY (A7), MA-188 . . . . .	54
POP BUMPER DRIVER BOARD (A8), A-19741 . . . . .	54
SOUND BOARD (A6), MA-490 . . . . .	55
SOUND BOARD (A6), MA-766 . . . . .	56
AUXILIARY POWER SUPPLY (A5), MA-767 . . . . .	57
4 DIGIT DISPLAY (A5), MA-115 . . . . .	58
6 DIGIT DISPLAY (A4), MA-116 . . . . .	58
7 DIGIT DISPLAY (A14), MA-238 . . . . .	59
ALPHANUMERIC DISPLAY BOARD (A4), MA-644 . . . . .	60
POWER SUPPLY (A2), MA-645, MA-831 . . . . .	61
POWER SUPPLY (A2), MA-114 . . . . .	62
AUXILIARY LAMP DRIVER BOARD (A11), (GENERIC VERSION, REFER TO GAME) . . . . .	63
AUXILIARY LAMP DRIVER (A11), MA-866 . . . . .	63
AUXILIARY LAMP DRIVER BOARD (A12, MA-138) . . . . .	64
DIODE BOARD ASSEMBLY . . . . .	64

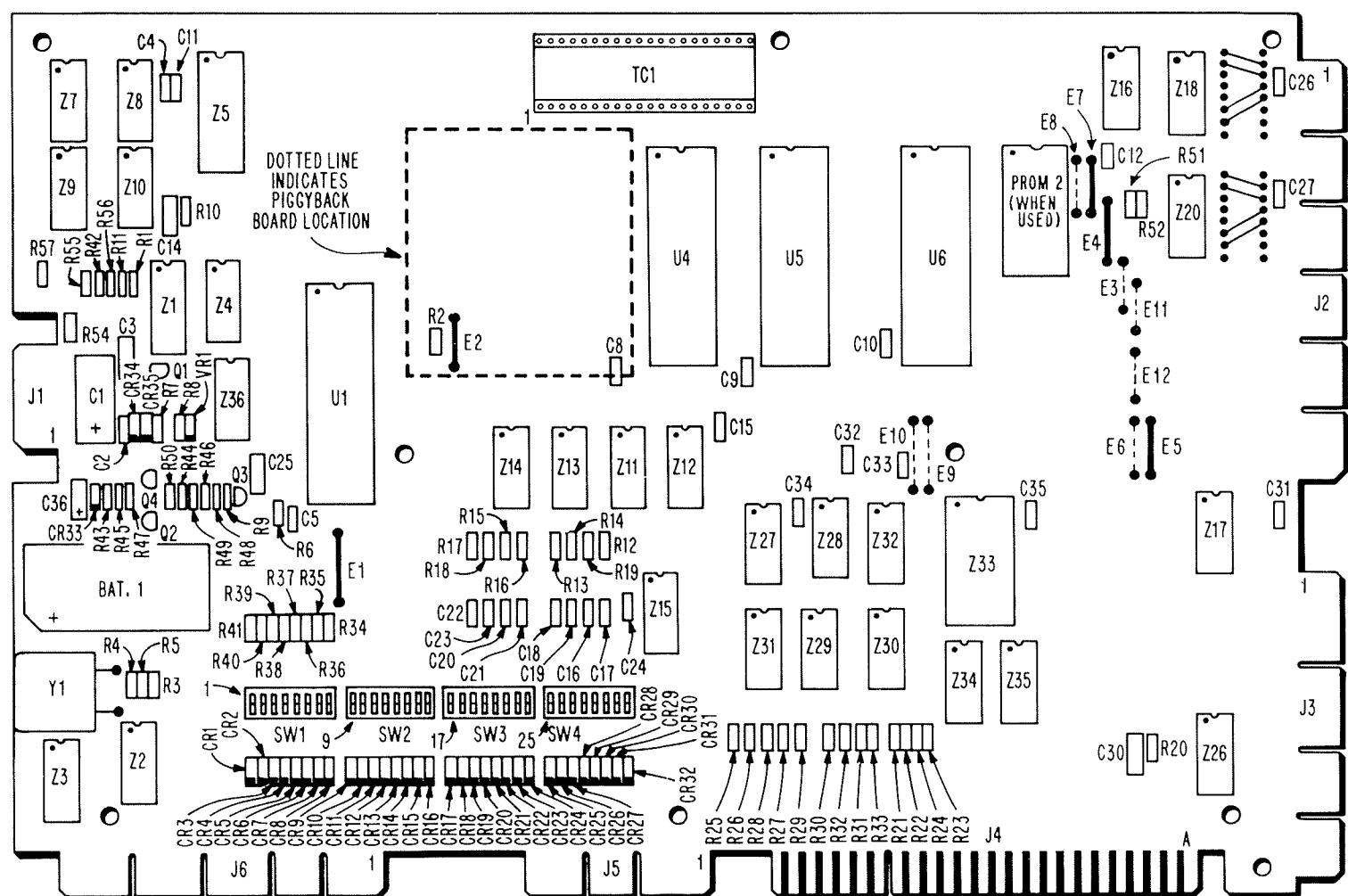
## **CONTROL BOARD (A1)**



# **CONTROL BOARD (A1) PARTS LIST**

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
Bat. 1	CONTROL BOARD	MA-291	U3	ROM	XO-362
C1	Battery-3.6V 326R10-002	XO-458	U4, U5, U6	PRIOT R6532-18	XO-361
C2, C4-C13	Capacitor, 100 mfd., 10V	XO-211	VR1	Diode-3.0V, 5% IN5225B or 1N5987B	XO-269
C15-C24, C26-C29, C31-C35	Capacitor, .01 mfd., 50V	XO-229	Y1	Crystal, 3.579545 MHZ	XO-456
C3, C14, C25-C30	Capacitor, 1 mfd., 50V	XO-230	Z1	IC-Cmos-Dual 1 Shot SCL4528BE	XO-414
C36	10 mfd., 10V, TNT-AX CAP	XO-209	Z2	IC-Dual Flip Flop SN7474N	XO-423
CRI-CR35	Diode, GP IN4148	XO-261	Z3, Z11, Z12, Z16, Z17, Z24, Z26, Z27, Z34, Z35	IC-Hex Inverter SN7404N	XO-402
Q1, Q4	Transistor-PNP MPS-A70	XO-309	Z4	IC-Cmos-Quad 2 Input "And" SCL4081BE	XO-401
Q2, Q3	Transistor, NPN (Motorola) 2N4400	XO-313	Z5	IC-Static Ram S5101-L	XO-356
R1, R6, R11-R24, R42, R45, R46, R48, R51-R57	Resistor, 30K ohm, 5%, 1/4W	XO-23	Z7	IC-Hex Inverter SN74LS04N	XO-418
R2, R34-R41	Resistor, 4.7K ohm, 5%, 1/4W	XO-7	Z8	IC-2 Input "Nor" SN7402N	XO-418
R3, R43, R49	Resistor, 5.6K ohm, 5%, 1/4W	XO-19	Z9, Z13, Z14	IC-2 Input "Nand" SN7400N	XO-420
R4, R5, R44	Resistor, 2.0K ohm, 5%, 1/4W	XO-14	Z10	IC-Open Collector Inverter SN74LS05N	XO-411
R7	Resistor, 6.2 ohm, 5%, 1/4W	XO-3	Z15	IC-2 Input "Or" SN7432N	XO-407
R8, R50	Resistor, 180 ohm, 5%, 1/4W	XO-24	Z18, Z20, Z22	IC-“D” Flip Flop SN74175N	XO-410
R9	Resistor, 1K ohm, 5%, 1/4W	XO-5	Z19, Z21, Z23	IC-4 to 7 Decoder SN7448N	XO-408
R10	Resistor, 2.7M ohm, 5%, 1/4W	XO-13	Z25, Z33	IC-4-16 Decoder SN74154N	XO-409
R25-R33	Resistor, 620 ohm, 5%, 1/4W	XO-4	Z28	IC-2 to 4 Decoder SN74LS139N	XO-419
R47	Resistor, 24K ohm, 5%, 1/4W	XO-10	Z29, Z30	IC-Hex Inverter—OC/HV SN7416N	XO-405
SW1-SW4	Dip Switch 1008-692	XO-505	Z31	IC-2 Input "And" SN7408N	XO-404
TC1	Socket, 40 Pin 640379-3	XO-530	Z32	IC-Hex Buffer—OC SN7417N	XO-406
UI	CPU R6502-13	XO-360	Z36	IC-Cmos SCL4069B	XO-424
U2	ROM	XO-363		Socket 24 Pin 640361-3	XO-529

# CONTROL BOARD (A1)



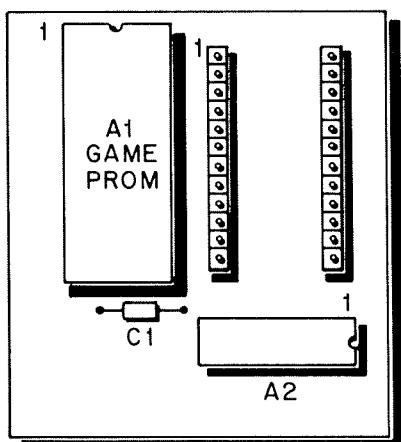
## CONTROL BOARD (A1) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
Bat 1	CONTROL BOARD	*MA-774	R47	Resistor, 24K ohm, 5%, 1/4W	XO-10
C1	Battery-3.6V 326R10-002	XO-458	SW1-SW4	Dip Switch 1008-692	XO-505
C2, C4, C5, C8-C12, C15-C24, C26, C27, C31-C35	Capacitor. 100 mfd, 10V	XO-211	TC1	Socket, 40 Pin 640379-3	XO-530
C3, C14, C25, C30	Capacitor. .01 mfd, 50V	XO-229	U1	CPU R6502 P	XO-360
C36	10 mfd, 10V, TNT-AX CAP	XO-230	U4, U5, U6	PRIOT R6532 P	XO-361
CR1-CR35	Diode, GP IN4148	XO-209	VR1	Diode-3.0V, 5% IN5225B or IN5987B	XO-269
O1, O4	Transistor-PNP MPS-A70	XO-261	Y1	Crystal, 3.579545 MHZ	XO-456
O2, O3	Transistor. NPN (Motorola) 2N4400	XO-309	Z1	IC-Cmos-Dual 1 Shot SCL4528BE	XO-414
R1, R6	Resistor, 3.0K ohm, 5%, 1/4W	XO-313	Z2	IC-Dual Flip Flop SN7474N	XO-423
R11-R24		XO-23	Z3, Z11, Z12, Z16, Z17, Z26, Z27, Z34, Z35	IC-Hex Inverter SN7404N	XO-402
R42, R45, R46, R48, R51, R52, R54-R57			Z4	IC-Cmos-Quad 2 Input "And" SCL4081BE	XO-401
R2, R34-R41	Resistor, 4.7K ohm, 5%, 1/4W	XO-7	Z5	IC-Static Ram SS101-L	XO-356
R3, R43, R49	Resistor, 5.6K ohm, 5%, 1/4W	XO-19	Z7	IC-Hex Inverter SN74LS04N	XO-418
R4, R5, R44	Resistor, 2.0K ohm, 5%, 1/4W	XO-14	Z8	IC-2 Input "Nor" SN7402N	XO-421
R7	Resistor, 62 ohm, 5%, 1/4W	XO-3	Z9, Z13, Z14	IC-2 Input "Nand" SN7400N	XO-420
R8, R50	Resistor, 180 ohm, 5%, 1/4W	XO-24	Z10	IC-Open Collector Inverter SN74LS05N	XO-411
R9	Resistor, 1K ohm, 5%, 1/4W	XO-5	Z15	IC-2 Input "Or" SN7432N	XO-407
R10	Resistor, 2.7M ohm, 5%, 1/4W	XO-13	Z18, Z20	IC-"D" Flip Flop SN74175N	XO-410
R25-R33	Resistor, 620 ohm, 5%, 1/4W	XO-4	Z33	IC-4-16 Decoder SN74154N	XO-409

\*CONTROL BOARD (A1), MA-647 IS DIRECTLY REPLACED WITH MA-774.

CONTROL BOARD (A1), PIGGYBACK MA689

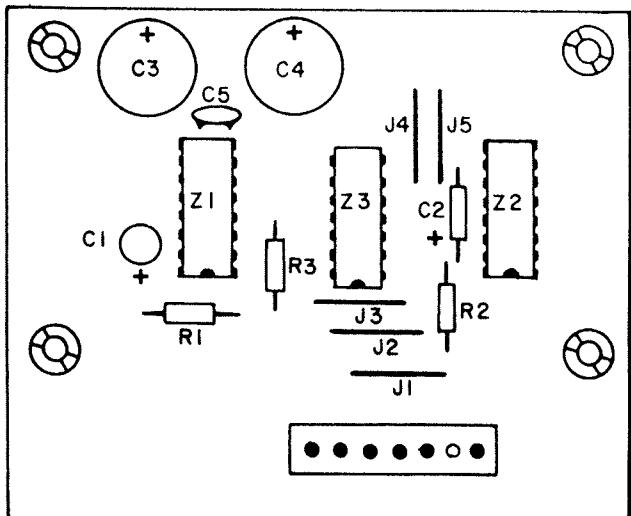
## CONTROL BOARD (A1), PIGGYBACK



## CONTROL BOARD (A1), PIGGYBACK PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
A1	Control Board (A1), Piggyback	MA-689
A2	Game Prom, 2764	XO-489
C1	IC, 7404 Inverter	XO-402
	Capacitor, .01UF, +80% -20%, 50V	XO-229
	Socket, 28 Pin	XO-536

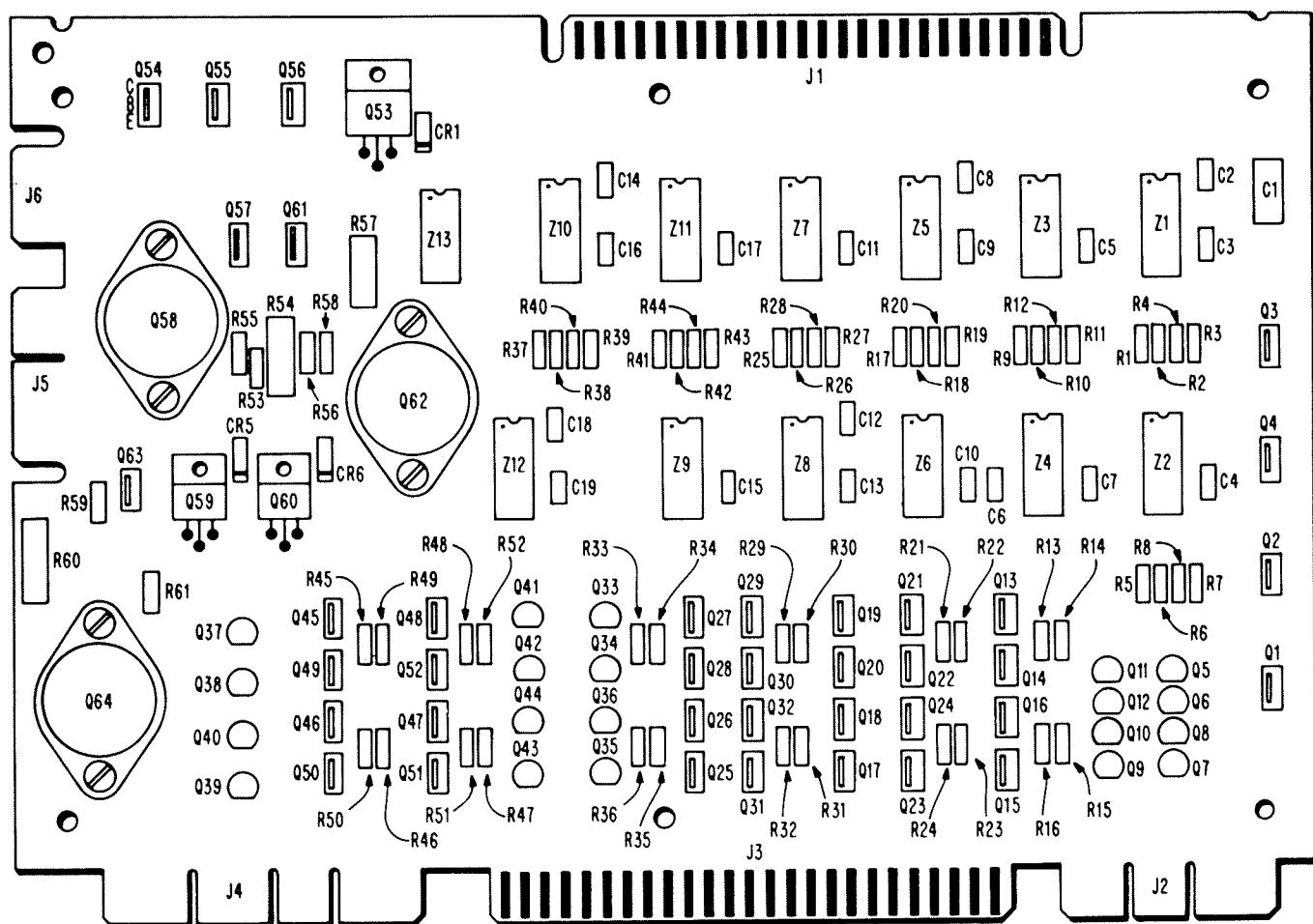
## RESET BOARD (A24)



## RESET BOARD (A24) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
R1, R2	RESET BOARD	MA-164
R3	Resistor 33K ohm, 5%, 1/4W.	XO-43
C1	Resistor 24K ohm, 5%, 1/4W.	XO-10
C2	Capacitor 47 $\mu$ fd., 10V.	XO-227
C3, C4	Capacitor 4.7 $\mu$ fd., 10V.	XO-226
C5	Capacitor 470 $\mu$ fd., 16V.	XO-214
Z1, Z2	Capacitor .01 $\mu$ fd.	XO-202
Z3	IC 74123N	XO-398
	IC 74LS00N	XO-427
	7 Pin Connector	XO-526
A24P2/A24J2	Cable Assembly	MA-796

## DRIVER BOARD (A3)



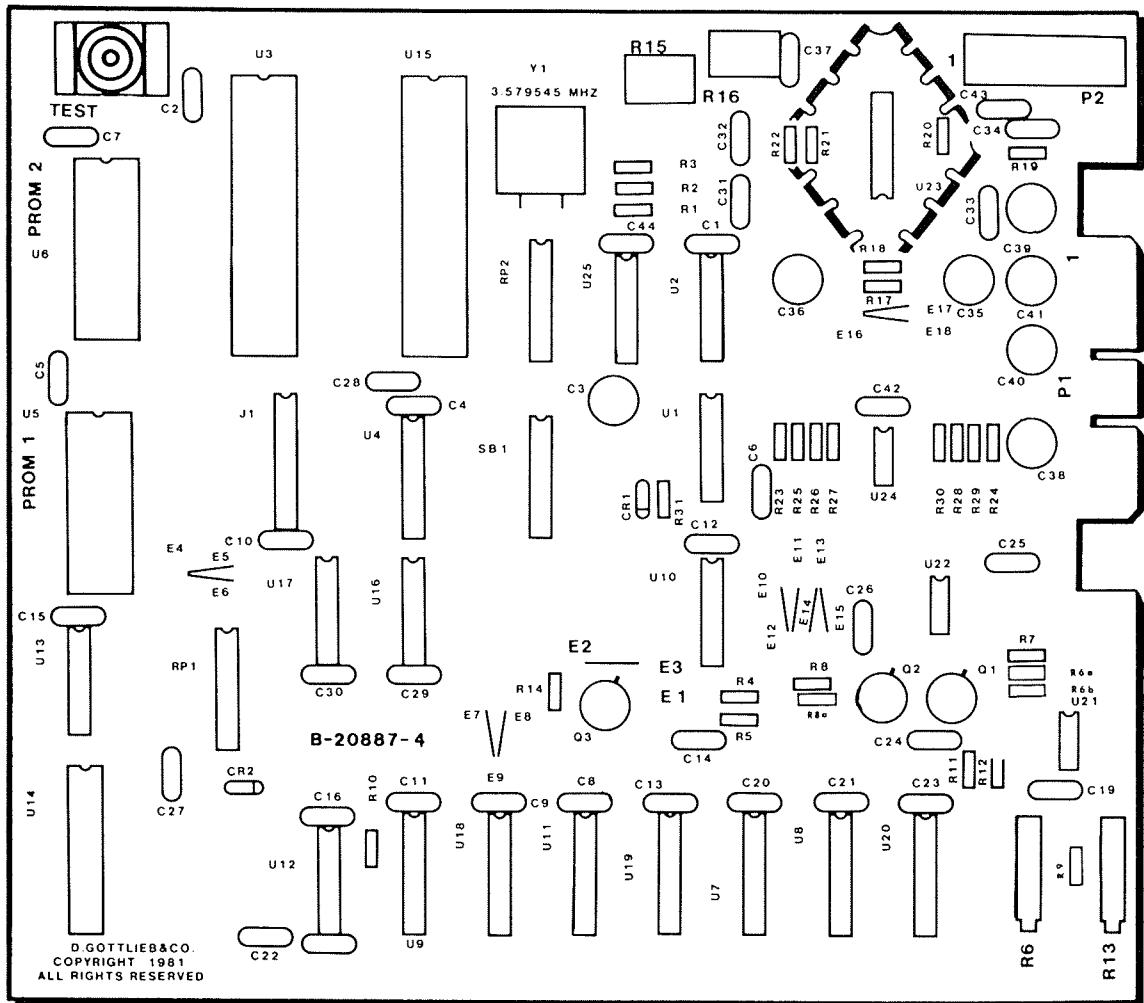
### DRIVER BOARD (A3) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
C1	DRIVER BOARD	MA-295
C2-C19	Capacitor, .10 mfd, 10V Tantalum	XO-209
CR1-CR6	Capacitor, .01 mfd, 50V Ceramic	XO-229
R1-R53, R61.	Diode—Silicon IN4148	XO-261
R55, R56, R58, R59	Resistor 10K ohm, 5%, 1/4W	XO-5
R54, R57, R60	Resistor, 91 ohm, 5%, 1W	XO-158
Q1-Q4, Q13-Q16	Transistor, NPN, Darlington MPS-U45	XO-306
Q32, Q45-Q52,		
Q54-Q57, Q61, Q63		
Q5-Q12, Q33-Q44	Transistor, NPN, Darlington MPS-A13	XO-304
Q53, Q59, Q60	Transistor, NPN, Darlington 2N6043	XO-303
Q58, Q62, Q64	Transistor, NPN, 2N3055	XO-301
Z1-Z12	IC-Quad "D" Latch Flip Flop SN74175N	XO-410
Z13	IC-Hex Inverter SN7404N	XO-402
	Insulator-Thermalloy 43-03-4	XO-512

NOTE:

- JUMPER WIRES REPLACED DIODES CR2, CR3 AND CR4 FOR SYSTEM 80A AND 80B GAMES.
- TRANSISTOR TYPES MPS-U45 AND NDS-U45 ARE INTERCHANGEABLE.

## SOUND/SPEECH BOARD (A6)

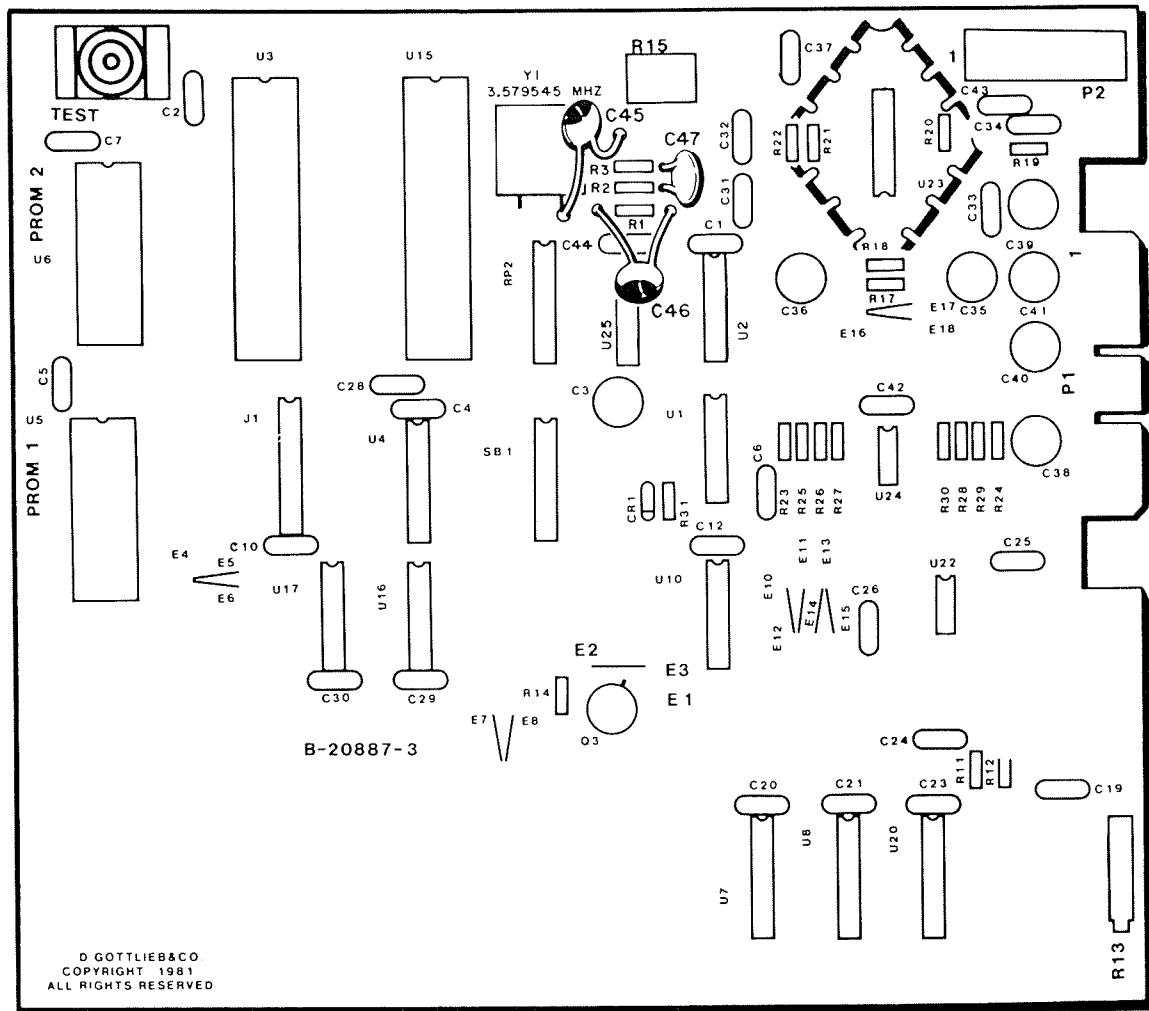


## SOUND/SPEECH BOARD (A6) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
C1, C2, C4-C13, C15, C16 C19, C20 C21, C23 C25, C26 C28-C30 C33, C42, C44 C31-C32	Sound/Speech Assembly Capacitor, 0.1UF, 25V	XO-248	R15, R16 R18, R21 R22 R31 RP1, RP2	Potentiometer, 10K ohm Resistor, 100K ohm, 5%, $\frac{1}{2}$ W Resistor, 2K ohm 5%, $\frac{1}{2}$ W Resistor, 3.3K ohm, 5%, $\frac{1}{2}$ W Resistor, Dip	XO-109 XO-45 XO-14 XO-38 XO-168
C37	Capacitor, .047UF, 25V	XO-222	U2	Switch, Momentary Pushbutton	XO-505
C3, C38-C41	Capacitor, 4.7UF, 35V	XO-291	U3	IC, 7414	XO-397
C14, C24	Capacitor, 47UF, 50V	XO-210	U4	IC, SN74LS74N	XO-434
C22	Capacitor, 100PF	XO-223	U5, U6	IC, R6502-13	XO-360
C27	Capacitor, 300PF	XO-283	U7-U9, U11, U18	IC, SN74LS138N	XO-437
C36	Capacitor, 1UF, 50V	XO-217	U10	IC, PR-53	
CR1	Capacitor, 470UF, 35V	XO-284	U12	IC, SN74LS75	XO-394
CR2	Diode, 1N4148	XO-261	U13	IC, SN74LS02N	XO-428
Q1, Q3	Diode, Zener, 1N5225B	XO-269	U14	IC, SN7407N	XO-384
Q2	Transistor, NPN, 2N2222A	XO-320	U15	IC, Inverter, SN74LS05N	XO-411
R1, R4, R5 R11, R12	Transistor, PNP, 2N2907A	XO-321	U16	Voice Chip, SC01	XO-468
R2, R3	Resistor, 5.6K ohm, 5%, $\frac{1}{2}$ W	XO-19	U17	RIOT, R6532-18	XO-361
R6, R13	Resistor, 2K ohm, 5%, $\frac{1}{2}$ W	XO-14	U18	IC, SN74LS04N	XO-418
R6A, R7, R23-R30	Potentiometer, 10K ohm	XO-108	U19, U20	IC, SN74LS30N	XO-432
R8, R8A, R14	Resistor, 10K ohm, 5%, $\frac{1}{2}$ W	XO-18	U21, U22	Converter, PMI, 1408A-6P	XO-416
R6B	Resistor, 1K ohm, 5%, $\frac{1}{2}$ W	XO-5	U23	IC, LM741CP	XO-393
R9	Resistor, 1.8K ohm, 5%, $\frac{1}{2}$ W	Y1	U24	IC, LM379S	XO-395
R10	Resistor, 2.2K ohm, 5%, $\frac{1}{2}$ W	XO-37	U25	IC, Dual Comparitor, LM393	XO-396
	Resistor, 1.5K ohm, 5%, $\frac{1}{2}$ W	XO-27		Inverter, 7404	XO-402
		XO-20		Crystal, 3.579545MHZ	XO-456
				Socket 22 Pin Dip	XO-467
				Socket 24 Pin (2)	XO-529
				Socket 40 Pin (2)	XO-530

# SOUND BOARD ASSY. (A6)

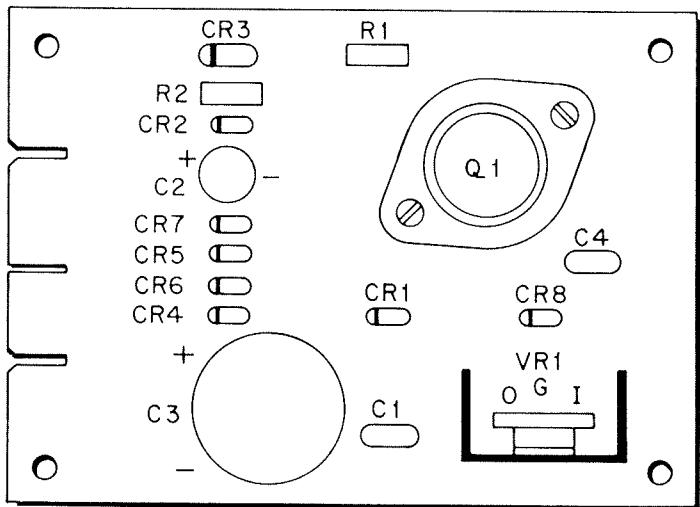
Premier  
Technology



## SOUND BOARD ASSY. (A6), PARTS LIST

REFERENCE	DESCRIPTION	PART NO.
C1, C2	Sound Board Assembly	MA-309
C4-C7, C10	Capacitor, 0.1UF, 25V	XO-248
C12, C20, C21		
C23, C25, C26		
C28, C29, C30		
C33, C42, C44		
C31, C32	Capacitor, .047UF, 25V	XO-222
C37	Capacitor, 4.7UF, 35V	XO-291
C3, C38-C41	Capacitor, 47UF, 50V	XO-210
C24	Capacitor, 100PF	XO-223
C36	Capacitor, 470UF, 35V	XO-284
C45, C46	Capacitor, 33PF	XO-277
C47	Capacitor, .01UF, 100V	XO-202
CR1	Diode, IN4148	XO-261
R1, R11, R12	Resistor, 5.6K ohm, 5%, 1/4W	XO-19
R2, R3	Resistor, 2K ohm, 5%, 1/4W	XO-14
R13	Potentiometer, 10K ohm	XO-108
R23-R30	Resistor, 10K ohm, 5%, 1/4W	XO-18
R15	Potentiometer, 10K ohm	XO-109
R18, R21	Resistor, 100K ohm, 5%, 1/4W	XO-45
R22	Resistor, 2K ohm, 5%, 1/4W	XO-14
R31	Resistor, 68K ohm, 5%, 1/4W	XO-189
RP2	Resistor, DIP	XO-168
SB1	Switch, DIP	XO-505
SW1	Switch, Momentary Pushbutton	XO-515
U1	IC, 7414	XO-397
U2	IC, SN74LS74N	XO-434
U3	CPU, R6502-13	XO-360
U4	IC, SN74LS138N	XO-437
U5, U6	EPROM, 2716	PR-53
U7	IC, SN74LS75	XO-394
U10	IC, SN74LS02N	XO-428
U15	RRIOT, R6532-18	XO-361
U16	IC, SN74LS04N	XO-418
U17	IC, SN74LS30N	XO-432
U20	Converter, PWI, 1408A-6P	XO-416
U22	IC, LM741CP	XO-393
U23	IC, LM379S	XO-395
U24	IC, Dual Comparitor, LM193	XO-396
U25	Inverter, 7404	XO-402
Y1	Crystal, 3.579545MHZ	XO-456
	Socket, 22 Pin DIP	XO-467
	Socket, 24 Pin (2)	XO-529
	Socket, 40 Pin (2)	XO-530

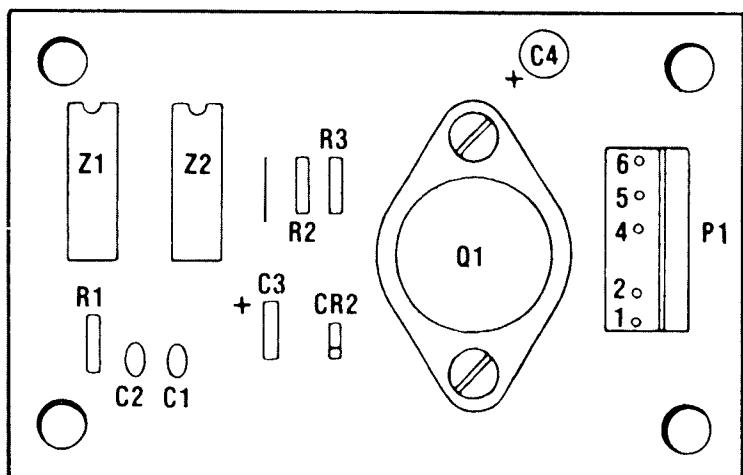
## SOUND/SPEECH POWER SUPPLY (A7)



## SOUND/SPEECH POWER SUPPLY (A7) PARTS LIST

REFERENCE	DESCRIPTION	PART NO.
C1	Power Supply Assembly	MA-188
C2	Capacitor 0.1UF, 50V	XO-230
C3	Capacitor 4.7UF, 25V	XO-219
C4	Capacitor 2200 UF, 50V	XO-290
CR1	Capacitor 0.33 UF	XO-250
CR2	Diode, Zener 30V, 5%, 1W IN4751A	XO-271
CR3	Diode, Zener 12V, 5%, 1W IN4742A	XO-257
CR4, CR5, CR6, CR7, CR8	Diode 1N4720	XO-260
R1	Diode IN4004	XO-254
R2	Resistor 430 ohm, 5%, 1/2 Watt	XO-54
Q1	Resistor 100 ohm, 5%, 1/2 Watt	XO-52
VR1	Transistor, Darlington Pair PMD10K60	XO-311
	+12 Volt Voltage Regulator LM 340T-12	XO-473

## POP BUMPER DRIVER BOARD (A8)

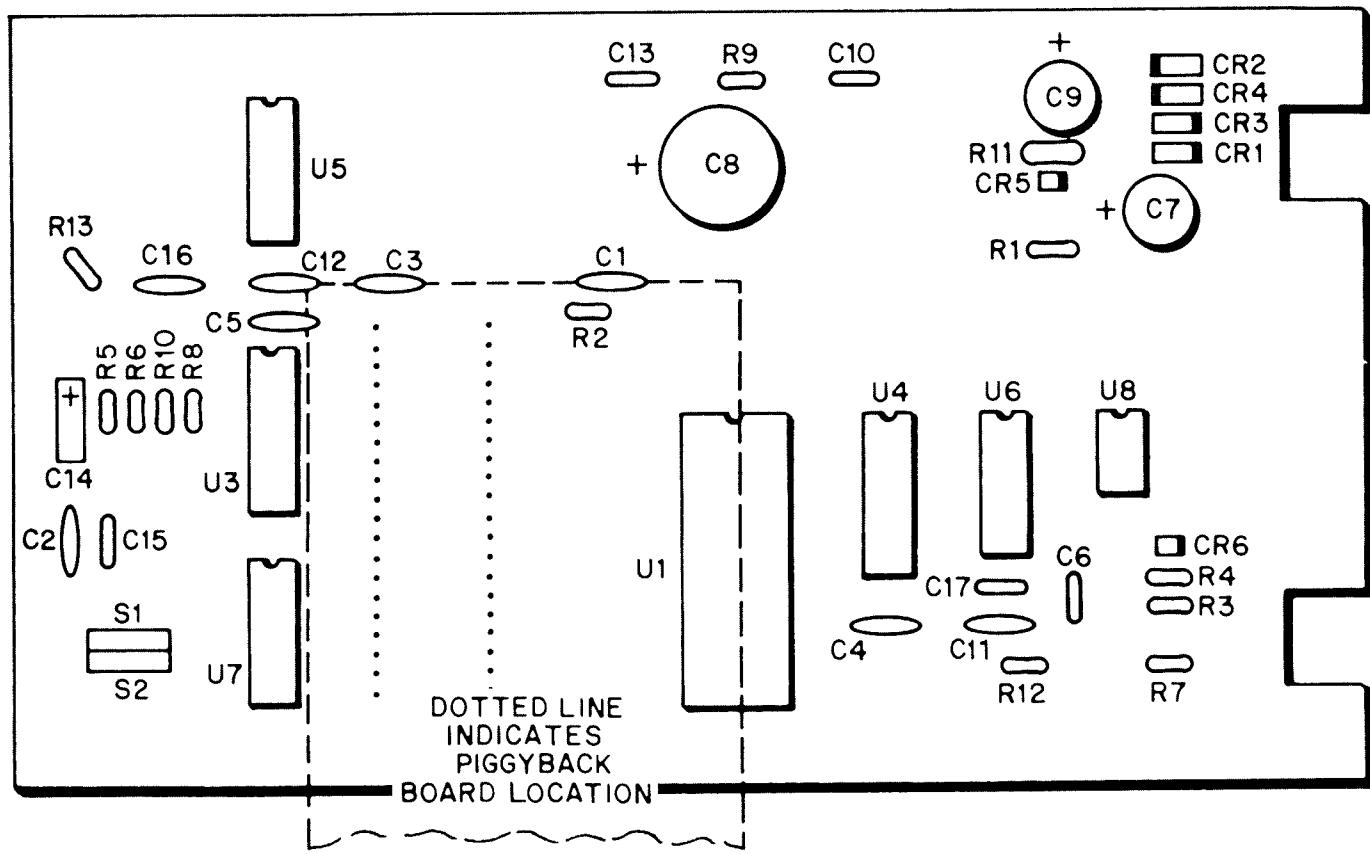


## POP BUMPER DRIVER BOARD (A8) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
C1, C2 C3	POP BUMPER DRIVER BOARD Capacitor, .01 mfd., 100V Capacitor, 4.7 mfd., 10%, 10V, Tantalum, Axial	A-19741 XO-202 XO-226
C4	Capacitor, 47 mfd., 10V	XO-227
CR2	Diode IN4148	XO-261
P1	Connector 09-65-1061	XO-502
R1	Resistor, 1.5K ohm, 5%, 1/4W	XO-20
R2	Resistor, 12K ohm, 5%, 1/4W	XO-9
R3	Resistor, 220 ohm, 5% 1/4W	XO-21
Q1	Transistor-Lambda PMD10K60	XO-311X
Z1	IC SN7412IN	XO-417X
Z2	IC SN7416N	XO-405X

## SOUND BOARD (A6)

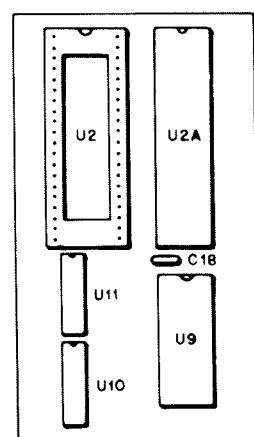
Premier  
Technology



## SOUND BOARD (A6) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
R1, R2, R7	Sound Board Assembly	MA-490	C8	Capacitor, 470UF, 25V	XO-220
R3	Resistor, 2.7K ohm, 5%, 1/4W	XO-6	C11	Capacitor, 10PF, 1000V, 5%	XO-221
R4	Resistor, 2.7M ohm, 5%, 1/4W	XO-13	C12	Capacitor, 100PF, 250V, 20%	XO-223
R5	Resistor, 1.8M ohm, 5%, 1/4W	XO-12	C14	Capacitor, 10UF, 25V	XO-225
R6	Resistor, 270K ohm, 5%, 1/4W	XO-602	C15	Capacitor, .047UF, 25V, 20%	XO-222
R8	Resistor, 10K ohm, 5%, 1/4W	XO-18	C16	Capacitor, .0033UF, 50V, 20%	XO-224
R9	Resistor, 5.6K ohm, 5%, 1/4W	XO-19	U1	IC, R6503	XO-357
R10	Resistor, 2.7 ohm, 5%, 1/4W	XO-16	U3	IC, 1408-6P	XO-416
R11	Resistor, 6.8K ohm, 5%, 1/4W	XO-8	U4	IC, HM7643-5	PR-51
R12	Resistor, 430 ohm, 5%, 1/2W	XO-54	U5	IC, LM380N	XO-632
R13	Resistor, 28K ohm, 1%, 1/4W	XO-711	U6, U7	IC, SN7404N	XO-402
C1-C5	Resistor, 7.5K ohm, 5%, 1/4W	XO-630	U8	IC, NE555P	XO-631
C6, C10,	Capacitor, .01UF, 100V, 20%	XO-202	CR1, CR4	Diode, 1N4004	XO-254
C13, C17	Capacitor, 0.1UF, 100V, 20%	XO-626	CR5	Diode, Zener 12V, 5%, 1W, 1N4742A	XO-257
C7, C9	Capacitor, 47UF, 25V	XO-219	CR6	Diode, 1N270	XO-265
			S1, S2	Switch, DIP	XO-516

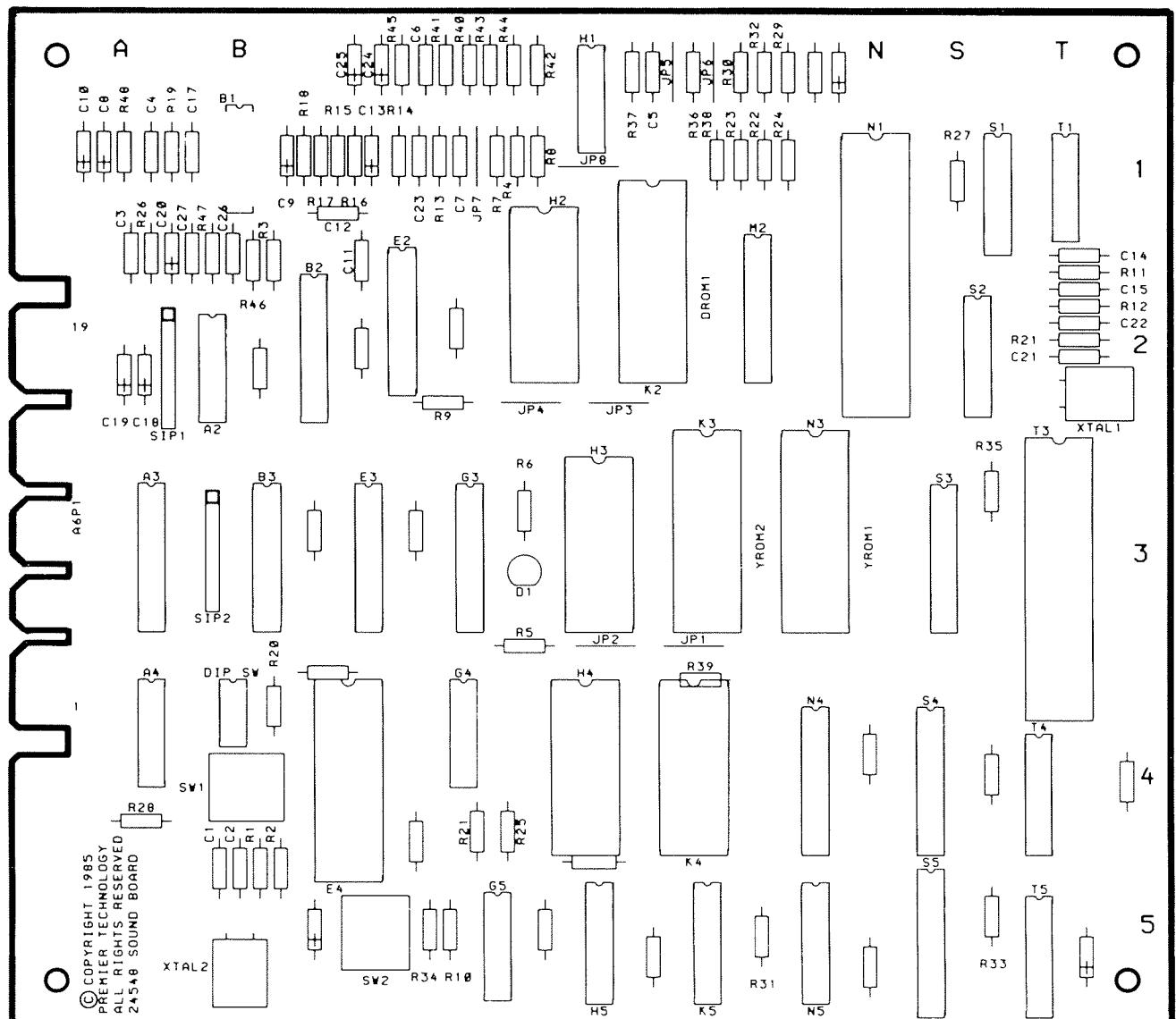
## PIGGYBACK BOARD COMPONENT LOCATION



## PIGGYBACK BOARD PARTS LIST

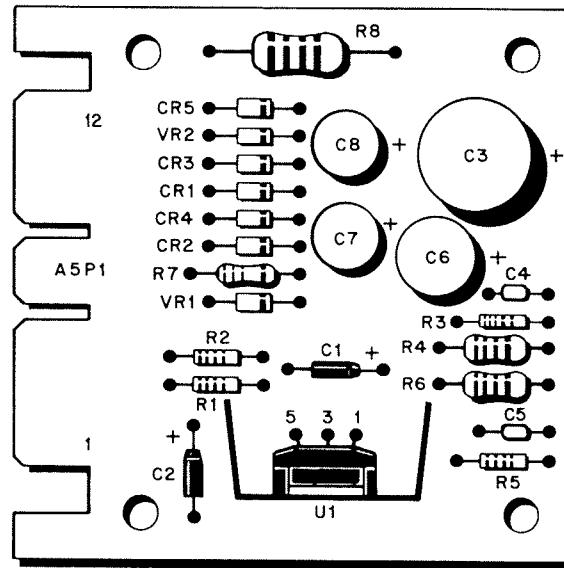
REFERENCE	DESCRIPTION	PART NUMBER
C18	Piggyback Board Assembly	P/O MA-490
U2A	Capacitor, .01UF, 100V, 20%	XO-202
U9	IC, R6530	XO-359
U10	IC, 2716 EPROM	PR-53
U11	IC, 74LS112	XO-629
	IC, 74LS260	XO-93
	Socket, 24 Pin	XO-529
	Socket, 40 Pin Wire Wrap	XO-710

## SOUND BOARD (A6)



## AUXILIARY POWER SUPPLY (A5)

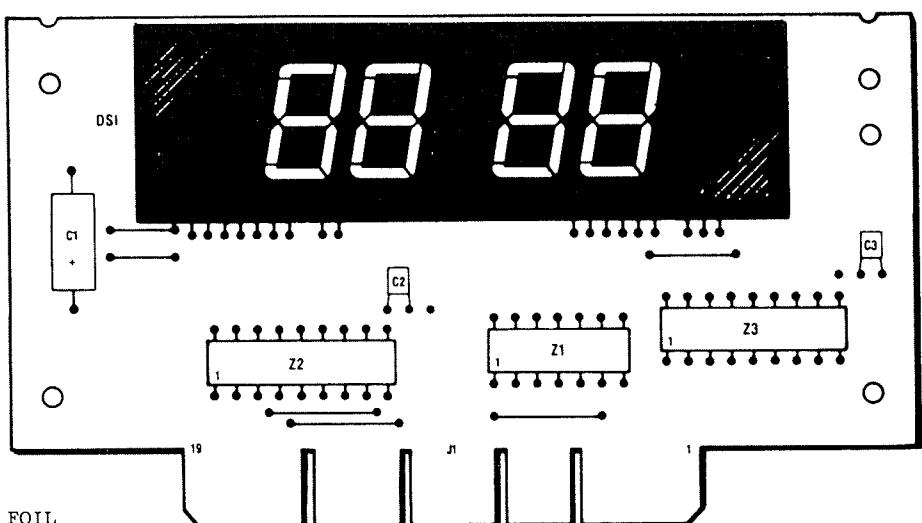
**Premier**  
Technology



### AUXILIARY POWER SUPPLY (A5) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
C1,C2	Auxiliary Power Supply Capacitor, 1UF, 10%, 35V, TANT	MA-767
C3	Capacitor, 1000UF, 25V	XO-715
C4	Capacitor, .01UF, +80% -20%, 50V	XO-874
C5	Capacitor, 0.1UF, +80% -20%, 50V	XO-229
C6	Capacitor, 470UF, 35V	XO-230
C7,C8	Capacitor, 47UF, 50V	XO-284
CR1-CR5	Diode, 1N4004	XO-210
R1	Resistor, 2.7K Ohm, 5%, 1/4W	XO-254
R2,R3	Resistor, 100 Ohm, 5%, 1/4W	XO-6
R4	Resistor, 220 Ohm, 5%, 1/2W	XO-28
R5	Resistor, 2.2 Ohm, 5%, 1/4W	XO-185
R6	Resistor, 1 Ohm, 5%, 1/2W	XO-595
R7	Resistor, 100 Ohm, 5%, 1/2W	XO-593
R8	Resistor, 1K Ohm, 5%, 2W	XO-52
U1	Audio Amplifier, LM2002	XO-627
VR1,VR2	Zener Diode, 1N4742A, 12V, +5%, 1W	XO-550
	Heat Sink	XO-257
		XO-472

## 4-DIGIT DISPLAY (A5)

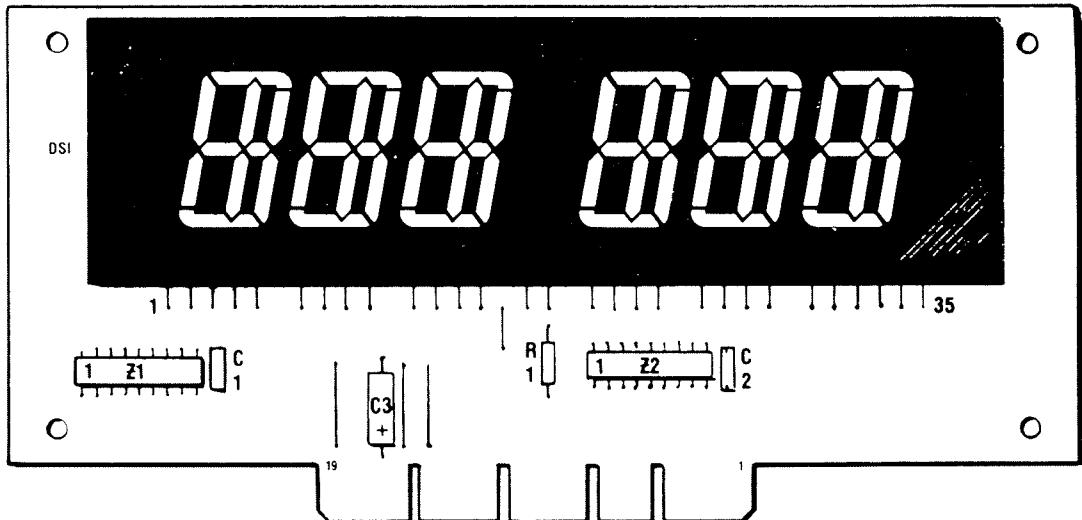


\*NOTE:  
R1 MOUNTED ON FOIL  
SIDE OF BOARD.

## 4-DIGIT DISPLAY (A5) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
C1	4 DIGIT DISPLAY	MA-115
C2, C3	Capacitor, 1 mfd., 100V Sprague TE1400	XO-206
DSI	Capacitor, .01 mfd., 100V Kemet C320C103MIR5CA	XO-202
* R1	4-Digit Display Tube-Futaba 4-LT-11	XO-455X
Z1	Resistor, 10K Ohm, 5%, 1/2W	XO-62
Z2, Z3	IC-Quad or Gate—T.I. SN7432N	XO-407
	IC-Fluorescent Display Driver—Sprague UDN6118A	XO-415

## 6-DIGIT DISPLAY (A4)

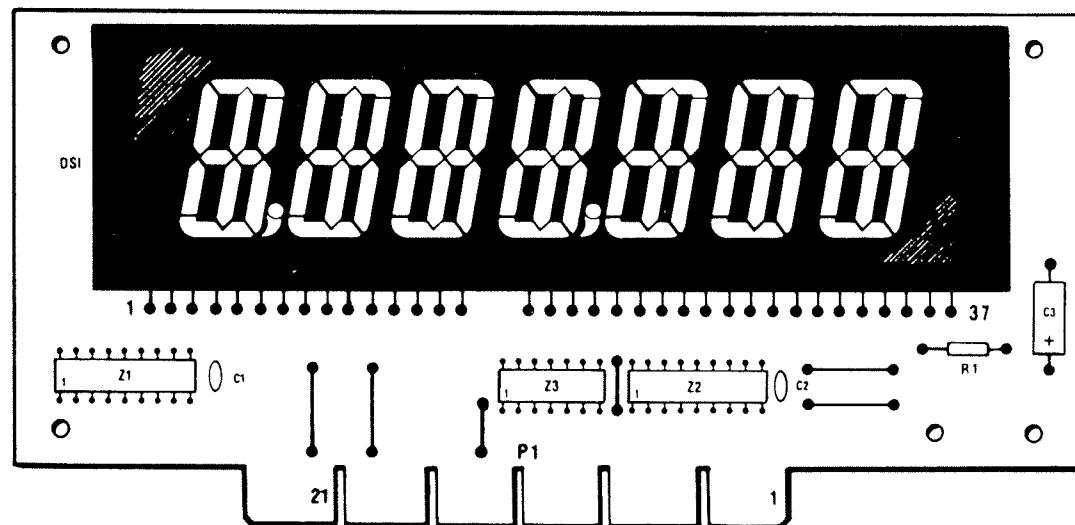


## 6-DIGIT DISPLAY (A4) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
C1, C2	6 DIGIT DISPLAY	MA-116
C3	Capacitor, .01 mfd., 100V Kemet C320C103MIR5CA	XO-202
DSI	Capacitor, 1 mfd., 100V Sprague TE1400	XO-206
R1	6-Digit Display Tube—Futaba 6-JS-01	XO-454X
Z1, ZC	Resistor, 10K ohm, 5% RC20GF103	XO-18
	IC-Fluorescent Display Driver—Sprague	XO-415X

## 7-DIGIT DISPLAY (A14)

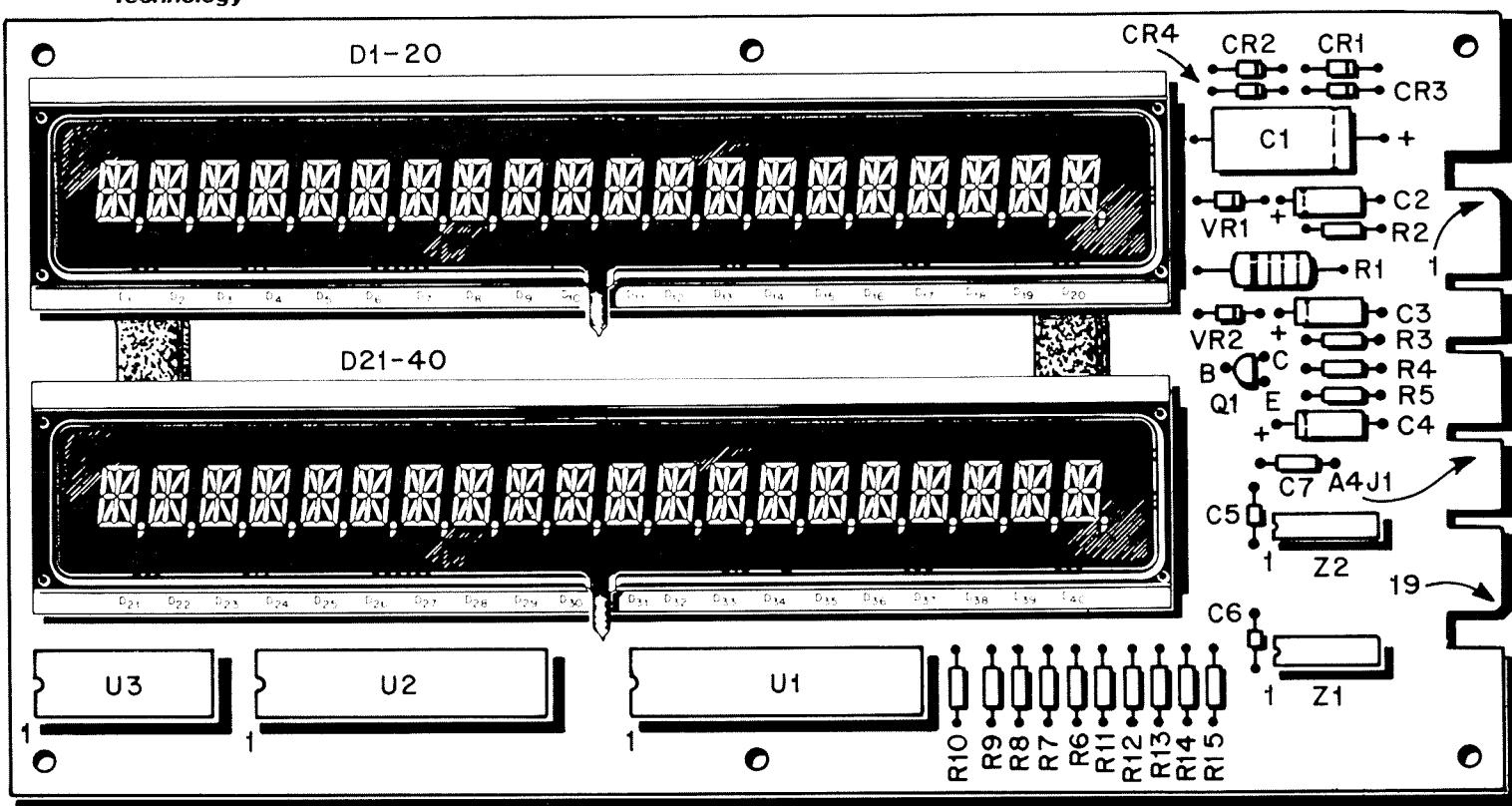
Premier  
Technology



### 7-DIGIT DISPLAY (A14) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
Z1, Z2	7 DIGIT DISPLAY	MA-238
C1, C2	Capacitor .01 mfd. 100V Kemet	XO-202
C3	Capacitor 1 mfd 100V Sprague	XO-206
DS1	7 Digit Display Tube - FUTABA	XO-477
R1	Resistor, 10K Ohm, 5%, 1/2W	XO-62
Z1, Z2	IC-Fluorescent Display Driver-Sprague	XO-415
Z3	1C Quad or Gate	XO-407

## ALPHANUMERIC DISPLAY (A4)



### DISPLAY BOARD (A4) PARTS LIST

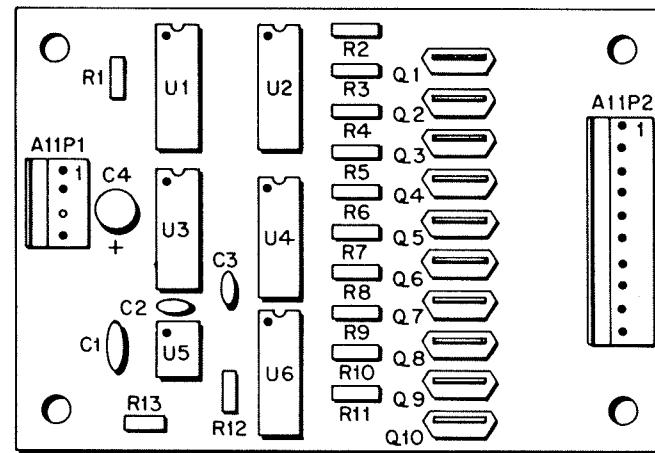
REFERENCE	DESCRIPTION	PART NUMBER
C1	Display Board (A4)	* MA-644
C2, C3, C4	Capacitor, 470UF, 50V	XO-847
C5, C6	Capacitor, 10UF, 16V	XO-846
**C7	Capacitor, .01UF, +80% -20%	XO-229
CR1-CR4	Capacitor, 0.1UF, 50V	XO-230
DS1, DS2	Diode, 1N4004	XO-254
Q1	Display, Alphanumeric	XO-840
R1	Transistor, PNP, 2N3906	XO-588
R2, R4	Resistor, 1K, 5%, 2W	XO-627
R3	Resistor, 10K, 5%, 1/4W	XO-18
R5	Resistor, 22K, 5%, 1/4W	XO-42
R6-R15	Resistor, 3K, 5%, 1/4W	XO-23
U1, U2	Resistor, 4.7K, 5%, 1/4W	XO-7
U3	IC, Digit Drivers, 10939	XO-841
VR1	IC, Segment Drivers, 10941	XO-842
VR2	Diode, Zener, 1N4737A, 7.5V	XO-844
Z1, Z2	Diode, Zener, 1N4744A, 15V	XO-843
	IC, Hex Buffer, 7417	XO-406
	Tape, Vinyl Foam	24127-1

\*\*C7 IS LOCATED ON THE NON-COMPONENT SIDE OF THE BOARD IN SOME INSTANCES.

\*SEE MODIFICATION PAGE ADDENDUM  
FOR ALTERNATE DISPLAY, MA-644F.

# AUXILIARY LAMP DRIVER BOARD (A11)

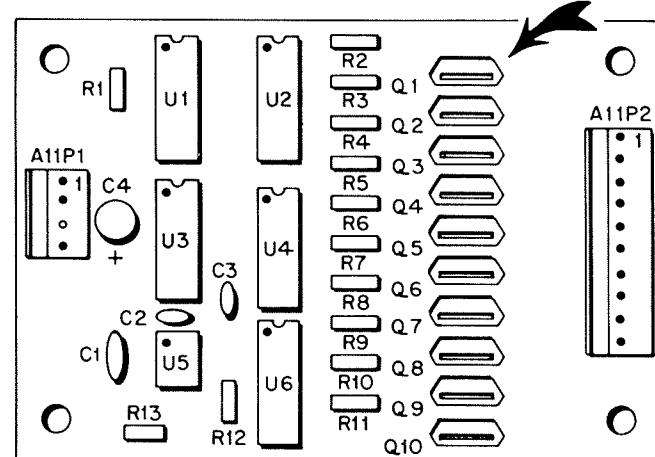
Premier  
Technology



## AUXILIARY LAMP DRIVER BOARD (A11) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
	AUXILIARY LAMP DRIVER ASSEMBLY	REFER TO GAME	R1, R12	RESISTOR, 3K OHM, 5%, 1/4 W	XO-23
C1	CAPACITOR, .1 MFD, 100V CERAMIC RADIAL LEAD	XO-626	R2-R11	RESISTOR, 12K OHM, 5%, 1/4W	XO-9
C2-C3	CAPACITOR, .01 MFD, 100V RADIAL LEAD	XO-202	R13	REFER TO GAME FOR VALUE	
C4	CAPACITOR, 47 MFD, 10V ELECTROLYTIC RADIAL LEAD	XO-227	U1	I.C. 2-INPUT NAND	XO-420
Q1-Q10	TRANSISTOR, NSD-U45 NPN DARLINGTON	XO-306	U2, U6	I.C. INVERTER	XO-403
			U3	I.C. DECADE COUNTER	XO-425
			U4	I.C. DECODER	XO-426
			U5	I.C. TIMER	XO-631
			P2	10 POS. CONNECTOR	XO-531
			P1	4 POS. CONNECTOR	XO-532

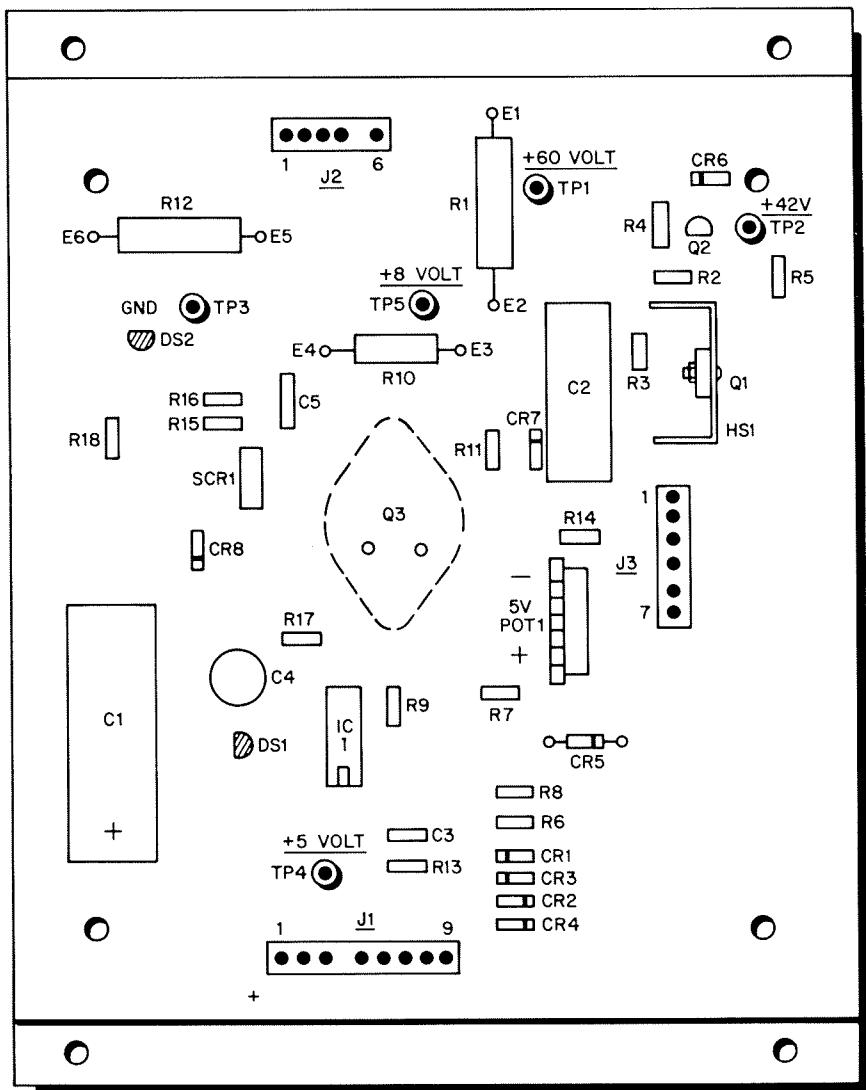
## AUXILIARY LAMP DRIVER BOARD (A11)



## AUXILIARY LAMP DRIVER BOARD (A11) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
	AUXILIARY LAMP DRIVER ASSEMBLY	MA-866	R1, R12	RESISTOR, 3K OHM, 5%, 1/4 W	XO-23
C1	CAPACITOR, .1 MFD, 100V CERAMIC RADIAL LEAD	XO-626	R2-R11	RESISTOR, 620 OHM, 5%, 1/4W	XO-4
C2-C3	CAPACITOR, .01 MFD, 100V RADIAL LEAD	XO-202	R13	RESISTOR, 680K OHM, 5%, 1/4W	XO-669
C4	CAPACITOR, 47 MFD, 10V ELECTROLYTIC RADIAL LEAD	XO-227	U1	I.C. 2-INPUT NAND	XO-420
Q1-Q10	TRANSISTOR, 2N6043 NPN DARLINGTON	XO-303	U2, U6	I.C. INVERTER	XO-403
			U3	I.C. DECADE COUNTER	XO-425
			U4	I.C. DECODER	XO-426
			U5	I.C. TIMER	XO-631
			P2	10 POS. CONNECTOR	XO-531
			P1	4 POS. CONNECTOR	XO-532

## **POWER SUPPLY (A2)**



## **POWER SUPPLY (A2) PARTS LIST**

REFERENCE	DESCRIPTION	PART NUMBER	REFERENCE	DESCRIPTION	PART NUMBER
C1	POWER SUPPLY BOARD	MA-114	R3	Resistor, 12K ohm, 5%, 1/2W	XO-63
C2	Capacitor, 470 mfd., 100V	XO-233	R4	Resistor, 33 ohm, 5%, 1W	XO-159
C3	Capacitor, 47 mfd., 100V	XO-231	R5	Resistor, 10K ohm, 5%, 1/2W	XO-62
C4	Capacitor, 1000 Picofarad, 50V	XO-232	R6, R13	Resistor, 510 ohm, 5%, 1/4W	XO-25
C5	Capacitor, .2 mfd., +80%, -20%, 16V	XO-205	R7	Resistor, 3.9K ohm, 5%, 1/4W	XO-39
CR1-CR4	Diode IN4004	XO-254	R8	Resistor, 10K ohm, 5%, 1/4W	XO-18
CR5	Diode Zener, 62V, 5%, 1W IN4759A	XO-267	R10	Resistor, 30 ohm, 5%, 2W	XO-155
CR6	Diode Zener, 18V, 5%, 1W IN4746A	XO-258	R11	Resistor, 2.2K ohm, 5%, 1/4W	XO-27
CR7	Diode Zener, 8.2V, 10%, 2W IN3445	XO-266	R12	Resistor, .33 ohm, 10%, 5W (wirewound)	XO-154
CR8	Diode Zener, 5.6V, 5%, 1W IN4734A	XO-255	R14	Resistor, 2K ohm, 5%, 1/4W	XO-14
DS1, DS2	Diode, Light Emitting CM4-22	XO-268	R15	Resistor, 100 ohm, 5%, 1/4W	XO-28
IC1	IC-14 Pin Dip UA723CN	XO-422	R16	Resistor, 20 ohm, 5%, 1/4W	XO-29
J1	Connector, 9 Pin, Molex	XO-527	R17	Resistor, 620 ohm, 5%, 1/2W	XO-66
J2	Connector, 6 Pin, Molex	XO-525	R18	Resistor, 180 ohm, 5%, 1/4W	XO-24
J3	Connector, 7 Pin, Molex	XO-526	SCR1	Silicon Controlled Rectifier SI07Y1	XO-451
POT1	Potentiometer, 500 ohm, CTS 115R501A	XO-101		Eyelet G52-3	XO-524
Q1	Transistor, NPN, SW4F013	XO-307		Heat Sink	XO-126
Q2	Transistor, NPN, 2N5550	XO-314		Insulator, INS-3	XO-522
Q3	Transistor, Darlington, 2N6057	XO-311		Insulator, DM 111	XO-523
R1	Resistor, 1.3K ohm, 10%, 5W	XO-156		Spacer — 6-32 Thread x 5/32	XO-518
R2, R9	Resistor, 1K ohm, 5%, 1/4W	XO-5		Spacer — 6-32 Thread x 1/8	XO-519

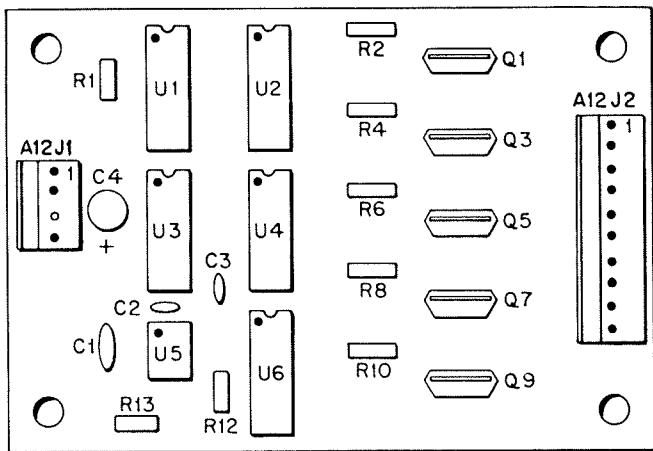
## SECTION III PLAYBOARD PARTS

Premier  
Technology

### TABLE OF CONTENTS

	PAGE(S)
<b>SYSTEM 80</b>	
VOLCANO, GAME #667 .....	SEPT. 1981..... 66,67
BLACK HOLE, GAME #668 .....	JAN. 1982..... 68-71
HAUNTED HOUSE, GAME #669 .....	JUNE 1982..... 72-75
<b>SYSTEM 80A</b>	
DEVIL'S DARE, GAME #670 .....	AUG. 1982..... 76,77
ROCKY, GAME #672 .....	SEPT. 1982..... 78,79
SPIRIT, GAME #673 .....	NOV. 1982..... 80,81
PUNK, GAME #674 .....	DEC. 1982..... 82,83
STRIKER, GAME #675 .....	JAN. 1983..... 84,85
Q*BERT'S QUEST, GAME #677 .....	MAR. 1983..... 86,87
SUPER ORBIT, GAME #680 .....	MAY 1983..... 88,89
ROYAL FLUSH DELUXE, GAME #681 .....	JUNE 1983..... 90,91
AMAZON HUNT, GAME #684 .....	SEPT. 1983..... 92,93
RACK 'EM UP, GAME #685 .....	NOV. 1983..... 94,95
READY AIM FIRE!, GAME #686 .....	NOV. 1983..... 96,97
JACKS TO OPEN, GAME #687 .....	MAY 1984..... 98,99
ALIEN STAR, GAME #689 .....	AUG. 1984..... 100,101
THE GAMES, GAME #691 .....	AUG. 1984..... 102,103
TOUCHDOWN, GAME #688 .....	FEB. 1985..... 104,105
EL DORADO, GAME #692 .....	MAR. 1985..... 106,107
ICE FEVER, GAME #695 .....	MAY 1985..... 108,109
<b>SYSTEM 80B</b>	
CHICAGO CUBS "TRIPLE PLAY", GAME #696 .....	JULY 1985..... 110,111
BOUNTY HUNTER, GAME #694 .....	SEPT. 1985..... 112,113
TAG TEAM, GAME #698 .....	OCT. 1985..... 114,115
ROCK, GAME #697 .....	JAN. 1986..... 116,117
ROCK ENCORE, GAME #704 .....	MAY 1986..... 116,117
RAVEN, GAME #702 .....	JUNE 1986..... 118,119
HOLLYWOOD HEAT, GAME #703 .....	SEPT. 1986..... 120,121
GENESIS, GAME #705 .....	..... 122,123

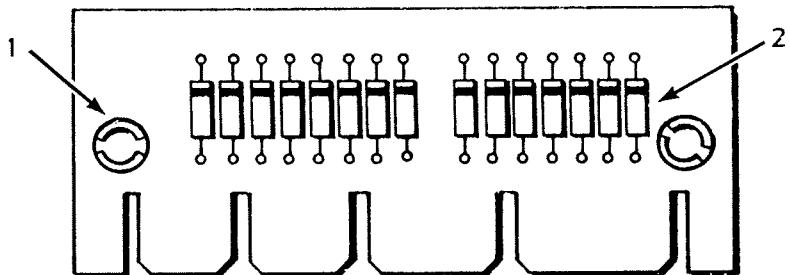
## AUXILIARY LAMP DRIVER BOARD (A12)



## AUXILIARY LAMP DRIVER BOARD (A12) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
	AUXILIARY LAMP DRIVER ASSEMBLY	MA-138
C1	CAPACITOR, .1 MFD, 100V CERAMIC RADIAL LEAD	XO-626
C2-C3	CAPACITOR, .01 MFD, 100V RADIAL LEAD	XO-202
C4	CAPACITOR, 47 MFD, 10V ELECTROLYTIC RADIAL LEAD	XO-227
Q1,3,5,7,9	TRANSISTOR, NSD-U45 NPN DARLINGTON	XO-146
R1,R12	RESISTOR, 3K OHM, 5%, 1/4 W	XO-23
R2-R11	RESISTOR, 12K OHM, 5%, 1/4W	XO-9
R13	RESISTOR, 330K OHM, 5%, 1/4W	XO-47
U1	I.C. 2-INPUT NAND	XO-420
U2, U6	I.C. INVERTER	XO-403
U3	I.C. DECADE COUNTER	XO-425
U4	I.C. DECODER	XO-426
U5	I.C. TIMER	XO-631
P2	10 POS. CONNECTOR	XO-531
P1	4 POS. CONNECTOR	XO-532

## DIODE BOARD ASSEMBLY (A7)



## DIODE BOARD (A7) PARTS LIST

REFERENCE	DESCRIPTION	PART NUMBER
1	Spacer (2)	23984
2	Diode, 1N270	XO-265
3	Assembly, PCB Diode (5 Diodes)	23829
4	Assembly, PCB Diode (6 Diodes)	24142
5	Assembly, PCB Diode (8 Diodes)	24252
6	Assembly, PCB Diode (10 Diodes)	23888
7	Assembly, PCB Diode (11 Diodes)	23830
8	Assembly, PCB Diode (13 Diodes)	23941
9	Assembly, PCB Diode (14 Diodes)	23968
10	Assembly, PCB Diode (15 Diodes)	*24030

\*Illustration portrays Part No. 24030

# VOLCANO

Premier  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### SWITCH MATRIX NUMBER

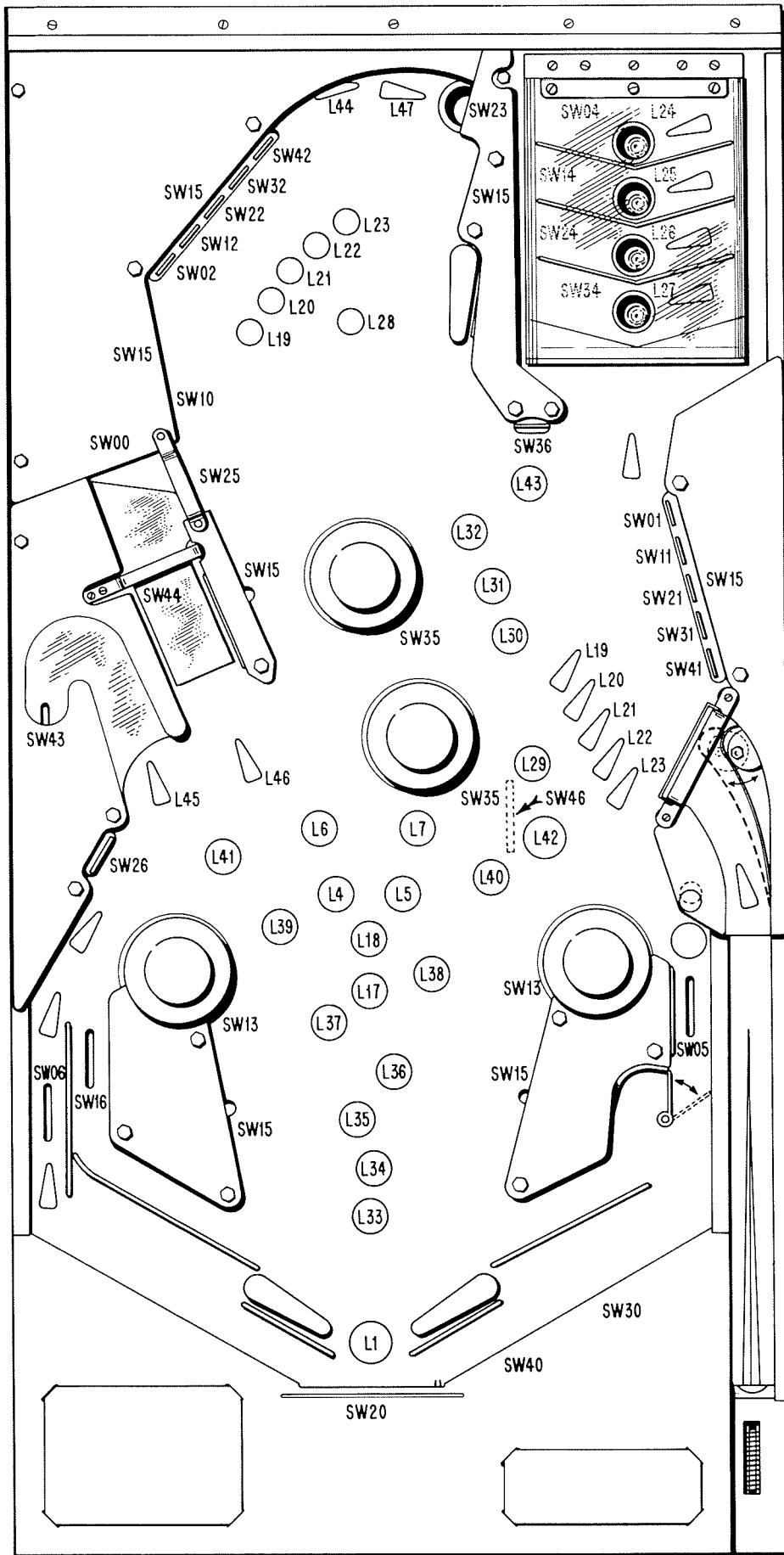
### SWITCH ASSIGNMENT

00	#1 Subway
01	#1 Right Drop Target
02	#1 Top Drop Target
04	Crater #4
05	Right Outlane Rollover
06	Left Outlane Rollover
10	#2 Subway
11	#2 Right Drop Target
12	#2 Top Drop Target
13	Bottom Pop Bumpers (2)
14	Crater #3
15	10 Point Switches (7)
16	Left Return Rollover
20	Outhole
21	#3 Right Drop Target
22	#3 Top Drop Target
23	Hole Kicker
24	Crater #2
25	Rollunder
26	Kicking Target
30	Right Trough
31	#4 Right Drop Target
32	#4 Top Drop Target
34	Crater #1
35	Top Pop Bumpers (2)
36	Spot Target
40	Left Trough
41	#5 Right Drop Target
42	#5 Top Drop Target
43	Left Side Kicker
44	Spinner
46	Tilt (Playboard)

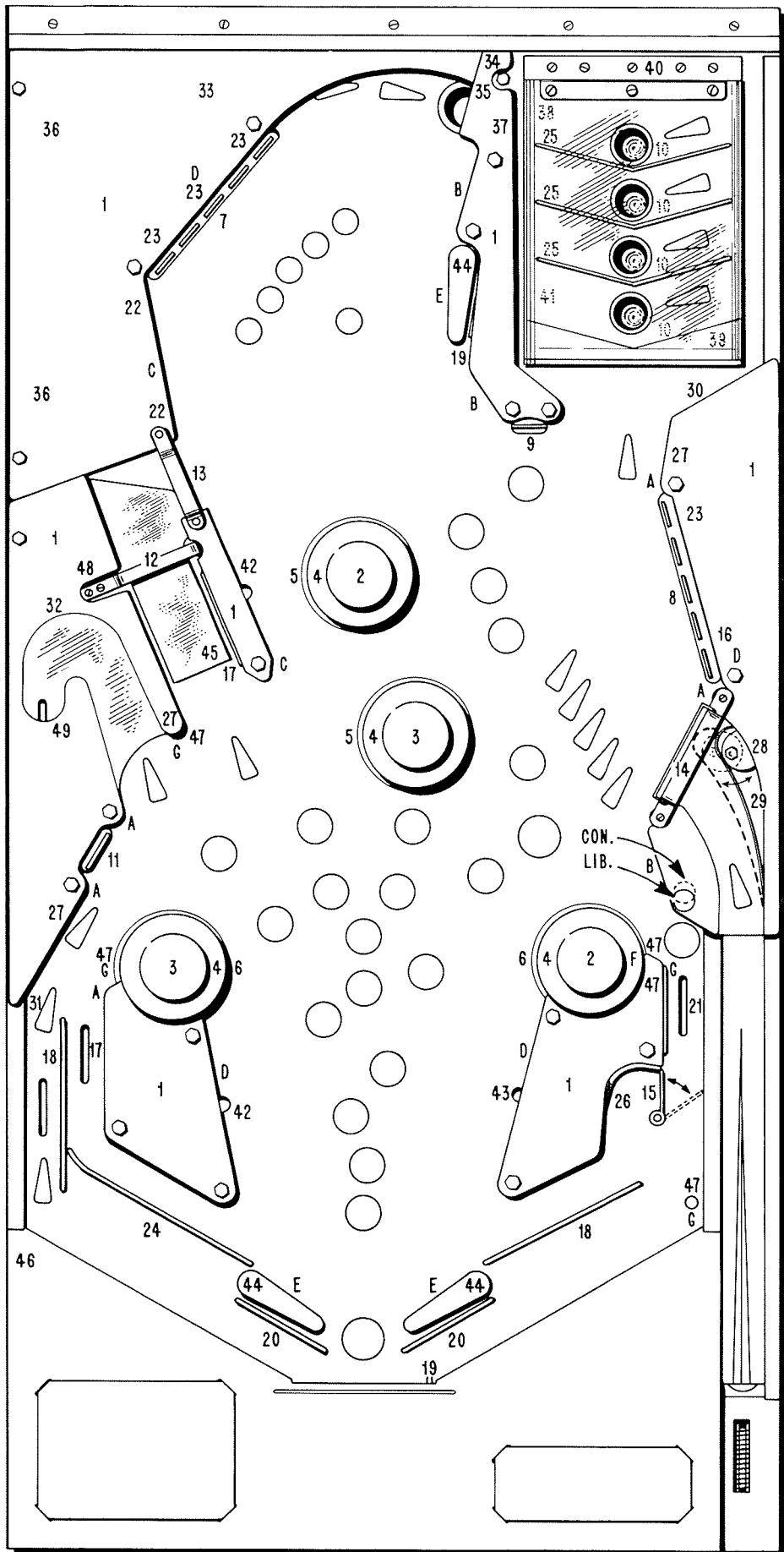
### LAMP NUMBER

### LAMP ASSIGNMENT

L1	Shoot Again
L4	2X Multiplier
L5	3X Multiplier
L6	4X Multiplier
L7	5X Multiplier
L17	Lava Level One
L18	Lava Level Two
L19	#1 Drop Target (2)
L20	#2 Drop Target (2)
L21	#3 Drop Target (2)
L22	#4 Drop Target (2)
L23	#5 Drop Target (2)
L24	Crater #4
L25	Crater #3
L26	Crater #2
L27	Crater #1
L28	Top Drop Target
L29	Bottom Drop Target
L30	2X Lava Flow Multiplier
L31	3X Lava Flow Multiplier
L32	4X Lava Flow Multiplier
L33	1000 Bonus
L34	2000 Bonus
L35	3000 Bonus
L36	4000 Bonus
L37	5000 Bonus
L38	6000 Bonus
L39	7000 Bonus
L40	8000 Bonus
L41	9000 Bonus
L42	10,000 Bonus
L43	Spot Target
L44	Special
L45	Extra Ball
L46	Spinner
L47	Collect Seismic Value



# VOLCANO



## PLAYBOARD INFORMATION

### RUBBER RINGS

A	A-10217	5/16"	(5)
B	A-10220	1-1/2"	(3)
C	A-10222	2-1/2"	(2)
D	A-10223	3"	(4)
E	A-13151		(3)
F	A-14793		(1)
G	A-15705		(4)

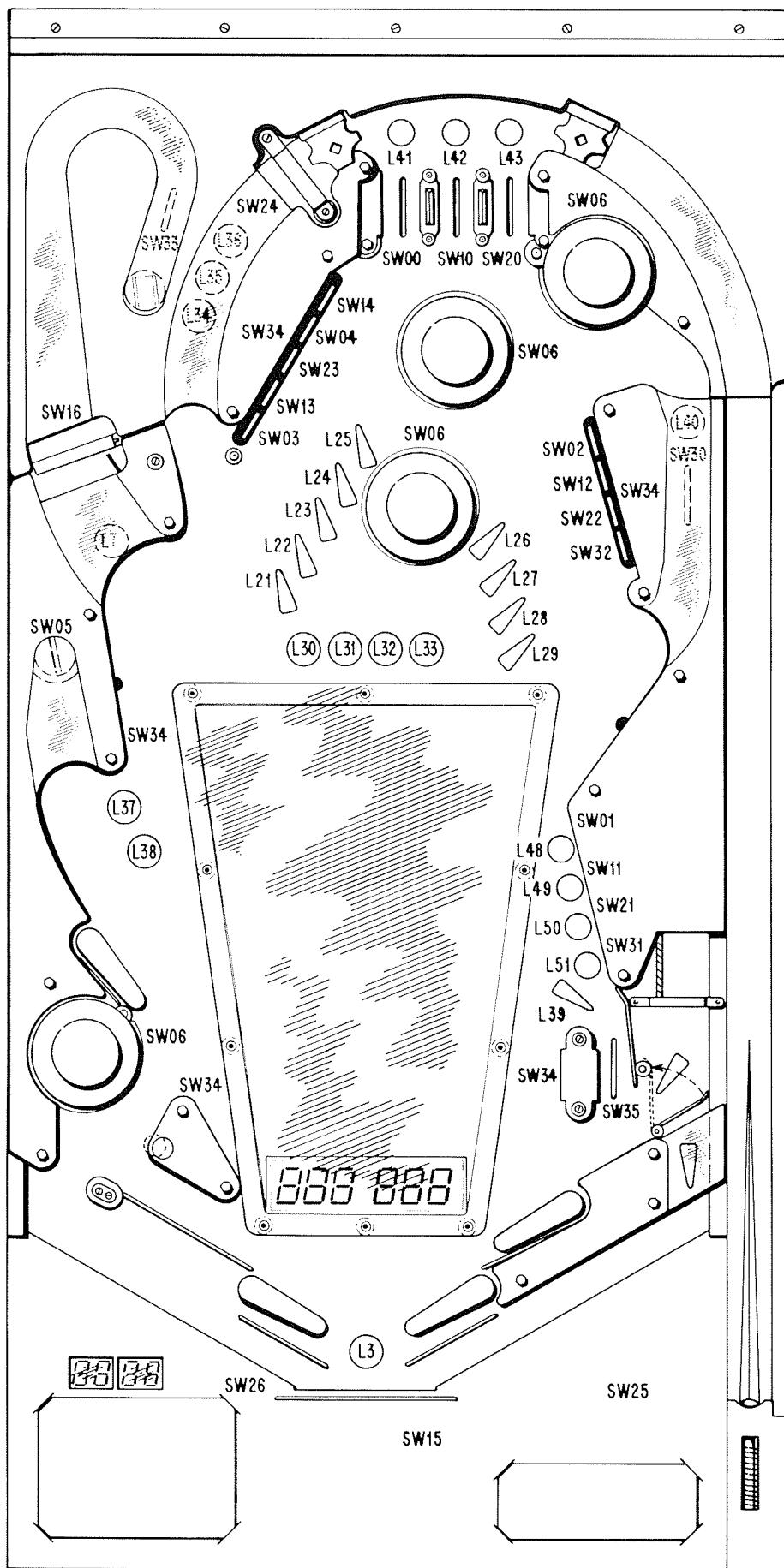
### PARTS LIST

1. D-21032 Plastic Shield Set.
2. Orange Pop Bumper D-10435 and A-21068 Cap in Black (2).
3. Orange Pop Bumper D-10435 and A-21070 Cap in Black (2).
4. C-10433 Orange Pop Bumper Skirt (4).
5. B-8246 Pop Bumper Platter (2).
6. A-20535 Pop Bumper Trim Platter (2).
7. A-21066 Red Drop Target in Yellow (5).
8. A-21066 Yellow Drop Target in Red (5).
9. A-9374 1" Diameter Yellow Plastic Target.
10. A-9374 1" Diameter Red Plastic Target (4).
11. A-21039 Kicking Target.
12. A-20388 Spinning Target (Use with A-21011 Shield).
13. A-4869 Rollunder Shield (Use with A-4706 Wire).
14. A-1673 Ball Gate Shield (Use with A-1674 Wire).
15. A-21056 Ball Return Gate.
16. A-3722 Ball Guide Rail.
17. A-4832 Ball Guide Rail (2).
18. A-4834 Ball Guide Rail (2).
19. A-6931 Ball Guide Rail (2).
20. A-13798 Ball Snubber Rail (2).
21. A-17106 Ball Guide Rail.
22. A-17650 Ball Guide Rail (2).
23. A-18070 Ball Guide Rail (4).
24. A-19996 Ball Guide Rail.
25. B-20956 Ball Guide Rail (3).
26. A-21012 Ball Guide Rail.
27. A-20362 Flat Rail Support Clip (3).
28. A-21007 Rotate Cam.
29. D-21010 Metal Flat Rail (Use with A-21007 Cam).
30. B-21014 Metal Flat Rail (Use with A-20362 Clip).
31. B-21015 Metal Flat Rail (Use with A-20362 Clip).
32. B-21016 Metal Flat Rail (Use with A-20362 Clip).
33. D-21013 Top Arch Rod.
34. B-19873 Top Arch End Post.
35. B-19874 Top Arch End Cap.
36. B-19875 Arch Rod Support Post (2).
37. A-21107 Ball Snubber (Hole Kicker).
38. C-20954 Elevated Target Board.
39. B-20965 Bottom Mounting Bracket.
40. C-20967 Top Mounting Bracket.
41. C-20969 Clear Plastic Hood.
42. A-15636 Left Kicking Rubber (2).
43. A-15638 Right Kicking Rubber.
44. C-13150 White Jumbo Flipper (3).
45. B-20995 Ball Return (Chute).
46. B-21001 Save-A-Ball Unit.
47. A-14792 Mini Post (5).
48. C-17492 White Siamese Post.
49. A-16701 Ball Kicker.
- C-11561 Clear 1" High Post (28).
- A-14487 Split Post Base (2).
- A-14488 Split Post Cap (2).

**CON. = Conservative.**

**LIB. = Liberal.**

# BLACK HOLE



**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### TOP PLAYFIELD

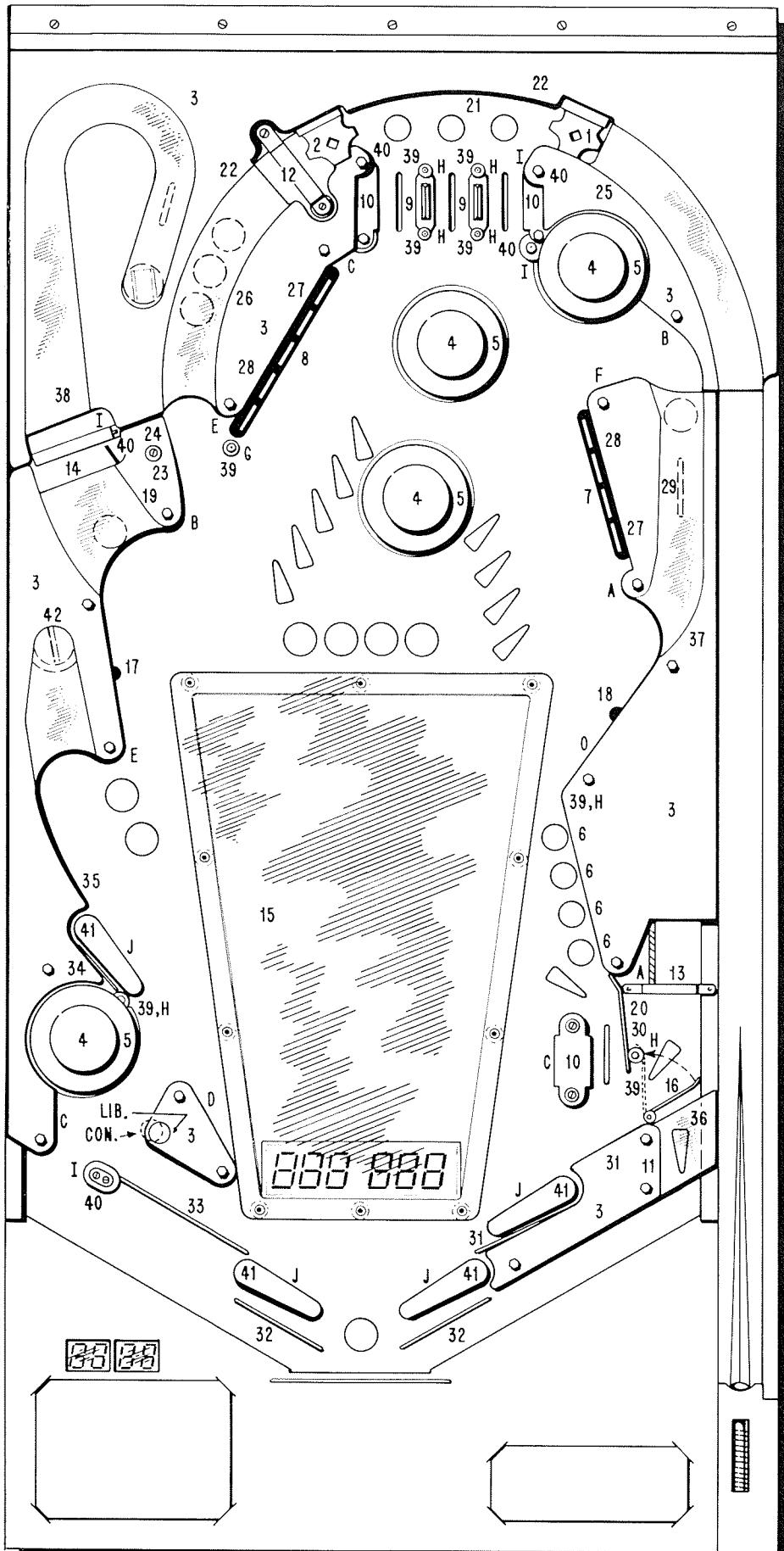
SWITCH MATRIX NUMBER	SWITCH ASSIGNMENT
----------------------	-------------------

SWITCH MATRIX NUMBER	SWITCH ASSIGNMENT
00	Top #1 Rollover
01	#1 Spot Target
02	Right #1 Drop Target "H"
03	Left #1 Drop Target "B"
04	Left #4 Drop Target "C"
05	Ball Kicker Hole Switch
06	Pop Bumpers 4
10	Top #2 Rollover
11	#2 Spot Target
12	Right #2 Drop Target "O"
13	Left #2 Drop Target "L"
14	Left #5 Drop Target "K"
15	Outhole
16	Left Spinning Target
20	Top #3 Rollover
21	#3 Spot Target
22	Right #3 Drop Target "L"
23	Left #3 Drop Target "A"
24	Top Lane Rollunder Switch
25	3rd Position Ball Return (Trough)
26	Tilt Switch Playboard
30	Right Side Rollover
31	#4 Spot Target
32	Right #4 Drop Target "E"
33	Black Hole Rollover
34	10 Point Switches (5)
35	Right Return Rollover

LAMP NUMBER	LAMP ASSIGNMENT
-------------	-----------------

LAMP NUMBER	LAMP ASSIGNMENT
L3	Shoot Again
L7	Left Spinning Target
L21	"B" Drop Target Light
L22	"L" Drop Target Light
L23	"A" Drop Target Light
L24	"C" Drop Target Light
L25	"K" Drop Target Light
L26	"H" Drop Target Light
L27	"O" Drop Target Light
L28	"L" Drop Target Light
L29	"E" Drop Target Light
L30	2X Multiplier
L31	3X Multiplier
L32	4X Multiplier
L33	5X Multiplier
L34	Top Lane Top Lane X1 (10,000)
L35	Top Lane #2 (Extra Ball)
L36	Top Lane #3 (Special)
L37	Top Hole #1 (Captive)
L38	Top Hole #2 (Extra Ball)
L39	Right Return Rollover
L40	Right Side Rollover
L41	#1 Top Rollover
L42	#2 Top Rollover
L43	#3 Top Rollover
L48	#1 Spot Target Light
L49	#2 Spot Target Light
L50	#3 Spot Target Light
L51	#4 Spot Target Light

## **BLACK HOLE**



# **PLAYBOARD INFORMATION**

## **TOP PLAYFIELD**

## RUBBER RINGS

A	A-10217	[2]
B	A-10218	[2]
C	A-10219	[3]
D	A-10221	[2]
E	A-10222	[2]
F	A-10223	[1]
G	A-14793	[1]
H	A-15704	[7]
I	A-17493	[4]
J	A-13151	[4]

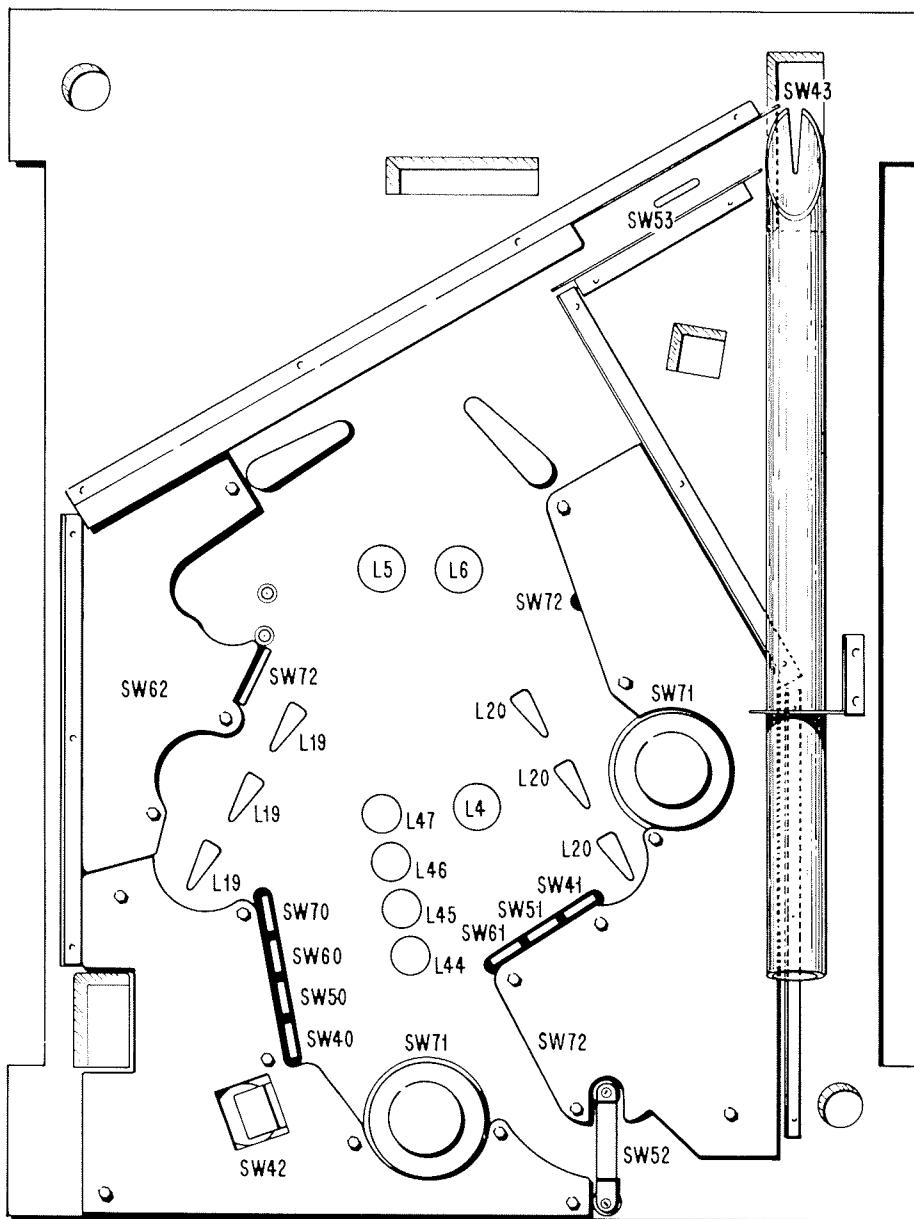
## PARTS LIST

1. A-19645 Ball Gate Right
  2. A-19646 Ball Gate Left
  3. E-21229 Plastic Set
  4. Blue Pop Bumper D-10435 and  
A-21298 Cap in Black (4)
  5. C-10433 Blue Pop Bumper Skirt (4)
  6. A-9374 Yellow Plastic Target (4)
  7. Black Drop Target Bank - "Hole"
  8. Black Drop Target Bank - "Black"
  9. C-15647 Rollover Guide (2)
  10. A-9395 2 1/8" Guide Rail (3)
  11. A-9393 1 1/8" Guide Rail
  12. A-4869 Rollunder Gate Shield  
(USE A-4706 WIREFORM)
  13. A-17300 Gate Shield  
(USE A-17299 WIREFORM)
  14. A-20388 Swinging Target
  15. D-21140 Window
  16. A-21160 Ball Return Gate
  17. A-21366 Kicking Rubber
  18. A-15836 Kicking Rubber
  19. A-21158 Ball Deflector
  20. A-20645 Plastic Tubing
  21. D-21166 Top Arch Rod
  22. B-19875 Arm Rod Support Post (2)
  23. B-19873 Top Arch End Post
  24. B-19874 Top Arch End Cap
  25. B-21165 Ball Guide Rail
  26. B-21164 Ball Guide Rail
  27. A-18070 Ball Guide Rail (2)
  28. A-17650 Ball Guide Rail (2)
  29. A-4832 Ball Guide Rail
  30. A-14686 Ball Guide Rail
  31. A-17106 Ball Guide Rail (2)
  32. A-13798 Ball Snubber (2)
  33. A-18563 Ball Guide Rail
  34. A-6612 Ball Guide Rail
  35. C-21149 Metal Flat Rail
  36. A-8688 Metal Flat Rail
  37. B-21150 Metal Flat Rail
  38. C-21151 Metal Flat Rail
  39. A-14792 Mini-Post (8)
  40. C-17492 White Siamese Post (5)
  41. C-13150 White Jumbo Flipper (4)
  42. A-16038 Ball Snubber

TOP

- C-11561 1" High Post (29)  
C-11562 1 3/16" High Post (4)  
A-14487 Split Post Base (3)  
A-14488 Split Post Cap (3)

## BLACK HOLE



**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### BOTTOM PLAYBOARD

#### SWITCH MATRIX NUMBER

#### SWITCH ASSIGNMENT

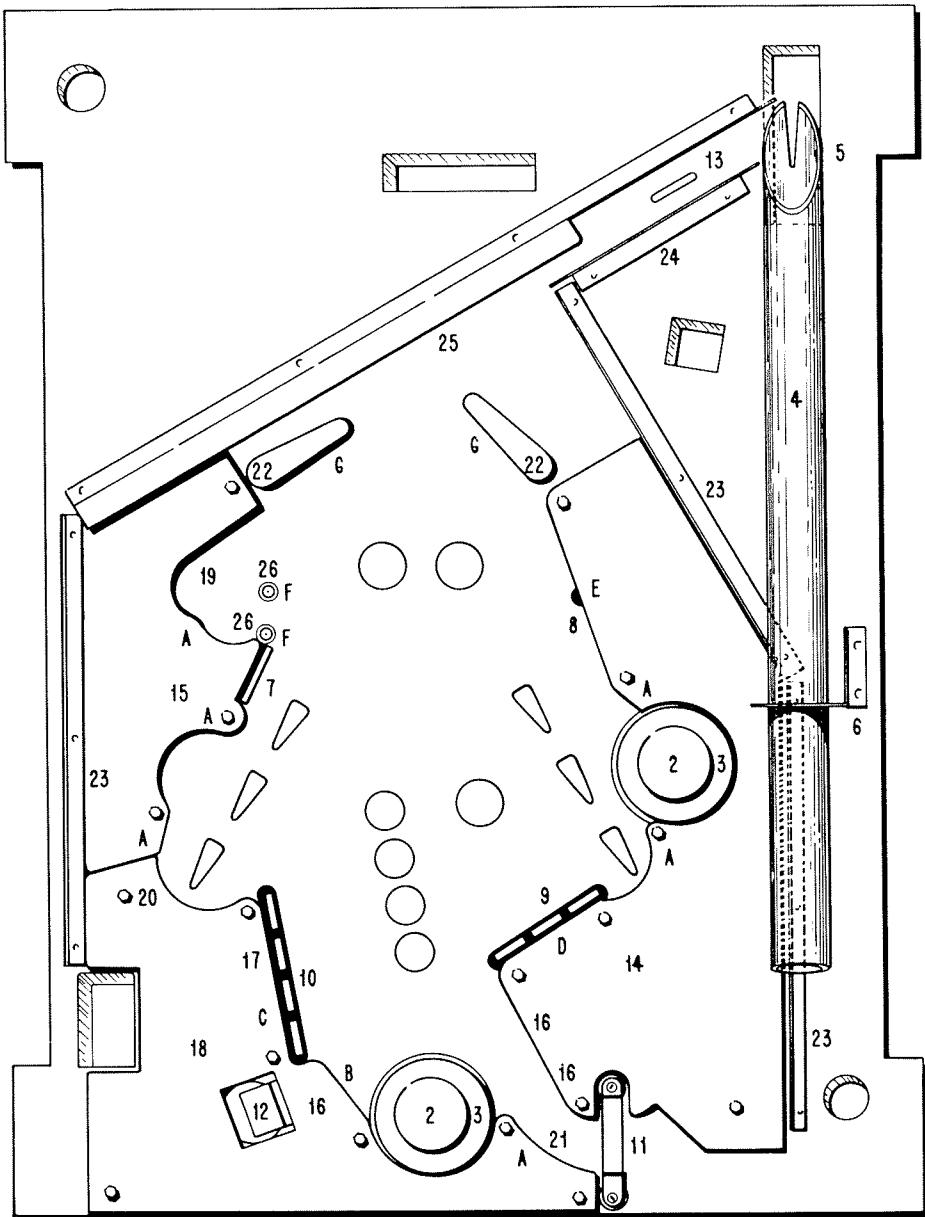
40	Left #1 Drop Target
41	Right #1 Drop Target
42	Hole Kicker Switch
43	Ball Tube Kicker Switch
50	Left #2 Drop Target
51	Right #2 Drop Target
52	Rollunder Gate
53	Track Switch
60	Left #3 Drop Target
61	Right #3 Drop Target
62	Return Rollover
70	Left #4 Drop Target
71	Lower Level Pop Bumpers
72	10 Point Switches and Kicking Targets

#### LAMP NUMBER

#### LAMP ASSIGNMENT

L4	3 Pos. Bank Special Lower Playfield
L5	"+ 1X" Scoring (L) Lower Playfield
L6	"+ 1X" Scoring (R) Lower Playfield
L19	Hole Lights (Arrows) Lower Playfield
L20	Loop Lights (Arrows)
L44	#1 Drop Target Light Lower Playfield
L45	#2 Drop Target Light Lower Playfield
L46	#3 Drop Target Light Lower Playfield
L47	#4 Drop Target Light Lower Playfield

## **BLACK HOLE**



## **PLAYBOARD INFORMATION**

## **BOTTOM PLAYBOARD**

## RUBBER RINGS

A	A-10217	(6)
B	A-10220	(1)
C	A-10221	(1)
D	A-10223	(1)
E	A-10224	(1)
F	A-15705	(2)
G	A-13151	(2)

## PART LIST

1. D-21304 Plastic Set
  2. Blue Pop Bumper D-10435 &  
A-21298 in Black (2)
  3. C-10433 Blue Pop Bumper Skirt (2)
  4. B-21179 Tube
  5. B-21178 Kicker Unit
  6. C-21180 Tube Support Bracket
  7. A-21039 Kicking Target
  8. A-15836 Kicking Rubber
  9. A-13179 White Drop Target in Gold
  10. A-13179 Yellow Drop Target in Gold
  11. A-9869 Gate Shield  
(USE A-4706 WIREFORM)
  1. 2. A-21159 Ball Snubber
  3. C-21222 Ball Return Unit
  4. B-21163 Ball Guide Rail
  5. A-21162 Ball Guide Rail
  6. A-18070 Ball Guide Rail (3)
  7. A-17106 Ball Guide Rail
  8. A-8514 Ball Guide Rail
  9. B-21153 Metal Flat Rail
  20. B-21152 Metal Flat Rail
  21. B-21154 Metal Flat Rail
  22. C-13150 White Jumbo Flipper
  23. B-21155 Guard Rail (3)
  24. B-21156 Guard Rail
  25. D-21157 Guard Rail
  26. A-14792 Mini Post Screw (2)

C-11561 1" High Post (23)  
C-11562 1 3/16" High Post (3)

# HAUNTED HOUSE

**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### MIDDLE PLAYFIELD

#### SWITCH MATRIX

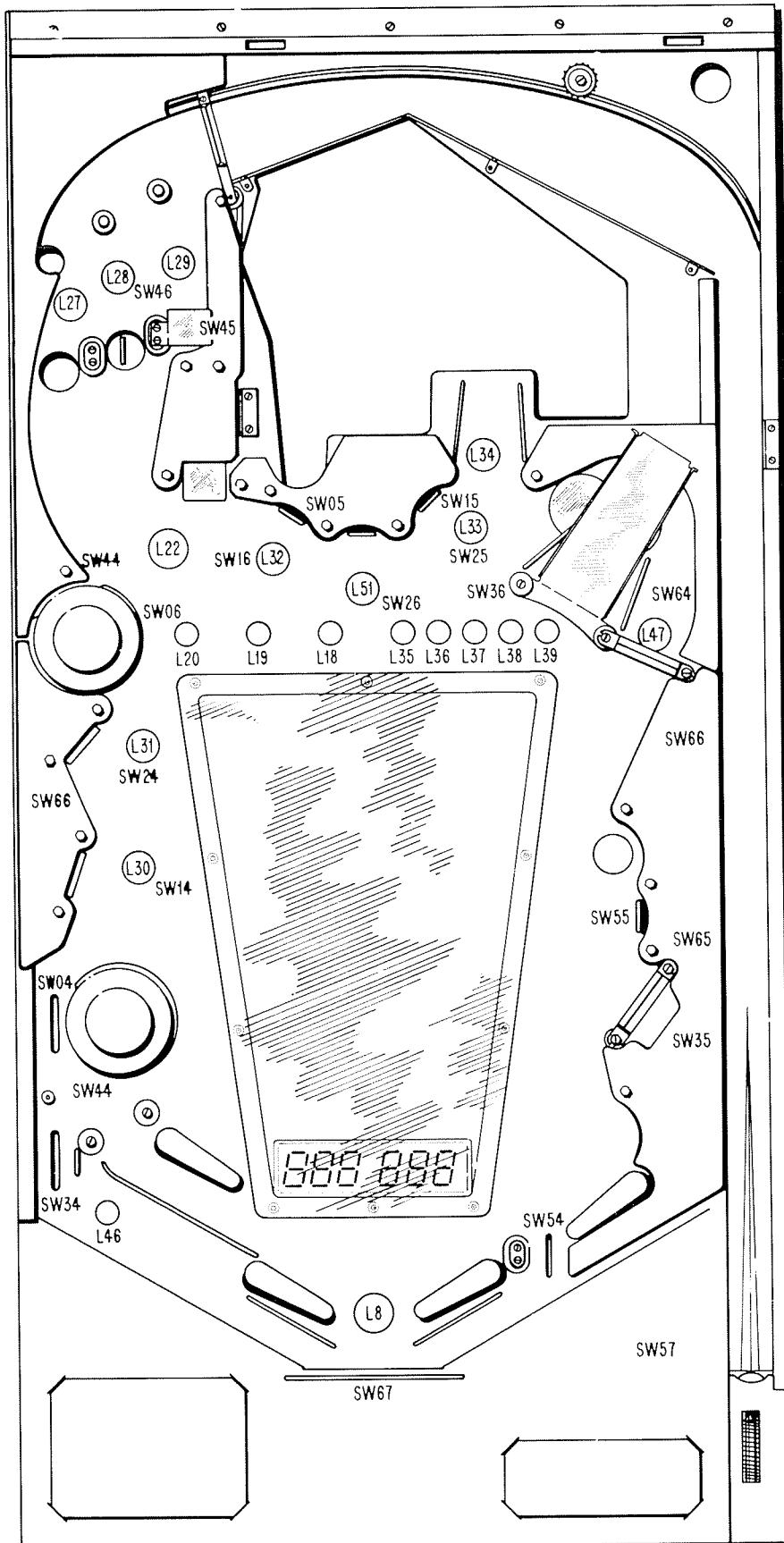
#### NO. SWITCH ASSIGNMENT PART NO.

04	Left Return Rollover	B- 18892
05	#3 Target	B-21561
06	# 1 Trough	B-21492
14	#1 Kicking Target	B- 18808
15	#4 Target	B-21561
16	#2 Trough	B-21492
24	#2 Kicking Target	B-21570
25	#5 Top Kicking Target	B- 18808
26	Roll Down Target Trough	B-20978
34	Left Outside Rollover	B-19754
35	Rollunder	B-21137
36	Trap Door Trough	B-21492
44	Pop Bumper (Top)	B-19643
	Pop Bumper (Bottom)	B- 19777
45	Up Kicker	B-21415
46	Top Center Hole	B- 19857
54	Right Outside Rollover	B- 19754
55	Right Bottom Target	B-21561
57	Tilt	B-8373
64	Roundabout	B-21569
65	Right Side Kicker	B- 18079
66	10 Point (1)	B- 18079
	Kicking Rubber (1)	B- 18808
67	Outhole	B- 18892

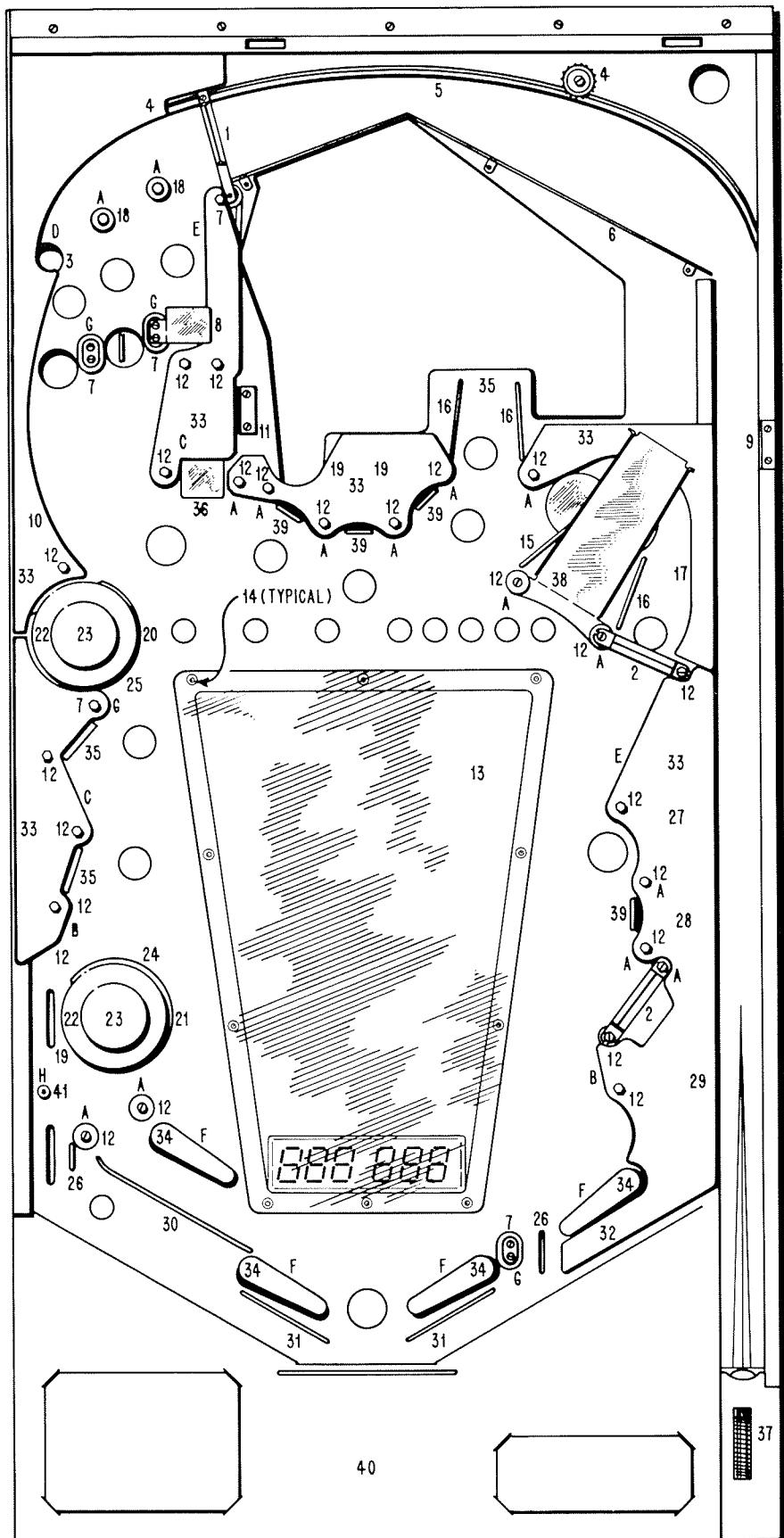
#### LAMP

#### NO. LAMP ASSIGNMENT

L18	Double Bonus Upstairs Playfield
L19	Double Bonus Main Playfield
L20	Double Bonus Cellar
L22	Double Scoring
L27	Top Left Hole
L28	Top Center Hole
L29	Top Right Hole
L30	#1 Kicking Target
L31	#2 Kicking Target
L32	#3 Target
L33	#4 Target
L34	#5 Kicking Target
L35	1X
L36	2X
L37	3X
L38	4X
L39	5X
L46	Left Outside Rollover
L47	Roundabout
L51	Roll Down Target



## HAUNTED HOUSE



## PLAYBOARD INFORMATION

### MIDDLE PLAYFIELD

A	A-10217	(15)
B	A-10219	(2)
C	A-10220	(2)
D	A-10218	(1)
E	A-10222	(2)
F	A-13151	(4)
G	A-17493	(4)
H	A-15705	(1)

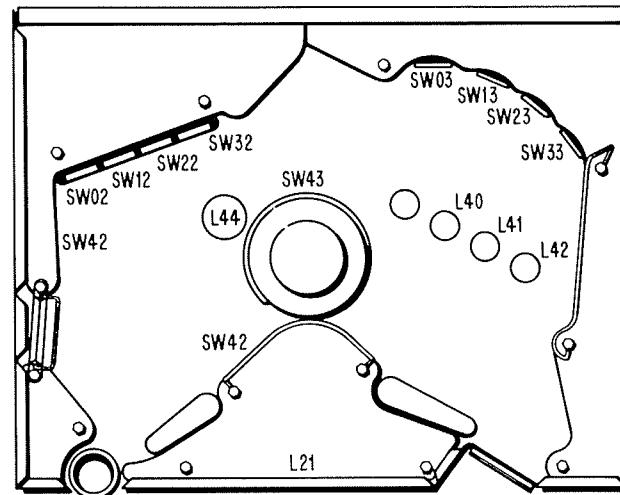
### PARTS LIST

1. A-20271 Ball Gate Shield and A-20272 Wireform
2. A-4706 Rollunder Gate (2) and A-4705 Gate Shield (2)
3. B-19873 Arch Rod End Post and B-19874 Arch Rod End Post Cap
4. B-19875 Arch Rod Support Post (2)
5. D-19649 Arch Rod
6. C-2 1452 Metal Flat Rail
7. C-17492 Siamese Post-White (5)
8. B-2 1453 Vertical Kicker Deflector
9. A-2 1465 Upper Playfield Support Bracket
10. B-2 1593 Metal Flat Raid
11. A-2 1466 Upper Playfield Support Bracket
12. C-11561 Plastic Post, 1" High, Clear (25)
13. D-2 1140 Playboard Window, Green
14. FA-56 Allen Head Screws, 6-32 1/2", Flatheads (10)
15. FA-668 6-32 Tee Nut (10) and A-2 1219 Rubber Washers
16. A-2 1446 Ball Guide Rail
17. A-3722 Ball Guide Rail (3)
18. B-2 1450 Metal Flat Rail
19. C-2 1253 Illuminated Post (2)
20. A-17650 Ball Guide Rail (3)
21. MA-29 Pop Bumper Coil, Bracket and Pad
22. A-2 1591 Pop Bumper Trim Platter
23. C-10433 Pop Bumper Skirt (2) and C-10435 Body
24. A-2 1394 Pop Bumper Cap (2)
25. MA-250 Pop Bumper Coil, Bracket and Pad
26. A-2 1590 Pop Bumper Trim Platter
27. A-18070 Ball Guide Rail (2)
28. B-2 1449 Metal Flat Rail
29. A-6612 Ball Guide Rail
30. A-2 1447 Ball Guide Rail
31. A-2 1448 Ball Guide Rail
32. A-13798 Ball Snubber Wireform (2)
33. A-17106 Ball Guide Rail
34. D-2 1529 Plastic Set
35. A-13150 White Jumbo Flipper (4)
36. B-20210 Kicking Target Plastic Shield and A-2 1531 Decal
37. B-2 1419 Clear Tubing and B-2 1421 Tube Bracket and Deflector
38. C-9767 Ball Shooter Gauge
39. C-2 1454 Ball Ramp
40. A-9374 Target White (4)
41. E-18793 Card Holder
42. A-14792 Mini Post Screw

# HAUNTED HOUSE

Premier  
Technology

UPSTAIRS  
PLAYFIELD



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### UPPER PLAYBOARD

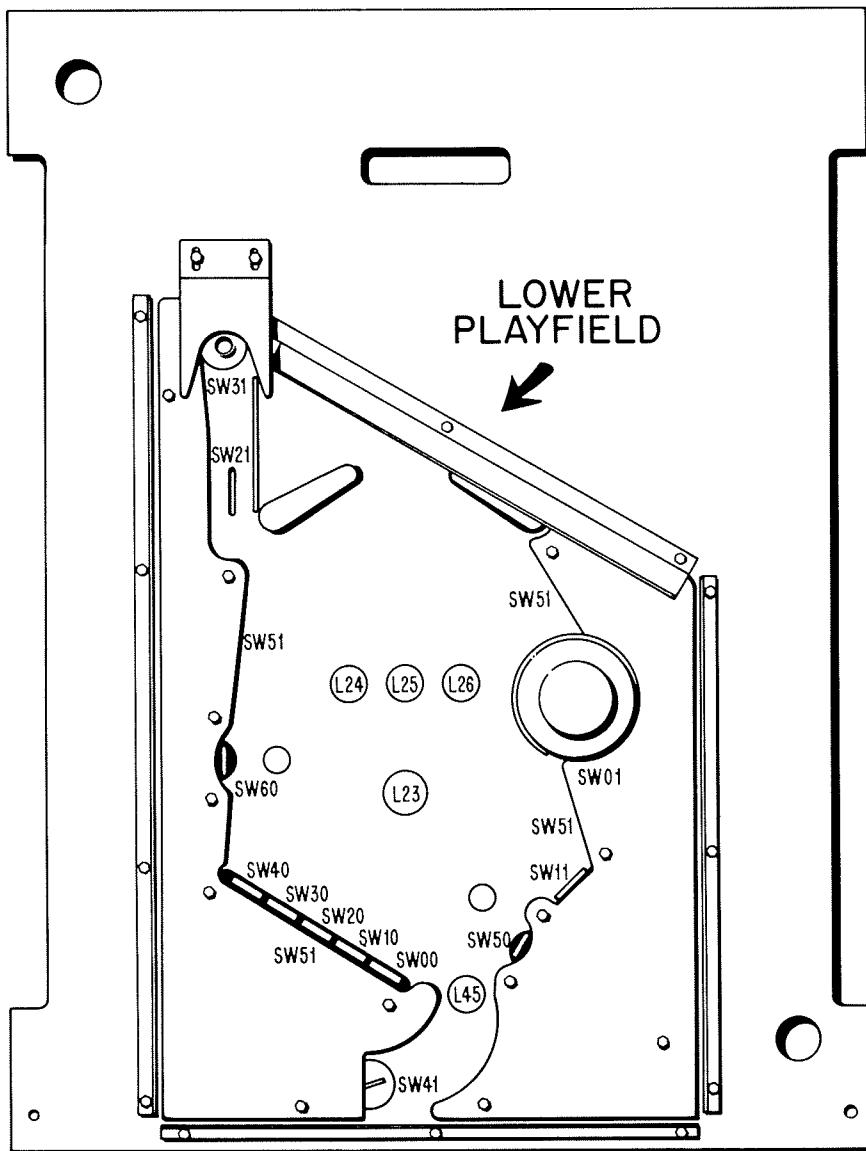
#### SWITCH MATRIX

NO.	SWITCH ASSIGNMENT
02	#1 Drop Target
03	#1 Target
12	#2 Drop Target
13	#2 Target
22	#3 Drop Target
23	#3 Target
32	#4 Drop Target
33	#4 Target
42	10 Point
43	Pop Bumpers

#### LAMP

NO.	LAMP ASSIGNMENT
L21	Double Scoring
L40	#2 Target
L41	#3 Target
L42	#4 Target
L44	Special

LOWER PLAYBOARD



### LOWER PLAYBOARD

#### SWITCH MATRIX

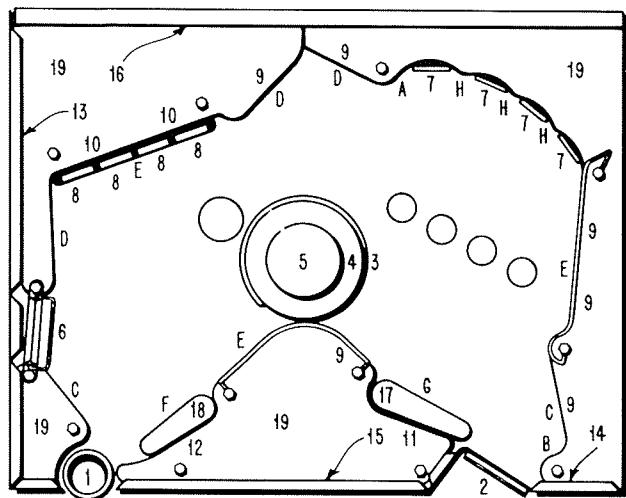
NO.	SWITCH ASSIGNMENT
00	#1 Drop Target
01	Pop Bumper
10	#2 Drop Target
11	Kicking Target
20	#3 Drop Target
21	Outside Rollover
30	#4 Drop Target
31	Up Kicker
40	#5 Drop Target
41	Hole
50	Right Target
51	10 Point and Kicking Rubbers
60	Left Target

#### LAMP

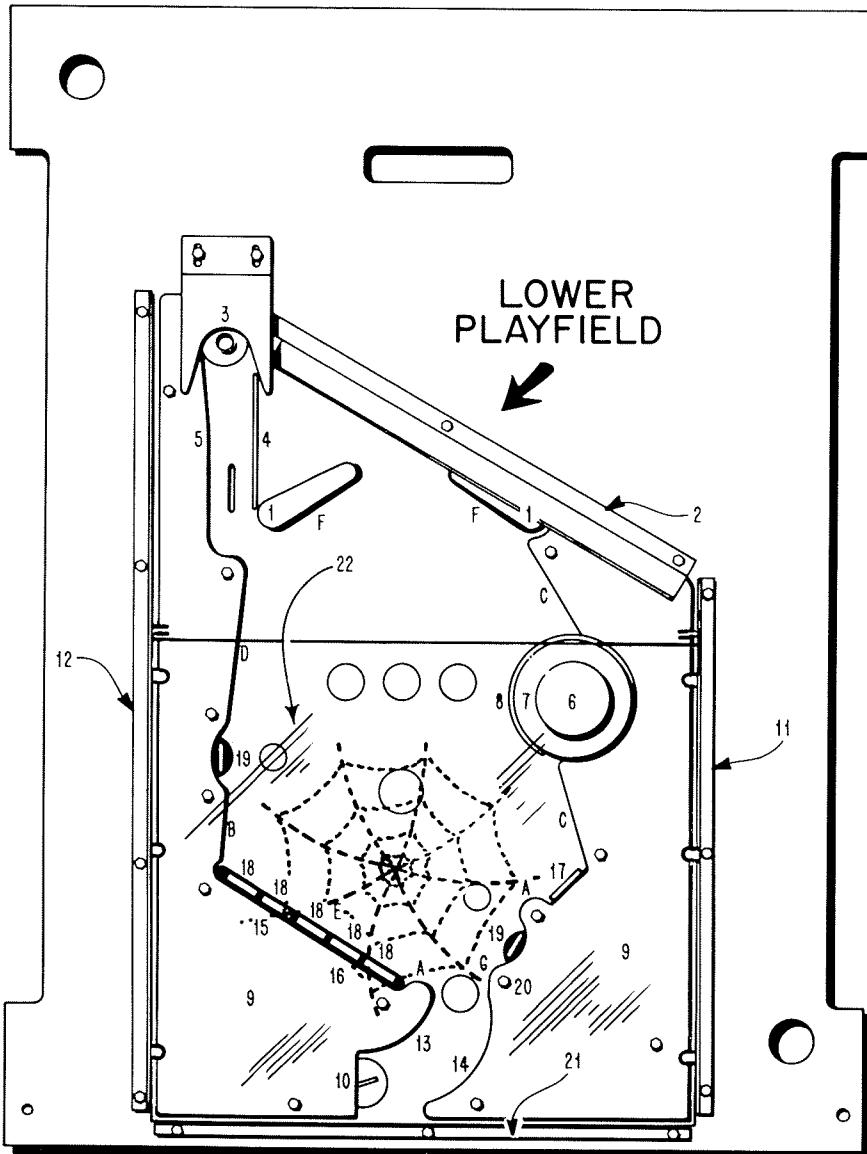
NO.	LAMP ASSIGNMENT
L23	Double Scoring
L24	#1 Sequence
L25	#2 Sequence and Left Target
L26	#3 Sequence and Right Target
L45	Special

# HAUNTED HOUSE

## UPPER PLAYBOARD PARTS



## LOWER PLAYBOARD PARTS



### RUBBER RINGS

A	A-10217	(1)
B	A-10218	(1)
C	A-10219	(2)
D	A-10220	(3)
E	A-10222	(3)
F	A-13149	(1)
G	A-13151	(1)
H	A-15705	(3)

### PARTS LIST

1. B-21457 Tube and Clamp
2. A-21458 Ramp Support Bracket
3. A-21589 Pop Bumper Platter
4. C-10435 Pop Bumper Body and C-10433 Skirt
5. A-21394 Pop Bumper Cap
6. A-17300 Gate Shield and A-17299 Wire Form
7. A-9347 Target - White (4)
8. A-19837 Drop Target - White (4)
9. A-18070 Ball Guide Rail (6)
10. A-17650 Ball Guide Rail (2)
11. A-6612 Ball Guide Rail
12. A-20028 Ball Guide Rail
13. C-21461 Edge Trim
14. B-21459 Edge Trim
15. B-21463 Edge Trim
16. B-21473 Edge Trim
17. C-13150 White Jumbo Flipper
18. C-11241 White Flipper
19. D-21530 Plastic Set
  
- C-11561 Post 1" High - Clear (24)

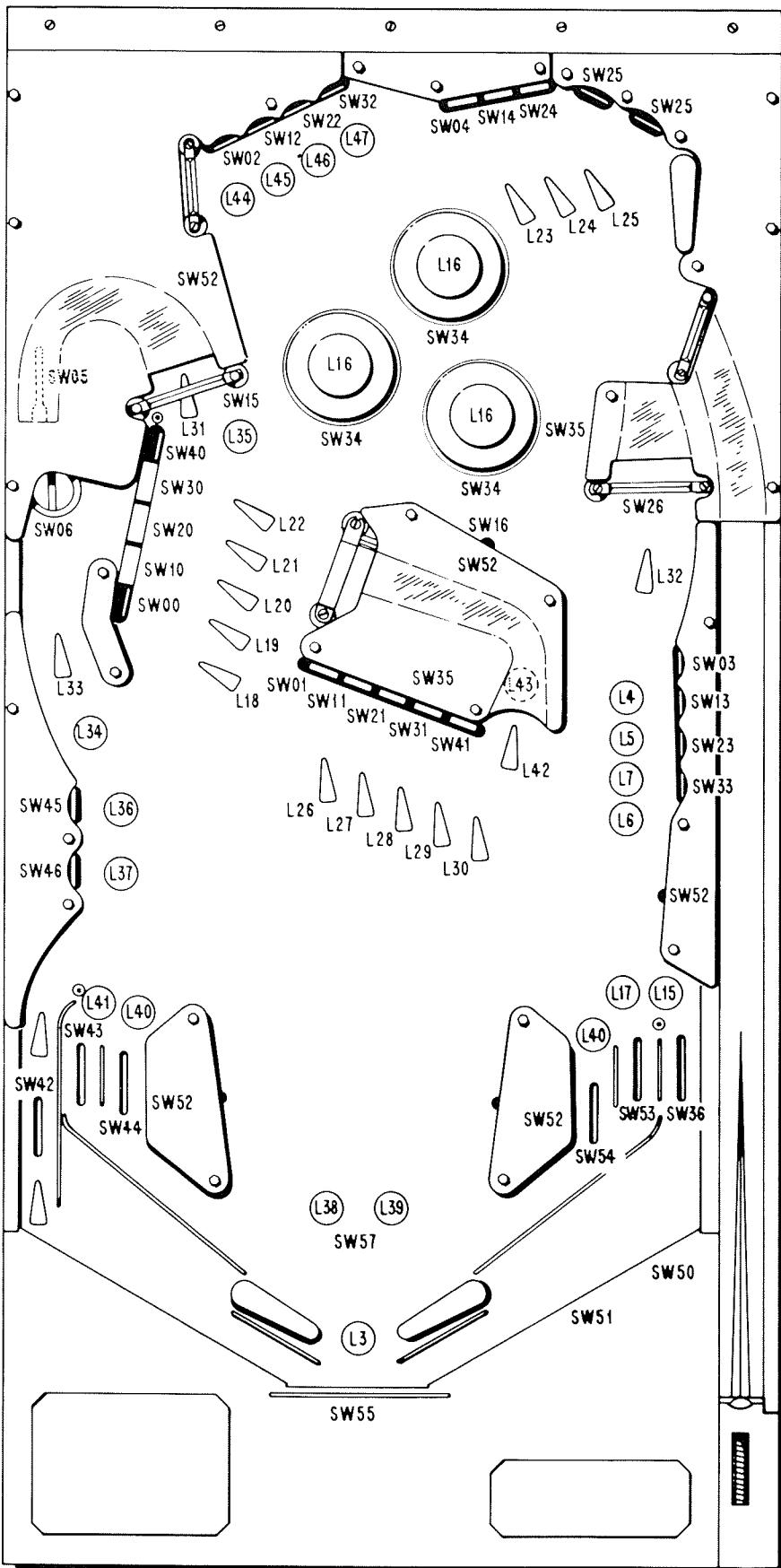
### RUBBER RINGS

A	A-10217	(2)
B	A-10219	(1)
C	A-10220	(2)
D	A-10222	(1)
E	A-10223	(1)
F	A-13151	(2)
G	A-17493	(1)

### PARTS LIST

1. C-13150 Jumbo Flipper - White
2. C-21406 Guard Rail
3. B-21410 Tube Support Bracket
4. A-13782 Ball Guide Rail
5. B-21404 Ball Guide Rail
6. A-21394 Pop Bumper Cap
7. A-10435 Pop Bumper Body and A-10433 Skirt
8. A-21592 Trim Platter
9. D-21530 Plastic Set
10. A-16038 Ball Snubber
11. C-21407-1 Ball Rail
12. D-21409-1 Ball Rail
13. A-20182 Ball Guide
14. B-21405 Ball Guide
15. A-17106 Ball Guide
16. A-17650 Ball Guide Rail
17. B-20210 Plastic Shield and A-21531 Decal
18. A-19837 Drop Target (5)
19. A-9374 Target
20. A-17492 Siamese Post
21. C-21408 Ball Rail
22. C-21226 Playboard Cover
  
- C-11561 Post 1" High Clear (17)

# DEVIL'S DARE



**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### SWITCH MATRIX

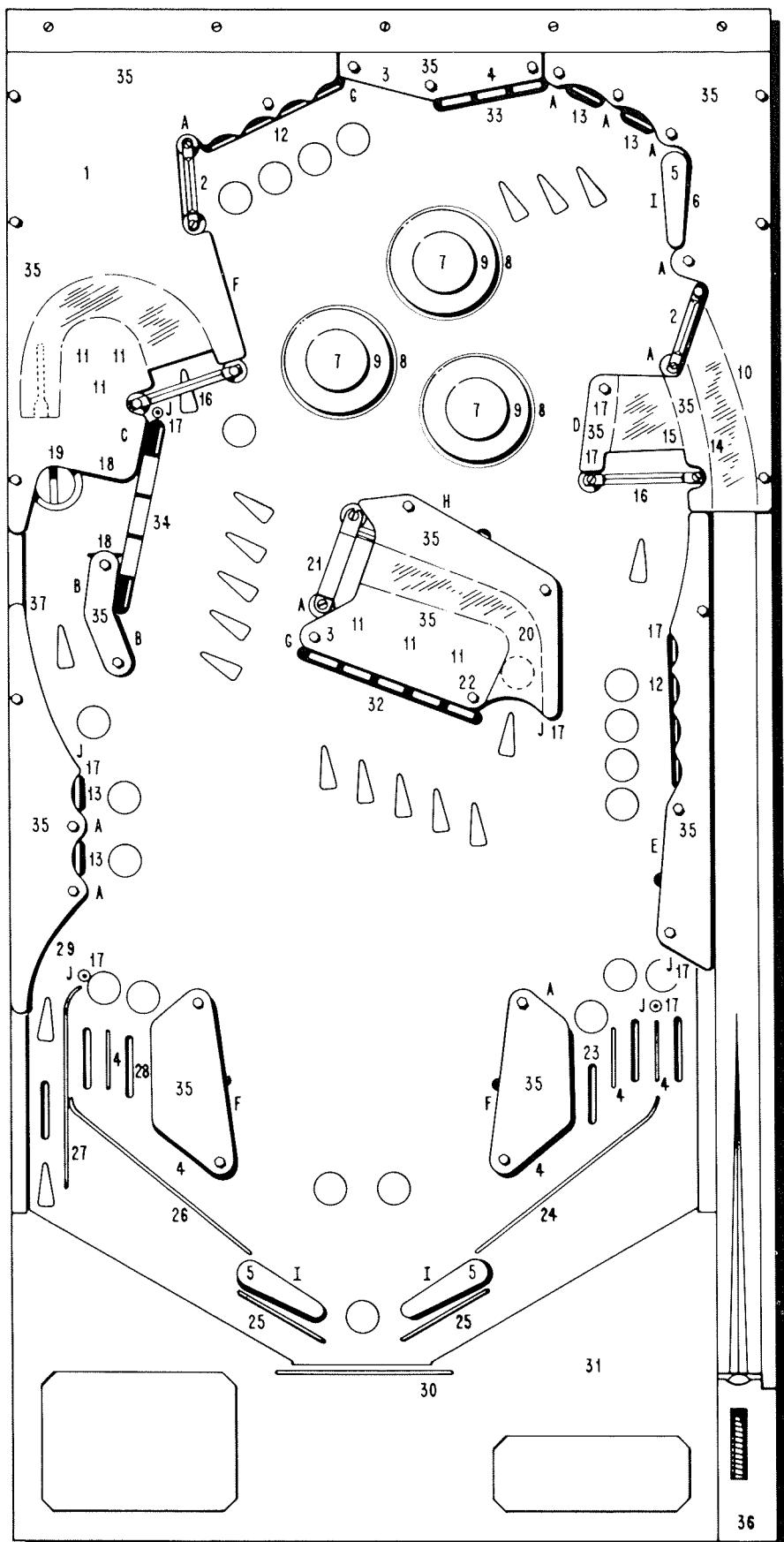
NO.	SWITCH ASSIGNMENT	PART NO.
00	#1 Left Drop Target	B-18094
01	#1 Right Drop Target	B-18094
02	#1 Left Top Target	B-20867
03	#1 Right Bottom Target	B-20867
04	#1 Top Drop Target	B-18094
05	Top Ball Kicker	B-19754
06	Hole	B-19857
10	#2 Left Drop Target	B-18094
11	#2 Right Drop Target	B-18094
12	#2 Left Top Target	B-20867
13	#2 Right Bottom Target	B-20867
14	#2 Top Drop Target	B-18095
15	Left Spin Target	B-19353
16	Rollunder	B-21137
20	#3 Left Drop Target	B-18095
21	#3 Right Drop Target	B-18095
22	#3 Left Top Target	B-20867
23	#3 Right Bottom Target	B-20867
24	#3 Top Drop Target	B-18093
25	Right Top Target (2)	B-20867
26	Right Spin Target	B-19353
30	#4 Left Drop Target	B-18093
31	#4 Right Drop Target	B-18093
32	#4 Left Top Target	B-20867
33	#4 Right Bottom Target	B-20867
34	Pop Bumpers (3)	B-21359
35	Drop Target	B-18096
36	Ten Point Switch	B-18079
37	Right Outside Rollover	B-18892
40	#5 Left Drop Target	B-18093
41	#5 Right Drop Target	B-18093
42	Left Outside Rollover	B-18892
43	Left Inside Return Rollover	B-18892
45	#2 Left Bottom Target	B-21387
46	#1 Left Bottom Target	B-21387
50	First Position Trough	B-18892
51	Third Position Trough	B-18892
52	Kicking Rubbers (5)	B-18808
53	Right Outside Return Rollover	B-18892
54	Right Inside Return Rollover	B-18892
55	Outhole	B-18892
57	Tilt	B-9141

### LAMP

#### NO. LAMP ASSIGNMENT

L 3	Shoot Again
L 4	#1 Right Bottom Target
L 5	#2 Right Bottom Target
L 6	#3 Right Bottom Target
L 7	#4 Right Bottom Target
L 15	Right Outside Rollover
L 16	Pop Bumper (3)
L 17	Right Outside Return Rollover
L 18	#1 Left Drop Target
L 19	#2 Left Drop Target
L 20	#3 Left Drop Target
L 21	#4 Left Drop Target
L 22	#5 Left Drop Target
L 23	#1 Top Drop Target
L 24	#2 Top Drop Target
L 25	#3 Top Drop Target
L 26	#1 Right Drop Target
L 27	#2 Right Drop Target
L 28	#3 Right Drop Target
L 29	#4 Right Drop Target
L 30	#5 Right Drop Target
L 31	Left Spin Target
L 32	Right Spin Target
L 33	Hole (2 Ball Multi-Ball)
L 34	Hole Capture
L 35	Top Kicker Capture
L 36	Top Left Bottom Target
L 37	Bottom Left Bottom Target
L 38	2X
L 39	3X
L 40	Inside Return Rollovers(2)
L 41	Left Outside Return Rollover
L 42	Rollunder
L 43	Extra Ball
L 44	#1 Left Top Target
L 45	#2 Left Top Target
L 46	#3 Left Top Target
L 47	#4 Left Top Target

## DEVIL'S DARE



## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(10)
B	A-10218	3/4"	(2)
C	A-10219	1"	(1)
D	A-10220	1 1/2"	(1)
E	A-10221	2"	(1)
F	A-10222	2 1/2"	(3)
G	A-10223	3"	(2)
H	A-10224	4"	(1)
I	A-13151	1-13/16"	(3)
J	A-15705	7/16"	(5)

### PARTS LIST

1. B-21377 Metal Flat Rail
2. A-17300 Shield (2)
3. A-17650 Ball Guide Rail (2)
4. A-6612 Ball Guide Rail (6)
5. A-13150 White Flipper (3)
6. A-3722 Ball Guide Rail
7. A-21392 Pop Bumper Cap (3)
8. B-8246 Pop Bumper Trim Platter (3)
9. C-10433 Pop Bumper Skirt (3) and A-13905 Pop Bumper Body (3)
10. B-21378 Metal Flat Rail
11. A-14487 Split Post Base - White (6) and A-14488 Split Post Cap - White (6)
12. A-9374U Target Red (8)
13. A-9374T Target Yellow (4)
14. A-4832 Ball Guide Rail
15. B-21374 Metal Flat Rail
16. A-14043 Target Mounting Bracket (2) and A-20388 Target
17. A-14792 Mini Post Screw (9)
18. A-18070 Ball Guide Rail
19. A-21532 Ball Snubber
20. B-21375 Metal Flat Rail
21. A-4869 Gate Shield
22. A-4831 Ball Guide Rail
23. A-17106 Ball Guide Rail
24. B-21540 Ball Guide Rail
25. A-13798 Ball Snubber
26. B-20029 Ball Guide Rail
27. A-13584 Ball Guide Rail
28. A-21535 Ball Guide Rail
29. B-21015 Metal Flat Rail
30. A-6931 Ball Guide Rail
31. D-21004 Card Holder
32. A-21396 5 Position Drop Target Black Stamped in Red
33. A-21396 3 Position Drop Target Red Stamped in Black
34. A-21397 (3 large) Black Stamped in Red and A-21396 (2 small) Black Stamped in Red
35. D-21400 Plastic Shield Set
36. C-9767 Ball Shooter Gauge
37. B-21382 Metal Flat Rail

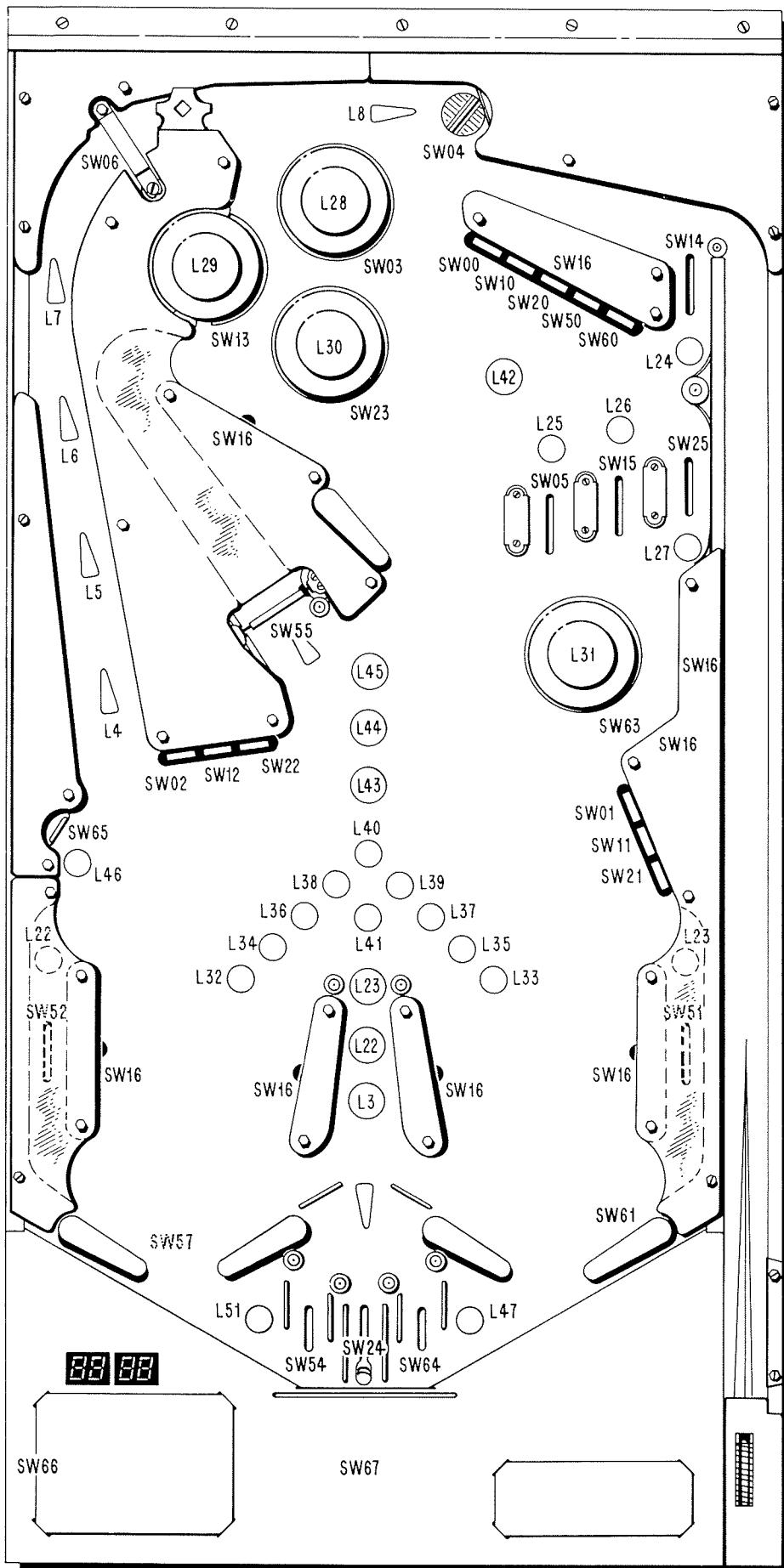
C-11561 Plastic Post 1" High (33)  
C-11562 Plastic Post 1-3/16" High(5)

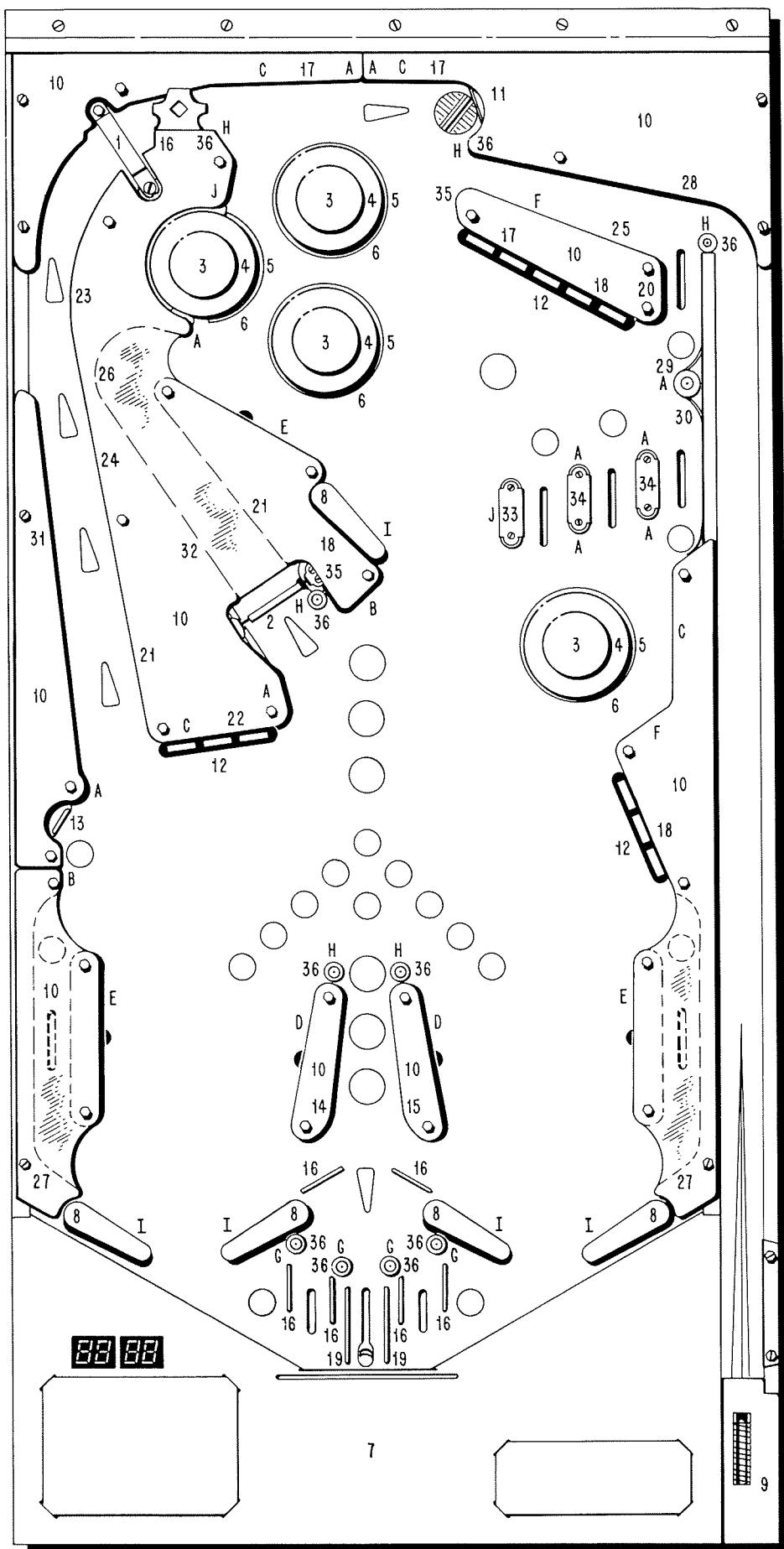
**PLAYBOARD SWITCH  
AND LAMP  
ASSIGNMENTS**
**SWITCH  
MATRIX**

<b>NO.</b>	<b>SWITCH ASSIGNMENT</b>	<b>PART NO.</b>
00	#1 Top Drop Target	B-19209
01	#1 Right Drop Target	B-19209
02	#1 Left Drop Target	B-19209
03	Upper Top Pop Bumper	B-21352
04	Hole	B-19739
05	#1 Center Rollover	B-18892
06	Rollunder	B-21137
10	#2 Top Drop Target	B-19209
11	#2 Right Drop Target	B-19211
12	#2 Left Drop Target	B-19211
13	Upper Left Pop Bumper	B-21352
14	Top Right Rollover	B-18892
15	#2 Center Rollover	B-18892
16	10 Point (3) and Kicking Rubbers (5)	B-18079
20	#3 Top Drop Target	B-22094
21	#3 Right Drop Target	B-19292
22	#3 Left Drop Target	B-19292
23	Upper Right Pop Bumper	B-21352
24	Shooter (on the Ropes)	B-18892
25	#3 Center Rollover	B-18892
50	#4 Top Drop Target	B-19292
51	Right Return Rollover	B-18892
52	Left Return Rollover	B-18892
54	Left Out Rollover	B-18892
55	Spinner	B-19354
57	Tilt	B-9141
60	#5 Top Drop Target	B-19292
61	Right Flipper	B-20873
63	Bottom Right Pop Bumper	B-21352
64	Right Out Rollover	B-18892
65	Spot Target	B-20867
66	Green Left Button	B-17838
67	Outhole	B-18892

**LAMP  
NO.**

<b>LAMP NO.</b>	<b>LAMP ASSIGNMENT</b>
L3	Shoot Again
L4	5000 Arrow
L5	10,000 Arrow
L6	20,000 Arrow
L7	40,000 Arrow
L8	Special
L22	Left Rollover (2)
L23	Right Rollover (2)
L24	Top Rollover
L25	#1 Center Rollover
L26	#2 Center Rollover
L27	#3 Center Rollover
L28	Upper Top Pop Bumper
L29	Upper Left Pop Bumper
L30	Upper Right Pop Bumper
L31	Bottom Right Pop Bumper
L32	1000 Bonus
L33	2000 Bonus
L34	3000 Bonus
L35	4000 Bonus
L36	5000 Bonus
L37	6000 Bonus
L38	7000 Bonus
L39	8000 Bonus
L40	9000 Bonus
L41	10,000 Bonus
L42	Extra Ball
L43	2X
L44	5X
L45	10X
L46	Spot Target
L47	Right Out Rollover
L51	Left Out Rollover





## **PLAYBOARD PARTS**

## RUBBER RINGS

A	A-10217	$\frac{5}{16}$ "	(12)
B	A-10218	$\frac{3}{4}$ "	(2)
C	A-10220	$1\frac{1}{2}$ "	(4)
D	A-10221	2"	(2)
E	A-10222	$2\frac{1}{2}$ "	(3)
F	A-10223	3"	(2)
G	A-14793	Mini	(4)
H	A-15705	Mini	(7)
I	A-13151	$1\frac{3}{4}$ "	(5)
J	A-10219	1"	(2)

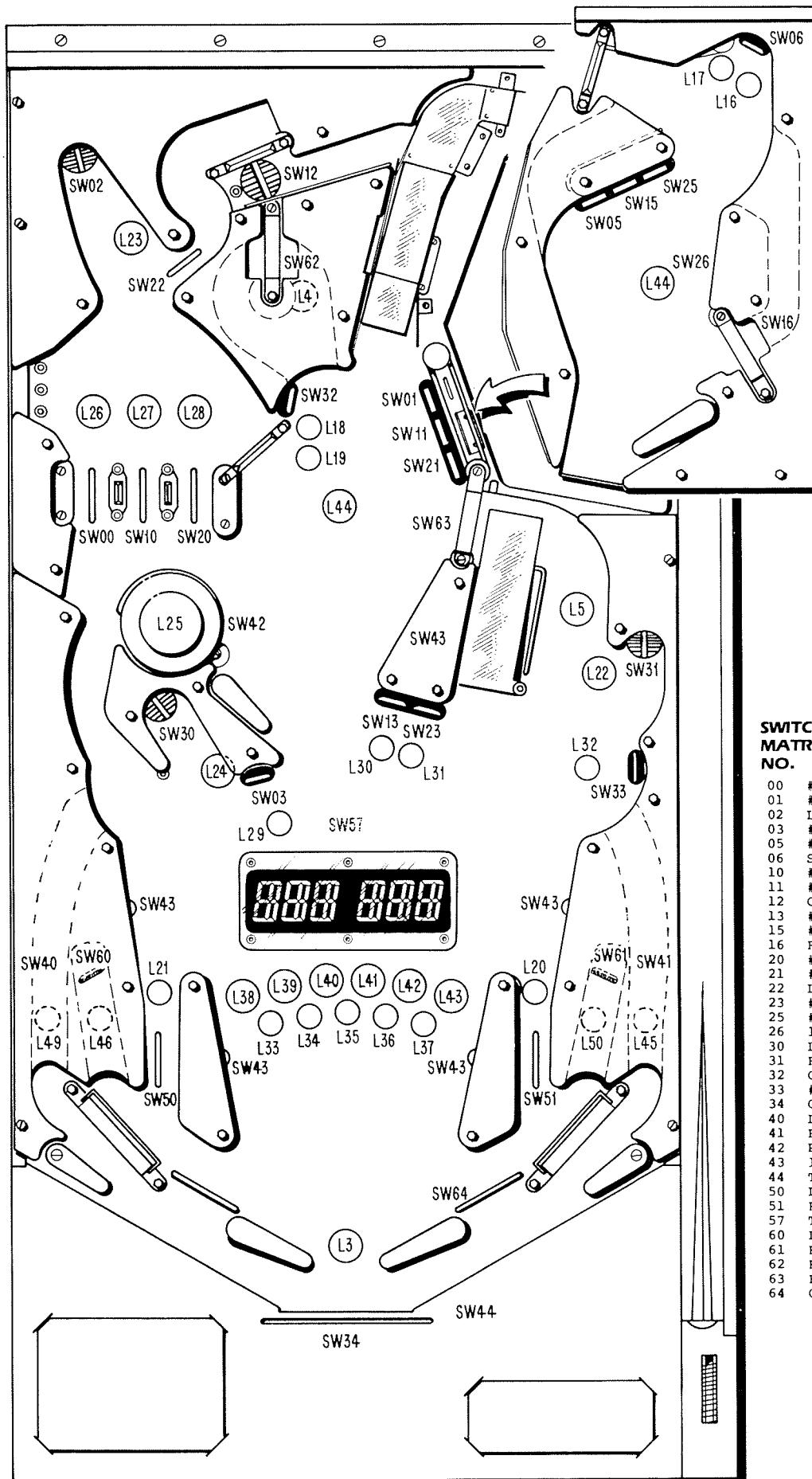
## PARTS LIST

- |     |  |
|-----|--|
| 1.  | A-4869 Shield                                |
| 2.  | A-20388 Spinner                              |
| 3.  | A-21860 Pop Bumper Cap (Specify Color) {4}   |
| 4.  | C-10435 Pop Bumper Body (Specify Color) {4}  |
| 5.  | C-10433 Pop Bumper Skirt (Specify Color) {4} |
| 6.  | B-8246 Pop Bumper Trim Platter {4}           |
| 7.  | D-20187 Card Holder                          |
| 8.  | C-13150 White Flipper {5}                    |
| 9.  | C-9767 Ball Shooter Gauge                    |
| 10. | D-21805 Plastic Shield Set                   |
| 11. | A-16038 Ball Snubber                         |
| 12. | Drop Target Banks "ROCKY" A-21862            |
|     | Round #1, A-22061 Round #6, A-22071          |
|     | Round #2, A-22063 Round #7, A-22073          |
|     | Round #3, A-22065 Round #8, A-22075          |
|     | Round #4, A-22067 Round #9, A-22077          |
|     | Round #5, A-22069 Round #10, A-22079         |
| 13. | A-9374U Target, Red                          |
| 14. | A-12107 Ball Guide Rail                      |
| 15. | A-12106 Ball Guide Rail                      |
| 16. | A-6931 Ball Guide Rail {7}                   |
| 17. | A-17650 Ball Guide Rail {3}                  |
| 18. | A-17106 Ball Guide Rail {3}                  |
| 19. | A-3722 Ball Guide Rail {2}                   |
| 20. | A-18070X Ball Guide Rail                     |
| 21. | A-11703 Ball Guide Rail {2}                  |
| 22. | A-4831 Ball Guide Rail                       |
| 23. | B-21720 Ball Guide Rail                      |
| 24. | A-13833 Ball Guide Rail                      |
| 25. | A-5977 Ball Guide Rail                       |
| 26. | B-21718 Metal Flat Rail                      |
| 27. | B-21719 Metal Flat Rail {2}                  |
| 28. | C-21721 Metal Flat Rail                      |
| 29. | A-21716 Metal Flat Rail                      |
| 30. | A-21717 Metal Flat Rail                      |
| 31. | D-21722 Metal Flat Rail                      |
| 32. | B-20086 Ball Guide Rail                      |
| 33. | A-9393 Guide Rail 1½" Single                 |
| 34. | A-9394Z Guide Rail 1½" Double (White)        |
|     | A-9394U Guide Rail 1½" Double (Red)          |
| 35. | A-17492 Siamese Post {2}                     |
| 36. | A-14792 Mini Post Screw                      |

C-11561 Plastic Post 1" High (38)  
C-11562 Plastic Post  $1\frac{3}{16}$ " High (3)

# SPIRIT

Premier  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

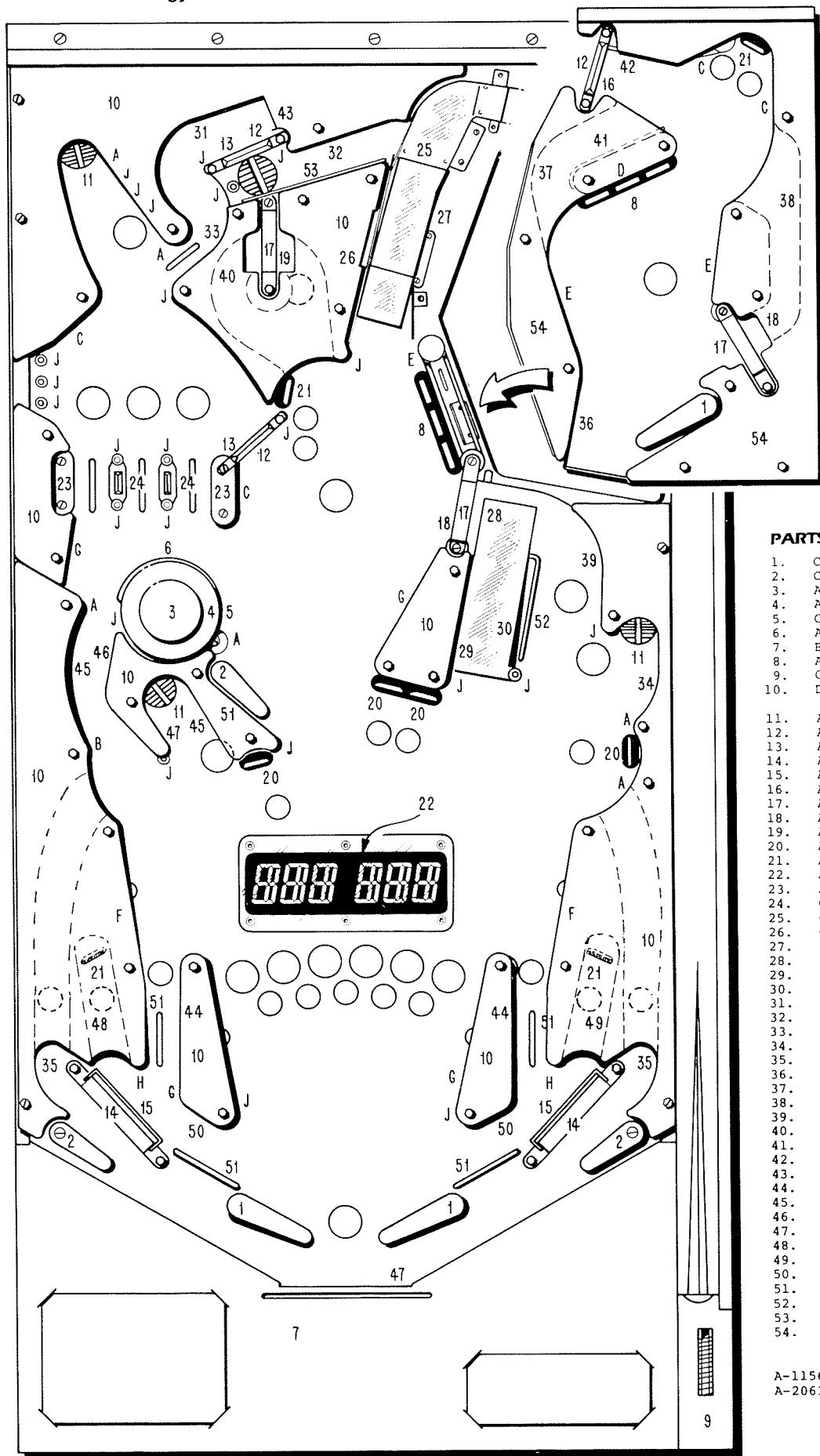
### LAMP NO. LAMP ASSIGNMENT

L3	Shoot Again
L4	Roundabout
L5	Right Rollunder
L16	Right Spot Target
L17	Left Spot Target
L18	Top Center Spot Target
L19	Bottom Center Spot Target
L20	Right Return Rollover
L21	Left Return Rollover
L22	Right Hole
L23	Left Top Hole
L24	Left Hole
L25	Pop Bumper
L26	#1 Rollover
L27	#2 Rollover
L28	#3 Rollover
L29	#1 Spot Target
L30	#2 Spot Target
L31	#3 Spot Target
L32	#4 Spot Target
L33	2X Multiplier
L34	3X Multiplier
L35	4X Multiplier
L36	5X Multiplier
L37	6X Multiplier
L38	"S"
L39	"P"
L40	"I"
L41	"R"
L42	"I"
L43	"T"
L44	Special (2)
L45	Right Outside Rollover
L46	Left Ball Save Target
L49	Left Outside Rollover
L50	Right Ball Save Target

### SWITCH MATRIX

### NO. SWITCH ASSIGNMENT

00	#1 Rollover	B-18892
01	#1 Drop Target	B-18094
02	Left Top Hole	B-19857
03	#1 Spot Target	B-20867
05	#1 Drop Target (Upper Playfield)	B-20864
06	Spot Target (Upper Playfield)	B-20867
10	#2 Rollover	B-18892
11	#2 Drop Target	B-18095
12	Center Top Hole	B-19857
13	#2 Spot Target	B-20867
15	#2 Drop Target (Upper Playfield)	B-18093
16	Rollunder (Upper Playfield)	B-21569
20	#3 Rollover	B-18892
21	#3 Drop Target	B-18093
22	Left Top Rollover	B-18892
23	#3 Spot Target	B-20867
25	#3 Drop Target (Upper Playfield)	B-18093
26	100 Pt. (Upper Playfield)	B-18079
30	Left Hole	B-19857
31	Right Hole	B-19857
32	Center Spot Target	B-20867
33	#4 Spot Target	B-20867
34	Outhole	B-18892
40	Left Outside Rollover	B-18892
41	Right Outside Rollover	B-18892
42	Pop Bumper	B-21352
43	10 Pt. (5)	B-18808
44	Trough	B-18892
50	Left Return Rollover	B-18892
51	Right Return Rollover	B-18892
57	Tilt	B-9141
60	Left Ball Save Target	B-20867
61	Right Ball Save Target	B-20867
62	Roundabout	B-21137
63	Right Rollunder	B-21137
64	On Right Flipper	B-22398



## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(6)
B	A-10218	3/4"	(1)
C	A-10219	1"	(4)
D	A-10220	1-1/2"	(1)
E	A-10221	2"	(3)
F	A-10222	2-1/2"	(2)
G	A-10223	3"	(4)
H	A-14793	Mini	(2)
J	A-15705	Mini	(24)

### PARTS LIST

1.	C-13150	White Flipper, Large	(3)
2.	C-11241	White Flipper, Small	(3)
3.	A-22237	Pop Bumper Cap, Black	
4.	A-13905	Pop Bumper Body, Black	
5.	C-10433T	Pop Bumper Skirt	
6.	A-22217	Pop Bumper Trim Platter	
7.	B-18793	Card Holder	
8.	A-22239	Drop Target Banks, Black	(6)
9.	C-9767	Ball Shooter Gauge	
10.	D-22163	Plastic Shield Set, Main Playfield	
11.	A-16038	Ball Snubber	
12.	A-17300	Shield (3)	
13.	A-22112	Wireform	
14.	A-1673	Shield (2)	
15.	A-1674	Wireform	
16.	A-21696	Wireform	
17.	A-4869	Shield (3)	
18.	A-22118	Wireform	
19.	A-21958	Wireform	
20.	A-9374T	Target, Yellow	(4)
21.	A-9374Z	Target, White	(4)
22.	A-22164	Window	
23.	A-9393	Guide Rail, Single	(2)
24.	C-15646	Guide Rail, Double	(2)
25.	C-22231	Stargate Ramp	
26.	C-20855	Stargate Ramp Fence, Left	
27.	C-22128	Stargate Ramp Fence, Right	
28.	B-22121	Ramp	
29.	B-22122	Ramp Guide, Left	
30.	B-22123	Ramp Guide, Right	
31.	CD-22111	Metal Flat Rail	
32.	A-22101	Metal Flat Rail	
33.	A-22103	Metal Flat Rail	
34.	A-22102	Metal Flat Rail	
35.	C-22109	Metal Flat Rail	
36.	A21158	Ball Deflector	
37.	A-22100	Metal Flat Rail	
38.	B-21108	Metal Flat Rail	
39.	B-22106	Metal Flat Rail	
40.	B-22107	Metal Flat Rail	
41.	A-22117	Ball Guide Rail	
42.	A-6612	Ball Guide Rail	
43.	A-22115	Ball Guide Rail	
44.	A-13782	Ball Guide Rail (2)	
45.	A-22116	Ball Guide Rail (2)	
46.	A-22114	Ball Guide Rail	
47.	A-6931	Ball Guide Rail	
48.	B-22119	Ball Guide Rail	
49.	B-22120	Ball Guide Rail	
50.	A-18070	Ball Guide Rail	
51.	A-3722	Ball Guide Rail (5)	
52.	A-22113	Ball Guide Rail	
53.	A-13833	Ball Guide Rail	
54.	D-22162	Plastic Shield Set, Mezzanine	

A-11561PX Plastic Post, 1" High (29)  
A-20635P Support Post (23)

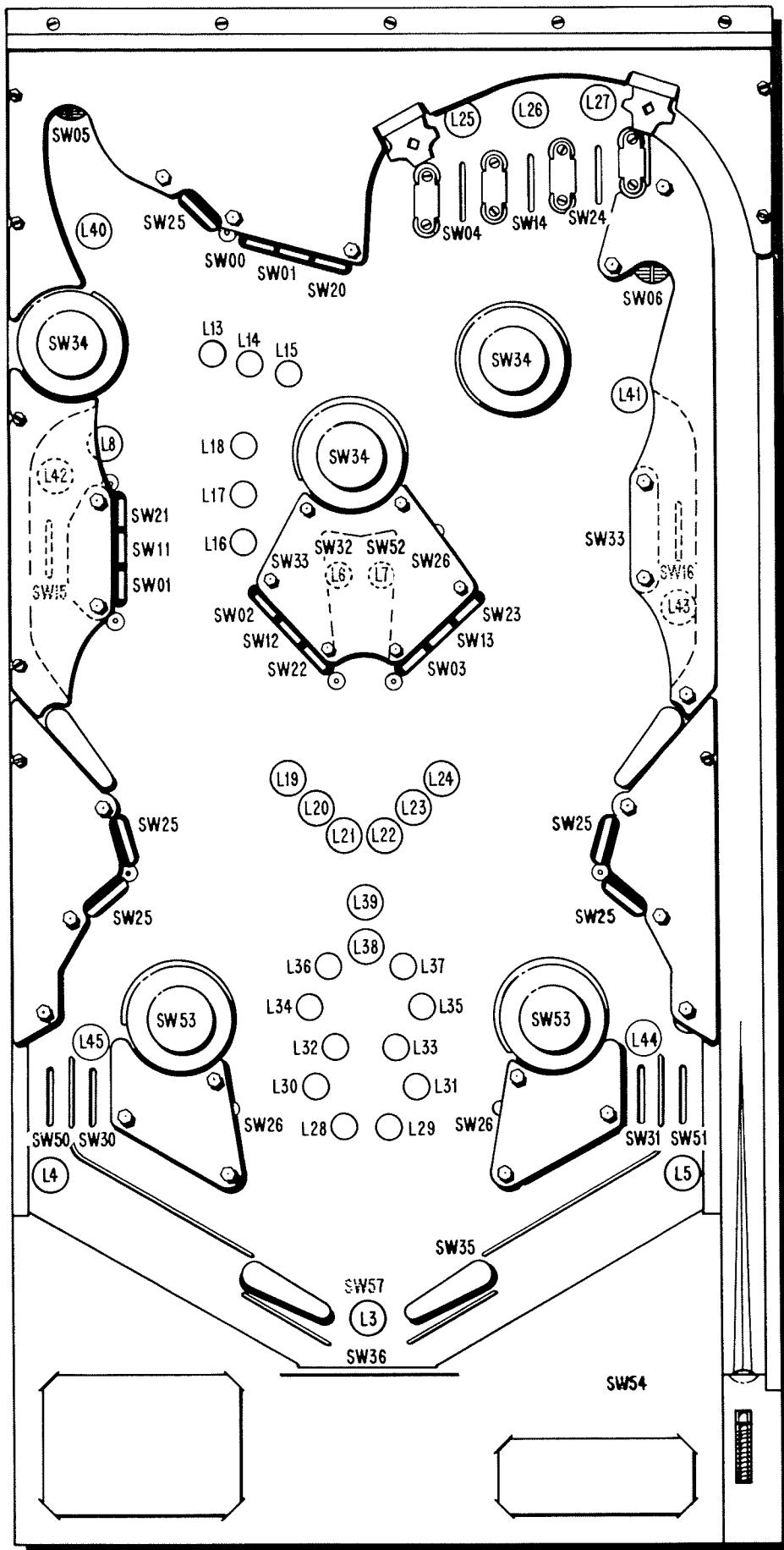
# PUNK

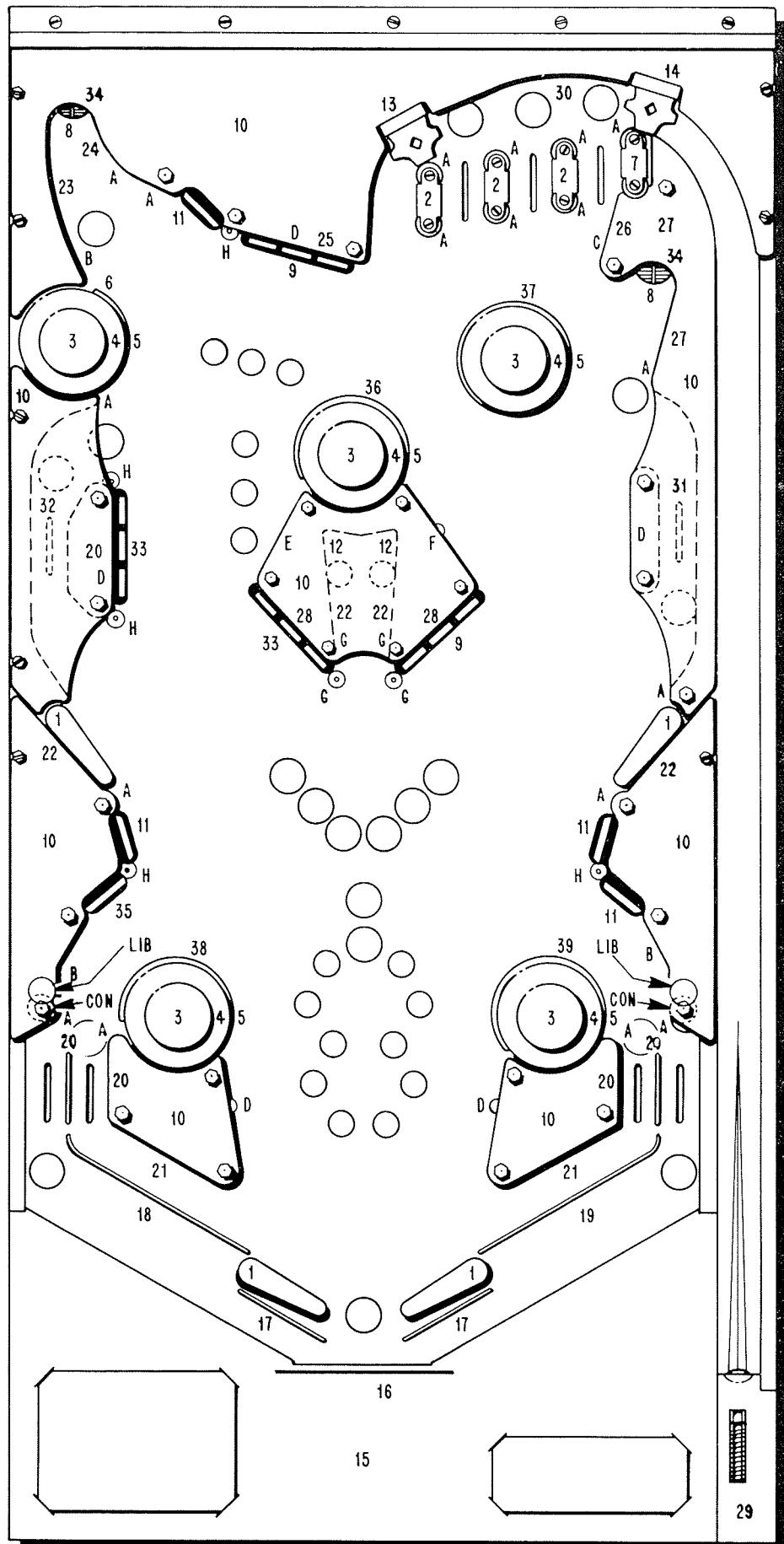
**Premier**  
Technology

## **PLAYBOARD SWITCH AND LAMP ASSIGNMENTS**

LAMP NO.	LAMP ASSIGNMENT
L3	Shoot Again
L4	L. Outside Rollover
L5	R. Outside Rollover
L6	C. Left Target
L7	C. Right Target
L8	Extra Ball
L13	#1 Top Drop Target
L14	#2 Top Drop Target
L15	#3 Top Drop Target
L16	#1 Left Drop Target
L17	#2 Left Drop Target
L18	#3 Left Drop Target
L19	#1 Center Left Drop Target
L20	#2 Center Left Drop Target
L21	#3 Center Left Drop Target
L22	#1 Center Right Drop Rarget
L23	#2 Center Right Drop Target
L24	#3 Center Right Drop Target
L25	#1 Top Rollover
L26	#2 Top Rollover
L27	#3 Top Rollover
L28	1000
L29	2000
L30	3000
L31	4000
L32	5000
L33	6000
L34	7000
L35	8000
L36	9000
L37	10000
L38	10X
L39	20X
L40	Top Left Hole
L41	Top Right Hole
L42	Left Side Rollover
L43	Right Side Rollover
L44	Right Return Rollover
L45	Left Return Rollover

<b>NO.</b>	<b>SWITCH ASSIGNMENT</b>	<b>PART NO.</b>
00	#1 Top Drop Target	B-18094
01	#1 Left Drop Target	B-18094
02	#1 Center Left Drop Target	B-18094
03	#1 Center Right Drop Target	B-18094
04	#1 Top Rollover	B-18892
05	Top Left Hole	B-19857
06	Top Right Hole	B-19857
10	#2 Top Drop Target	B-18095
11	#2 Left Drop Target	B-18095
12	#2 Center Left Drop Target	B-18095
13	#2 Center Right Drop Target	B-18095
14	#2 Top Rollover	B-18892
15	Left Side Rollover	B-19999
16	Right Side Rollover	B-18892
20	#3 Top Right Drop Target	B-18093
21	#3 Left Drop Target	B-18093
22	#3 Center Left Drop Target	B-18093
23	#3 Center Right Drop Target	B-18093
24	#3 Top Rollover	B-18892
25	Kicking Target (5)	B-20227
26	Kicking Rubber (3)	B-17842
30	Left Return Rollover	B-18892
31	Right Return Rollover	B-18892
32	Center Left Spot Target	B-20867
33	10 Point (2)	B-18079
34	Top Pop Bumper (3)	B-21352
35	On Bottom Right Flipper	B-22398
36	Outhole	B-18892
50	Left Outside Rollover	B-18892
51	Right Outside Rollover	B-18892
52	Center Right Spot Target	B-20867
53	Bottom Pop Bumper (2)	B-21352 (Left) B-21353 (Right)
54	3rd Position Card Holder	B-18892
57	Tilt	B-9141





## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(18)
B	A-10219	1"	(3)
C	A-10220	1-1/2"	(1)
D	A-10221	2"	(5)
E	A-10222	2-1/2"	(1)
F	A-10223	3"	(1)
G	A-14793	Mini	(4)
H	A-15705	Mini	(5)

### PARTS LIST

1. C-13150 White Flipper (4)
  2. A-9394Z Guide Rail, Double (3)
  3. A-22237Z Pop Bumper Cap (5)
  4. C-10434Z Pop Bumper Body (5)
  5. C-10433Z Pop Bumper Skirt (5)
  6. A-22357 Pop Bumper Trim Platter
  7. A-9393Z Guide Rail Single
  8. A-16038 Ball Snubber
  9. A-22325 Drop Target Banks (Black) (2)
  10. D-22333 Plastic Shield Set
  11. MA-169A Kicking Target (4)
  12. A-9374U Target, Spot (2)
  13. A-19646 Arch Rebound
  14. A-19645 Arch Gate
  15. E-18793 Card Holder
  16. A-6931 Ball Guide Rail
  17. A-13798 Ball Guide Rail (2)
  18. A-19996 Ball Guide Rail
  19. A-19995 Ball Guide Rail
  20. A-4831 Ball Guide Rail (5)
  21. A-4832 Ball Guide Rail (2)
  22. A-3722 Ball Guide Rail (4)
  23. A-8514 Ball Guide Rail
  24. A-20182 Ball Guide Rail
  25. A-6612 Ball Guide Rail
  26. A-17650 Ball Guide Rail
  27. A-13782 Ball Guide Rail (2)
  28. A-18070 Ball Guide Rail (2)
  29. C-9767 Ball Shooter Gauge
  30. D-22316 Metal Flat Rail
  31. B-22315 Metal Flat Rail
  32. B-22314 Metal Flat Rail
  33. A-22325 Drop Target Banks (Yellow) (2)
  34. A-11151 Liner (2)
  35. MA-169B Kicking Target
  36. A-22360 Pop Bumper Trim Platter
  37. B-8246 Pop Bumper Trim Platter
  38. A-22358 Pop Bumper Trim Platter
  39. A-22359 Pop Bumper Trim Platter
- A-21573 Mini Post Screw (2)  
 A-14792 Mini Post Screw (9)  
 A-20365 Support Post (6)  
 C-11561 Plastic Post 1" (46)

# STRIKER

Premier  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NO.

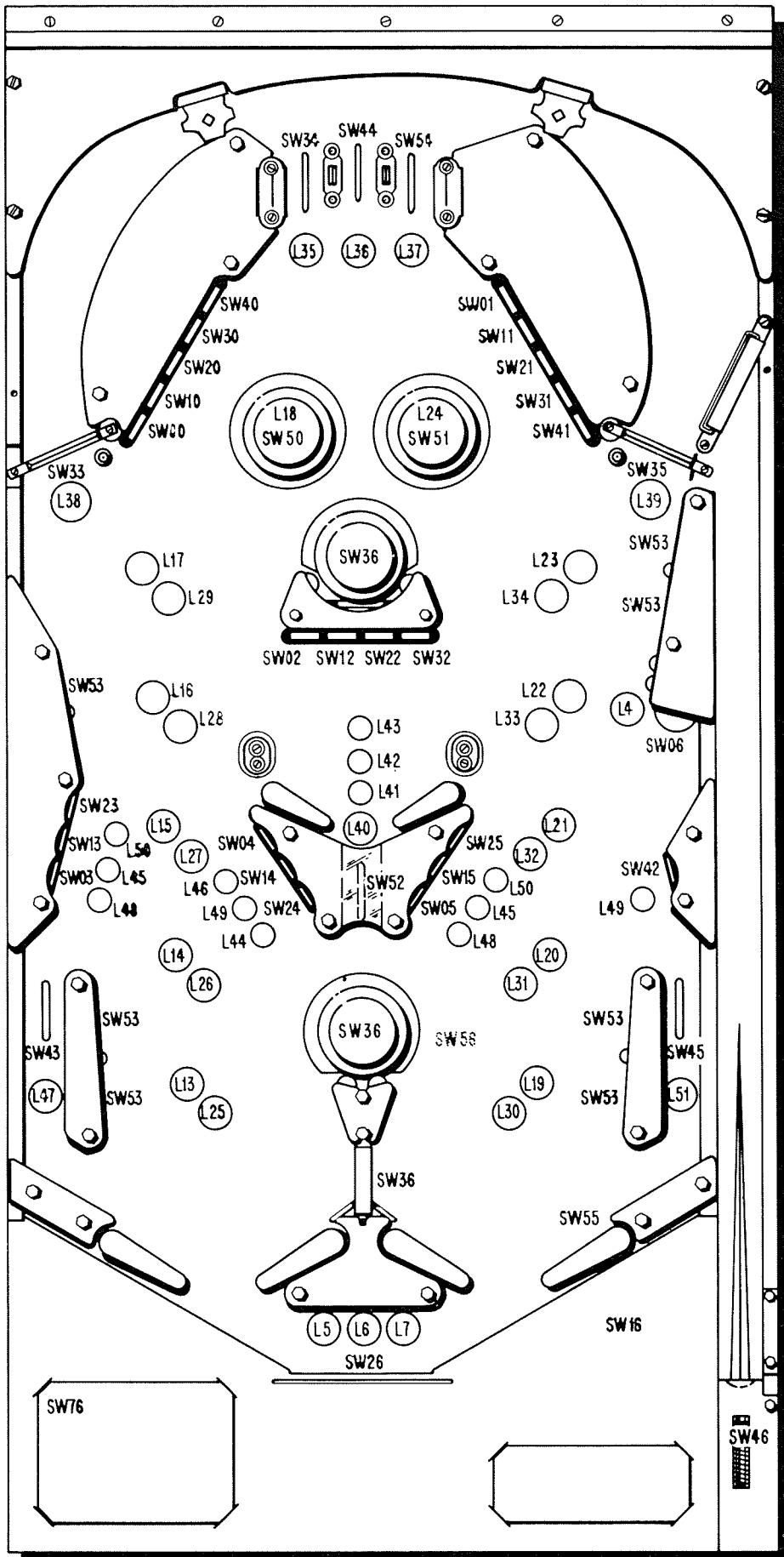
### LAMP ASSIGNMENT

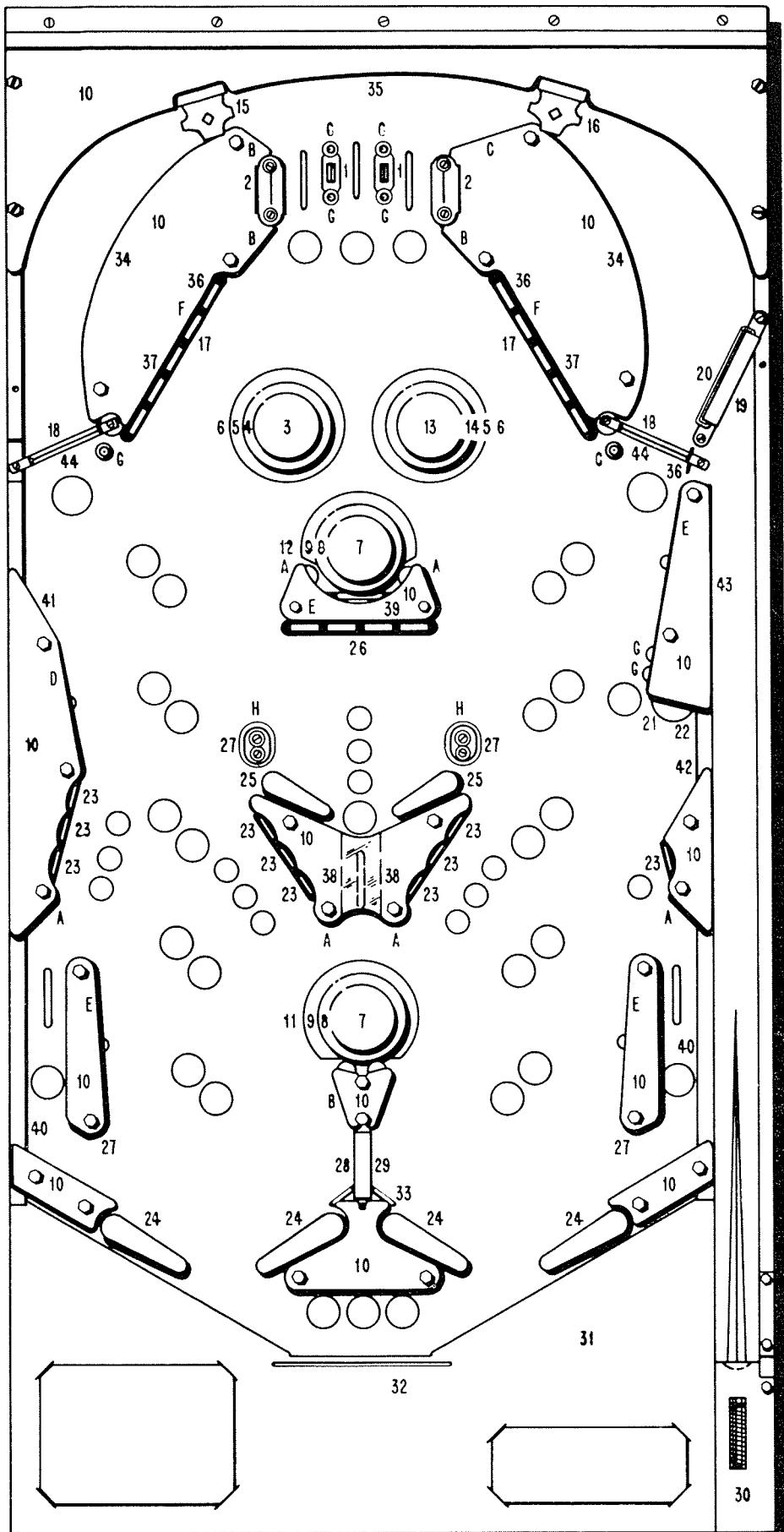
L4	Hole
L5	#1 Pass
L6	#2 Pass
L7	#3 Pass
L13	Left Defense #5
L14	Left Defense #4
L15	Left Defense #3
L16	Left Defense #2
L17	Left Defense #1
L18	Top Left Pop Bumper
L19	Right Defense #5
L20	Right Defense #4
L21	Right Defense #3
L22	Right Defense #2
L23	Right Defense #1
L25	Top Right Pop Bumper
L26	Left Offense #1
L27	Left Offense #2
L28	Left Offense #3
L29	Left Offense #4
L30	Left Offense #5
L31	Right Offense #1
L32	Right Offense #2
L33	Right Offense #3
L34	Right Offense #4
L35	Right Offense #5
L36	#1 Top Rollover
L37	#2 Top Rollover
L38	#3 Top Rollover
L39	Left Spinner
L40	Right Spinner
L41	Special
L42	Center Bank Multiplier #1
L43	Center Bank Multiplier #2
L44	Center Bank Multiplier #3
L45	#6 Spot Target
L46	#2 and #8 Spot Target
L47	#4 Spot Target
L48	Left Return Rollover
L49	#1 and #7 Spot Target
L50	#5 and #10 Spot Target
L51	#3 and #9 Spot Target
L52	Right Return Rollover

### SWITCH MATRIX NO.

### SWITCH ASSIGNMENT

00	#1 Left Drop Target	B-18094
01	#1 Right Drop Target	B-18094
02	#1 Center Drop Target	B-18094
03	#1 Spot Target	B-20867
04	#4 Spot Target	B-20867
05	#7 Spot Target	B-20867
06	Hole	B-19857
10	#2 Left Drop Target	B-18094
11	#2 Right Drop Target	B-18094
12	#2 Center Drop Target	B-18095
13	#2 Spot Target	B-20867
14	#5 Spot Target	B-20867
15	#8 Spot Target	B-20867
16	1st Position Trough	B-18892
20	#3 Left Drop Target	B-18095
21	#3 Right Drop Target	B-18095
22	#3 Center Drop Target	B-18093
23	#3 Spot Target	B-20867
24	#6 Spot Target	B-20867
25	#9 Spot Target	B-20867
26	Outhole	B-18892
30	#4 Left Drop Target	B-18093
31	#4 Right Drop Target	B-18093
32	#4 Center Drop Target	B-18093
33	Left Spinner	B-19353
34	#1 Top Rollover	B-18892
35	Right Spinner	B-19354
36	Rollounder Plus Top and Bottom Center Pop Bumpers	(Rollounder) B-21137 (Pop Bumpers) B-21352
40	#5 Left Drop Target	B-18093
41	#5 Right Drop Target	B-18093
42	#10 Spot Target	B-20867
43	Left Return Rollover	B-18892
44	#2 Top Rollover	B-18892
45	Right Return Rollover	B-18892
46	Right Button (Green)	B-17838
50	Left Top Pop Bumper	B-21353
51	Right Top Pop Bumper	B-21352
52	Special Rollover	B-18892
53	10 Point and (Kicker)(7)	B-17842
	Kicking (10 Pt Upper Right)(1)	B-18086
	Rubber (10 Pt)(3)	B-18808
54	#3 Top Rollover	B-18892
55	Right Flipper Switch	B-22398
56	Tilt	B-9141
76	Left Button (Green)	B-17838





# **PLAYBOARD PARTS**

## RUBBER RINGS

A	A-10217	5/16"	(6)
B	A-10219	1"	(4)
C	A-10220	1-1/2"	(1)
D	A-10221	2"	(1)
E	A-10222	2-1/2"	(4)
F	A-10223	3"	(2)
G	A-15705	Mini	(8)
H	A-17493	Mini	(2)

## PARTS LIST

- |     |          |                             |
|-----|----------|-----------------------------|
| 1.  | C-15646T | Rollover Guide, Yellow (2)  |
| 2.  | A-9393T  | Guide Rail, Yellow (2)      |
| 3.  | A-22482  | Pop Bumper Cap, Yellow      |
| 4.  | A-22488  | Pop Bumper Body, Yellow     |
| 5.  | C-10433T | Pop Bumper Skirt, Yellow    |
| 6.  | B-8246   | Pop Bumper Trim Platter (2) |
| 7.  | C-10434  | Pop Bumper Cap, White (2)   |
| 8.  | A-13905  | Pop Bumper Body, White (2)  |
| 9.  | C-10433Z | Pop Bumper Skirt, White (2) |
| 10. | D-22438  | Plastic Shield Set          |
| 11. | A-22441  | Pop Bumper Trim Platter     |
| 12. | A-15845  | Pop Bumper Trim Platter     |
| 13. | A-22484  | Pop Bumper Cap, Yellow      |
| 14. | A-22486  | Pop Bumper Body, Yellow     |
| 15. | A-19646  | Arch Rebound                |
| 16. | A-19645  | Arch Gate                   |
| 17. | A-22480  | Drop Target Bank, White (2) |
| 18. | A-14043  | Target Shield (2)           |
| 19. | A-1673   | Shield                      |
| 20. | A-1674   | Gate Wireform               |
| 21. | A-11151  | Liner                       |
| 22. | A-16038  | Ball Snubber                |
| 23. | A-14787  | Target, White (10)          |
| 24. | C-13150  | Flipper, White (4)          |
| 25. | C-11241  | Flipper, White (Small)(2)   |
| 26. | A-13179  | Drop Target Bank, Black (2) |
| 27. | C-17492Z | Siamese Post, White (4)     |
| 28. | A-4705   | Gate Shield                 |
| 29. | A-22118  | Gate Wireform               |
| 30. | C-9767   | Ball Shooter Gauge          |
| 31. | E-18793  | Cardholder                  |
| 32. | A-6931   | Ball Guide Rail             |
| 33. | A-22432  | Ball Guide Rail             |
| 34. | B-21165  | Ball Guide Rail (2)         |
| 35. | D-19649  | Arch Rod                    |
| 36. | A-18070  | Ball Guide Rail (3)         |
| 37. | A-6612   | Ball Guide Rail (2)         |
| 38. | A-20099  | Ball Guide Rail (2)         |
| 39. | A-17106  | Ball Guide Rail             |
| 40. | B-22434  | Metal Flat Rail (2)         |
| 41. | A-22435  | Metal Flat Rail             |
| 42. | A-22433  | Metal Flat Rail             |
| 43. | A-11703  | Ball Guide Rail             |
| 44. | A-20388  | Swinging Target (2)         |
|     | A-14792  | Mini Post Screw (9)         |
|     | A-21573  | Mini Post Screw (4)         |

# Q\*BERT'S QUEST

Premier  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NO.

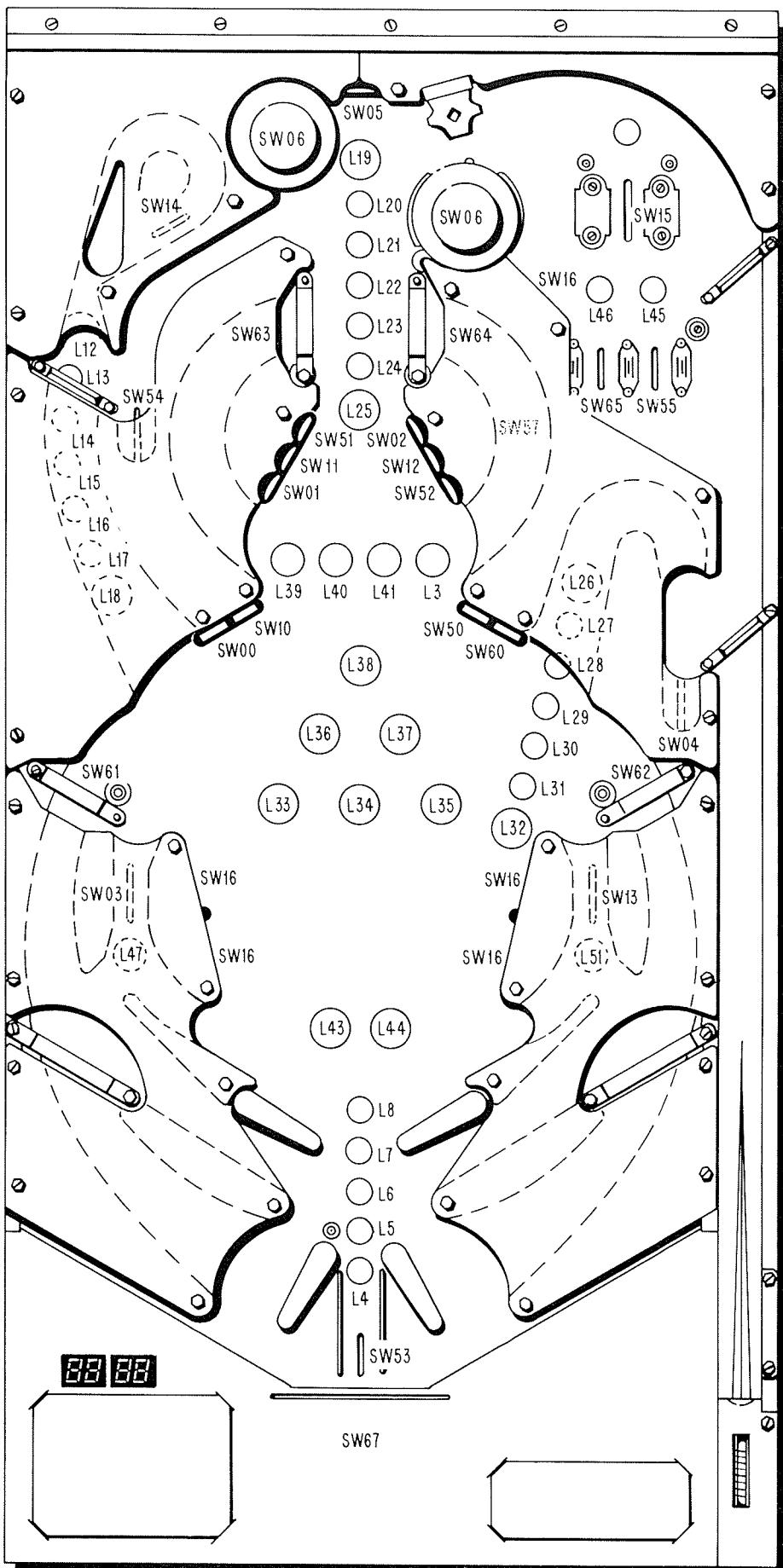
### LAMP ASSIGNMENT

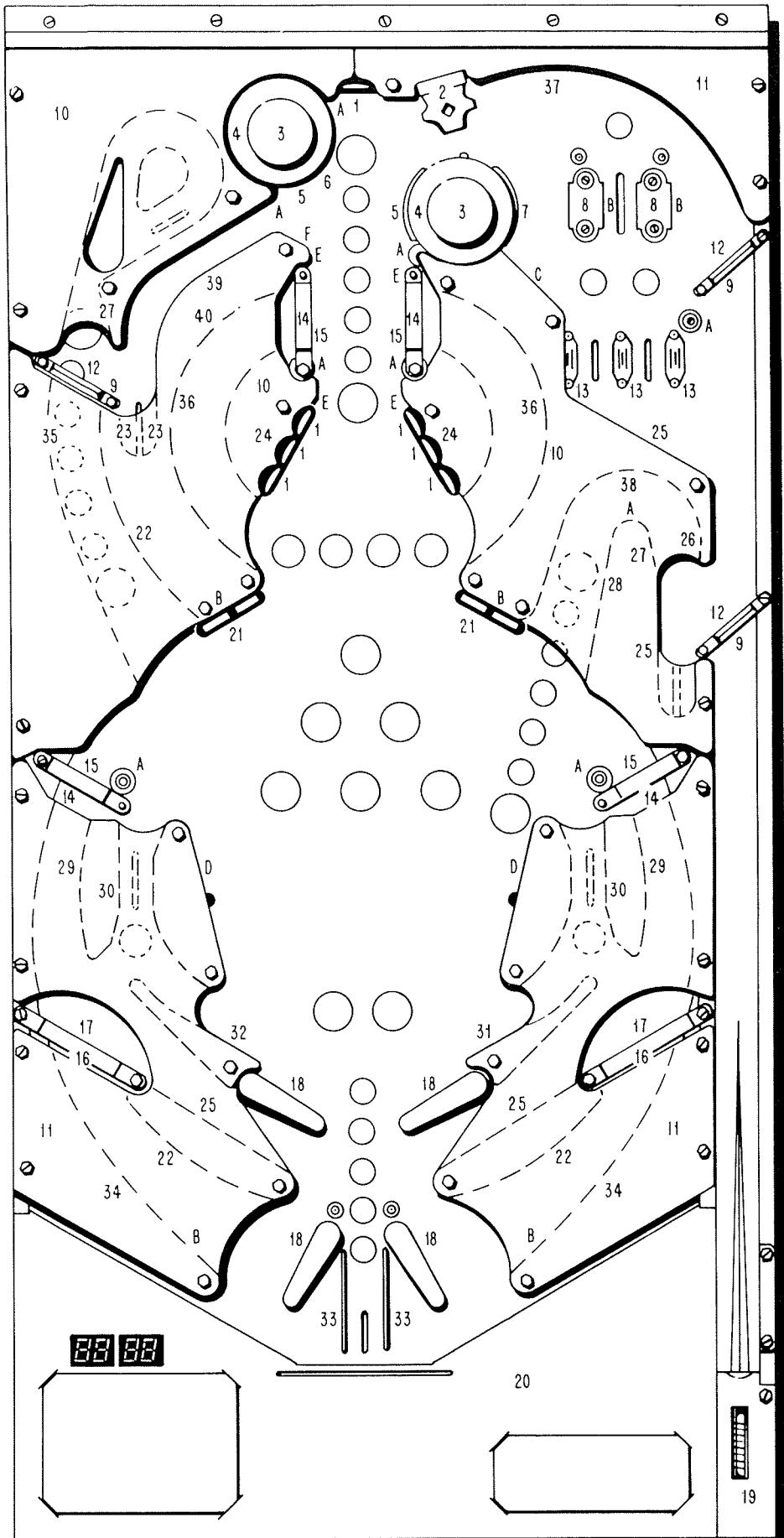
L3	Shoot Again
L4	No. 1 Pyramid
L5	No. 2 Pyramid
L6	No. 3 Pyramid
L7	No. 4 Pyramid
L8	No. 5 Pyramid
L12	Left Villain #1
L13	Left Villain #2
L14	Left Villain #3
L15	Left Villain #4
L16	Left Villain #5
L17	Left Villain #6
L18	Left Villain #7
L19	Center Villain #1
L20	Center Villain #2
L21	Center Villain #3
L22	Center Villain #4
L23	Center Villain #5
L24	Center Villain #6
L25	Center Villain #7
L26	Right Villain #1
L27	Right Villain #2
L28	Right Villain #3
L29	Right Villain #4
L30	Right Villain #5
L31	Right Villain #6
L32	Right Villain #7
L33	#1 Pyramid Cube
L34	#2 Pyramid Cube
L35	#3 Pyramid Cube
L36	#4 Pyramid Cube
L37	#5 Pyramid Cube
L38	#6 Pyramid Cube
L39	1st Villain Hit
L40	2nd Villain Hit
L41	3rd Villain Hit
L42	Not Used
L43	Super Pyramid (100,000) Special
L44	Top Right Outer Rollover
L45	Top Right Inner Rollover
L46	Left Return Rollover
L47	Not Used
L48	Not Used
L49	Not Used
L50	Not Used
L51	Right Return Rollover

### SWITCH MATRIX NO.

### SWITCH ASSIGNMENT

00	#1 Left Drop Target	B-18095
01	#1 Left Spot Target	B-20867
02	#1 Right Spot Target	B-20867
03	Left Return Rollover	B-18892
04	Right Shooter	B-18892
05	Top Center Spot Target	B-20867
06	Pop Bumper (2)(Upper Right) (Upper Left)	B-21352
10	#2 Left Drop Target	B-18093
11	#2 Left Spot Target	B-20867
12	#2 Right Spot Target	B-20867
13	Right Return Rollover	B-18892
14	Left Captive Loop Rollover	B-18892
15	Top Rollover	B-18892
16	10 Point (3) (Upper Right) Kicking Rubber	B-22227
50	#1 Right Drop Target	B-18095
51	#3 Left Spot Target	B-20867
52	#3 Right Spot Target	B-20867
53	Bottom Center Rollover	B-18892
54	Left Shooter	B-18892
55	Top Right Rollover	B-18892
57	Tilt	B-9141
60	#2 Right Drop Target	B-18093
61	Bottom Left Rollunder	B-22672
62	Bottom Right Rollunder	B-22672
63	Top Left Rollunder	B-22672
64	Top Right Rollunder	B-22672
65	Top Left Rollover	B-18892
67	Outhole	B-18892





## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(10)
B	A-10219	1"	(6)
C	A-10220	1-1/2"	(1)
D	A-10222	2-1/2"	(2)
E	A-15705	Mini	(5)
F	A-14793	Mini	(1)

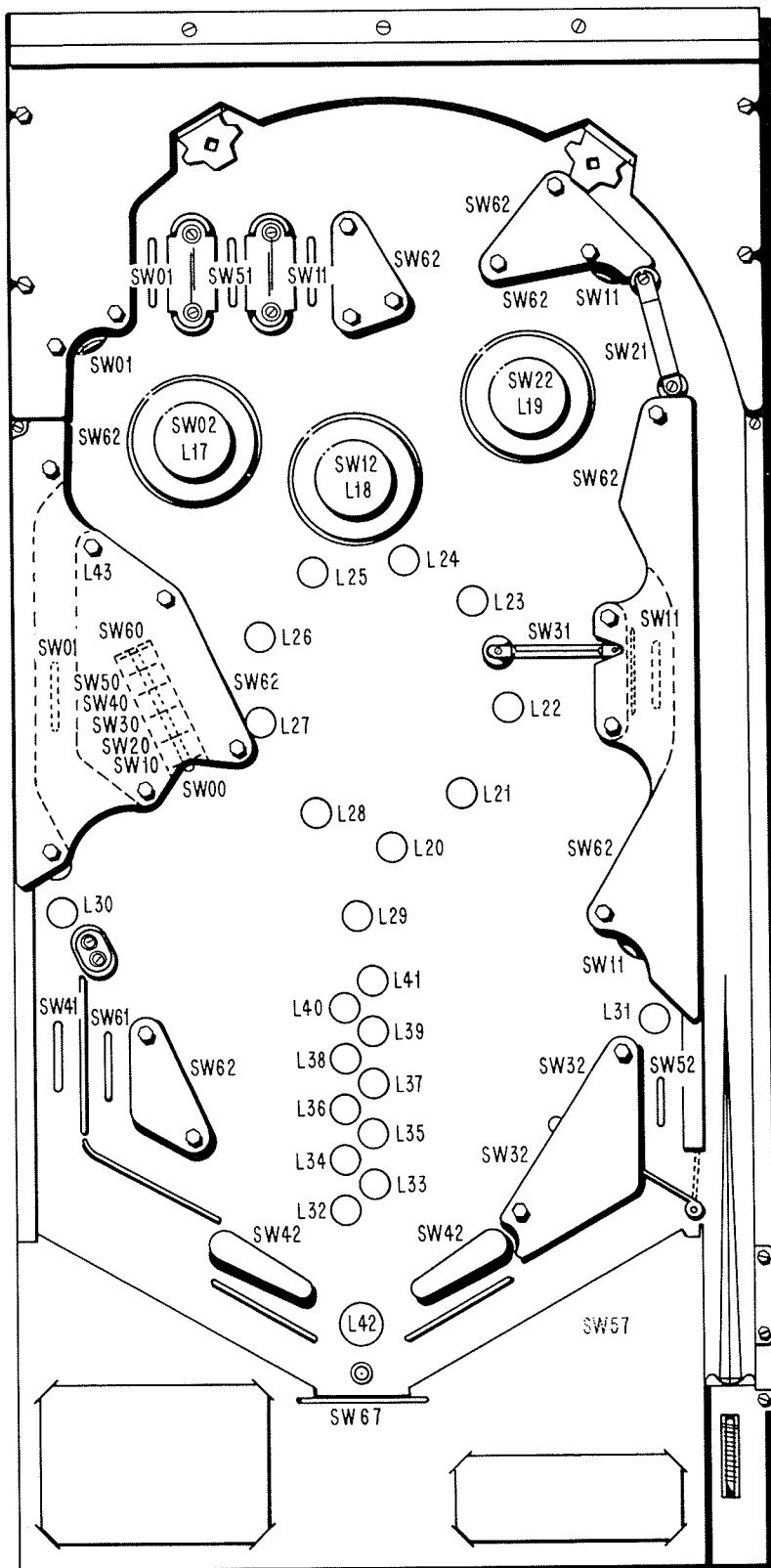
### PARTS LIST

1. A-9374T Target, Yellow (7)
2. A-19646 Arch Rebound
3. C-10434Z Pop Bumper Cap, White (2)
4. A-22708 Pop Bumper Decal (2)
5. D-10435Z Pop Bumper Body, White (2)
6. C-10433Z Pop Bumper Skirt, White (2)
7. A-22643 Pop Bumper Trim Platter
8. A-22644 Pop Bumper Trim Platter
9. A-9393Z Guide Rail, White (2)
9. A-17300 Gate Shield (2)
10. D-22630-2 Plastic Shield Set
11. D-22629-2 Plastic Shield Set
12. A-22112 Gate Wireform (2)
13. C-15646Z Rollover Guide, White (3)
14. A-4869 Rollunder Shield (4)
15. A-22118 Rollunder Gate (4)
16. A-1673 Shield (2)
17. A-1674 Gate Wireform (2)
18. C-13150 Flipper, White (4)
19. C-9767 Ball Shooter Gauge
20. D-20187 Cardholder
21. B-11905Z Drop Target, White (4)
22. A-22623 Left Decal (Drop Target)
23. A-22624 Right Decal (Drop Target)
24. A-4246 Ball Guide Rail (3)
25. A-6612 Ball Guide Rail (2)
26. A-4833 Ball Guide Rail (2)
27. A-13833 Ball Guide Rail (4)
28. A-4831 Ball Guide Rail
29. A-18070 Ball Guide Rail (2)
30. A-13782 Ball Guide Rail
31. A-8514 Ball Guide Rail (2)
32. A-3722 Ball Guide Rail (2)
33. A-12106 Ball Guide Rail
34. A-12107 Ball Guide Rail
35. A-4832 Ball Guide Rail (2)
36. D-22611 Metal Flat Rail (2)
37. D-22612 Metal Flat Rail
38. C-22609 Metal Flat Rail (2)
39. D-22610 Metal Flat Rail
40. B-22606 Metal Flat Rail
41. B-22607 Metal Flat Rail
42. B-22608 Metal Flat Rail
- C-11561P Mini Post (32)
- A-14792 Mini Post Screw (25)
- A-21575 Mini Post Screw (9)
- C-17492Z Siamese Post
- A-20635P Support Post

## **SUPER ORBIT**

**Premier**<sup>®</sup>  
*Technology*

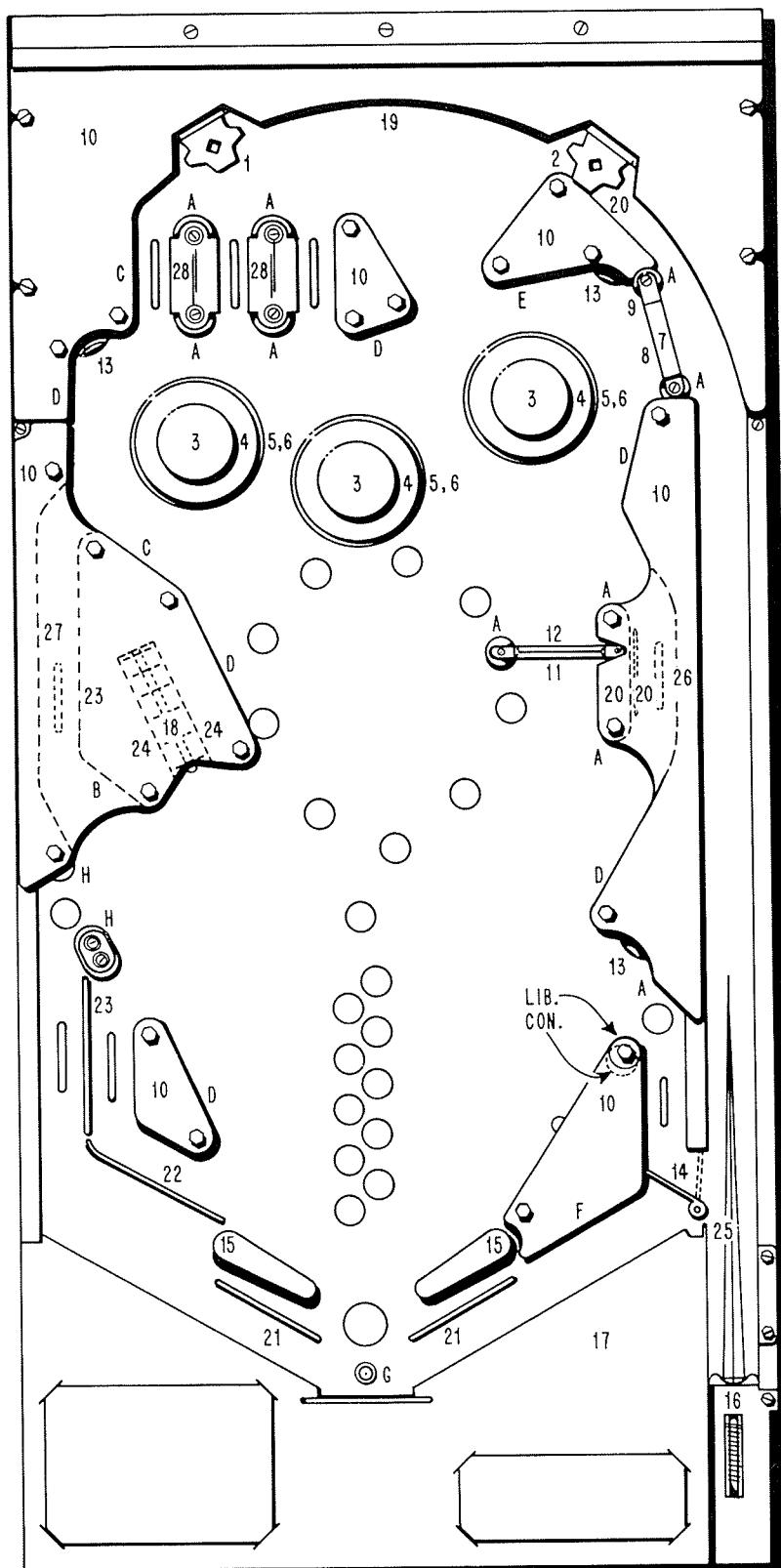
## **PLAYBOARD SWITCH AND LAMP ASSIGNMENTS**



LAMP NO.	LAMP ASSIGNMENT
L17	Left Pop Bumper
L18	Center Pop Bumper
L19	Right Pop Bumper
L20	1
L21	2
L22	3
L23	4
L24	5
L25	6
L26	7
L27	8
L28	9
L29	10
L30	Left Outside Rollover
L31	Right Outside Rollover
L32	10,000
L33	20,000
L34	30,000
L35	40,000
L36	50,000
L37	60,000
L38	70,000
L39	80,000
L40	90,000
L41	100,000
L42	Double Bonus
L43	Vari-Target Special

SWITCH MATRIX		SWITCH ASSIGNMENT	PART NO.
NO.			
00		Vari-Target, Position 0	B-11538
01		Top Left Rollover	B-18892
		Top Left Target	B-20867
		Left Side Rollover	B-18892
02		Left Pop Bumper	B-21353
10		Vari-Target, Position 1	B-11538
11		Top Right Rollover	B-18892
		Top Right Target	B-20867
		Right Side Rollover	B-18892
		Right Lower Target	B-20867
12		Center Pop Bumper	B-21353
20		Vari-Target, Position 2	B-11538
21		Rollunder	B-21137
22		Right Pop Bumper	B-21353
30		Vari-Target, Position 3	B-11538
31		Spin Target	B-19354
32		Kicking Rubber (2)	B-22224
40		Vari-Target, Position 4	B-11538
41		Left Outside Rollover	B-18892
42		On Left Flipper	B-22478
		On Right Flipper	B-22398
50		Vari-Target, Position 5	B-11538
51		Top Center Rollover	B-18892
52		Right Outside Rollover	B-18892
57		Tilt	B-9141
60		Vari-Target, Position 6	B-11538
61		Left Return Rollover	B-18892
62		10 Points (8)	B-22227
67		Outhole	B-18892

## SUPER ORBIT



### PLAYBOARD PARTS

#### RUBBER RINGS

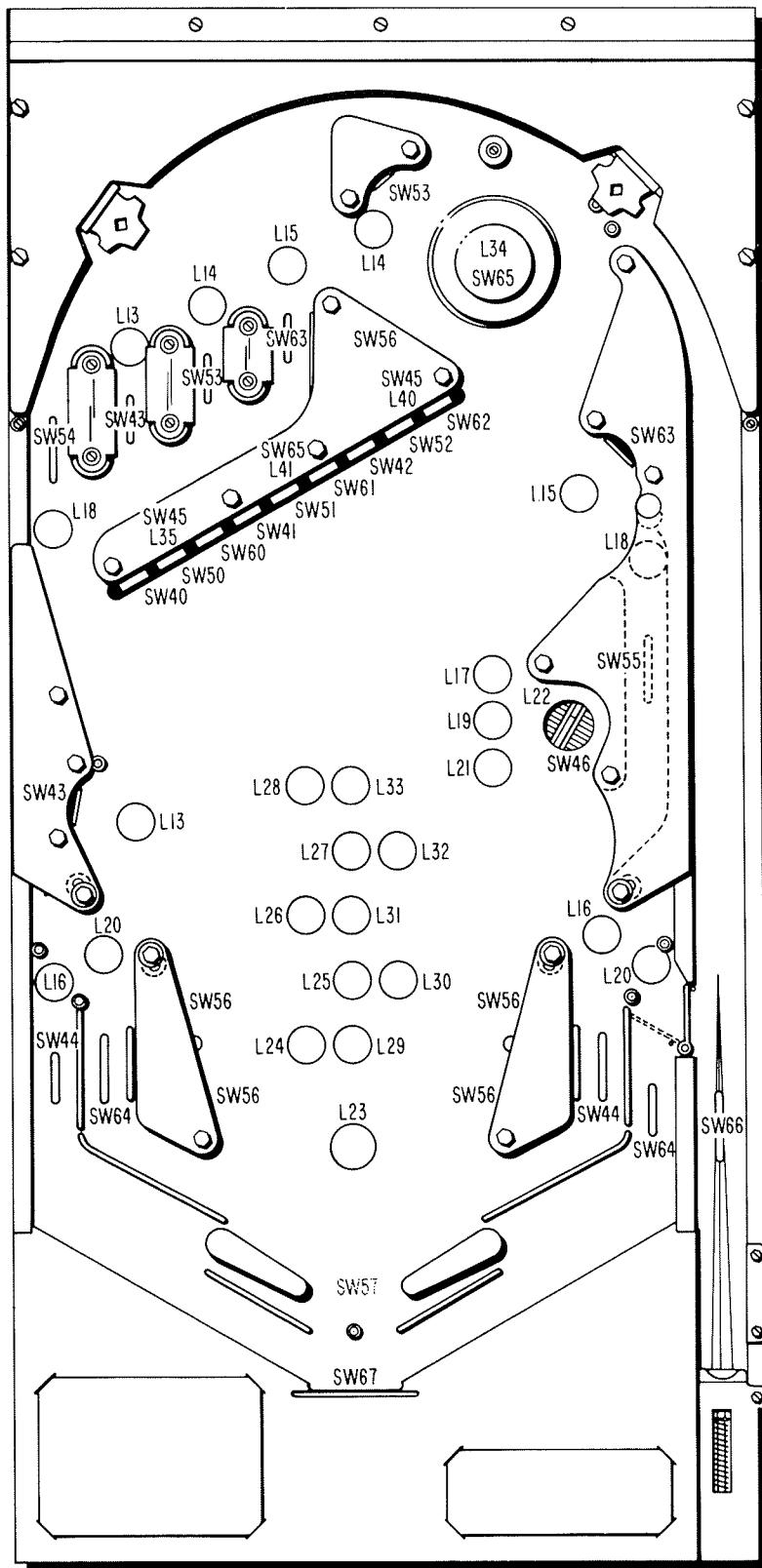
A	A-10217	5/16"	(10)
B	A-10219	1"	(1)
C	A-10220	1-1/2"	(2)
D	A-10221	2"	(6)
E	A-10222	2-1/2"	(1)
F	A-10224	3-1/2"	(1)
G	A-15705	Mini	(1)
H	A-17493	Mini	(2)

#### PARTS LIST

1. A-19646 Arch Rebound
2. A-19645 Arch Gate
3. A-15980 Pop Bumper Cap, White (3)
4. A-21298 Pop Bumper Body, White (3)
5. C-10433Z Pop Bumper Skirt, White (3)
6. B-8246 Pop Bumper Trim Platter (3)
7. A-4869 Rollunder Shield
8. A-4706 Rollunder Gate
9. A-14236 Spring
10. D-22777 Plastic Shield Set
11. A-14043 Shield
12. A-20388 Swinging Target
13. A-9374Z Target, White (3)
14. A-13652 Gate Wireform
15. C-13150 Flipper, White (2)
16. C-9767 Ball Shooter Guage
17. D-13647 Cardholder
18. MA-412 Vari-Target
19. D-22744 Arch Rod
20. A-3722 Ball Guide Rail (3)
21. A-13798 Ball Guide Rail
22. A-12107 Ball Guide Rail
23. A-4833 Ball Guide Rail (2)
24. A-4832 Ball Guide Rail (2)
25. A-6931 Ball Guide Rail
26. A-12431 Metal Flat Rail
27. B-13891 Metal Flat Rail
28. A-9396Z Guide Rail, White (2)
  
- A-14792 Mini Post Screw (1)
- A-20635 Plastic Support Post (1)
- B-19875P Arch Rod Suppost Post (2)
- C-11561 Plastic Post (37)
- C-11562 Plastic Post (2)
- C-17492 Siamese Post (2)

## **ROYAL FLUSH DELUXE**

**Premier**<sup>®</sup>  
Technology

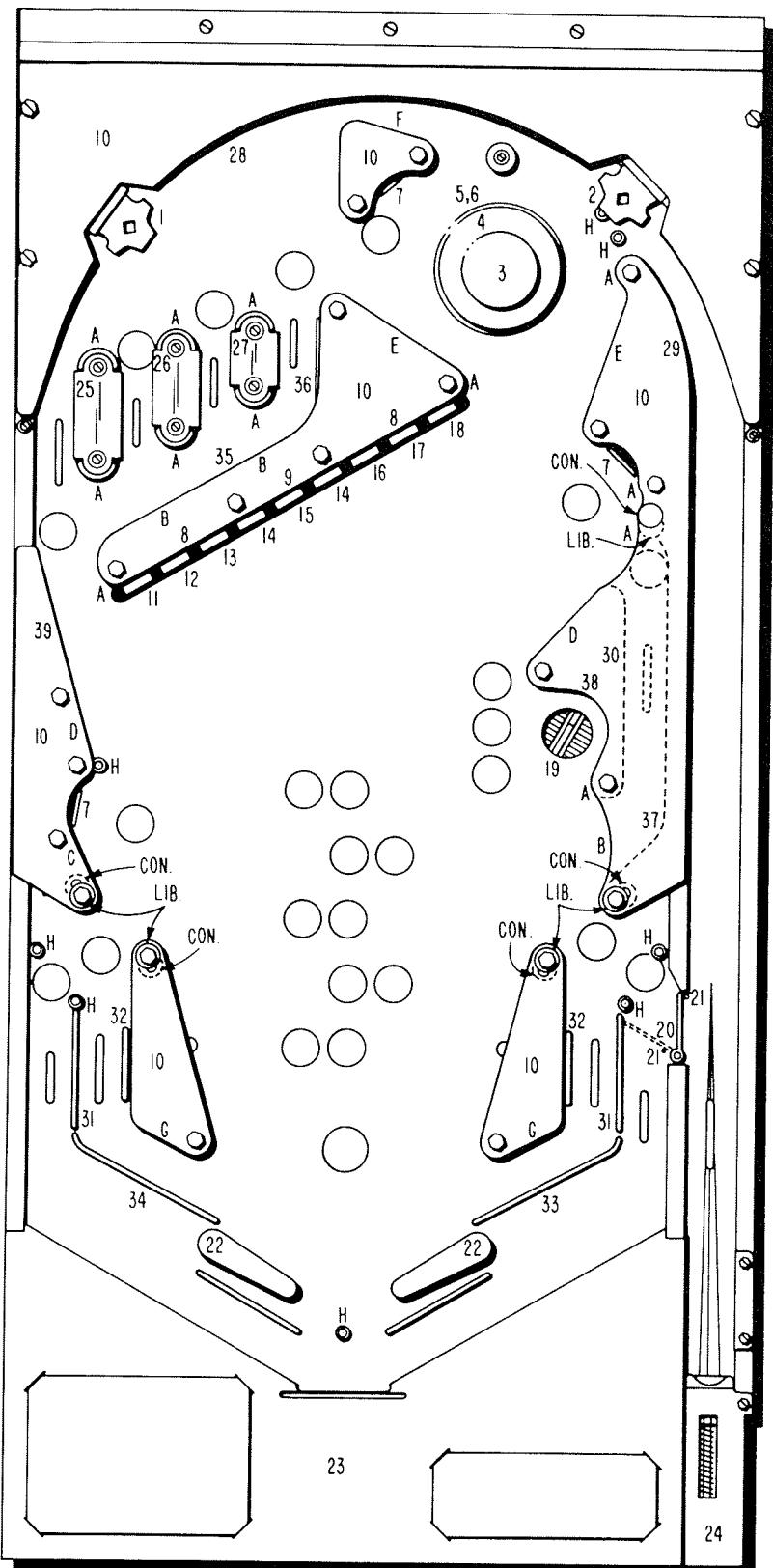


## **PLAYBOARD SWITCH AND LAMP ASSIGNMENTS**

LAMP NO.	LAMP ASSIGNMENT
L13	Top Left Rollover Left Spot Target
L14	Top Center Rollover Top Spot Target
L15	Top Right Rollover Right Spot Target
L16	Left Outside Rollover Right Return Rollover
L17	Green Hole
L18	Left Side Rollover Right Side Rollover
L19	Amber Hole
L20	Left Return Rollover Right Outside Rollover
L21	Red Hole
L22	Special Hole
L23	Double Bonus
L24	10,000 Left Bonus
L25	20,000 Left Bonus
L26	30,000 Left Bonus
L27	40,000 Left Bonus
L28	50,000 Left Bonus
L29	10,000 Right Bonus
L30	20,000 Right Bonus
L31	30,000 Right Bonus
L32	40,000 Right Bonus
L33	50,000 Right Bonus
L34	Pop Bumper
L35	Left DIP Target
L40	Right DIP Target
L41	Center DIP Target

SWITCH MATRIX		PART NO.
NO.	SWITCH ASSIGNMENT	
40	#1 Drop Target	B-18094
41	#4 Drop Target	B-18094
42	#7 Drop Target	B-18094
43	Left Target	B-20867
	Top Left Rollover	B-18892
44	Left Outside Rollover	B-18892
	Right Return Rollover	B-19754
45	Left DIP Target	B-222820
	Right DIP Target	B-222820
46	Hole	B-19857
50	#2 Drop Target	B-18095
51	#5 Drop Target	B-18095
52	#8 Drop Target	B-18095
53	Top Target	B-20867
	Top Center Rollover	B-18892
54	Left Side Rollover	B-18892
55	Right Side Rollover	B-18892
56	10 points (5)	(4 Lower) B-22224 (Upper) B-22227
57	Tilt	B-9141
60	#3 Drop Target	B-18093
61	#6 Drop Target	B-18093
62	#9 Drop Target	B-18093
63	Right Target	B-20867
	Top Right Rollover	B-19388
64	Left Return Rollover	B-18892
	Right Outside Rollover	B-18892
65	Center DIP Target	B-222820
	Pop Bumper	B-21353
66	Runway	B-19754
67	Outhole	B-18892

## ROYAL FLUSH DELUXE



### PLAYBOARD PARTS

#### RUBBER RINGS

A	A-10217	5/16"	(12)
B	A-10218	1/2"	(3)
C	A-10219	1"	(1)
D	A-10220	1-1/2"	(2)
E	A-10221	2"	(2)
F	A-10222	2-1/2"	(1)
G	A-10223	3"	(2)
H	A-15705	Mini	(8)

#### PARTS LIST

1. A-19646 Arch Rebound
2. A-19645 Arch Gate
3. A-16883 Pop Bumper Cap, White
4. C-10435Z Pop Bumper Body, White
5. C-10433Z Pop Bumper Skirt, White
6. B-8246 Pop Bumper Trim Platter
7. A-9374Z Target, White (3)
8. A-15747W DIP Target, Blue (2)
9. A-15749U DIP Target, Red
10. D-22803 Plastic Shield Set
11. A-13449L Drop Target, Red
12. A-13448Y Drop Target, Black
13. A-13448U Drop Target, Red
14. A-13447Y Drop Target, Black (2)
15. A-13447U Drop Target, Red
16. A-13446U Drop Target, Red
17. A-13446Y Drop Target, Black
18. A-13445U Drop Target, Red
19. A-11151 Hole Liner
20. A-13652 Gate Wireform
21. A-10542 Pin (2)
22. C-13150 Flipper, White (2)
23. D-13647 Cardholder
24. C-9767 Ball Shooter Guage
25. A-9398Z Rollover Guide, White
26. A-9396Z Rollover Guide, White
27. A-9394Z Rollover Guide, White
28. D-22747 Arch Shield Retainer
29. A-4831 Ball Guide Rail
30. A-4833 Ball Guide Rail
31. A-4832 Ball Guide Rail (2)
32. A-6612 Ball Guide Rail (2)
33. A-14571 Ball Guide Rail
34. A-14572 Ball Guide Rail
35. A-12570 Ball Guide Rail
36. A-17106 Ball Guide Rail
37. A-8688 Metal Flat Rail
38. A-5867 Metal Shield
39. A-22818 Metal Flat Rail
- A-14792 Mini Post Screw (11)
- C-11561PX Plastic Post (37)

# AMAZON HUNT

**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

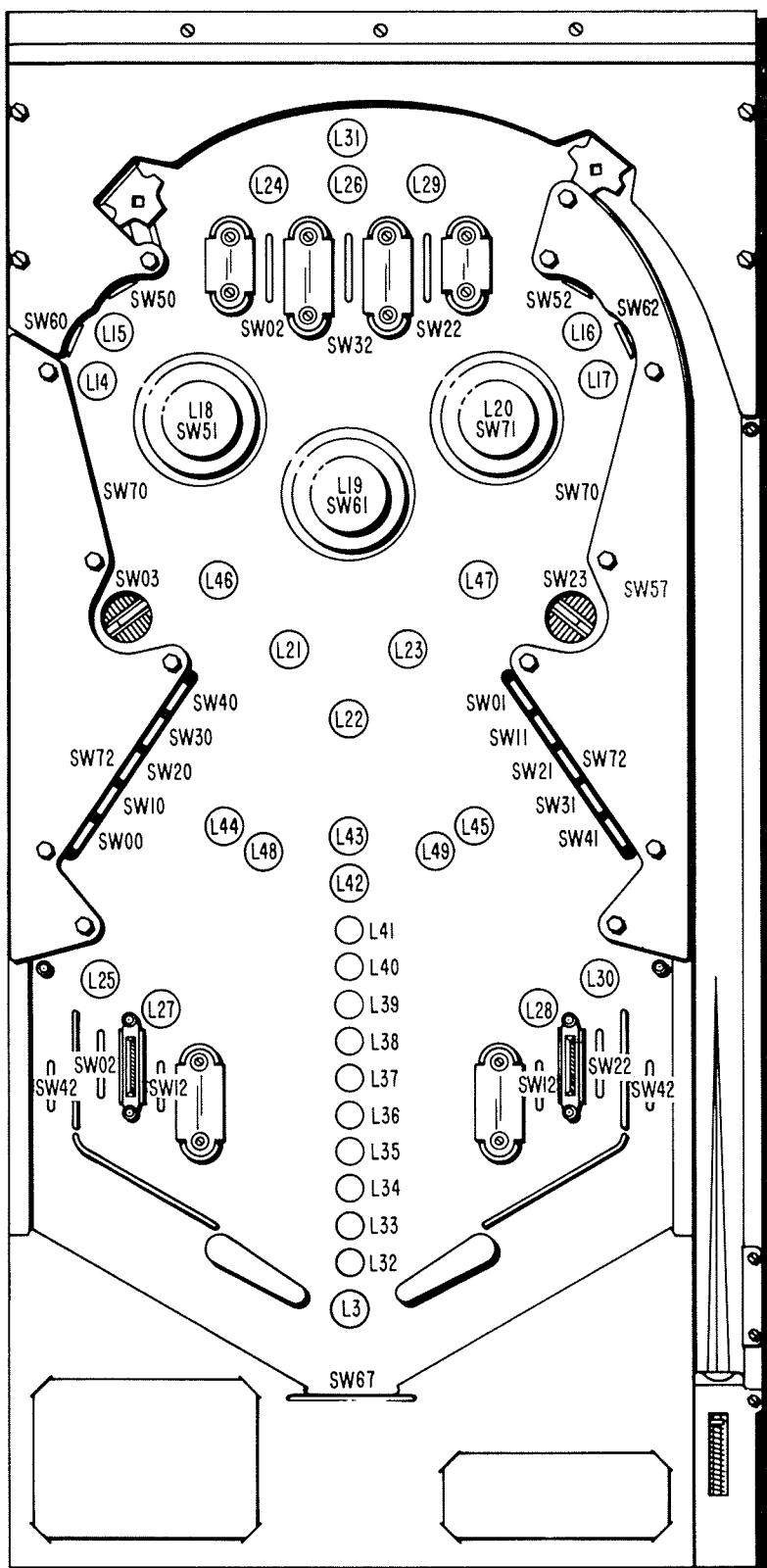
### LAMP NO. LAMP ASSIGNMENT

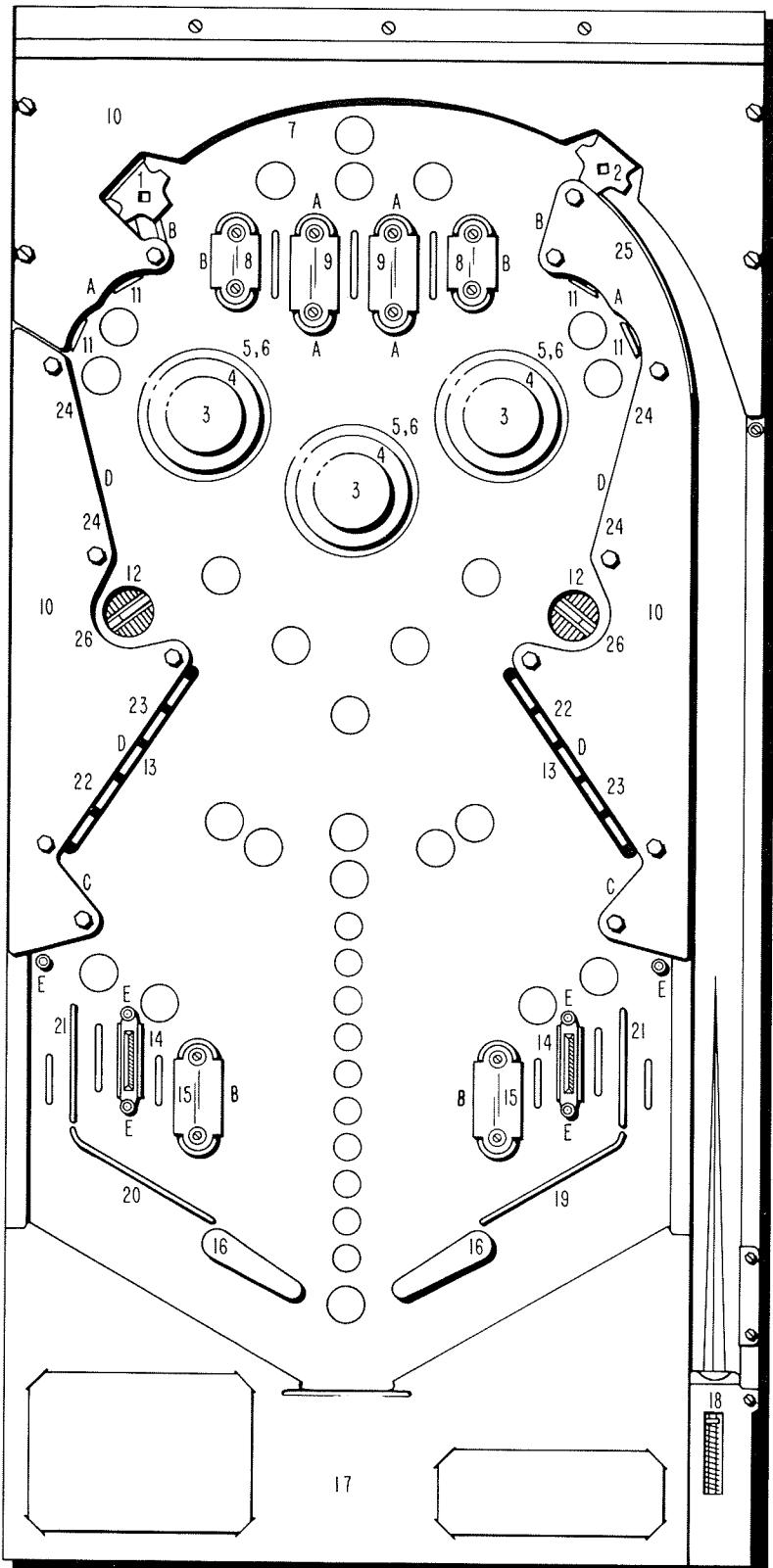
L3	Shoot Again
L14	#1 Top Target
L15	#2 Top Target
L16	#3 Top Target
L17	#4 Top Target
L18	Left Pop Bumper
L19	Center Pop Bumper
L20	Right Pop Bumper
L21	#1 Hole
L22	#2 Hole
L23	#3 Hole
L24	Top Left Rollover
L25	#1 Left Return Rollover
L26	Top Center Rollover
L27	#2 Left Return Rollover
L28	#1 Right Return Rollover
L29	Top Right Rollover
L30	#2 Right Rollover
L31	Extra Ball
L32	10,000
L33	20,000
L34	30,000
L35	40,000
L36	50,000
L37	60,000
L38	70,000
L39	80,000
L40	90,000
L41	100,000
L42	2X
L43	3X
L44	Left 50,000
L45	Right 50,000
L46	Left Special
L47	Right Special
L48	Left 5000
L49	Right 5000

### SWITCH MATRIX NO.

### SWITCH ASSIGNMENT

NO.	SWITCH ASSIGNMENT	PART NO.
00	#1 Left Drop Target	B-18094
01	#1 Right Drop Target	B-18094
02	Top Left Rollover	B-18892
03	#1 Left Return Rollover	B-18892
10	Left Hole	B-19857
11	#2 Left Drop Target	B-18094
12	#2 Right Drop Target	B-18094
20	#1 Right Return Rollover	B-18892
21	#3 Left Drop Target	B-18095
22	#3 Right Drop Target	B-18095
23	Top Right Rollover	B-18892
24	#2 Right Return Rollover	B-18892
25	Right Hole	B-19857
30	#4 Left Drop Target	B-18093
31	#4 Right Drop Target	B-18093
32	Top Center Rollover	B-18892
40	#5 Left Drop Target	B-18093
41	#5 Right Drop Target	B-18093
42	Left Outside Rollover	B-18892
50	Right Outside Rollover	B-18892
51	#2 Top Target	B-20867
52	Left Pop Bumper	B-21352
57	#3 Top Target	B-20867
60	Tilt	B-9141
61	#1 Top Target	B-20867
62	Center Pop Bumper	B-21352
67	#4 Top Target	B-20867
70	Outhole	B-18892
71	10 Point (2)	B-22227
72	Right Pop Bumper	B-21352
	100 Point (2)	B-18096





## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(6)
B	A-10219	1"	(6)
C	A-10220	1-1/2"	(2)
D	A-10224	3-1/2"	(4)
E	A-15705	Mini	(6)

### PARTS LIST

1. B-19646 Arch Rebound
2. B-19645 Arch Gate
3. C-10434Z Pop Bumper Cap, White (3)
4. A-13905 Pop Bumper Body, White (3)
5. C-10433Z Pop Bumper Skirt, White (3)
6. B-8246 Pop Bumper Trim Platter (3)
7. D-22744 Arch Rod
8. A-9393Z Guide Rail, White (2)
9. A-9396Z Guide Rail, White (2)
10. D-22988 Plastic Shield Set
11. A-9383 Target, Yellow (4)
12. A-11151 Hole Liner (2)
13. A-17181 Target Bank, Yellow (8)
14. A-15177 Target Bank, Black (2)
15. C-15648Z Rollover Guide, White (2)
16. A-9395Z Guide Rail, White (2)
17. C-13150 Flipper, White (2)
18. D-13647 Cardholder
19. C-9767 Ball Shooter Gauge
20. A-14571 Ball Guide Rail
21. A-14572 Ball Guide Rail
22. A-4832 Ball Guide Rail (2)
23. A-3722 Ball Guide Rail (2)
24. A-17650 Ball Guide Rail (2)
25. A-6931 Ball Guide Rail (4)
26. A-5775 Ball Guide Rail
27. A-5891 Metal Shield (2)

C-11561P Plastic Post (32)  
A-14792 Mini Post Screw (6)

# RACK 'EM UP

**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

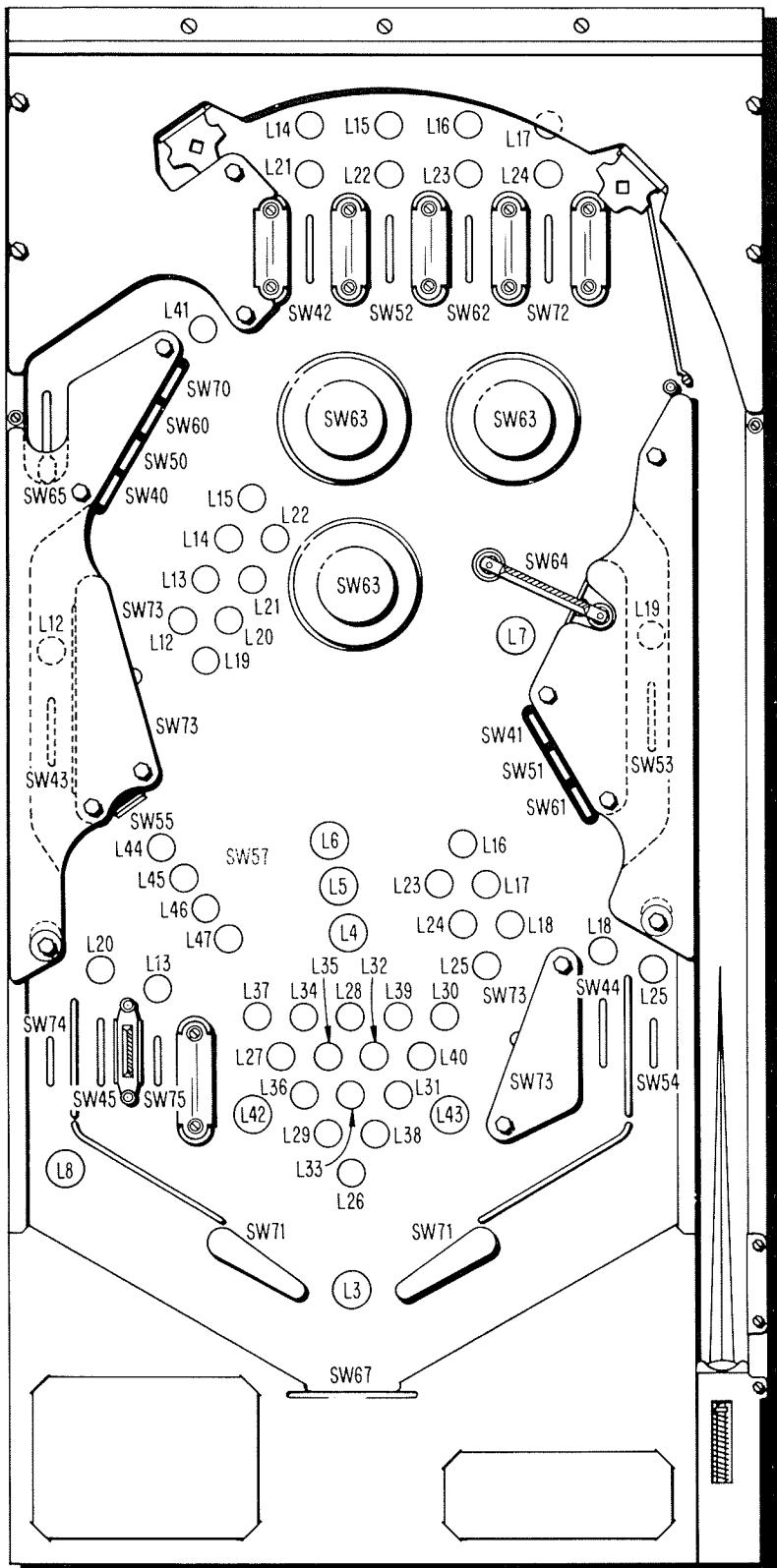
### LAMP NO. LAMP ASSIGNMENT

L3	Shoot Again
L4	3X Multiplier
L5	5X Multiplier
L6	10X Multiplier
L7	Spinner
L8	Special
L12	#1 Target and Rollover
L13	#2 Target and Rollover
L14	#3 Target and Rollover
L15	#4 Target and Rollover
L16	#5 Target and Rollover
L17	#6 Target and Rollover
L18	#7 Target and Rollover
L19	#9 Target and Rollover
L20	#10 Target and Rollover
L21	#11 Target and Rollover
L22	#12 Target and Rollover
L23	#13 Target and Rollover
L24	#14 Target and Rollover
L25	#15 Target and Rollover
L26	#1 Rack
L27	#2 Rack
L28	#3 Rack
L29	#4 Rack
L30	#5 Rack
L31	#6 Rack
L32	#7 Rack
L33	#8 Rack
L34	#9 Rack
L35	#10 Rack
L36	#11 Rack
L37	#12 Rack
L38	#13 Rack
L39	#14 Rack
L40	#15 Rack
L41	#8 Shooter
L42	#1 Rack Complete
L43	#2 Rack Complete
L44	Spot Target-Extra Ball
L45	Spot Target-Spinner
L46	Spot Target-Solid
L47	Spot Target-Stripes

### SWITCH MATRIX NO.

### SWITCH ASSIGNMENT

	PART NO.
40	B-18094
41	B-18094
42	B-18892
43	B-18892
44	B-18892
45	B-18892
50	B-18094
51	B-18095
52	B-18892
53	B-18892
54	B-18892
55	B-20867
57	B-9141
60	B-18095
61	B-18093
62	B-18892
63	B-21352
64	B-19354
65	B-23162-1
67	B-18892
70	B-18093
71	B-22398
72	B-18892
73	B-22224
74	B-18892
75	B-18892



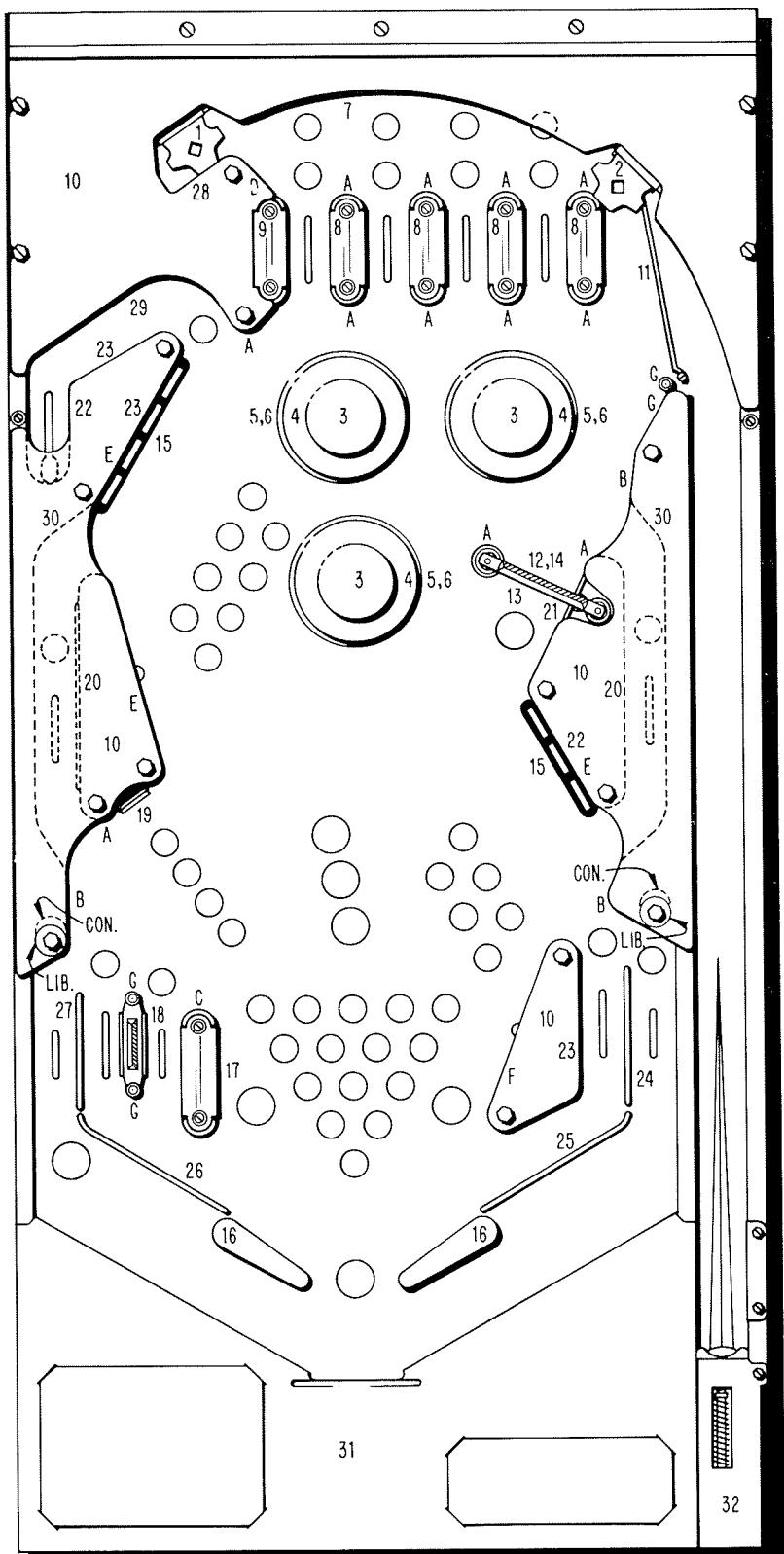
**PLAYBOARD  
PARTS**

**RUBBER RINGS**

A	A-10217	5/16"	(12)
B	A-10219	1"	(3)
C	A-10220	1-1/2"	(1)
D	A-10221	2"	(1)
E	A-10222	2-1/2"	(3)
F	A-10223	3"	(1)
G	A-15705	Mini	(4)

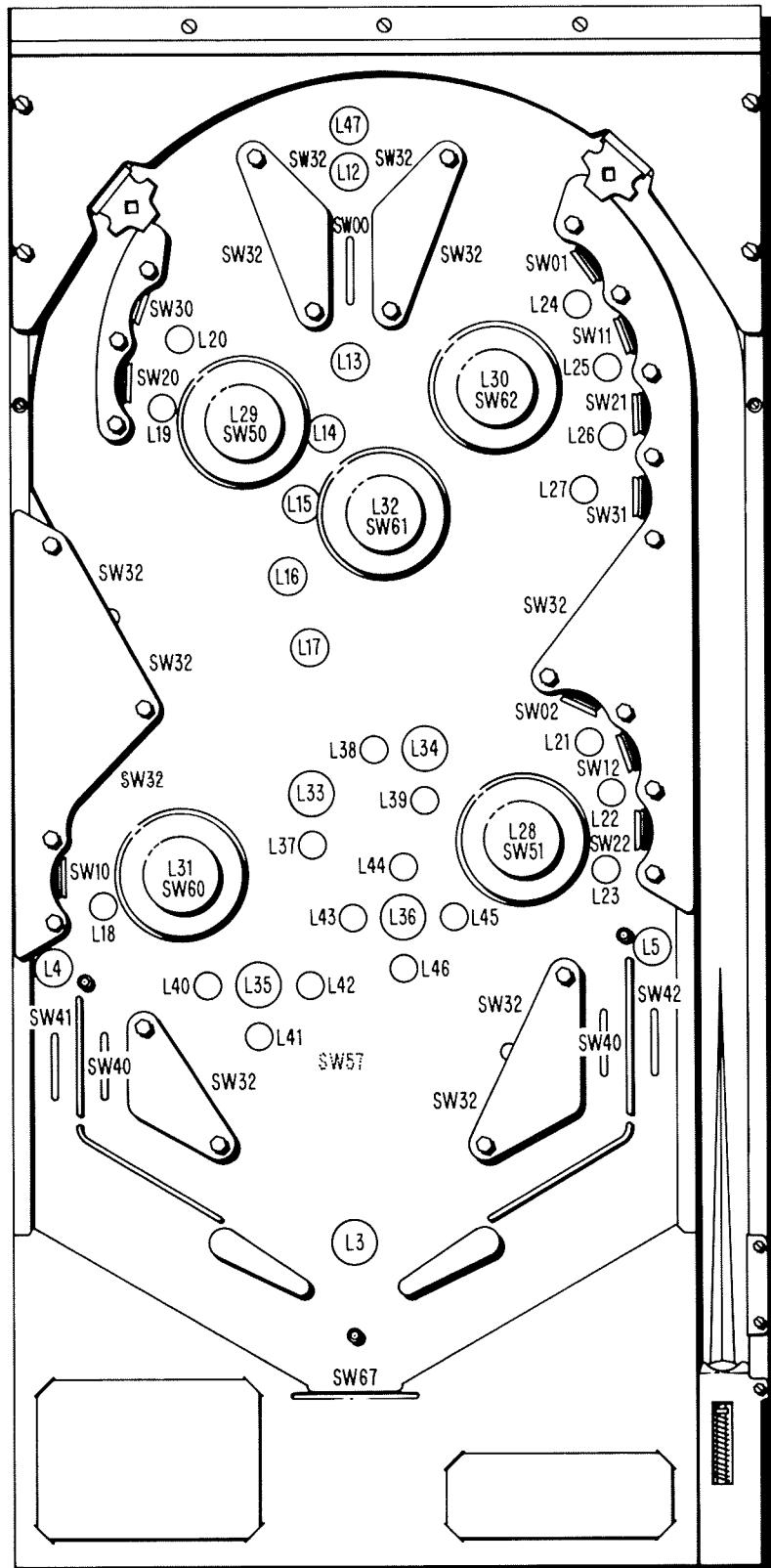
**PARTS LIST**

1. A-19646 Arch Rebound
  2. A-19645 Arch Gate
  3. A-14698 Pop Bumper Cap, Yellow (3)
  4. A-13905 Pop Bumper Body, Yellow (3)
  5. C-10433T Pop Bumper Skirt, Yellow (3)
  6. B-8246 Pop Bumper Trim Platter (3)
  7. D-22744 Arch Rod
  8. A-9396Z Guide Rail, White (4)
  9. A-9395Z Guide Rail, White
  10. D-23152-1 Plastic Shield Set
  11. B-23124 Ball Gate
  12. A-14043 Shield
  13. A-20388 Swinging Target
  14. A-20406 Swinging Target Rod
  15. A-14700 Target Bank, White (7)
  16. C-13150 Flipper, White (2)
  17. A-9397 Guide Rail, White
  18. C-15648 Rollover Guide
  19. A-14787 Spot Target, Yellow
  20. A-13833 Ball Guide Rail (2)
  21. A-17650 Ball Guide Rail
  22. A-6612 Ball Guide Rail (2)
  23. A-3722 Ball Guide Rail (3)
  24. A-13782 Ball Guide Rail
  25. A-14505 Ball Guide Rail
  26. A-14568 Ball Guide Rail
  27. A-4832 Ball Guide Rail
  28. A-8514 Ball Guide Rail
  29. A-22103 Metal Flat Rail
  30. B-21719 Metal Flat Rail (2)
  31. D-13647 Cardholder
  32. C-9767 Ball Shooter Gauge
- C-11561PX Plastic Post (33)  
C-11562PX Plastic Post (2)  
A-14792 Mini Post Screw (5)



## **READY AIM FIRE!**

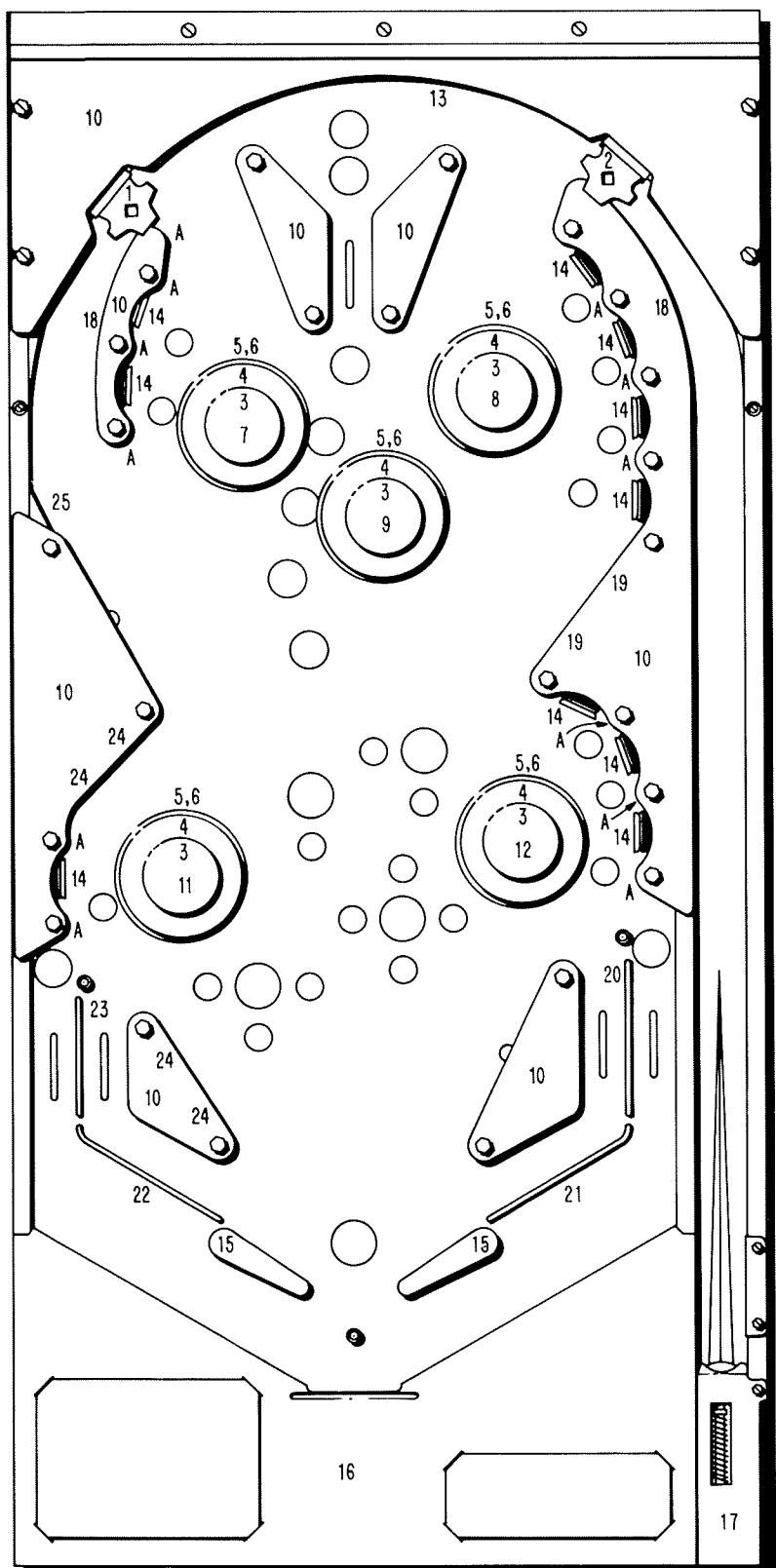
**Premier**  
Technology



## **PLAYBOARD SWITCH AND LAMP ASSIGNMENTS**

LAMP NUMBER	LAMP ASSIGNMENT	
L3	Shoot Again	
L4	Extra Ball (Left)	
L5	Extra Ball (Right)	
L12	Top Rollover (White)	
L13	#1 Top Rollover	
L14	#2 Top Rollover	
L15	#3 Top Rollover	
L16	#4 Top Rollover	
L17	#5 Top Rollover	
L18	#1 Spot Target	
L19	#2 Spot Target	
L20	#3 Spot Target	
L21	#4 Spot Target	
L22	#5 Spot Target	
L23	#6 Spot Target	
L24	#7 Spot Target	
L25	#8 Spot Target	
L26	#9 Spot Target	
L27	#10 Spot Target	
L28	Bottom Right Pop Bumper	
L29	Top Left Pop Bumper	
L30	Top Right Pop Bumper	
L31	Bottom Left Pop Bumper	
L32	Center Top Pop Bumper	
L33	2X	
L34	3X	
L35	4X	
L36	5X	
L37	1000	
L38	2000	
L39	3000	
L40	4000	
L41	5000	
L42	6000	
L43	7000	
L44	8000	
L45	9000	
L46	10,000	
L47	Special	
SWITCH MATRIX NUMBER	SWITCH ASSIGNMENT	PART NO.
00	Top Rollover	B-18892
01	#7 Spot Target	B-20867
02	#4 Spot Target	B-20867
10	#1 Spot Target	B-20867
11	#8 Spot Target	B-20867
12	#5 Spot Target	B-20867
20	#2 Spot Target	B-20867
21	#9 Spot Target	B-20867
22	#6 Spot Target	B-20867
30	#3 Spot Target	B-20867
31	#10 Spot Target	B-20867
32	10 Point (7)	B-22227
	Kicking Rubber (4)	B-22224
40	Right Return Rollover, Left Return Rollover	B-18892 B-18892
41	Left Outside Rollover	B-18892
42	Right Outside Rollover	B-18892
50	Top Left Pop Bumper	B-21352
51	Bottom Right Pop Bumper	B-21352
57	Tilt	B-9141
60	Bottom Left Pop Bumper	B-21352
61	Center Top Pop Bumper	B-21352
62	Top Right Pop Bumper	B-21352
67	Outhole	B-18892

## READY AIM FIRE!



### PLAYBOARD PARTS INFORMATION

#### RUBBER RINGS

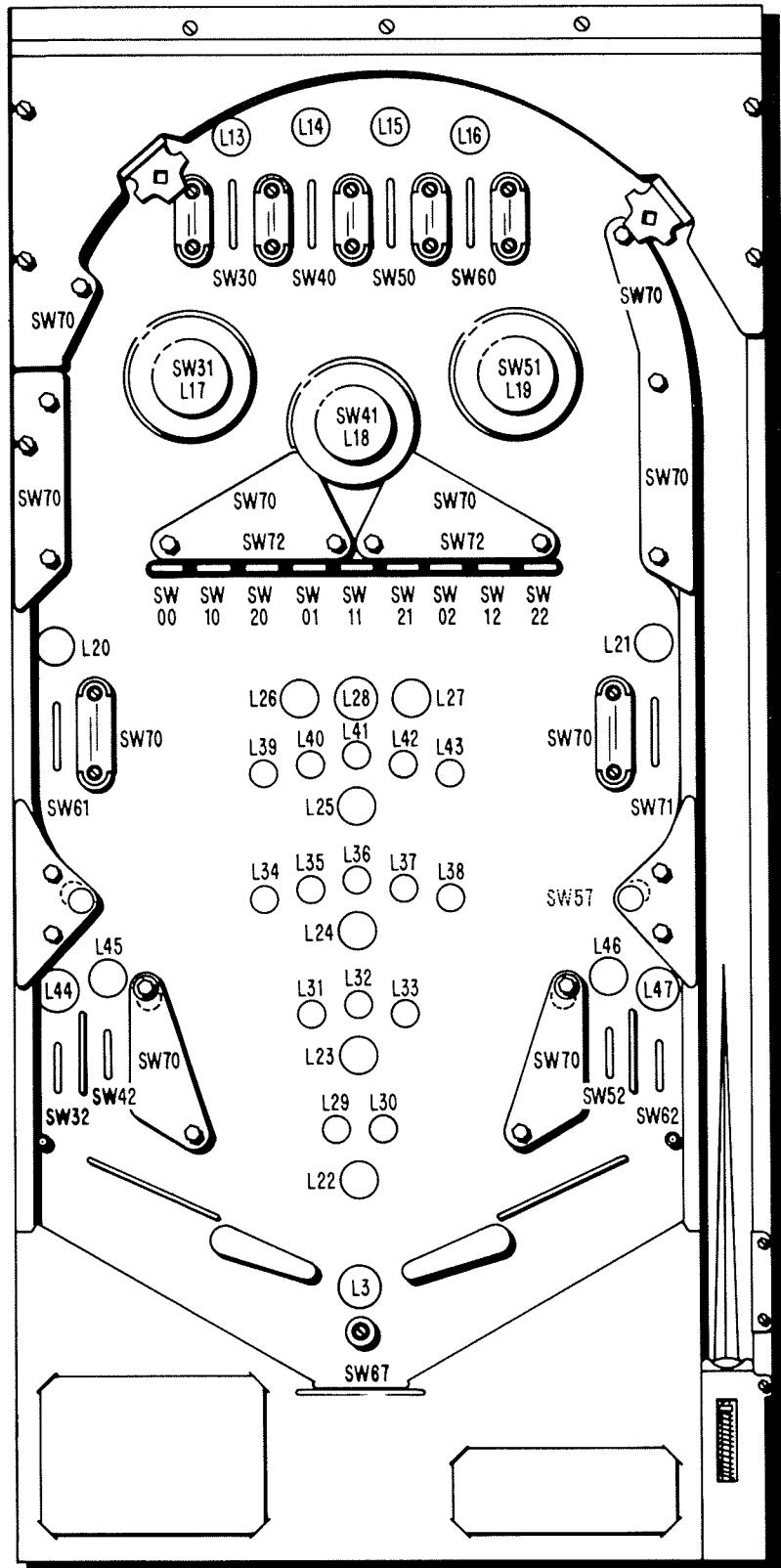
ITEM	DESCRIPTION	PART NO.
A	5/16" (12)	A-10217
B	1" (1)	A-10219
C	2-1/2" (4)	A-10222
D	3" (1)	A-10223
E	4" (1)	A-10225
F	Mini (3)	A-15705

#### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Arch Rebound	A-19646
2.	Arch Gate	A-19645
3.	Pop Bumper Cap, White (5)	C-10434Z
4.	Pop Bumper Body, White (5)	C-10435Z
5.	Pop Bumper Skirt, White (5)	C-10433Z
6.	Pop Bumper Trim Platter (5)	B-8246
7.	Pop Bumper Cap Decal, Giraffe	A-23423
8.	Pop Bumper Cap Decal, Tiger	A-23426
9.	Pop Bumper Cap Decal	A-23427
10.	Plastic Shield Set	D-23188
11.	Pop Bumper Cap Decal, Bear	A-23425
12.	Pop Bumper Cap Decal, Elephant	A-23424
13.	Arch Rod	D-22744
14.	Spot Target, White (10)	A-9383Z
15.	Flipper, White (2)	C-13150
16.	Cardholder	D-13647
17.	Ball Shooter Gauge	C-9767
18.	Ball Guide Rail (2)	A-8514
19.	Ball Guide Rail (2)	A-17650
20.	Ball Guide Rail	A-4833
21.	Ball Guide Rail	A-14571
22.	Ball Guide Rail	A-14572
23.	Ball Guide Rail	A-4832
24.	Ball Guide Rail (4)	A-18070
25.	Metal Flat Rail	A-22102
	Mini Post Screw (4)	A-14792
	Plastic Post (32)	C-11561P

## **JACKS TO OPEN**

**Premier**  
Technology



## **PLAYBOARD SWITCH AND LAMP ASSIGNMENTS**

LAMP  
NO.

## LAMP ASSIGNMENT

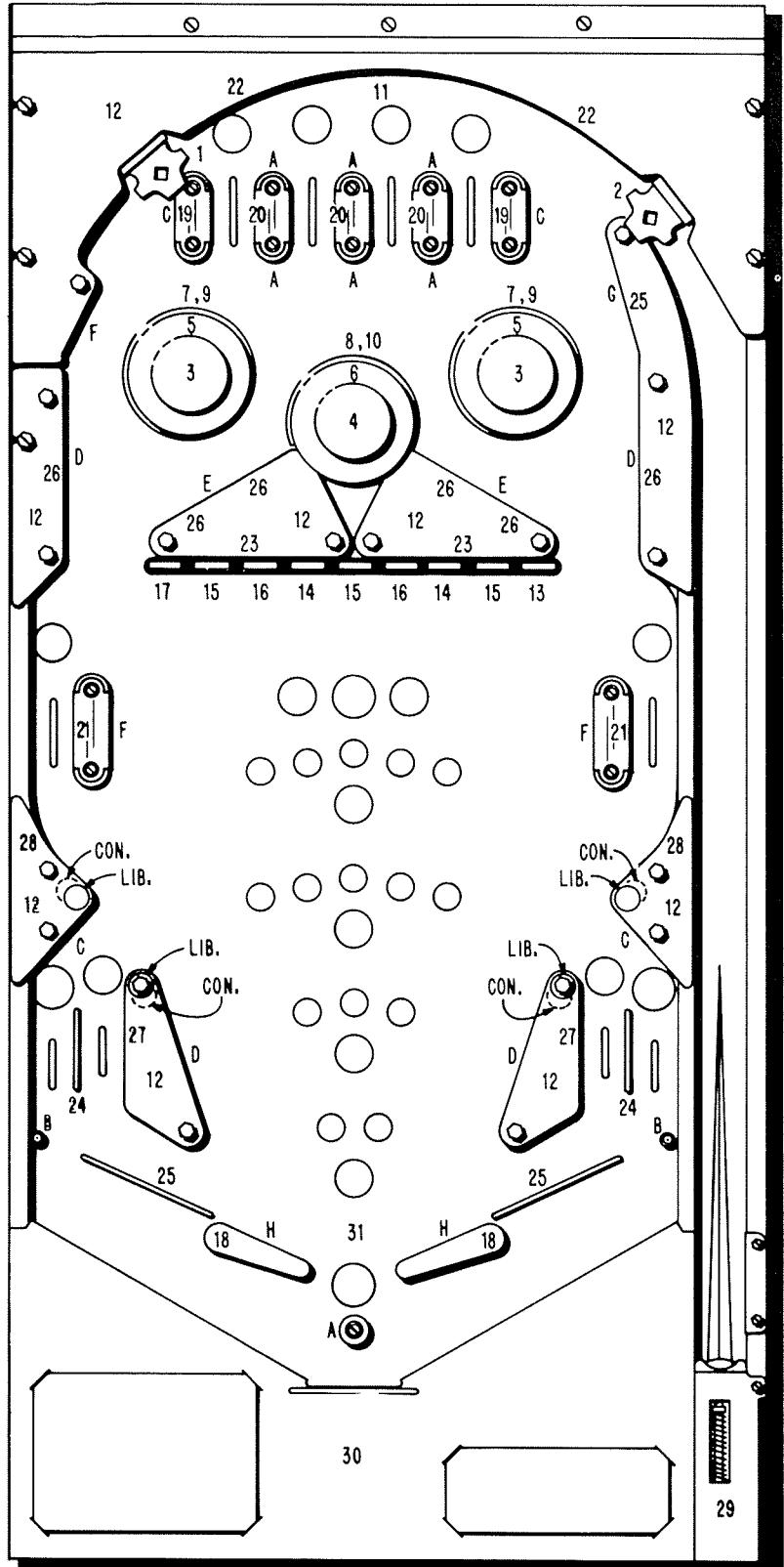
- |     |                           |
|-----|---------------------------|
| L3  | Shoot Again               |
| L13 | Top Left Rollover         |
| L14 | Top Left Center Rollover  |
| L15 | Top Right Center Rollover |
| L16 | Top Right Rollover        |
| L17 | Left Pop Bumper           |
| L18 | Center Pop Bumper         |
| L19 | Right Pop Bumper          |
| L20 | Left Side Rollover        |
| L21 | Right Side Rollover       |
| L22 | Jacks                     |
| L23 | Queens                    |
| L24 | Full House                |
| L25 | Royal Flush               |
| L26 | Double Bonus              |
| L27 | Extra Balll               |
| L28 | Special                   |
| L29 | Red Jack                  |
| L30 | Black Jack                |
| L31 | Left Black Queen          |
| L32 | Red Queen                 |
| L33 | Right Black Queen         |
| L34 | Left Black Queen          |
| L35 | Red Queen                 |
| L36 | Right Black Queen         |
| L37 | Red King                  |
| L38 | Black King                |
| L39 | Red Ace                   |
| L40 | Red King                  |
| L41 | Red Queen                 |
| L42 | Red Jack                  |
| L43 | Red Ten                   |
| L44 | Left Outside Rollover     |
| L45 | Left Return Rollover      |
| L46 | Right Return Rollover     |
| L47 | Right Outside Rollover    |

**SWITCH  
MATRIX  
NO.**

## **SWITCH ASSIGNMENT**

- |    |         |          |              |         |
|----|---------|----------|--------------|---------|
| 00 | #1      | Drop     | Target       | B-18094 |
| 01 | #4      | Drop     | Target       | B-18094 |
| 02 | #7      | Drop     | Target       | B-18094 |
| 10 | #2      | Drop     | Target       | B-18095 |
| 11 | #5      | Drop     | Target       | B-18095 |
| 12 | #8      | Drop     | Target       | B-18095 |
| 20 | #3      | Drop     | Target       | B-18093 |
| 21 | #6      | Drop     | Target       | B-18093 |
| 22 | #9      | Drop     | Target       | B-18093 |
| 30 | Left    | Top      | Rollover     | B-18892 |
| 31 | Left    | Pop      | Bumper       | B-21352 |
| 32 | Left    | Outside  | Rollover     | B-18892 |
| 40 | Left    | Center   | Top Rollover | B-18892 |
| 41 | Center  | Pop      | Bumper       | B-21359 |
| 42 | Left    | Return   | Rollover     | B-18892 |
| 50 | Right   | Center   | Top Rollover | B-18892 |
| 51 | Right   | Pop      | Bumper       | B-21352 |
| 52 | Return  | Rollover |              | B-18892 |
| 57 | Tilt    |          |              | B-9141  |
| 60 | Right   | Top      | Rollover     | B-18892 |
| 61 | Left    | Side     | Rollover     | B-18892 |
| 62 | Right   | Outside  | Rollover     | B-18892 |
| 67 | Outhole |          |              | B-18892 |
| 70 | 10      | Point    | (10)         | B-22227 |
| 71 | Right   | Side     | Rollover     | B-18892 |
| 72 | 100     | Point    | (2)          | B-18096 |

## JACKS TO OPEN



## PLAYBOARD PARTS

### RUBBER RINGS

A	A-10217	5/16"	(7)
B	A-15705	Mini-Post	(2)
C	A-10219	1"	(4)
D	A-10222	2-1/2"	(4)
E	A-10223	3"	(2)
F	A-10220	1-1/2"	(3)
G	A-10221	2"	(1)
H	A-13151	RED	(2)

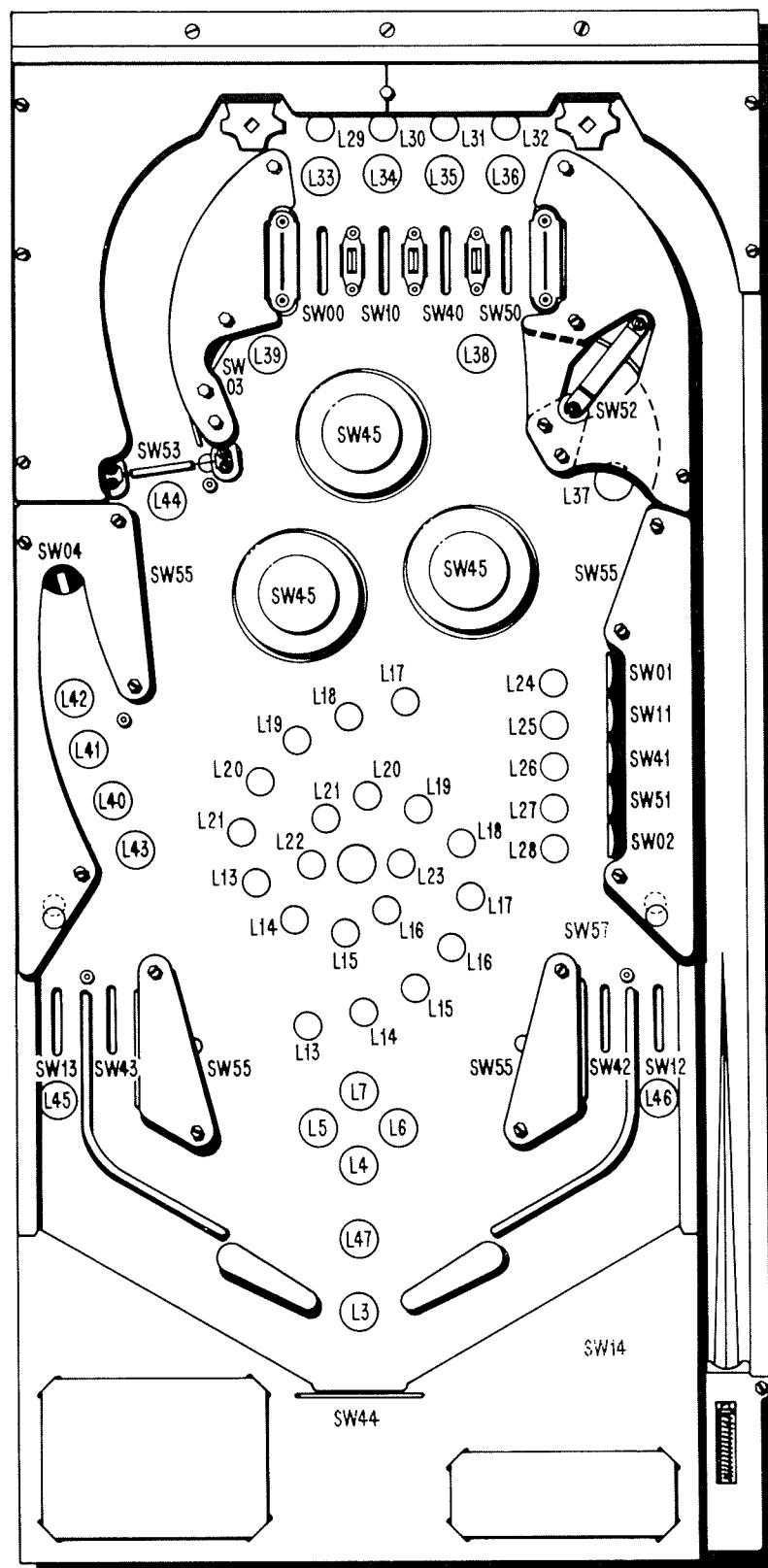
### PARTS LIST

1. A-19646 Arch Rebound Assy.
2. A-19645 Arch Gate Assy.
3. A-15200 Pop Bumper Cap, White (2)
4. A-11826 Pop Bumper Cap, Orange (1)
5. A-10435Z Pop Bumper Body, White (2)
6. A-10435V Pop Bumper Body, Orange (1)
7. C-10433Z Pop Bumper Skirt, White (2)
8. C-10433V Pop Bumper Skirt, Orange (1)
9. B-8246 Pop Bumper Trim Platter (2)
10. A-23477 Pop Bumper Trim Platter (1)
11. D-22744 Arch Rod
12. D-23418 Plastic Shield Set
13. A-13445 Drop Target, "10", (1)
14. A-13446 Drop Target, "J", (2)
15. A-13447 Drop Target, "Q", (3)
16. A-13448 Drop Target, "K", (2)
17. A-13449 Drop Target, "A", (1)
18. C-13150 Flipper, White (2)
19. A-9393Z Guide Rail, White (2)
20. A-9394Z Guide Rail, White (3)
21. A-9395Z Guide Rail, White (2)
22. B-19875 Arch Rod Support Post (2)
23. A-4832 Ball Guide Rail
24. A-4831 Ball Guide Rail
25. A-13782 Ball Guide Rail
26. A-18070 Ball Guide Rail (6)
27. A-3722 Ball Guide Rail (2)
28. A-11071 Flat Rail
29. C-9767 Ball Shooter Guide
30. D-13647 Cardholder
31. D-23505 Mylar Overlay

C-11561PX Plastic Post (37)  
C-11562PX Plastic Post (4)  
A-14792 Mini-Post Srew (2)

# ALIEN STAR

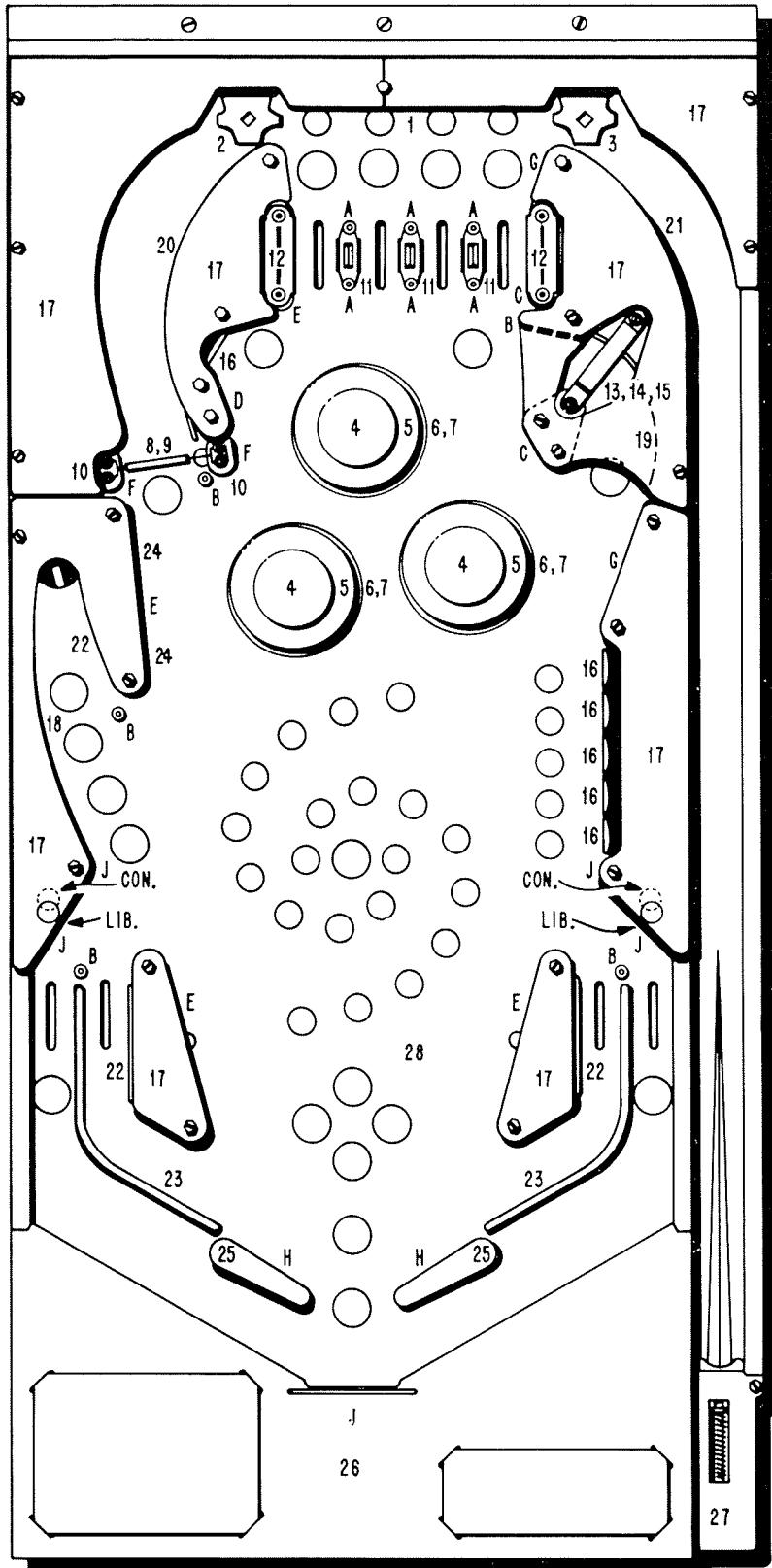
Premier  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

LAMP NO.	LAMP ASSIGNMENT	PART NO.
L3	Shoot Again	18892
L4	2X	20867
L5	3X	20867
L6	4X	19857
L7	5X	18892
L13	1000 (2)	20867
L14	2000 (2)	20867
L15	3000 (2)	20867
L16	4000 (2)	20867
L17	5000 (2)	20867
L18	6000 (2)	20867
L19	7000 (2)	20867
L20	8000 (2)	20867
L21	9000 (2)	20867
L22	10,000	22224
L23	20,000	9141
L24	"A" Spot Target	18892
L25	"L" Spot Target	20867
L26	"I" Spot Target	20867
L27	"E" Spot Target	20867
L28	"N" Spot Target	20867
L29	"S" Rollover	18892
L30	"T" Rollover	18892
L31	"A" Rollover	18892
L32	"R" Rollover	18892
L33	Collect Bonus	18892
L34	Advance Multiplier	18892
L35	Hold Bonus	18892
L36	Extra Ball	18892
L37	Rollunder Sequence #1	18892
L38	Rollunder Sequence #2	18892
L39	Rollunder Sequence #3	18892
L40	Score Multiplier 2X	18892
L41	Score Multiplier 3X	18892
L42	Score Multiplier 5X	18892
L43	Hole Capture	18892
L44	Spinner	18892
L45	Left Special	18892
L46	Right Special	18892
L47	Hold Bonus	18892
SWITCH MATRIX NO.	SWITCH ASSIGNMENT	PART NO.
00	#1 Top Rollover	18892
01	#1 Spot Target	20867
02	#5 Spot Target	20867
03	Left Spot Target	20867
04	Hole	19857
10	#2 Top Rollover	18892
11	#2 Spot Target	20867
12	Right Outside Rollover	18892
13	Left Outside Rollover	18892
14	1st Position Trough	18892
40	#3 Top Rollover	18892
41	#3 Spot Target	20867
42	Right Return Rollover	18892
43	Left Return Rollover	18892
44	Outhole	18688
45	Pop Bumpers	
	Left	21353
	Center	21352
	Right	21352
50	#4 Top Rollover	18892
51	#4 Spot Target	20867
52	Rollunder	22672
53	Spinner	19353
55	10 Point (4)	22224
57	Tilt	9141

## ALIEN STAR



### PLAYBOARD INFORMATION

#### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	Mini-Post (6)	15705
B	Mini-Post (5)	14793
C	1" (1)	10219
D	1/2" (1)	10218
E	2-1/2" (4)	10222
F	Siamese (2)	17493
G	2" (2)	10221
H	Red (2)	13151
J	5/16" (5)	10217

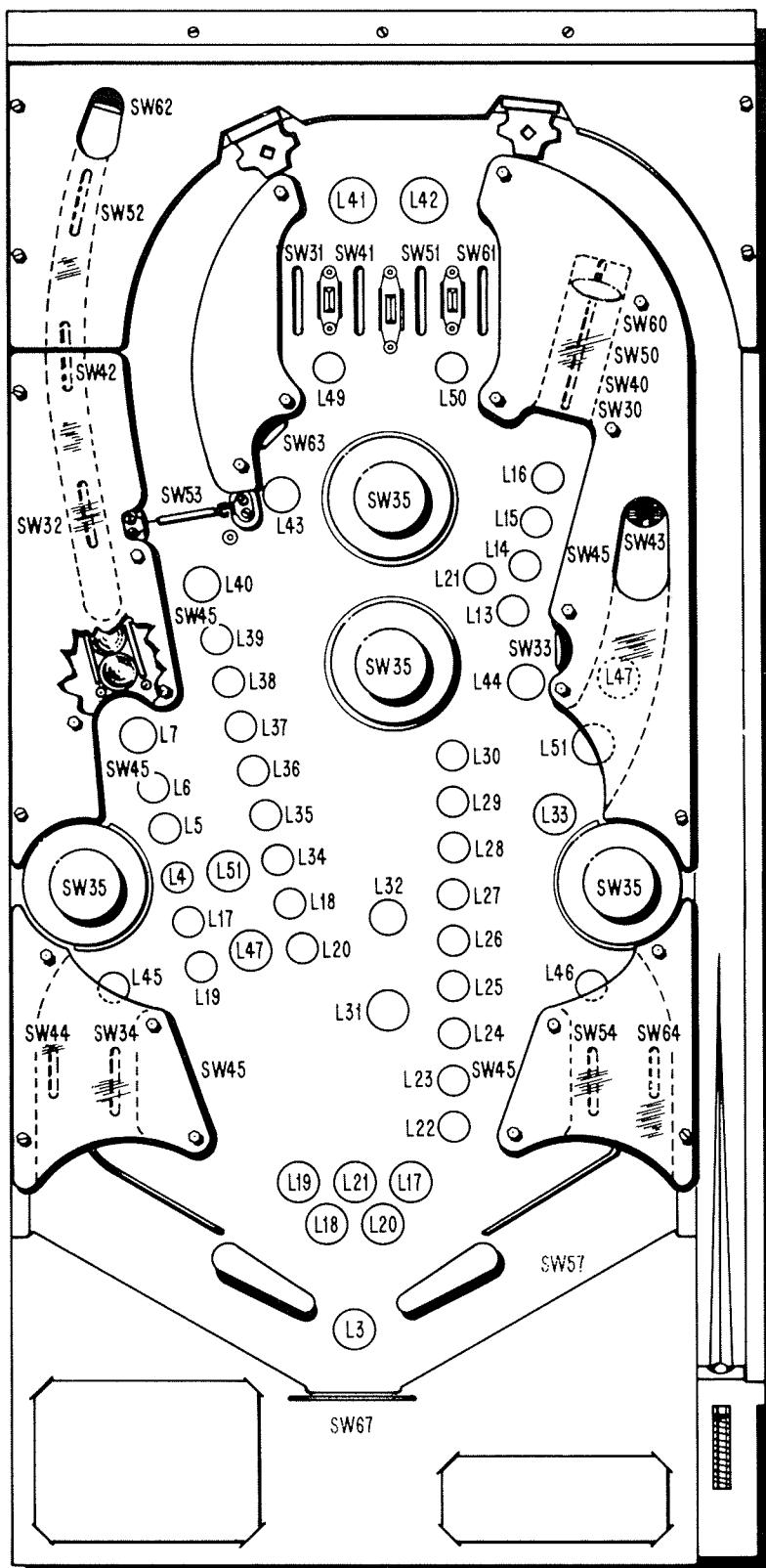
#### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Flat Rail	23834
2.	Arch Rebound Assy.	19646
3.	Arch Gate Assy.	19645
4.	Pop Bumper Cap, White (3)	21298
5.	Pop Bumper Body, White (3)	10435Z
6.	Pop Bumper Skirt, White (3)	10433Z
7.	Pop Bumper Trim Platter (3)	8246
8.	Swinging Target	20388
9.	Swinging Target Switch Rod	20406
10.	"L" Bracket (2)	17494
11.	Rollover Guide 1-1/2" Red (3)	15646U
12.	Guide Rail 2-1/8" Red (2)	9395U
13.	Rollunder Shield	4869
14.	Rollunder Spring	14236
15.	Rollunder Gate Wireform	21958
16.	Spot Target, White (6)	9398
17.	Plastic Shield Set	23869
18.	Flat Rail	21382
19.	Flat Rail	21376
20.	Ball Guide Rail	21164
21.	Ball Guide Rail	8514
22.	Ball Guide Rail (3)	4832
23.	Ball Guide Rail (2)	23833
24.	Ball Guide Rail (2)	18070
25.	Flipper, White (2)	13150
26.	Cardholder	13647
27.	Ball Shooter Gauge	9767
28.	Mylar Overlay	23920

Plastic Post 1" (27) 11561PX  
Siamese Post (2) 17492Z  
Plastic Support Post (3) 20635P

## THE GAMES

**Premier**  
Technology



### PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

#### LAMP

##### NO. LAMP ASSIGNMENT

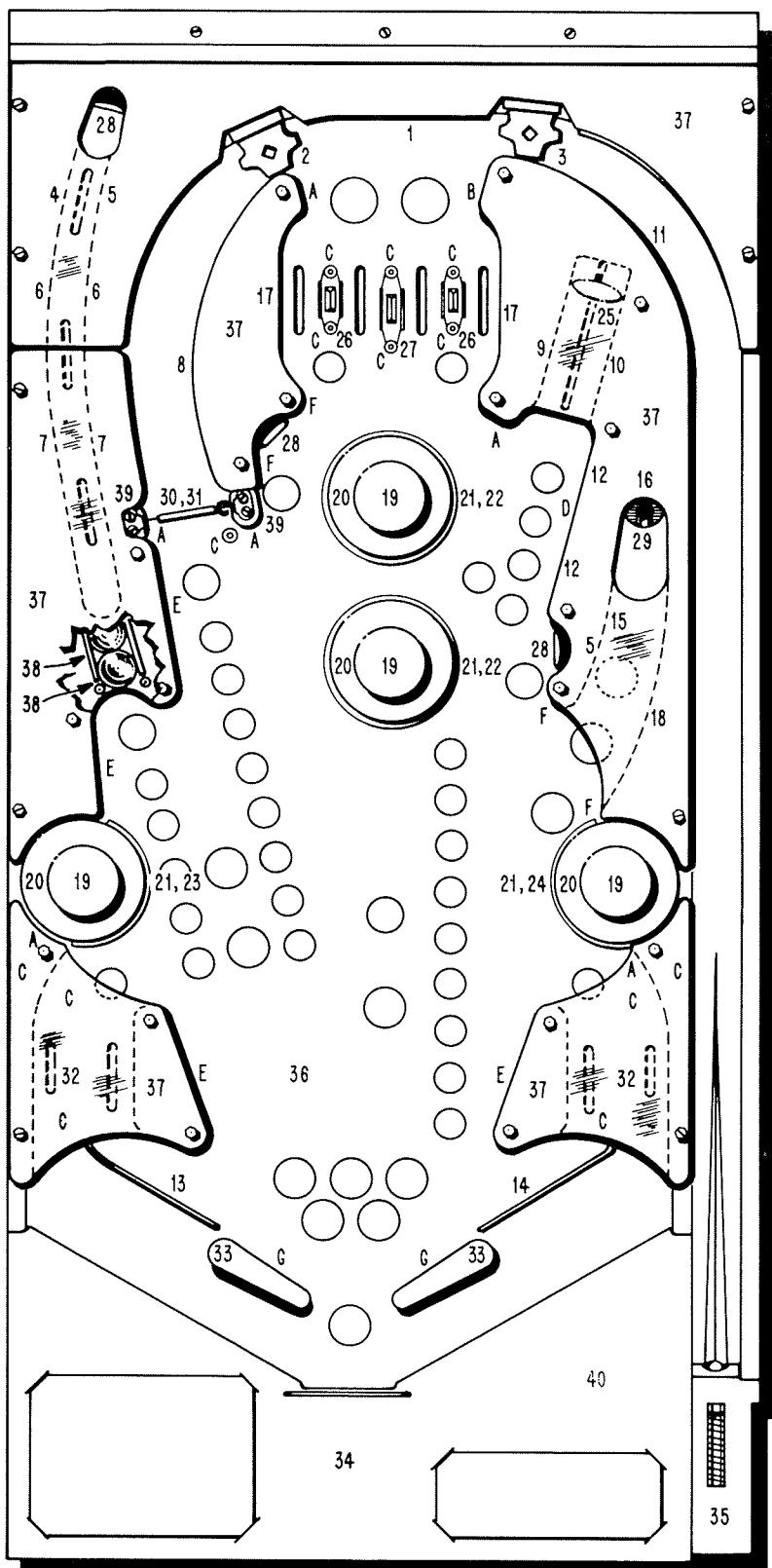
L3	Shoot Again
L4	Captive Ball 1
L5	Captive Ball 2
L6	Captive Ball 3
L7	Captive Ball 4
L13	#1 Vari-Target
L14	#2 Vari-Target
L15	#3 Vari-Target
L16	#4 Vari-Target
L17	Javelin (2)
L18	Hammer (2)
L19	Shot Put (2)
L20	Discus (2)
L21	Pole Vault (2)
L22	1000
L23	2000
L24	3000
L25	4000
L26	5000
L27	6000
L28	7000
L29	8000
L30	9000
L31	10,000
L32	20,000
L33	Collect Bonus
L34	Spinner 1
L35	Spinner 2
L36	Spinner 3
L37	Spinner 4
L38	Spinner 5
L39	Spinner 6
L40	Spinner 7
L41	#2 Top Rollover (Special)
L42	#3 Top Rollover (Special)
L43	Left Extra Ball Target (Extra)
L44	Right Extra Ball Target (Ball)
L45	Left Return Rollover
L46	Right Return Rollover
L47	Green (Hole) and Blue (Event)
L49	#1 Top Rollover
L50	#4 Top Rollover
L51	Blue (Hole) and Green (Event)

#### SWITCH MATRIX NO.

##### SWITCH ASSIGNMENT

NO.	SWITCH ASSIGNMENT	PART NO.
SW.30	Vari-Target #1	P/O MA-237
SW.31	#1 Top Rollover	18892
SW.32	#1 Captive Rollover	18892
SW.33	Right Center Spot Target	20867
SW.34	Left Return Rollover	18892
SW.35	Pop Bumpers	
	Top	21352
	Bottom	21352
	Left	21352
	Right	21352
SW.40	Vari-Target #2	P/O MA-237
SW.41	#2 Top Rollover	18892
SW.42	#2 Captive Rollover	18892
SW.43	Hole	18892
SW.44	Left Outside Rollover	19857
SW.45	10 Point (5)	22227
SW.50	Vari-Target #3	P/O MA-237
SW.51	#3 Top Rollover	18892
SW.52	#3 Captive Rollover	18892
SW.53	Spinner	19353
SW.54	Right Return Rollover	18892
SW.57	Tilt	9141
SW.60	Vari-Target #4	P/O MA-237
SW.61	#4 Top Rollover	18892
SW.62	Captive Ball Spot Target	20867
SW.63	Left Center Spot Target	20867
SW.64	Right Outside Rollover	18892
SW.67	Outhole	18688

## THE GAMES



### PLAYBOARD PARTS

#### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	Siamese (6)	17493
B	1/2" (1)	10218
C	Mini-Post (13)	15705
D	3" (1)	10223
E	2" (4)	10221
F	5/16" (4)	10217
G	Red (2)	13151

#### PARTS LIST

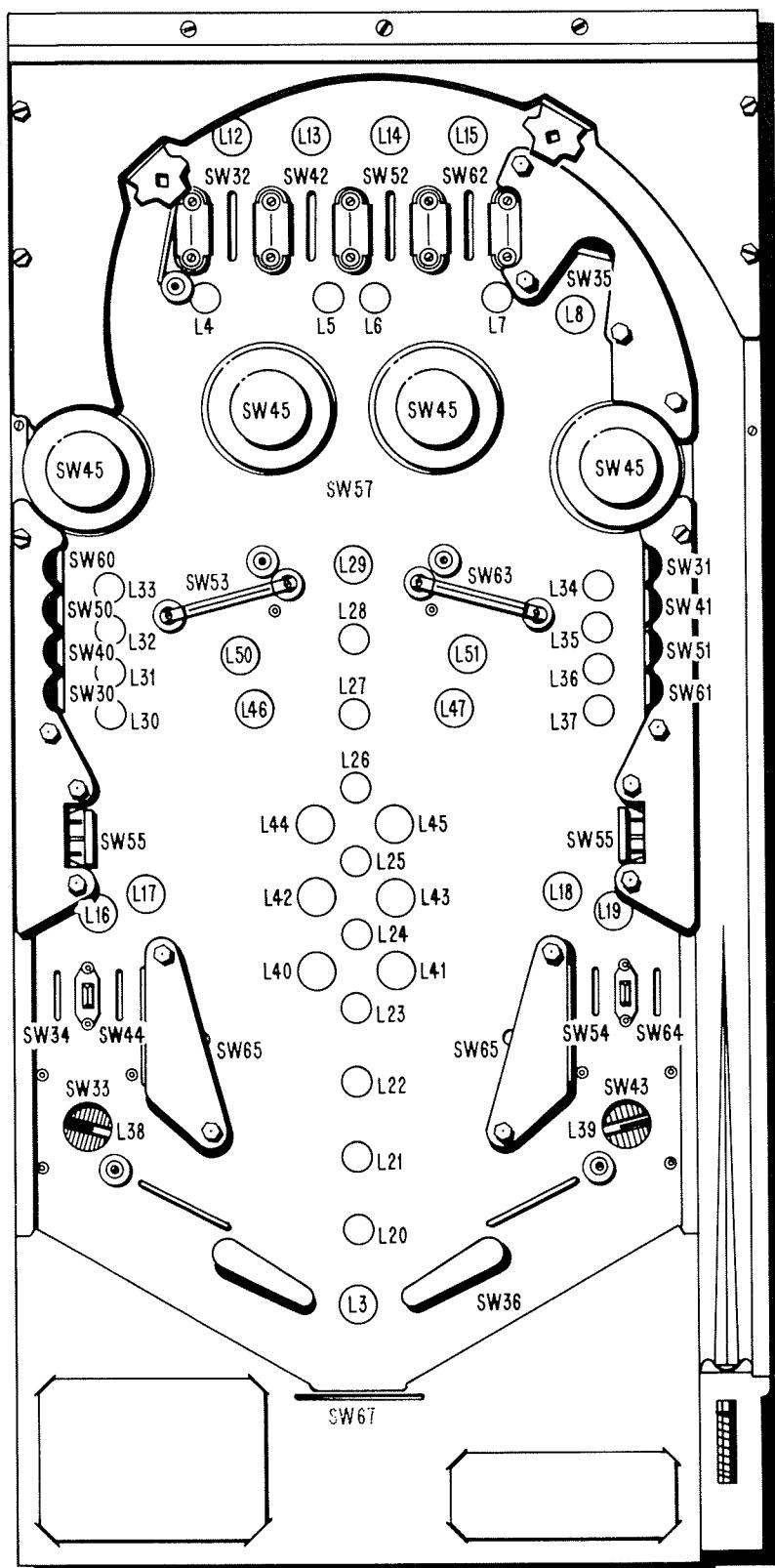
ITEM	DESCRIPTION	PART NO.
1.	Flat Rail	24009
2.	Arch Rebound Assy.	19646
3.	Arch Gate Assy.	19645
4.	Ball Guide Rail	3722
5.	Ball Guide Rail (2)	6612
6.	Ball Guide Rail (2)	19331
7.	Ball Guide Rail (2)	11703
8.	Ball Guide Rail	21164
9.	Ball Guide Rail	13833
10.	Ball Guide Rail	18563
11.	Ball Guide Rail	5775
12.	Ball Guide Rail (2)	6931
13.	Ball Guide Rail	14572
14.	Ball Guide Rail	14571
15.	Ball Deflector	21158
16.	Ball Snubber	16038
17.	Flat Rail (2)	24008
18.	Flat Rail	21382
19.	Pop Bumper Cap, with Design (4)	24091
20.	Pop Bumper Body, White (4)	10435Z
21.	Pop Bumper Skirt, White (4)	10433Z
22.	Pop Bumper Trim Platter (2)	8246
23.	Pop Bumper Trim Platter	24003
24.	Pop Bumper Trim Platter	24004
25.	Vari-Target Assy.	MA-237
26.	Rollover Guide, Orange (2)	15646V
27.	Rollover Guide, Orange	15647V
28.	Spot Target, with Design (3)	9398
29.	Hole Base Plate, Red	15707U
30.	Swinging Target	20388
31.	Swinging Target Switch Rod	20406
32.	Rollover Guide, Orange (2)	15648V
33.	Flipper, White (2)	13150
34.	Cardholder	13647
35.	Ball Shooter Gauge	9767
36.	Mylar Overlay	24007
37.	Plastic Shield Set	24002
38.	Steel Ball (2)	21864
39.	"L" Bracket (2)	17494
40.	Ball Return Unit	21622

Plastic Post 1" (18)  
Siamese Post (2)  
Plastic Support Post (2)

11561PX  
17492Z  
20635P

# TOUCHDOWN

**Premier**  
Technology



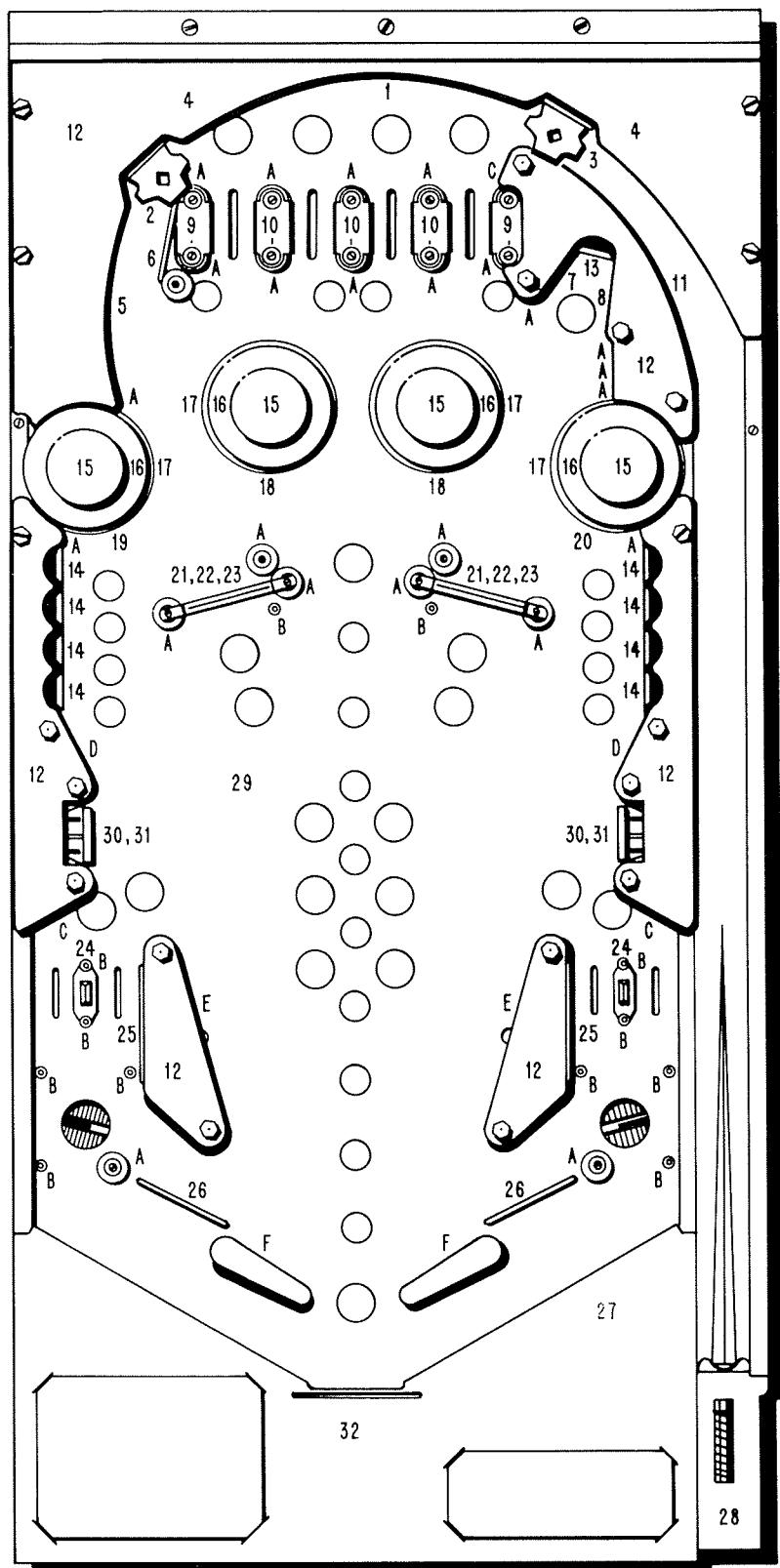
## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

LAMP NO.	LAMP ASSIGNMENT
L3	Shoot Again
L4	#1 Top Special
L5	#2 Top Special
L6	#3 Top Special
L7	#4 Top Special
L8	Extra Ball
L12	"F" Rollover
L13	"O" Rollover
L14	"O" Rollover
L15	"T" Rollover
L16	"B" Rollover
L17	"A" Rollover
L18	"L" Rollover
L19	"L" Rollover
L20	Lower "10" Yard Line
L21	Lower "20" Yard Line
L22	Lower "30" Yard Line
L23	Lower "40" Yard Line
L24	"50" Yard Line
L25	Upper "40" Yard Line
L26	Upper "30" Yard Line
L27	Upper "20" Yard Line
L28	Upper "10" Yard Line
L29	Touchdown
L30	Left "P" Target
L31	Left "A" Target
L32	Left "S" Target
L33	Left "S" Target
L34	Right "P" Target
L35	Right "A" Target
L36	Right "S" Target
L37	Right "S" Target
L38	Left Hole
L39	Right Hole
L40	Touchdown #1
L41	Touchdown #2
L42	Touchdown #3
L43	Touchdown #4
L44	Touchdown #5
L45	Touchdown #6
L46	Left Running Yardage
L47	Right Running Yardage
L50	Left Passing Yardage
L51	Right Passing Yardage

## SWITCH MATRIX NO.

SWITCH ASSIGNMENT	PART NO.
SW.30	20867
SW.31	20867
SW.32	18892
SW.33	19857
SW.34	18892
SW.35	20867
SW.36	22398
SW.40	20867
SW.41	20867
SW.42	18892
SW.43	19852
SW.44	18892
SW.45	21352
SW.50	20867
SW.51	20867
SW.52	18892
SW.53	19353
SW.54	18892
SW.55	18808
Kicking Target (2) (Switch On Bracket, 2)	20227
Tilt	9141
SW.57	20867
SW.60	20867
SW.61	20867
SW.62	18892
SW.63	19354
SW.64	18892
SW.65	18808
10 Point (2) (Contact Switches, 4)	22224
Outhole	18688

# TOUCHDOWN



## PLAYBOARD PARTS

### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	5/16" (25)	10217
B	Mini-Post (12)	15705
C	1/2" (3)	10218
D	1" (2)	10219
E	3" (2)	10223
F	Flipper (Red), (2)	13151

### PARTS LIST

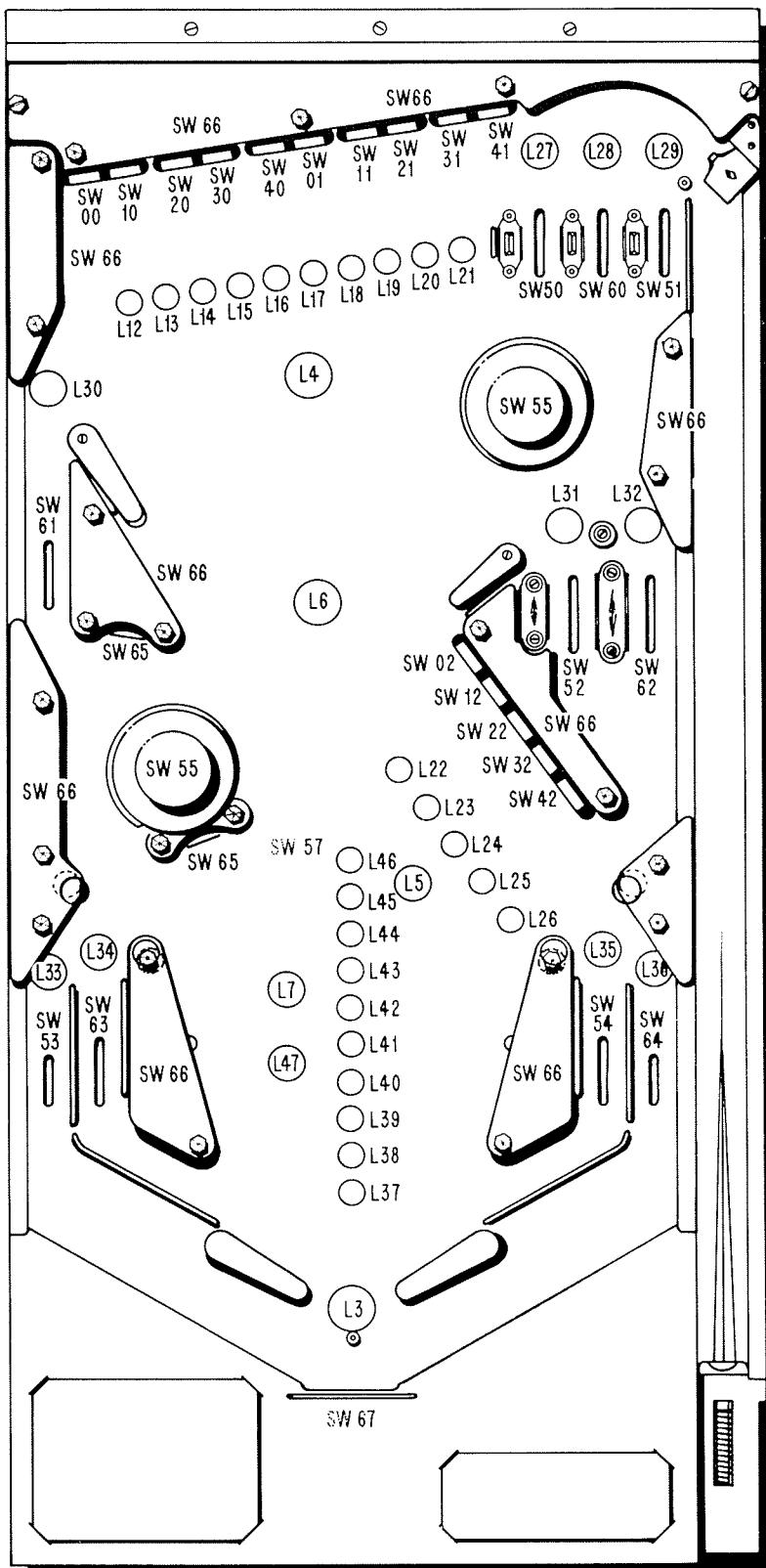
ITEM	DESCRIPTION	PART NO.
1.	Elliptical Arch Rod	22744
2.	Arch Rebound Assy.	19646
3.	Arch Gate Assy.	19645
4.	Arch Rod Support Post (2)	19875P
5.	Ball Guide Rail	18764
6.	Ball Guide Rail	4831
7.	Ball Guide Rail	6612
8.	Ball Guide Rail	6931
9.	Guide Rail (Red), (2)	9393U
10.	Guide Rail (Red), (3)	9394U
11.	Ball Guide Rail	21164
12.	Plastic Shield Set	23748
13.	Spot Target (Yellow)	9374T
14.	Spot Target, with Design (8)	14273
15.	Pop Bumper Cap, with Design (4)	24193
16.	Pop Bumper Body (4)	10435T
17.	Pop Bumper Skirt (4)	10433T
18.	Pop Bumper Trim Platter (2)	8246
19.	Pop Bumper Trim Platter	23771
20.	Pop Bumper Trim Platter	23770
21.	Swinging Target Assy. (2)	20388
22.	Swinging Target Switch Rod (2)	20406
23.	Gate Shield	14043
24.	Rollover Guide (Red), (2)	15646U
25.	Ball Guide Rail (2)	4832
26.	Ball Guide Rail (2)	17106
27.	Ball Return Unit	21622
28.	Ball Shooter Gauge	9767
29.	Mylar Overlay	23785
30.	Kicker, Plastic Shield	20210
31.	Kicker, Plastic Shield Insert	24229
32.	Cardholder	13647

Plastic Post 1" (41)  
Support Post

11561PX  
20635P

# EL DORADO

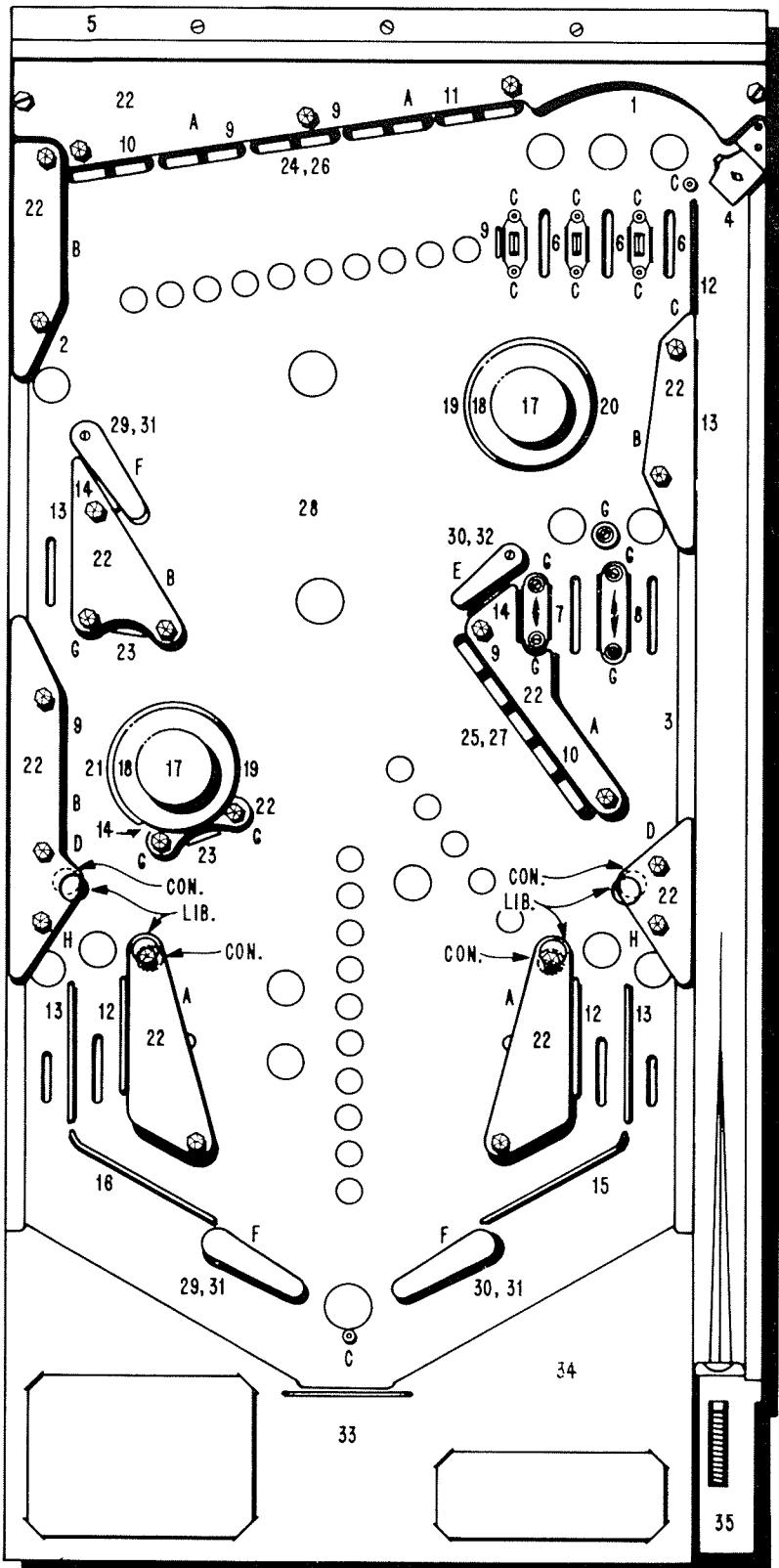
**Premier**  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

LAMP NO.	LAMP ASSIGNMENT	PART NO.
L3	Shoot Again	24031
L4	Special	24031
L5	Extra Ball	24031
L6	Hold Bonus	24031
L7	3X	24031
L12	#1 Target Bank	24031
L13	#2 Target Bank	24031
L14	#3 Target Bank	24031
L15	#4 Target Bank	24031
L16	#5 Target Bank	24031
L17	#6 Target Bank	24031
L18	#7 Target Bank	24031
L19	#8 Target Bank	24031
L20	#9 Target Bank	24031
L21	#10 Target Bank	24031
L22	#11 Target Bank	24031
L23	#12 Target Bank	24031
L24	#13 Target Bank	24031
L25	#14 Target Bank	24031
L26	#15 Target Bank	24031
L27	#1 Rollover	24031
L28	#2 Rollover	24031
L29	#3 Rollover	24031
L30	#4 Rollover	24031
L31	#5 Rollover	24031
L32	#6 Rollover	24031
L33	#7 Rollover	24031
L34	#8 Rollover	24031
L35	#9 Rollover	24031
L36	#10 Rollover	24031
L37	10,000 Bonus	24031
L38	20,000 Bonus	24031
L39	30,000 Bonus	24031
L40	40,000 Bonus	24031
L41	50,000 Bonus	24031
L42	60,000 Bonus	24031
L43	70,000 Bonus	24031
L44	80,000 Bonus	24031
L45	90,000 Bonus	24031
L46	100,000 Bonus	24031
L47	2X	24031
SWITCH MATRIX NO.	SWITCH ASSIGNMENT	PART NO.
SW.00	#1 Drop Target	24031
SW.01	#6 Drop Target	24031
SW.02	#11 Drop Target	24031
SW.10	#2 Drop Target	24031
SW.11	#7 Drop Target	24031
SW.12	#12 Drop Target	24031
SW.20	#3 Drop Target	24032
SW.21	#8 Drop Target	24032
SW.22	#13 Drop Target	24032
SW.30	#4 Drop Target	24031
SW.31	#9 Drop Target	24031
SW.32	#14 Drop Target	24031
SW.40	#5 Drop Target	24031
SW.41	#10 Drop Target	24031
SW.42	#15 Drop Target	24031
SW.50	#1 Rollover	18892
SW.51	#3 Rollover	18892
SW.52	#5 Rollover	18892
SW.53	#7 Rollover	18892
SW.54	#9 Rollover	18892
SW.55	Pop Bumper (With Bracket), (2)	21352
SW.57	Tilt (With Bracket)	9141
SW.60	#2 Rollover	18892
SW.61	#4 Rollover	18892
SW.62	#6 Rollover	18892
SW.63	#8 Rollover	18892
SW.64	#10 Rollover	18892
SW.65	Spot Target (2)	20867
SW.66	30 Point (9) Located on Target Banks (3) Contact Kicker and Bracket (4)	18096 22224
	Contact Kicker (2)	18808
	Kicking Rubber and Bracket (4)	22227
SW.67	Outhole	18688

# EL DORADO



## PLAYBOARD PARTS

### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	3" (5)	10223
B	2" (4)	10221
C	Mini-Post (9)	15705
D	1" (2)	10219
E	Flipper (Red)	13149
F	Flipper (Red), (3)	13151
G	5/16" (8)	10217
H	Siamese (2)	17493

### PARTS LIST

#### ITEM DESCRIPTION

ITEM	DESCRIPTION	PART NO.
1.	Flat Rail	24035
2.	Flat Rail	22102
3.	Flat Rail	15551
4.	Arch Gate Assy.	15550
5.	Arch Shield Retainer	22747
6.	Rollover Guide (Yellow), (3)	15646T
7.	Guide Rail (Yellow)	9393T
8.	Guide Rail (Yellow)	9396T
9.	Ball Guide Rail (5)	18070
10.	Ball Guide Rail (2)	4831
11.	Ball Guide Rail	3722
12.	Ball Guide Rail (3)	4832
13.	Ball Guide Rail (4)	13782
14.	Ball Guide Rail (3)	6931
15.	Ball Guide Rail	14571
16.	Ball Guide Rail	14572
17.	Pop Bumper Cap, with Design (2)	24267
18.	Pop Bumper Body (2)	10435T
19.	Pop Bumper Skirt (2)	10433T
20.	Pop Bumper Trim Platter	8246
21.	Pop Bumper Trim Platter	15576
22.	Plastic Shield Set (10)	24044
23.	Spot Target (Yellow), (2)	9374T
24.	Target Bank Assy., (10 Position)	MA616
25.	Target Bank Assy., (5 Position)	MA648
26.	Drop Target (Yellow) with Design (10)	24269
27.	Drop Target (Green) with Design (5)	24269
28.	Mylar Overlay	24194
29.	Flipper Unit (Left), (2)	MA22
30.	Flipper Unit (Right), (2)	MA22A
31.	Flipper (White), (3)	13150
32.	Flipper (White)	11241
33.	Cardholder	13647
34.	Ball Return Unit	21622
35.	Ball Shooter Gauge	9767
	Plastic Support Post	20635P
	1" Plastic Post (32)	11561P
	Siamese Post (2)	17492Z

# ICE FEVER

**Premier**  
Technology

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NO.

### LAMP ASSIGNMENT

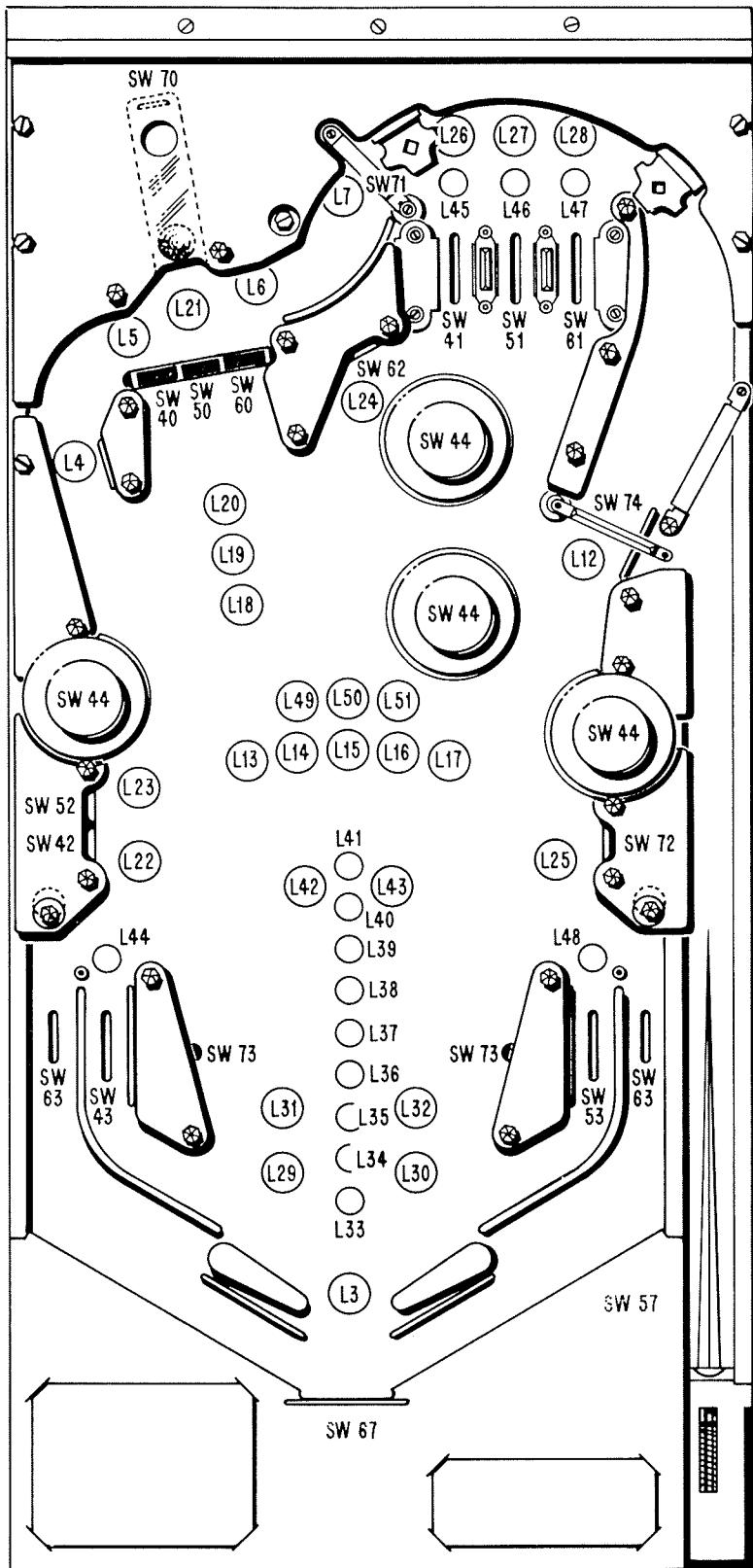
L3	Shoot Again
L4	#1 Special
L5	#2 Special
L6	#3 Special
L7	#4 Special
L12	Spin Target
L13	"F"
L14	"E"
L15	"V"
L16	"E"
L17	"R"
L18	Hat Trick Goal #1
L19	Hat Trick Goal #2
L20	Hat Trick Goal #3
L21	Goal
L22	Lower Left Spot Target
L23	Upper Left Spot Target
L24	Top Spot Target
L25	Right Spot Target
L26	#1 Top Rollover (Extra Ball)
L27	#2 Top Rollover (Extra Ball)
L28	#3 Top Rollover (Extra Ball)
L29	2X
L30	3X
L31	4X
L32	5X
L33	1000
L34	2000
L35	3000
L36	4000
L37	5000
L38	6000
L39	7000
L40	8000
L41	9000
L42	10,000
L43	20,000
L44	Left Return Rollover
L45	#1 Top Rollover "I"
L46	#2 Top Rollover "C"
L47	#3 Top Rollover "E"
L48	Right Return Rollover
L49	"I"
L50	"C"
L51	"E"

### SWITCH MATRIX NUMBER

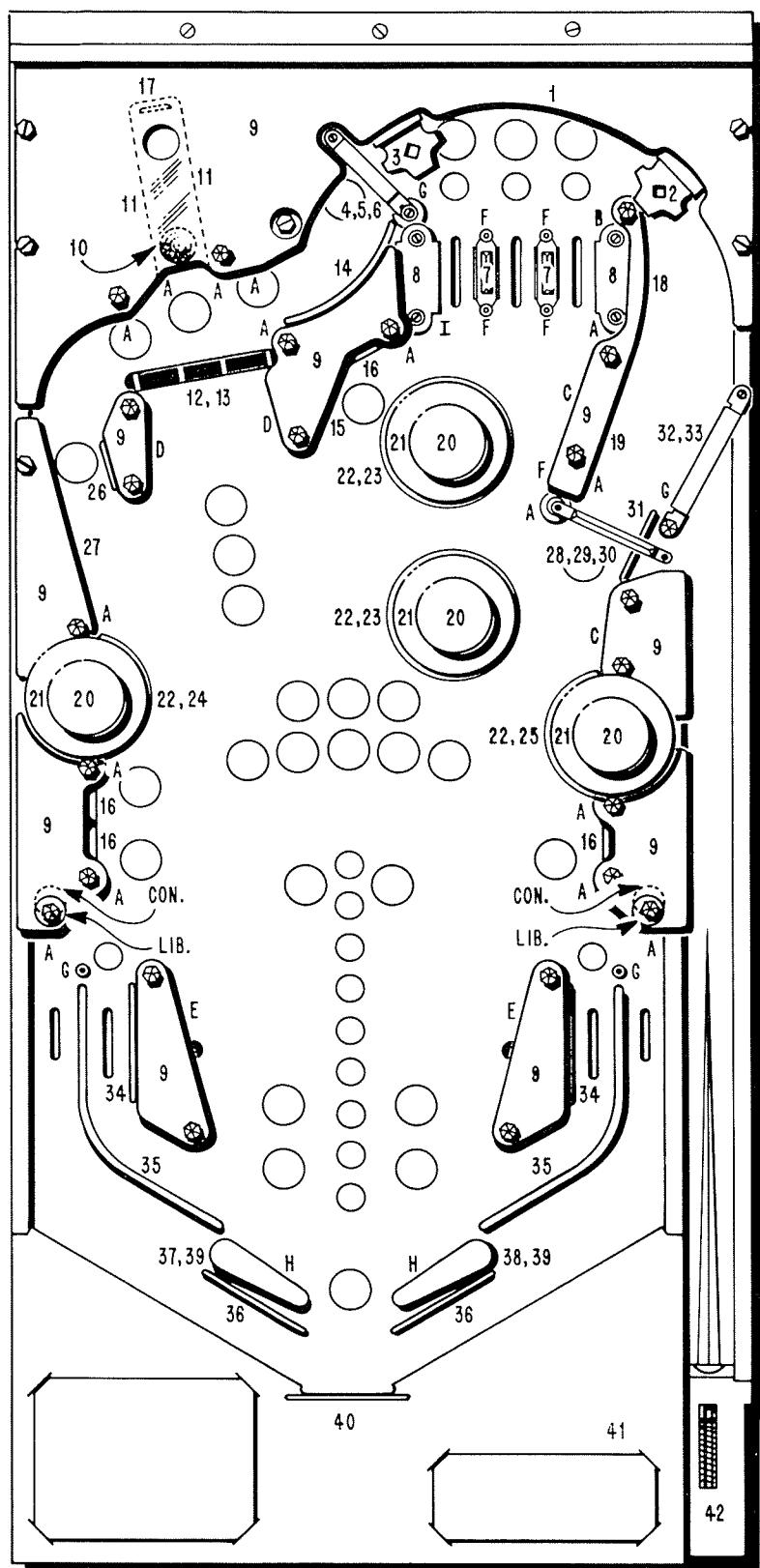
### SWITCH ASSIGNMENT

### PART NO.

SW 40	#1 Drop Target	18093
SW 41	#1 Top Rollover	18892
SW 42	Lower Left Spot Target	20867
SW 43	Left Return Rollover	18892
SW 44	Pop Bumper (4), (With Bracket)	21352
SW 50	#2 Drop Target	18094
SW 51	#2 Top Rollover	18892
SW 52	Upper Left Spot Target	20867
SW 53	Right Return Rollover	18892
SW 57	Tilt (With Bracket)	9141
SW 60	#3 Drop Target	18095
SW 61	#3 Top Rollover	18892
SW 62	Top Spot Target	20867
SW 63	Outside Rollovers (2)	18892
SW 67	Outhole	18688
SW 70	Captive Ball Spot Target	20867
SW 71	Rollunder	22672
SW 72	Right Spot Target	20867
SW 73	30 Point (2) Contact Kicker and Bracket (4)	22224 18808
SW 74	Contact Kicker (2)	19353



## ICE FEVER



## PLAYBOARD PARTS

### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	5/16" (16)	10217
B	1/2"	10218
C	1" (2)	10219
D	1-1/2" (2)	10220
E	2-1/2" (2)	10222
F	Mini-Post (5)	15705
G	Mini-Post (4)	14793
H	Flipper, (Red) (2)	13151
I	2"	10221

### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Arch Rod Rail	24369
2.	Arch Gate Assembly	19645
3.	Arch Rebound Assembly	19646
4.	Rollunder Shield	4869
5.	Rollunder Spring	14236
6.	Rollunder Gate Wireform	22118
7.	Rollover Guide, (Red) (2)	15647U
8.	Guide Rail 2-1/8", (Red) (2)	9395U
9.	Plastic Shield Set	24370
10.	Steel Ball	21864
11.	Ball Guide Rail (2)	13833
12.	Rollover Target Bank (3 Position)	MA712
13.	Target Decals	
	Left Target	24402
	Center Target	24403
	Right Target	24404
14.	Ball Guide Rail	20582
15.	Ball Guide Rail	18070
16.	Spot Target, (Yellow) (4)	9374T
17.	Spot Target, (Red)	9374U
18.	Ball Guide Rail	8514
19.	Ball Guide Rail	17106
20.	Pop Bumper Cap, (Red, with Design) (4)	24400
21.	Pop Bumper Body, (Red) (4)	10434U
22.	Pop Bumper Skirt, (Red) (4)	10433U
23.	Pop Bumper Trim Platter (2)	8246
24.	Pop Bumper Trim Platter	24310
25.	Pop Bumper Trim Platter	24311
26.	Ball Guide Rail	17650
27.	Flat Rail	24368
28.	Swinging Target Shield	14043
29.	Swinging Target Assembly	20388
30.	Swinging Target Switch Rod	20406
31.	Ball Guide Rail	4831
32.	Rollunder Shield	1673
33.	Rollunder Wireform	1674
34.	Ball Guide Rail (2)	4832
35.	Ball Guide Rail (2)	23833
36.	Ball Snubber Rail (2)	13798
37.	Flipper Unit (Left)	MA656
38.	Flipper Unit (Right)	MA710
39.	Flipper, (White) (2)	13150
40.	Cardholder	13647
41.	Ball Return Unit	21622
42.	Ball Shooter Gauge	9767

Plastic Support Post (2)  
1" Plastic Post (37)  
1-3/16" Plastic Post

20635P  
11561P  
11562P

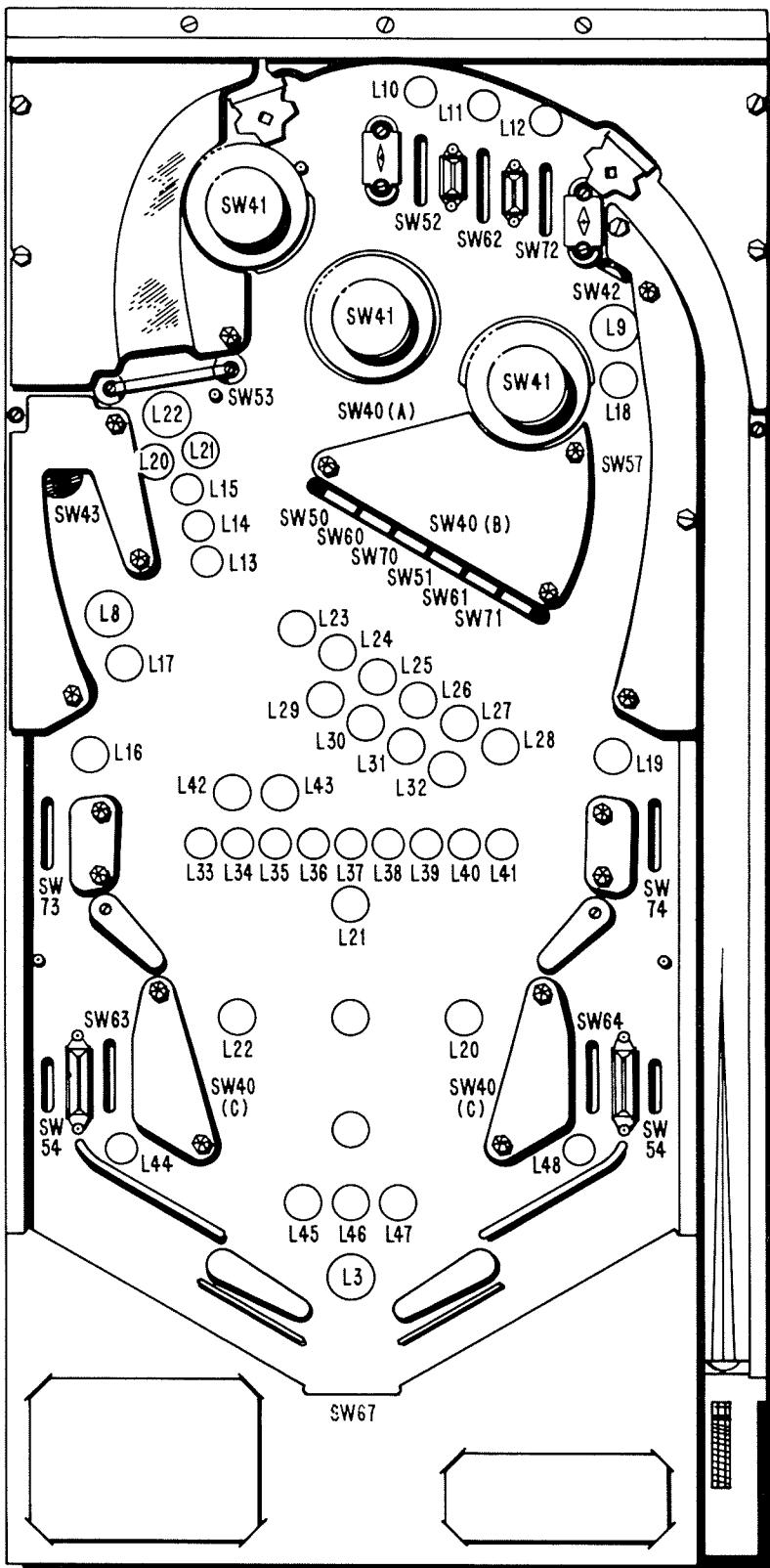
# CHICAGO CUBS "TRIPLE PLAY"

**Premier**  
Technology

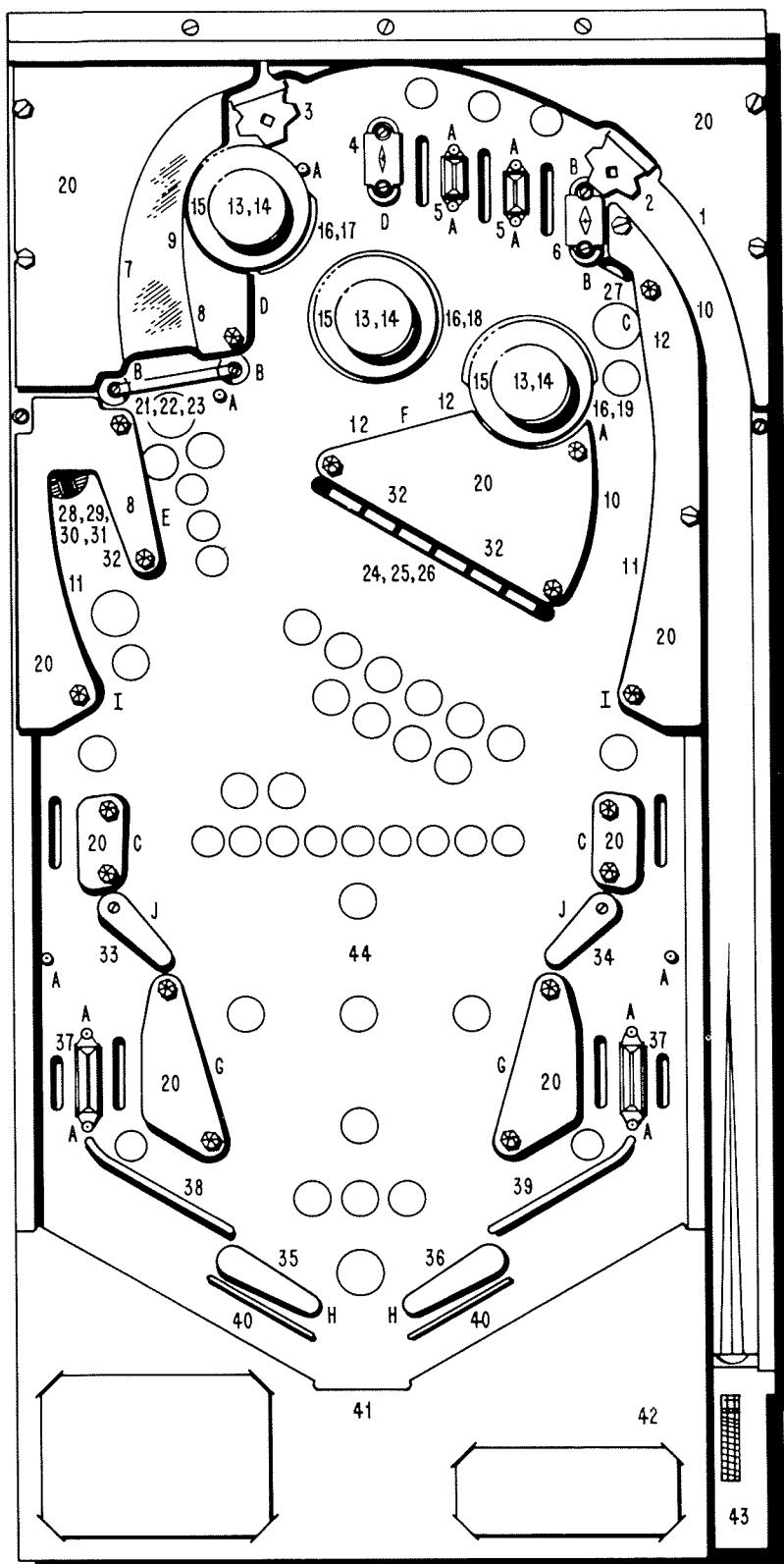
## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

LAMP NUMBER	LAMP ASSIGNMENT
L3	Shoot Again
L8	Extra Ball (Hole)
L9	Special (Spot Target)
L10	#1 Top Rollover
L11	#2 Top Rollover
L12	#3 Top Rollover
L13	#1 Spinner
L14	#2 Spinner
L15	#3 Spinner
L16	Add A Runner (Left Side Rollover)
L17	Add A Runner (Hole)
L18	Add A Runner (Spot Target)
L19	Add A Runner (Right Side Rollover)
L20	1st Base/Ground Out
L21	2nd Base/Double Play
L22	3rd Base/Triple Play
L23	"T"
L24	"R"
L25	"I"
L26	"P"
L27	"L"
L28	"F"
L29	"P"
L30	"L"
L31	"A"
L32	"Y"
L33	1st Inning Completed
L34	2nd Inning Completed
L35	3rd Inning Completed
L36	4th Inning Completed
L37	5th Inning Completed
L38	6th Inning Completed
L39	7th Inning Completed
L40	8th Inning Completed
L41	9th Inning Completed
L42	Complete Game #1
L43	Complete Game #2
L44	Left Return Rollover
L45	Out #1
L46	Out #2
L47	Out #3
L48	Right Return Rollover

SWITCH MATRIX NUMBER	SWITCH ASSIGNMENT	PART NO.
SW40(A)	10 Point	22227
SW40(B)	10 Point	18096
SW40(C)	10 Point (2) Contact Kicker and Bracket (4)	22224
SW41	Contact Kicker (2)	18808
SW42	Pop Bumper (3)	21352
SW43	Spot Target	20867
SW50	Hole	18085
SW51	#1 Drop Target	18094
SW52	#4 Drop Target	18094
SW53	#1 Top Rollover	18892
SW54	Spinner	19353
SW54	Outside Rollovers (2)	18892
SW57	Tilt (with Bracket)	9141
SW60	#2 Drop Target	18095
SW61	#5 Drop Target	18095
SW62	#2 Top Rollover	18892
SW63	Left Return Rollover	18892
SW64	Right Return Rollover	18892
SW67	Outhole (Assembly)	18688
SW70	#3 Drop Target	18093
SW71	#6 Drop Target	18093
SW72	#3 Top Rollover	18892
SW73	Left Side Rollover	18892
SW74	Right Side Rollover	18892



## CHICAGO CUBS "TRIPLE PLAY"



### PLAYBOARD PARTS INFORMATION

#### RUBBER RINGS

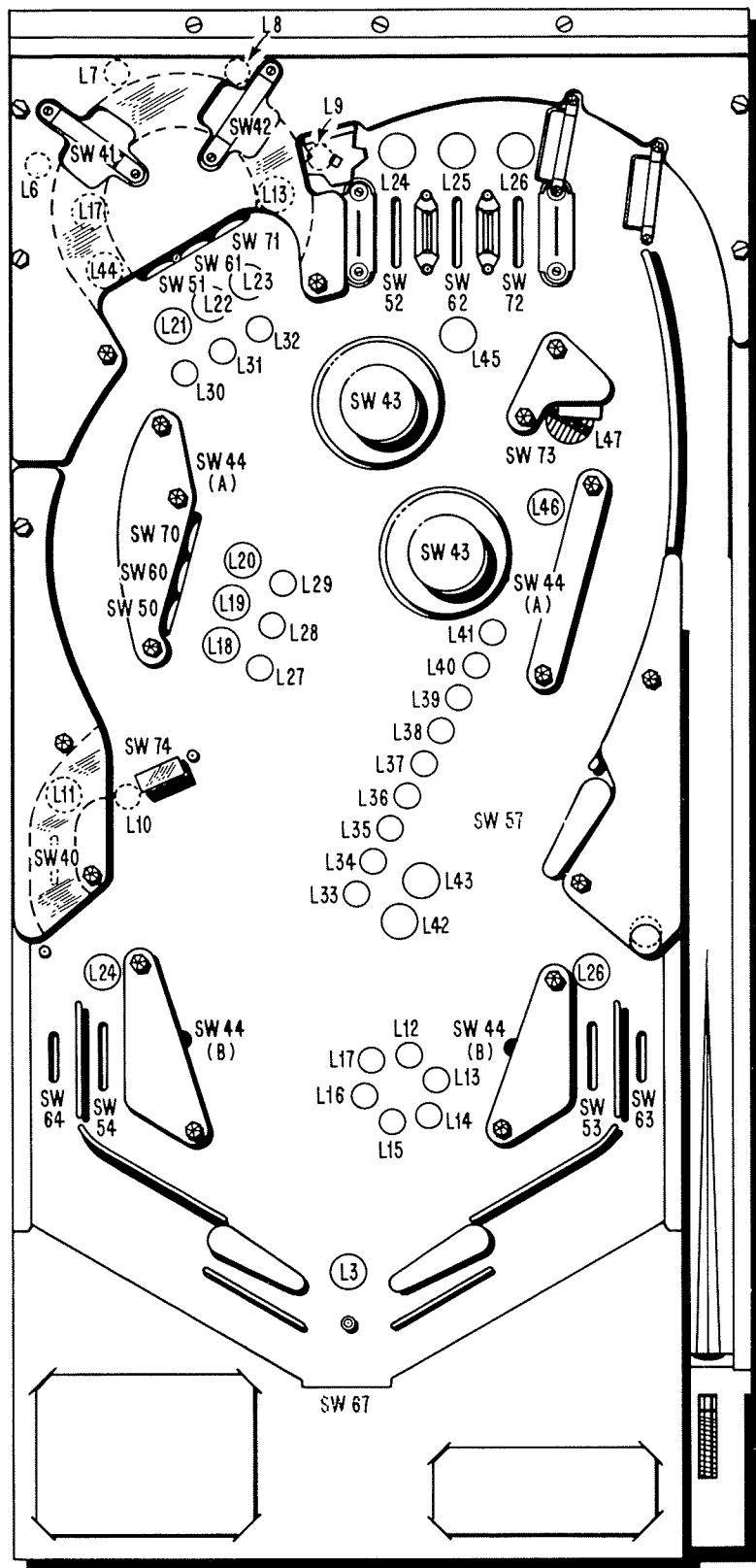
ITEM	DESCRIPTION	PART NO.
A	Mini-Post (13)	15705
B	5/16" (6)	10217
C	1-1/2" (3)	10220
D	1" (2)	10219
E	2"	10221
F	4"	10225
G	2-1/2" (2)	10222
H	Flipper, (Red) (2)	13151
I	1/2" (2)	10218
J	Flipper, (Red) (2)	13149

#### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Arch Rod Rail	22744
2.	Arch Gate Assembly	19645
3.	Arch Rebound Assembly	19646
4.	Guide Rail (White)	9393Z
5.	Rollover Guide (WHITE) (2)	15646Z
6.	Guide Rail (White)	9393Z
7.	Ball Guide Rail	18764
8.	Ball Guide Rail (2)	3722
9.	Ball Guide Rail	19963
10.	Ball Guide Rail (2)	8514
11.	Ball Guide Rail (2)	19331
12.	Ball Guide Rail (3)	18070
13.	Pop Bumper Cap, (White) (3)	10434Z
14.	Pop Bumper Cap Decal (3)	24473
15.	Pop Bumper Body and Socket (White) (3)	MA27
16.	Pop Bumper Skirt (White) (3)	10433Z
17.	Pop Bumper Trim Platter	24467
18.	Pop Bumper Trim Platter	8246
19.	Pop Bumper Trim Platter	24466
20.	Plastic Shield Set	24463-1
21.	Swinging Target Shield	14043
22.	Swinging Target Assembly	24494
23.	Swinging Target Switch Rod	20406
24.	Six Position Target Bank	MA731
25.	Plastic Target (Yellow) (6)	11905TL
26.	Target Decal (6)	24474
27.	Spot Target (Red)	9374U
28.	Hole Kicker	15827
29.	Hole Base Plate (White)	15707Z
30.	Hole Snubber	16038
31.	Hole Liner	11151
32.	Ball Deflector (3)	21158
33.	Left Flipper Unit (Upper)	MA91
34.	Right Flipper Unit (Upper)	MA91A
35.	Left Flipper Unit (Lower)	MA656
36.	Right Flipper Unit (Lower)	MA710
37.	Rollover Guide (White) (2)	15648Z
38.	Ball Guide Rail	14572
39.	Ball Guide Rail	14571
40.	Ball Snubber Rail (2)	13798
41.	Cardholder (Blue)	13647
42.	Ball Return Unit	21622
43.	Ball Shooter Gauge	9767
44.	Mylar Overlay	24478
	Plastic Support Post (2)	20635P
	1" Plastic Post (29)	11561P
	Siamese Post (4)	17492

# BOUNTY HUNTER

Premier  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NUMBER

### LAMP ASSIGNMENT

L3	Shoot Again
L6	#1 Loop
L7	#2 Loop
L8	#3 Loop
L9	#4 Loop
L10	Rollover Drop Target
L11	Left Side Rollover
L12	#1 Chamber
L13	#2 Chamber and Right Fire
L14	#3 Chamber
L15	#4 Chamber
L16	#5 Chamber
L17	#6 Chamber and Left Fire
L18	#1 Green Spot Target
L19	#2 Green Spot Target
L20	#3 Green Spot Target
L21	#4 Green Spot Target
L22	#5 Green Spot Target
L23	#6 Green Spot Target
L24	#1 Top and Left Return Rollovers
L25	#2 Top Rollover
L26	#3 Top and Right Return Rollovers
L27	#1 Yellow Spot Target
L28	#2 Yellow Spot Target
L29	#3 Yellow Spot Target
L30	#4 Yellow Spot Target
L31	#5 Yellow Spot Target
L32	#6 Yellow Spot Target
L33	10,000 Bonus (Barrel)
L34	20,000 Bonus (Barrel)
L35	30,000 Bonus (Barrel)
L36	40,000 Bonus (Barrel)
L37	50,000 Bonus (Barrel)
L38	60,000 Bonus (Barrel)
L39	70,000 Bonus (Barrel)
L40	80,000 Bonus (Barrel)
L41	90,000 Bonus (Barrel)
L42	100,000 Bonus (Lower Lamp)
L43	100,000 Bonus (Upper Lamp)
L44	Special
L45	Extra Ball
L46	Load All Bullets (Hole)
L47	Light Special (Hole)

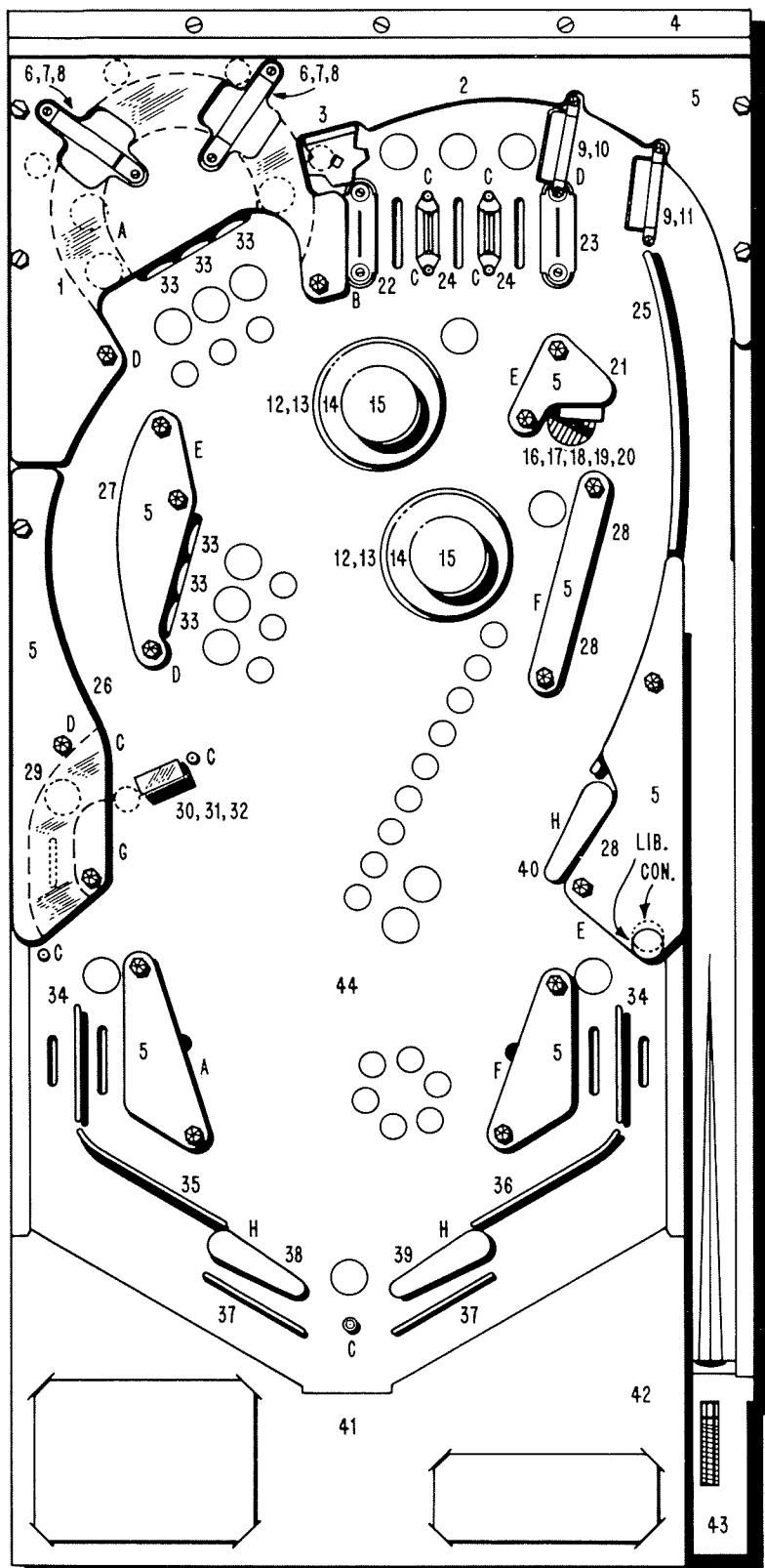
### SWITCH MATRIX NUMBER

### SWITCH ASSIGNMENT

### PART NO.

SW40	Left Side Rollover	18892
SW41	Left Top Rollunder	21137
SW42	Right Top Rollunder	21137
SW43	Pop Bumper (with Bracket) (2)	21352
SW44(A)	10 Point (with Bracket) (2)	22227
SW44(B)	10 Point (2)	
	Contact Kicker and Bracket (4)	22224
SW50	Contact Kicker (2)	18808
SW51	#1 Spot Target (with Bracket)	20867
SW52	#4 Spot Target (with Bracket)	20867
SW53	#1 Top Rollover	18892
SW54	Right Return Rollover	18892
SW55	Left Retun Rollover	18892
SW57	Tilt (with Bracket)	9141
SW60	#2 Spot Target (with Bracket)	20867
SW61	#5 Spot Target (with Bracket)	20867
SW62	#2 Top Rollover	18892
SW63	Right Outside Rollover	18892
SW64	Left Outside Rollover	18892
SW65	Outhole (Assembly)	18688
SW70	#3 Spot Target (with Bracket)	20867
SW71	#6 Spot Target (with Bracket)	20867
SW72	#3 Top Rollover	18892
SW73	Hole Kicker	18085
SW74	Rollover Target	18094

## BOUNTY HUNTER



### PLAYBOARD PARTS INFORMATION

#### RUBBER RINGS

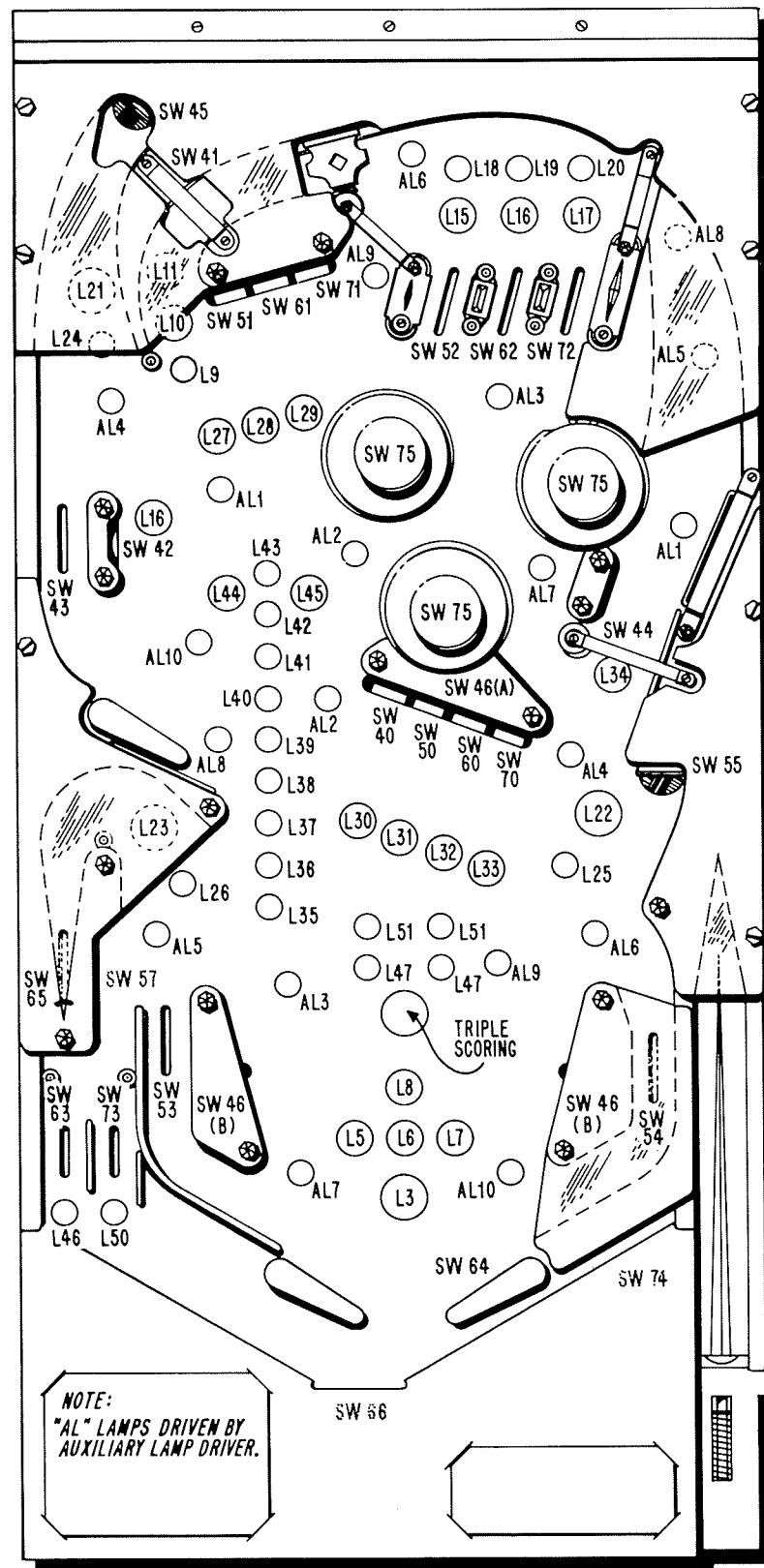
ITEM	DESCRIPTION	PART NO.
A	2-1/2" (2)	10222
B	2"	10221
C	Mini-Post (8)	15705
D	5/16" (5)	10217
E	1-1/2" (3)	10220
F	3" (2)	10223
G	1" (2)	10219
H	Flipper, (Red), (3)	13151

#### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Ball Guide Rail	20031
2.	Flat Rail	24417
3.	Arch Rebound Assembly	19646
4.	Arch Shield Retainer	22747
5.	Plastic Shield Set	24418
6.	Rollunder Shield (2)	4869
7.	Rollunder Gate (2)	22118
8.	Rollunder Spring (2)	14236
9.	Rollunder Shield (2)	17300
10.	Rollunder Wireform	17299
11.	Rollunder Wireform	22112
12.	Pop Bumper Trim Platter (2)	8246
13.	Pop Bumper Skirt (Yellow) (2)	10433T
14.	Pop Bumper Body and Socket (Yel.) (2)	MA243
15.	Pop Bumper Cap (Yellow) (2)	10434T
16.	Hole Snubber	16038
17.	Hole Base Plate (Red)	15707U
18.	Hole Liner	11151
19.	Hole Kicker	15827
20.	Hole Switch Arm (Red)	15708U
21.	Ball Guide Rail	16036
22.	Guide Rail (Red)	9395U
23.	Guide Rail (Red)	9396U
24.	Rollover Guide (Red) (2)	15647U
25.	Ball Guide Rail	16992
26.	Ball Guide Rail	20030
27.	Ball Guide Rail	4246
28.	Ball Guide Rail (3)	6931
29.	Flat Rail	24008
30.	Three Pos. Target Bank	MA729
31.	Target Decal	24518
32.	Rollover Target	20892P
33.	Spot Target (White) (6)	9374Z
34.	Ball Guide Rail (2)	4832
35.	Ball Guide Rail	14568
36.	Ball Guide Rail	14505
37.	Ball Snubber Rail (2)	13798
38.	Left Flipper Unit	MA656
39.	Right Flipper Unit (Lower)	MA710
40.	Right Flipper Unit (Upper)	MA22A
41.	Cardholder (BROWN)	13647-694
42.	Ball Return Unit	21622
43.	Ball Shooter Gauge	9767-694
44.	Mylar Overlay	24498

Plastic Support Post (6)  
1" Plastic Post (31)  
Light Shield (Red) (7)  
Pop Bumper Decal (2)

20635P  
11561P  
24410U  
24530

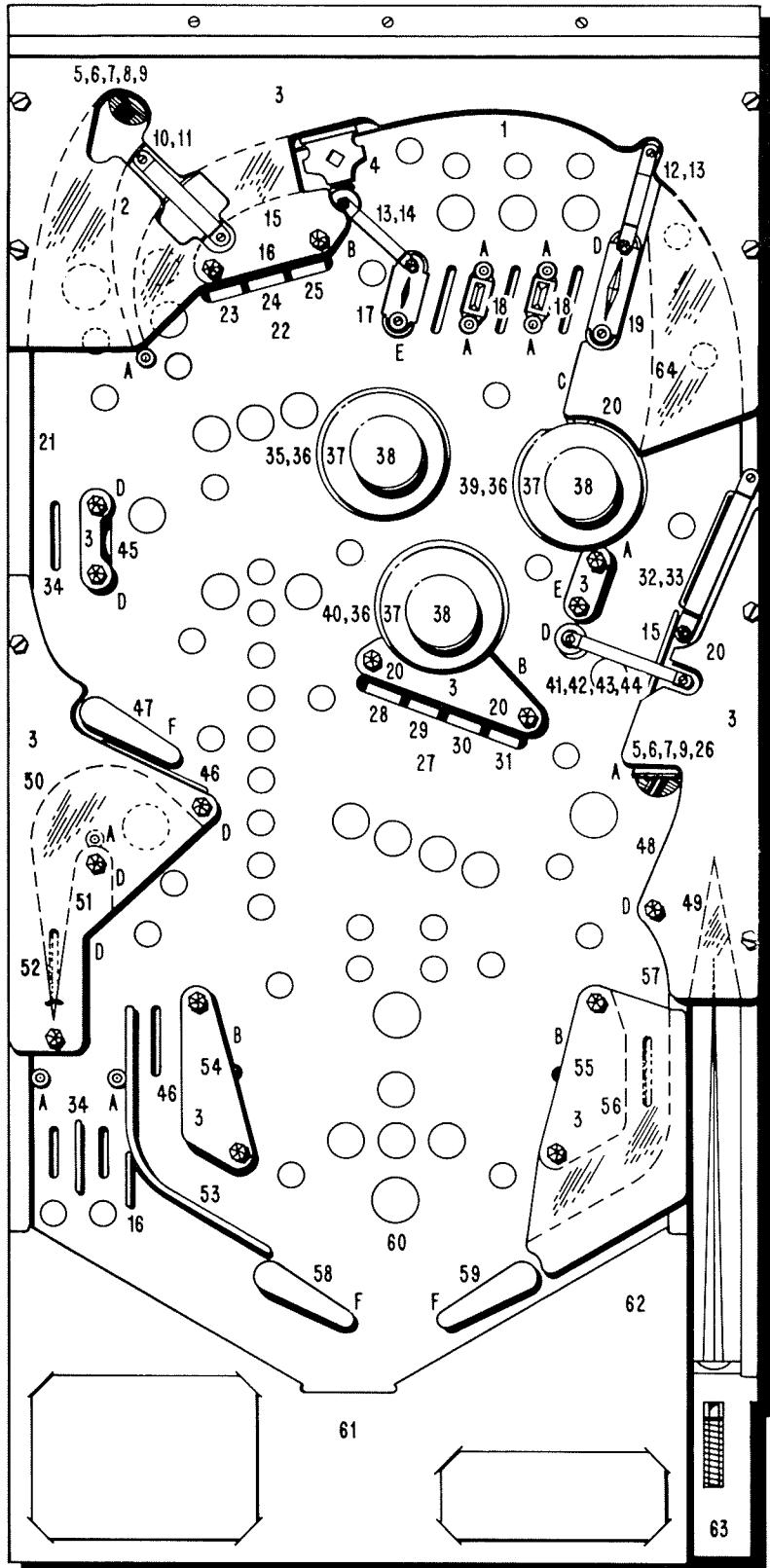

**PLAYBOARD SWITCH AND  
LAMP ASSIGNMENTS**
**LAMP  
NUMBER**

LAMP NUMBER	LAMP ASSIGNMENT
L3	Shoot Again
L5	2X (Multiplier)
L6	3X (Multiplier)
L7	4X (Multiplier)
L8	5X (Multiplier)
L9	10,000 (Rollunder)
L10	15,000 (rollunder)
L11	Extra Ball (Rollunder)
L15	#1 Special
L16	#2 Special and Spot Target
L17	#3 Special
L18	#1 Top Rollover
L19	#2 Top Rollover
L20	#3 Top Rollover
L21	Capture-Left Top Hole
L22	Capture-Right Side Hole
L23	Launch-Left Side Kicker
L24	Collect, Left Top Hole
L25	Collect, Right Side Hole
L26	Collect, Left Side Kicker
L27	#1 Drop Target (Upper)
L28	#2 Drop Target (Upper)
L29	#3 Drop Target (Upper)
L30	#1 Drop Target (Lower)
L31	#2 Drop Target (Lower)
L32	#3 Drop Target (Lower)
L33	#4 Drop Target (Lower)
L34	Spinner
L35	1000
L36	2000
L37	3000
L38	4000
L39	5000
L40	6000
L41	7000
L42	8000
L43	9000
L44	10,000
L45	20,000
L46	Last Chance Left Outside Rollover
L47	Team Play
L50	Last Chance Right Outside Rollover
L51	Regulation Play

**SWITCH  
MATRIX  
NUMBER**

SWITCH MATRIX NUMBER	PART NO.
SW 40	#1 Drop Target (Lower)
SW 41	Top Rollunder
SW 42	Spot Target (with Bracket)
SW 43	Left Side Rollover
SW 44	Right Spinner (with Bracket)
SW 45	Left Top Hole
SW 46(A)	10 Point (with Bracket)
SW 46(B)	10 Point (2)
	Contact Kicker and Bracket (4)
SW 50	Contact Kicker (2)
SW 51	#2 Drop Target (Lower)
SW 52	#1 Drop Target (Upper)
SW 53	#1 Top Rollover
SW 54	Left Return Rollover
SW 55	Right Return Rollover
SW 57	Right Side Hole
SW 60	Tilt (with Bracket)
SW 61	#3 Drop Target (Lower)
SW 62	#2 Drop Target (Upper)
SW 63	#2 Top Rollover
SW 64	Left Outside Rollover
SW 65	Right Flipper
SW 66	Left Side Kicker
SW 70	Outhole (Assembly)
SW 71	#4 Drop Target (Lower)
SW 72	#3 Drop Target (Upper)
SW 73	#3 Top Rollover
SW 74	Right Outside Rollover
SW 75	3rd Position Trough
	Pop Bumpers (with Bracket) (3)

## TAG TEAM



## PLAYBOARD PARTS INFORMATION

### RUBBER RINGS

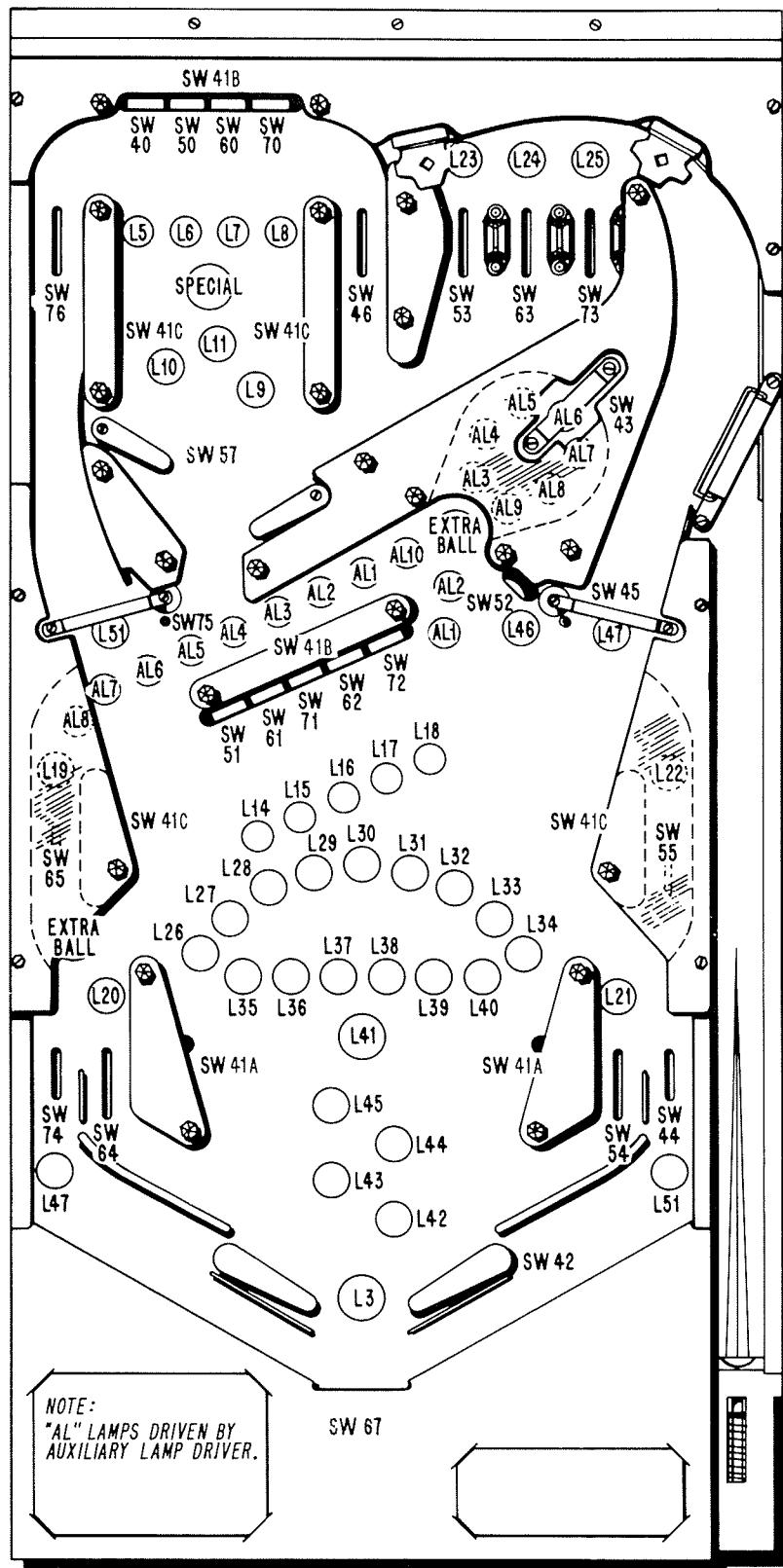
ITEM	DESCRIPTION	PART NO.
A	Mini-Post (10)	15705
B	2-1/2" (4)	10222
C	1-1/2"	10220
D	3/8" (8)	10217
E	1" (2)	10219
F	Flipper, (Red), (3)	13151

### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1.	Flat Rail	24568
2.	Ball Guide Rail	21720
3.	Plastic Shield Set	24579
4.	Arch Rebound Assembly	19646
5.	Hole Snubber (2)	16038
6.	Hole Base Plate (Yellow) (2)	15707T
7.	Hole Liner (2)	11151
8.	Hole Kicker Assembly	MA350
9.	Hole Switch Arm (Yellow) (2)	15708T
10.	Metal Shield	4869
11.	Gate Wireform	22118
12.	Rollunder Gate Wireform	17299
13.	Metal Shield (2)	17300
14.	Rollunder Gate Wireform	22112
15.	Ball Guide Rail (2)	13782
16.	Ball Guide Rail (2)	6931
17.	Guide Rail (Yellow)	9393T
18.	Rollover Guide (Yellow) (2)	15646T
19.	Guide Rail (Yellow)	9398T
20.	Ball Guide Rail (4)	18070
21.	Flat Rail	24569
22.	Three Position Target Bank Assembly	MA183
23.	Plastic Target (Yellow) ("T")	24624U
24.	Plastic Target (Yellow) ("A")	13449U
25.	Plastic Target (Yellow) ("G")	24626U
26.	Hole Kicker Assembly	MA153
27.	Four Position Target Bank Assembly	MA42
28.	Plastic Target (Yellow) ("T")	24624U
29.	Plastic Target (Yellow) ("E")	19598U
30.	Plastic Target (Yellow) ("A")	13449U
31.	Plastic Target (Yellow) ("M")	24628U
32.	Metal Shield	1673
33.	Gate Wireform	1674
34.	Ball Guide Rail (2)	6612
35.	Pop Bumper Trim Platter	8246
36.	Pop Bumper Skirt (Yellow) (3)	10433T
37.	Pop Bumper Body and Socket (Yel.) (3)	MA243
38.	Pop Bumper Cap (Yel.) with Design (3)	24630U
39.	Pop Bumper Trim Platter	24576
40.	Pop Bumper Trim Platter	24577
41.	Target Shield	14043
42.	Swinging Target Assembly	20388
43.	Swinging Target Rod	20405
44.	Nylon Washer (2)	20407
45.	Spot Target (Red) (Bullseye)	9383U
46.	Ball Guide Rail (2)	4832
47.	Top Left Flipper Assembly	MA22
48.	Ball Guide Rail	18764
49.	Ball Guide Rail	17106
50.	Flat Rail	24571
51.	Ball Guide Rail	4833
52.	Kicker Assembly	MA41A
53.	Ball Guide Rail	23833
54.	Kicker Assembly	MA135
55.	Kicker Assembly	MA135A
56.	Ball Guide Rail	3722
57.	Flat Rail	24570
58.	Left Flipper Unit	MA656
59.	Right Flipper Unit	MA657
60.	Mylar Overlay	24578
61.	Cardholder (Blue)	13647-698
62.	Ball Return Unit Assembly	18638
63.	Ball Shooter Gauge	9767-698
	Ball Guide Rail	19331
	Plastic Support Post (6)	20635P
	Light Shield (Red) (13)	24410U
	1" Plastic Post (27)	11561P
	Siamese Post (2)	17492

# ROCK; ROCK ENCORE

**Premier**  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NUMBER

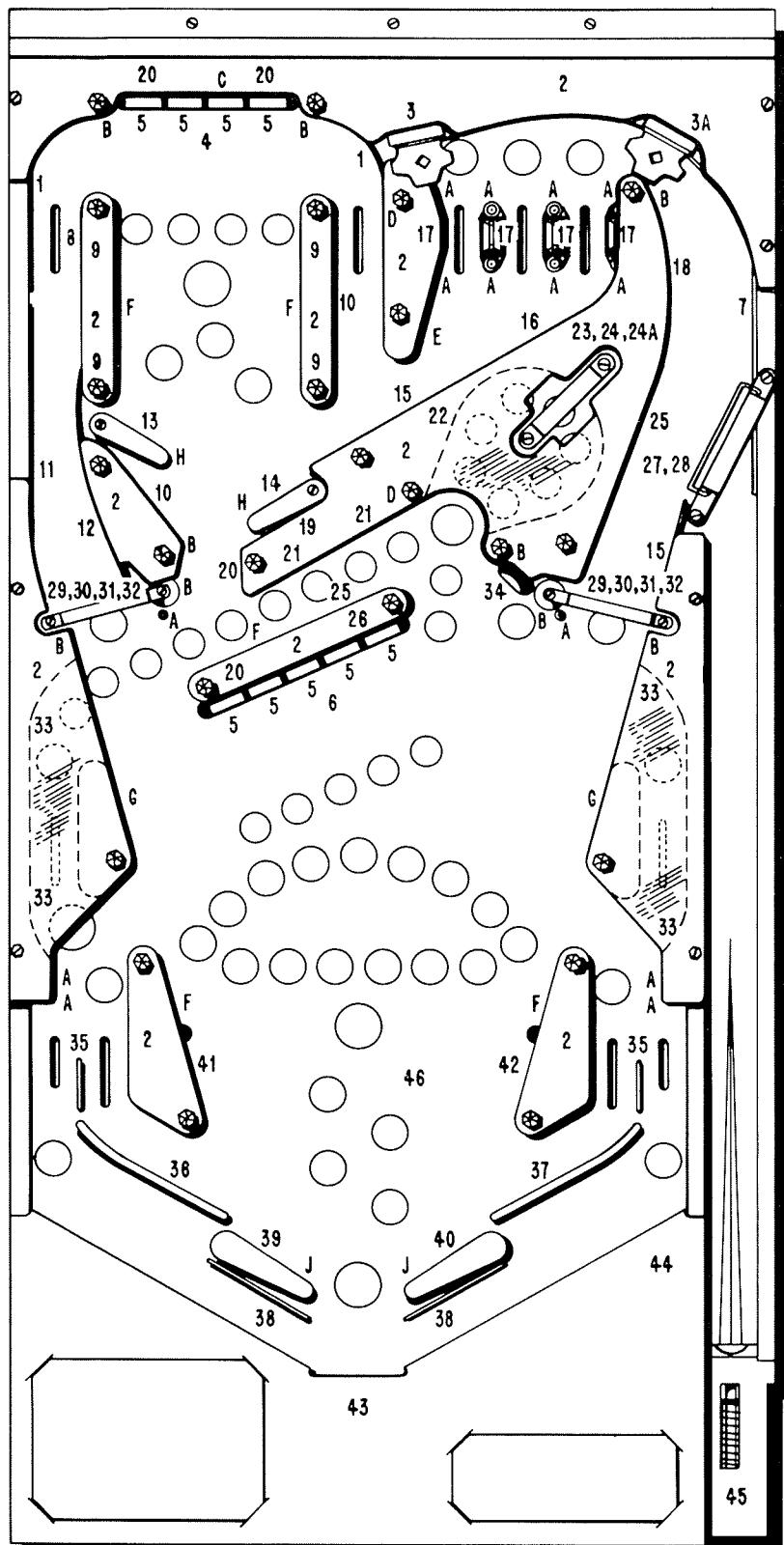
### LAMP ASSIGNMENT

L3	Shoot Again
L5	#1 Drop Target (Upper)
L6	#2 Drop Target (Upper)
L7	#3 Drop Target (Upper)
L8	#4 Drop Target (Upper)
L9	Level 1
L10	Level 2
L11	Level 3
L14	#1 Drop Target (Lower)
L15	#2 Drop Target (Lower)
L16	#3 Drop Target (Lower)
L17	#4 Drop Target (Lower)
L18	#5 Drop Target (Lower)
L19	Left Side Rollover
L20	Left Return Rollover
L21	Right Return Rollover
L22	Right Side Rollover
L23	#1 Top Rollover ("A")
L24	#2 Top Rollover ("B")
L25	#3 Top Rollover ("C")
L26	"R"
L27	"O"
L28	"C"
L29	"K"
L30	"AND"
L31	"R"
L32	"O"
L33	"L"
L34	"L"
L35	"L"
L36	"I"
L37	"V"
L38	"E"
L39	"S"
L40	"!"
L41	Double Scoring
L42	2X
L43	3X
L44	4X
L45	5X
L46	Spot Target
L47	Left Outside Rollover and Right Spinner
L51	Right Outside Rollover Left Spinner

### SWITCH MATRIX NUMBER

SWITCH NUMBER	ASSIGNMENT	PART NO.
SW 40	#1 Drop Target (Upper)	18094
SW 41(A)	10 Point (2)	22224
SW 41(B)	Contact Kicker and Bracket (4)	18808
SW 41(C)	Contact Kicker (2)	18096
SW 42	10 Point (2) (with Bracket)	22227
SW 43	Right Flipper (Lower)	22398
SW 44	Rollunder	21137
SW 45	Right Outside Rollover	18892
SW 46	Right Spinner (with Bracket)	19354
SW 50	Right Top Rollover	18892
SW 51	#2 Drop Target (Upper)	18094
SW 52	#1 Drop Target (Lower)	18094
SW 53	Spot Target (with Bracket)	20867
SW 54	#1 Top Rollover	18892
SW 55	Right Return Rollover	18892
SW 57	Right Side Rollover	18892
SW 60	Tilt (with Bracket)	9141
SW 61	#3 Drop Target (Upper)	18095
SW 62	#2 Drop Target (Lower)	18095
SW 63	#4 Drop Target (Lower)	18095
SW 64	#2 Top Rollover	18892
SW 65	Left Return Rollover	18892
SW 67	Left Side Rollover	18892
SW 70	Outhole (Assembly)	18688
SW 71	#4 Drop Target (Upper)	18093
SW 72	#3 Drop Target (Lower)	18093
SW 73	#5 Drop Target (Lower)	18093
SW 74	#3 Top Rollover	18892
SW 75	Left Outside Rollover	18892
SW 76	Left Spinner (with Bracket)	19354
	Left Top Rollover	18892

## ROCK; ROCK ENCORE



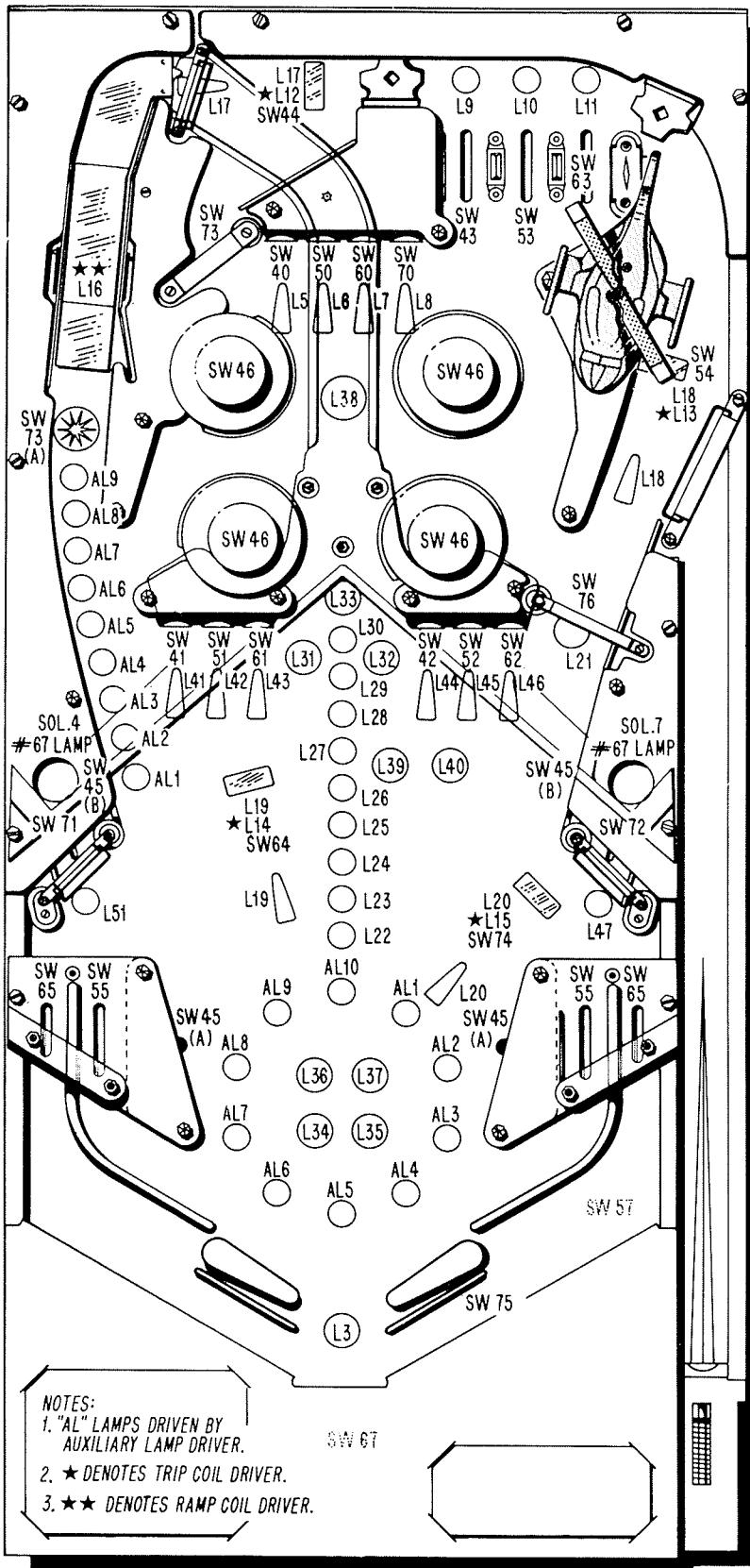
### PLAYBOARD PARTS INFORMATION

#### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	Mini-Post (14)	15705
B	5/16" (9)	10217
C	2-1/2"	10222
D	7/16" (2)	17493
E	1"	10219
F	3" (5)	10223
G	2" (2)	10221
H	Flipper Red (2)	13149
J	Flipper Red (2)	13151

#### PARTS LIST

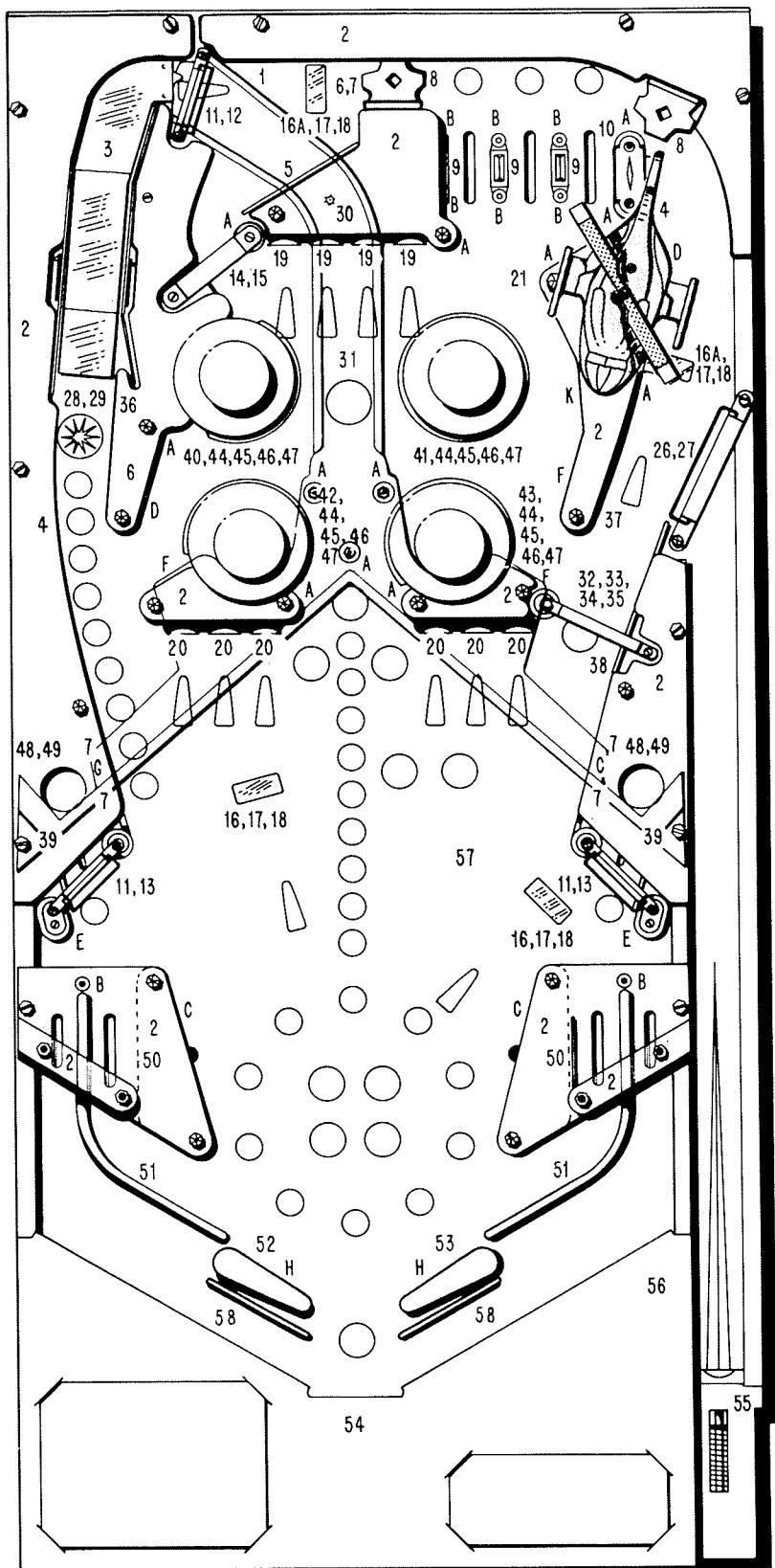
ITEM	DESCRIPTION	PART NO.
1	Flat Rail (2)	24508
2	Plastic Shield Set	24536
3	Arch Rebound Assembly	19646
3A	Arch Rebound Assembly	19645
4	Four Position Target Bank Assembly	MA42
5	Plastic Target (Red body with Gold design, 4) (Black body with Gold design, 5)	24798 24798
6	Five Position Target Bank Assembly	MA787
7	Flat Rail	24510
8	Ball Guide Rail	18563
9	Ball Guide Rail (4)	17650
10	Ball Guide Rail (2)	4832
11	Flat Rail	24509
12	Ball Guide Rail	4246
13	Flipper Assembly (Small, Left)	MA228A
14	Flipper Assembly (Small, Right)	MA228
15	Ball Guide Rail (2)	4833
16	Ball Guide Rail	14505
17	Rollover Guide (Yellow) (4)	15646T
18	Ball Guide Rail	8514
19	Ball Guide Rail	6612
20	Ball Guide Rail (4)	18070
21	Ball Deflector (2)	21158
22	Flat Rail	22107
23	Metal Shield	4869
24	Gate Wireform	22118
24A	Switch Spring	14236
25	Ball Guide Rail (2)	11703
26	Ball Guide Rail	4831
27	Metal Shield	1673
28	Gate Wireform	1674
29	Target Shield (2)	14043
30	Spinning Target Assembly (2)	20388
31	Spinning Target Rod (2)	20405
32	Nylon Washer (4)	20407
33	Flat Rail (4)	22102
34	Spot Target (Red) (Bullseye, White)	9383U
35	Spinning Target Rod (2)	20405
36	Nylon Washer (4)	20407
37	Flat Rail (4)	22102
38	Spot Target (Yellow)	9374T
39	Ball Guide Rail (2)	6931
40	Ball Guide Rail	24507
41	Ball Guide Rail	24506
42	Ball Snubber Rail (2)	13798
43	Left Flipper Unit	MA656
44	Right Flipper Unit	MA657
45	Kicker Assembly (Left)	MA135
46	Kicker Assembly (Right)	MA135A
	Cardholder (Nickel Plated)	13647-697
	Ball Return Unit Assembly	21622
	Ball Shooter Gauge	9767-697
	Mylar Overlay	24535
	"Q" Relay Assembly	MA23
	"T" Relay Assembly	MA25
	"A" Relay Assembly	MA786
	"B" Relay Assembly	MA785
	Plastic Support Post (10)	20635P
	Light Shield (Red) (3)	24410U
	1" Plastic Post (33)	11561P
	R1, 0.33 Ohm, 10%, 5W, WW	XO-154

**PLAYBOARD SWITCH AND  
LAMP ASSIGNMENTS**

**LAMP NUMBER      LAMP ASSIGNMENT**

L3	Shoot Again
L5	#1 Top Spot Target
L6	#2 Top Spot Target
L7	#3 Top Spot Target
L8	#4 Top Spot Target
L9	#1 Top Rollover
L10	#2 Top Rollover
L11	#3 Top Rollover
L17	Top Left Drop Target (2 Lamps)
L18	Top Right Drop Target (2 Lamps)
L19	Bottom Left Drop Target (2 Lamps)
L20	Bottom Right Drop Target (2 Lamps)
L21	Spinner
L22	1000
L23	2000
L24	3000
L25	4000
L26	5000
L27	6000
L28	7000
L29	8000
L30	9000
L31	10,000
L32	20,000
L33	30,000
L34	1X
L35	2X
L36	4X
L37	8X
L38	Special
L39	Extra
L40	Ball
L41	#1 Left Spot Target
L42	#2 Left Spot Target
L43	#3 Left Spot Target
L44	#1 Right Spot Target
L45	#2 Right Spot Target
L46	#3 Right Spot Target
L47	Right Side Rollover
L51	Left Side Rollover

**SWITCH MATRIX NUMBER**

SWITCH MATRIX NUMBER	SWITCH ASSIGNMENT	PART NO.
SW 40	#1 Top Spot Target (with Bracket)	20867
SW 41	#1 Left Spot Target (with Bracket)	20867
SW 42	#1 Right Spot Target (with Bracket)	20867
SW 43	#1 Top Rollover	18892
SW 44	Top Left Rollover Target	18095
SW 45(A)	Rubber Switch (2) Contact Kicker and Bracket (4)	22224
	Contact Kicker (2)	18808
SW 45(B)	Rubber Switch (with Bracket) (2)	18078
SW 46	Pop Bumpers (with Bracket) (4)	21352
SW 50	#2 Top Spot Target (with Bracket)	20867
SW 51	#2 Left Spot Target (with Bracket)	20867
SW 52	#2 Right Spot Target (with Bracket)	20867
SW 53	#2 Top Rollover	18892
SW 54	Top Right Rollover Target	18095
SW 55	Return Rollovers (2)	18892
SW 57	Tilt (with Bracket)	9141
SW 60	#3 Top Spot Target (with Bracket)	20867
SW 61	#3 Left Spot Target (with Bracket)	20867
SW 62	#3 Right Spot Target (with Bracket)	20867
SW 63	#3 Top Rollover	18892
SW 64	Bottom Left Rollover Target	18095
SW 65	Outside Rollovers (2)	18892
SW 67	Outhole (Assembly)	18688
SW 70	#4 Top Spot Target (with Bracket)	20867
SW 71	Left Side Rollover	18892
SW 72	Right Side Rollover	18892
SW 73	Top Rollunder	21137
SW 73(A)	Star Rollover	19428
SW 74	Bottom Right Rollover Target	18095
SW 75	Right Flipper	22398
SW 76	Spinner (with Bracket)	19354



## PLAYBOARD PARTS INFORMATION

### RUBBER RINGS

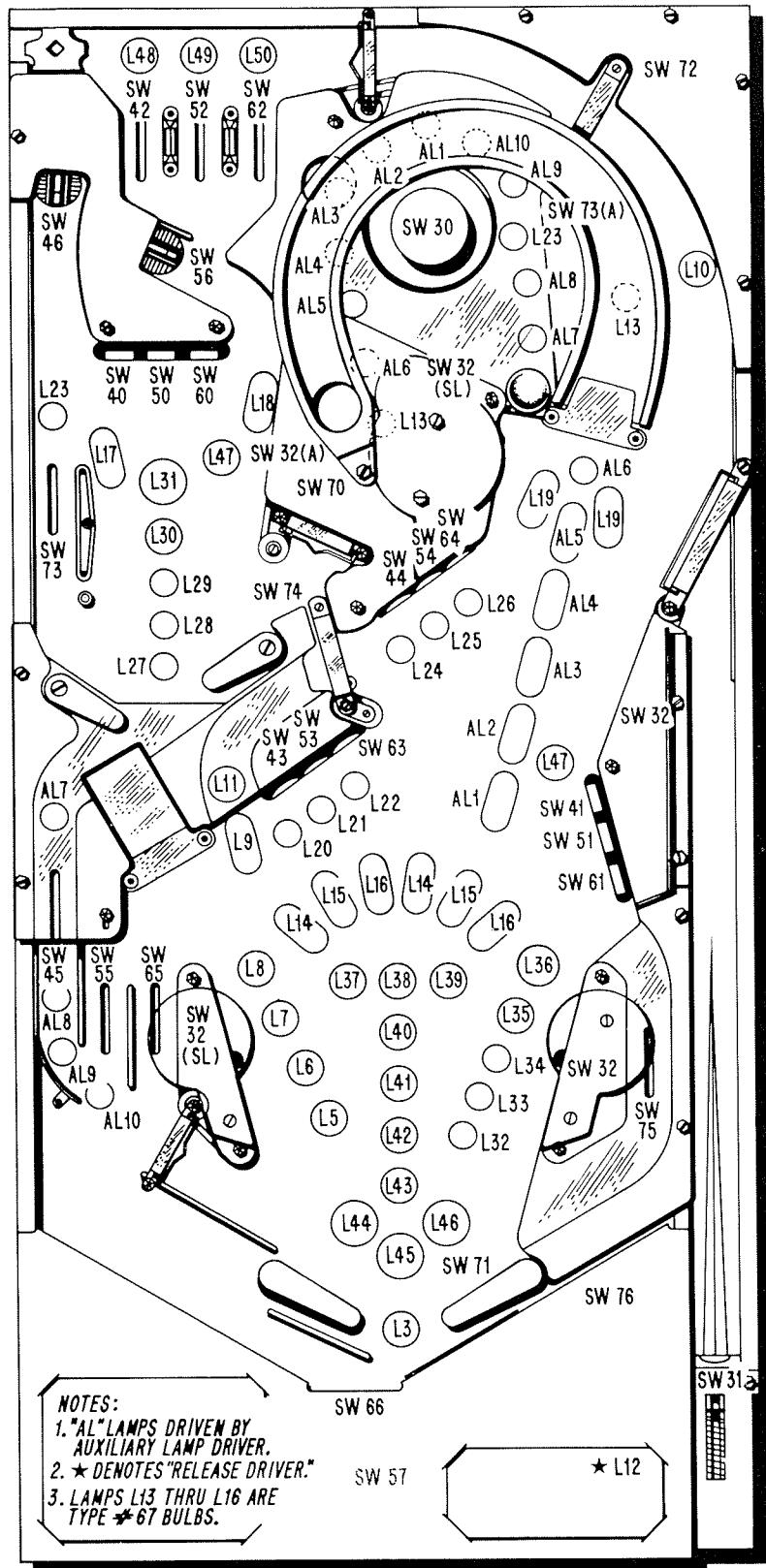
ITEM	DESCRIPTION	PART NO.
A	5/16" (11)	10217
B	Mini-Post (9)	15705
C	2-1/2" (3)	10222
D	1-1/2" (2)	10220
E	7/16" (2)	17493
F	1" (3)	10219
G	2"	10221
H	Flipper Red (2)	13151
J	3/4"	10218

### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1	Flat Rail	24882
2	Plastic Shield Set	24895
3	Stargate Ramp Assembly (See Exploded View Illustration)	19331
4	Ball Guide Rail (2)	13782
5	Ball Guide Rail	17650
6	Ball Guide Rail (2)	18070
7	Ball Guide Rail (5)	19645
8	Arch Rebound Assembly (2)	15646S
9	Rollover Guide (Green) (3)	9393S
10	Guide Rail (Green)	17300
11	Metal Shield (3)	17299
12	Gate Wireform	22112
13	Gate Wireform (2)	4705
14	Metal Shield	21958
15	Gate Wireform	MA-729
16	Three Position Target Bank (Left)(2)	MA-822
17	Target Decal (4)	24903
18	Rollover Target (4)	20892P
19	Spot Target (Red) (4)	24795
20	Spot Target (Yellow) (6)	24795
21	Helicopter (See Exploded View Illustration)	1673
26	Metal Shield	1674
27	Gate Wireform	11966U
28	Star Rollover Insert (Red)	11968Z
29	Rollover Button (White)	MP9
30	Ramp Spacer	24884
31	Molded Ramp	14043
32	Target Shield	24494
33	Spinning Target Assembly	20406
34	Spinning Target Rod	20407
35	Nylon Washer (2)	4833
36	Ball Guide Rail	6612
37	Ball Guide Rail	18563
38	Ball Guide Rail	4832
39	Ball Guide Rail (2)	24892
40	Pop Bumper Trim Platter	8246
41	Pop Bumper Trim Platter	24891
42	Pop Bumper Trim Platter	24890
43	Pop Bumper Trim Platter	10433T
44	Pop Bumper Skirt (Yellow) (4)	MA-243
45	Pop Bumper Body and Socket (Yel.) (4)	10434T
46	Pop Bumper Cap (Yellow) (4)	24902
47	Pop Bumper Decal (4)	LA5
48	#67 Lamp (2)	24881
49	#67 Lamp Socket (2)	3722
50	Ball Guide Rail (2)	23833
51	Ball Guide Rail (2)	MA-91
52	Left Flipper Unit	MA-321
53	Right Flipper Unit	13647-702
54	Card Holder	9767-702
55	Ball Shooter Gauge	21622
56	Ball Return Unit Assembly	24893
57	Mylar Overlay	13798
58	Ball Snubber Rail (2)	MA-23
	"Q" Relay Assembly	MA-25
	"T" Relay Assembly	MA-833
	"A" Motor Relay Assembly	20635P
	Plastic Support Post (5)	11561P
	1" Plastic Post (31)	17492
	Siamese Post (2)	14487Z
	Split Post Base (3)	14488Z
	Split Post Cap (3)	

# HOLLYWOOD HEAT

Premier  
Technology



## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NUMBER

### LAMP ASSIGNMENT

L3	Shoot Again
L5	1X
L6	2X
L7	4X
L8	8X
L9	Bottom Rollunder "50,000"
L10	Top Rollunder "Special"
L11	Bottom Rollunder "Special"
L13-L16	(LAMPS DRIVEN BY Q1-Q4)
L17	Left Hole "Captive"
L18	Right Hole "Captive"
L19	Release (2 Lamps)
L20	#1 Spot Target
L21	#2 Spot Target
L22	#3 Spot Target
L23	#4 Spot Target
L24	Left Side Rollover
L25	#5 Spot Target
L26	#6 Spot Target
L27	#7 Spot Target
L28	Left Bank "10,000"
L29	Left Bank "15,000"
L30	Left Bank "30,000"
L31	Left Bank "50,000"
L32	Left Bank "Extra Ball"
L33	Right Bank "10,000"
L34	Right Bank "1,000"
L35	Right Bank "30,000"
L36	Right Bank "50,000"
L37	Right Bank "Extra Ball"
L38	"P"
L39	"I"
L40	"N"
L41	"B"
L42	"A"
L43	"L"
L44	"L"
L45	#1
L46	#2
L47	#3
L48	"In Sync" Target (2 Lamps)
L49	#1 Top Rollover
L50	#2 Top Rollover
L51	#3 Top Rollover

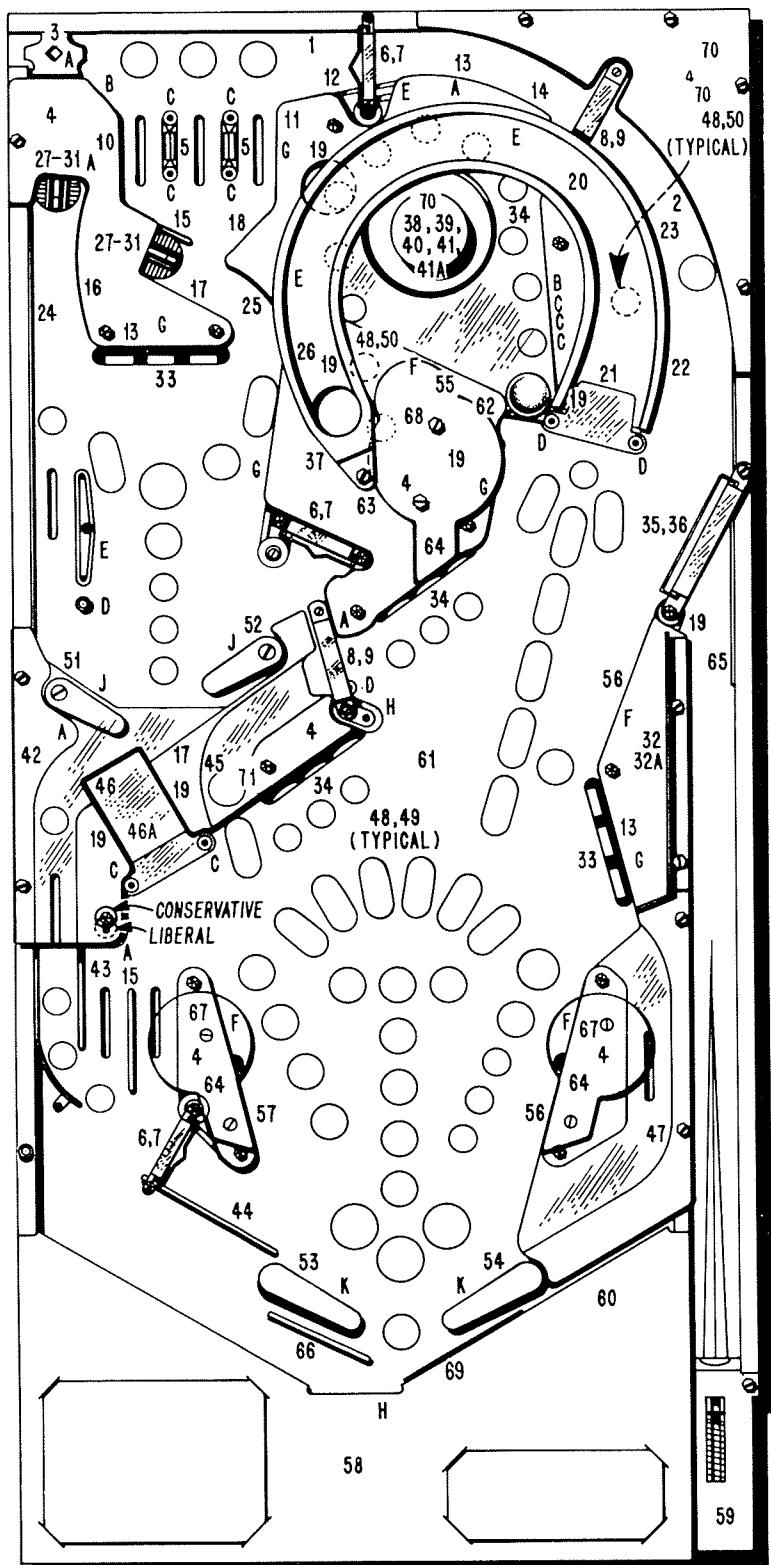
### SWITCH MATRIX NUMBER

### SWITCH ASSIGNMENT

### PART NO.

SW 30	Pop Bumper (With Bracket)	21356
SW 31	Shooter Rollover	19754
SW 32	Rubber Switch (4)	
SW 32(A)	Contact Kicker and Bracket (8)	22224
SW 40	Contact Kicker (2)	18808
SW 41	Contact Kicker (2), (Side Lugs)	18086
SW 42	Rubber Switch (With Bracket)	22227
SW 43	#1 Left Drop Target	19209
SW 44	#1 Right Drop Target	19209
SW 45	#1 Top Rollover	18892
SW 46	#1 Spot Target (With Bracket)	20867
SW 47	#5 Spot Target (With Bracket)	20867
SW 48	Left Outside Rollover	19999
SW 49	Left Hole	18085
SW 50	#2 Left Drop Target	19211
SW 51	#2 Right Drop Target	19211
SW 52	#2 Top Rollover	18892
SW 53	#2 Spot Target (With Bracket)	20867
SW 54	#6 Spot Target (With Bracket)	20867
SW 55	Left Center Rollover	18892
SW 56	Right Hole	18085
SW 57	Tilt (With Bracket)	9141
SW 58	#3 Left Drop Target	19292
SW 59	#3 Right Drop Target	19292
SW 60	#3 Top Rollover	18892
SW 61	#3 Spot Target (With Bracket)	20867
SW 62	#7 Spot Target (With Bracket)	20867
SW 63	Right Center Rollover	18892
SW 64	Outhole (Assembly)	18688
SW 65	Ramp Exit Rollover	20325
SW 66	Right Flipper	22398
SW 67	Top Rollunder	21137
SW 68	Left Side Rollover	18892
SW 69	#4 Spot Target (With Bracket)	20867
SW 70	Bottom Rollunder	21137
SW 71	Right Outside Rollover	18892
SW 72	Trough	18892
SW 73		
SW 73(A)		
SW 74		
SW 75		
SW 76		

## HOLLYWOOD HEAT



## PLAYBOARD PARTS INFORMATION

### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	5/16" (5)	10217
B	3/4" (2)	10218
C	Mini-Post (9)	15705
D	Mini-Post (4) (Small)	14793
E	1" (4)	10219
F	2-1/2" (4)	10222
G	1-1/2" (5)	10220
H	7/16" (1)	17493
J	Flipper-Red (2)	13149
K	Flipper-Red (2)	13151

### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1	Flat Rail	24956
2	Flat Rail	24957
3	Arch Gate	19645
4	Plastic Shield Set	24975
5	Rollover Guide (White) (2)	15646Z
6	Metal Shield (3)	17300
7	Gate Wireform (3)	21696
8	Metal Shield (2)	4869
9	Gate Wireform (2)	22118
10	Guide Rail (White)	9393Z
11	Guide Rail (White)	9395Z
12	Ball Guide Rail	13782
13	Ball Guide Rail (3)	6612
14	Ball Guide Rail	17650
15	Ball Guide Rail (2)	17106
16	Ball Guide Rail	24951
17	Ball Guide Rail (2)	4832
18	Ball Guide Rail	6931
19	Ball Guide Rail (7)	18070
20	Molded Ramp	24974
21	Ramp Flap	24988
22	Ball Guide Rail	3722
23	Ball Guide Rail	21720
24	Flat Rail	24950
25	Flat Rail	24949
26	Ball Guide Rail	4831
27	Ball Snubber (2)	16038
28	Hole Base Plate (White) (2)	15707Z
29	Hole Liner (2)	11151
30	Hole Kicker Assembly (2)	MA-853
31	Hole Switch Arm (White) (2)	15708Z
32	Flat Guard Rail	25020
32A	Flat Guard Rail Decal	25022
33	Plastic Target (White) (6) With Decal	25007
34	Spot Target (White) (7)	25005
35	Metal Shield	1673
36	Gate Wireform	1674
37	Flat Rail	24947
38	Pop Bumper Cap (White)	10434Z
39	Pop Bumper Skirt (White)	10433Z
40	Pop Bumper Body And Socket (White)	MA-27
41	Pop Bumper Trim Platter	8246
41A	Pop Bumper Decal	25006
42	Flat Rail	24952
43	Ball Guide Rail	5977
44	Ball Guide Rail	4833
45	Flat Rail	24948
46	Ramp	24967
46A	Ramp Decal	25019
47	Flat Rail	24570
48	#67 Lamp (8)	LA5
49	#67 Lamp Socket (6)	24965
50	#67 Lamp Socket (2)	24881
51	Left Flipper Unit (Top)	MA-228
52	Right Flipper Unit (Top)	MA-228A
53	Left Flipper Unit (Bottom)	MA-656
54	Right Flipper Unit (Bottom)	MA-657
55	Kicker Assembly	MA-176A
56	Kicker Assembly (2)	MA-135
57	Kicker Assembly	MA-135A
58	Cardholder	13647-703
59	Ball Shooter Gauge	9767-703
60	Ball Return Unit Assembly	21622
61	Mylar Overlay	24971
62	1-1/16" Steel Ball (4)	21864
63	Spacer	24706
64	Plastic Shield Set (Auxiliary)	25000
65	Flat Rail	25021
66	Ball Snubber Rail	13798
67	Spacer, 1/4" (4)	MP16
68	Spacer, 1-1/4" (2)	MP17
69	Velcro Strip	MP18
70	Light Shield (Red) (3)	24875
71	Flat Rail	25036
	Siamese Post (3)	17492
	1" Plastic Post (37)	11561P
	Plastic Support Post (12)	20635P

# GENESIS

Premier  
Technology®

## PLAYBOARD SWITCH AND LAMP ASSIGNMENTS

### LAMP NUMBER

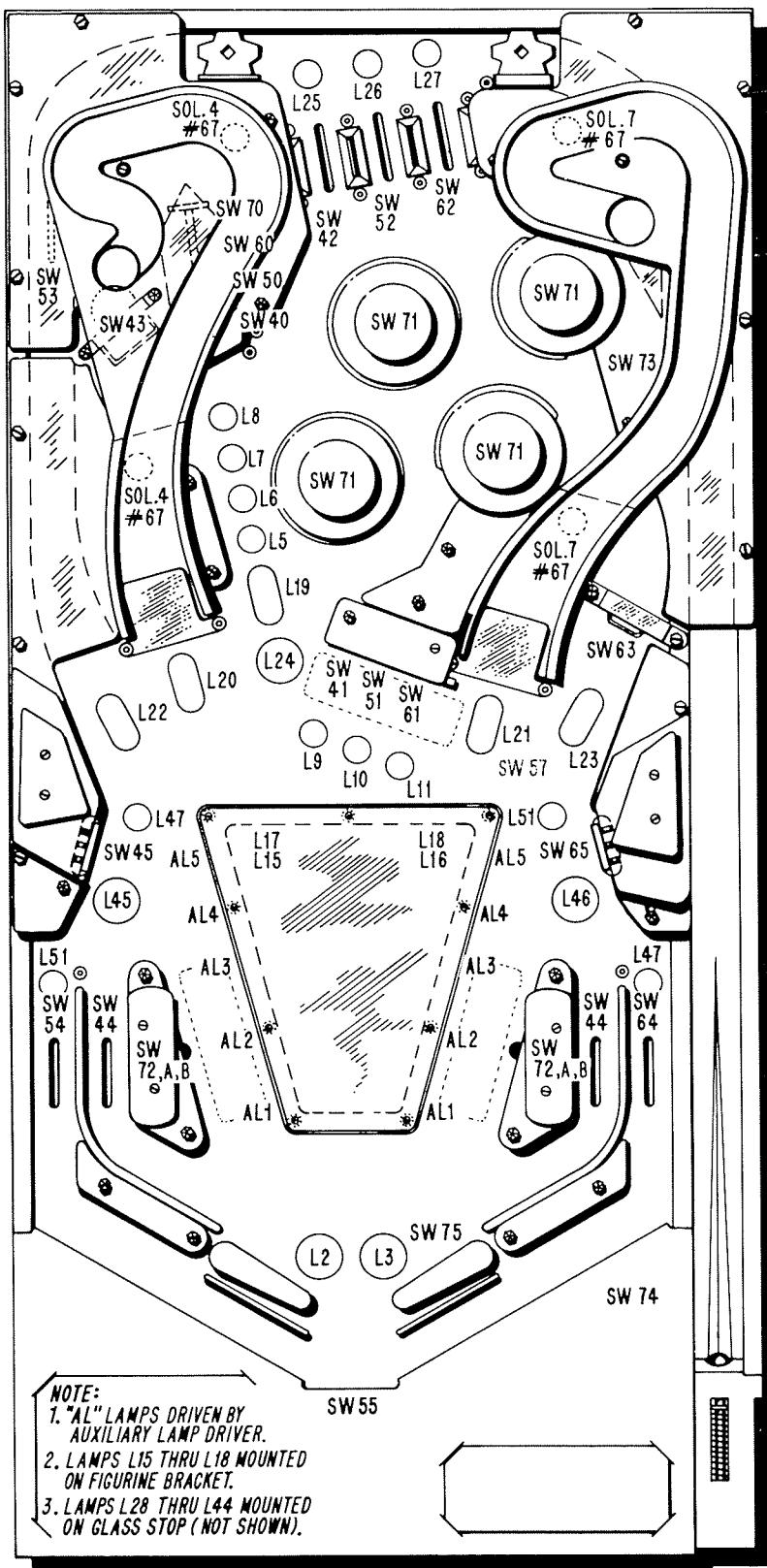
### LAMP ASSIGNMENT

L2	Extra Ball
L3	Shoot Again
L5	#1 Vari-Target
L6	#2 Vari-Target
L7	#3 Vari-Target
L8	#4 Vari-Target
L9	#1 Drop Target
L10	#2 Drop Target
L11	#3 Drop Target
L15	"ARMS" Completed
L16	"LEGS" Completed
L17	"BRAIN" Completed
L18	"BODY" Completed
L19	"Spot Letter" (Vari-Target)
L20	"Arms Letter"
L21	"Legs Letter"
L22	"Brain Letter" (Left)
L23	"Brain Letter" (Right)
L24	"Life Force"
L25	#1 Top Rollover
L26	#2 Top Rollover
L27	#3 Top Rollover
L28	"A"
L29	"R"
L30	"M"
L31	"S"
L32	"B"
L33	"R"
L34	"A"
L35	"I"
L36	"N"
L37	"B"
L38	"O"
L39	"D"
L40	"Y"
L41	"L"
L42	"E"
L43	"G"
L44	"S"
L45	Left Kicking Target "Special"
L46	Right Kicking Target "Special"
L47	Left Kicking Target "10,000"
L47	Right Outside Rollover "50,000"
L51	Right Kicking Target "10,000"
L51	Left Outside Rollover "50,000"

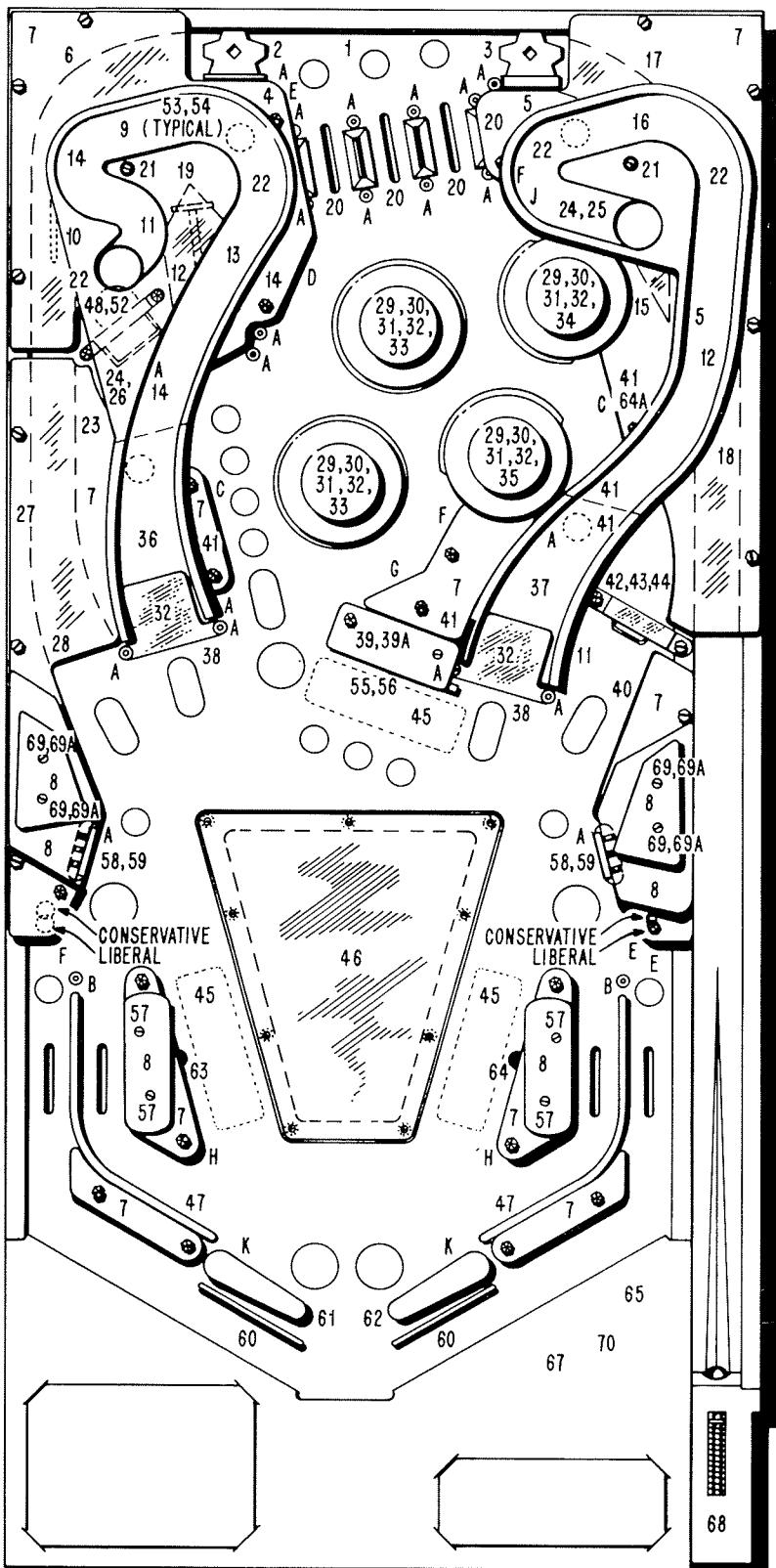
### SWITCH MATRIX NUMBER

### SWITCH ASSIGNMENT

PART NO.	
P/O MA-237	Vari-Target #1
18094	#1 Drop Target
18892	#1 Top Rollover
18085	Top Left Hole
18892	L. and R. Ret. Rollover (2)
18808	Left Kicking Target
20227	Actuating Switch
P/O MA-237	Vari-Target #2
18095	#2 Drop Target
18892	#2 Top Rollover
18892	Left Side Rollover
18892	Left Outside Rollover
18688	Outhole (Assembly)
9141	Tilt (with Bracket)
P/O MA-237	Vari-Target #3
18093	#3 Drop Target
18892	#3 Top Rollover
21137	Right Side Rollunder
18892	Right Outside Rollover
18808	Right Kicking Target
20227	Actuating Switch
P/O MA-237	Vari-Target #4
21353	Pop Bumper (with Bracket) (4)
18808	Kicking Rubber
22225	Scoring Switch (2)
22225	Actuating Switch and Bracket (2)
22225	Actuating Switch and Bracket (2)
18892	Top Right Kicker
18892	2nd Position Trough
22398	Right Flipper
(Scoring and Actuating)	
16363	Left Flipper (Actuating)



# GENESIS



## PLAYBOARD PARTS INFORMATION

### RUBBER RINGS

ITEM	DESCRIPTION	PART NO.
A	Mini-Post (21)	15705
B	Mini-Post, Small (2)	14793
C	1-1/2" (2)	10220
D	1"	10219
E	5/16" (3)	10217
F	3/4" (3)	10218
G	2"	10221
H	2-1/2" (2)	10222
J	7/16"	17493
K	Flipper, Red (2)	13151

### PARTS LIST

ITEM	DESCRIPTION	PART NO.
1	Flat Rail	24956
2	Arch Rebound Assembly	19645
3	Arch Rebound Assembly	19846
4	Ball Guide Rail	6931
5	Ball Guide Rail (2)	6612
6	Flat Rail	25065
7	Plastic Shield Set	25081
8	Plastic Shield Set (Auxiliary) (Glass Stop Shield Not Shown)	25082
9	Ball Guide Rail	13782
10	Ball Guide Rail	13833
11	Ball Guide Rail (2)	4832
12	Ball Guide Rail	5977
13	Ball Guide Rail	18563
14	Ball Guide Rail (3)	18070
15	Ball Guide Rail	3722
16	Flat Rail	25069
17	Ball Guide Rail	20786
18	Flat Rail	25066
19	Vari-Target Assembly	MA-237
20	Rollover Guide (White) (4)	15647Z
21	Ramp Spacer (2)	25089
22	Ramp Spacer (4)	MP-9
23	Flat Rail	25070
24	Metal Shield (2)	17300
25	Gate Wireform	21696
26	Gate Wireform	22112
27	Ball Guide Rail	4831
28	Ball Guide Rail	8514
29	Pop Bumper Cap (White) (4)	10434Z
30	Pop Bumper Skirt (White) (4)	10433Z
31	Pop Bumper Body and Socket (White) (4)	10432Z
32	Ramp Flap Decal	25103
33	Pop Bumper Trim Platter (2)	8246
34	Pop Bumper Trim Platter	25077
35	Pop Bumper Trim Platter	25076
36	Left Ramp	25064
37	Right Ramp	25063
38	Ramp Flap (2)	25056
39	Ball Snubber	25057
39A	Ball Snubber Decal	25104
40	Flat Rail	25067
41	Ball Guide Rail (5)	17650
42	Rollunder Shield	4869
43	Rollunder Spring	14236
44	Rollunder Gate Wireform	22118
45	Mylar Overlay (3)	25080
46	Window and Figurine Assembly (See Exploded View Illustration)	
47	Ball Guide Rail (2)	23833
48	Ball Snubber	16038
49	Hole Base Plate (Red)	15707U
50	Hole Liner	11151
51	Hole Kicker Assembly	MA-66
52	Hole Switch Arm (Red)	15708U
53	#67 Lamp (4)	LA5
54	#67 Lamp Socket (4)	24881
55	Target Bank Assembly	MA-183
56	Plastic Target (White) (3)	11905Z
57	Spacer, 1/4" (4)	MP-16
58	Kicking Target Assembly (2) (See Exploded View Illustration)	MA-205
59	Kicking Target Decal (2)	25105
60	Ball Snubber Rail (2)	13798
61	Left Flipper Assembly	MA-91
62	Right Flipper Assembly	MA-321A
63	Left Kicker Assembly	MA-135A
64	Lower Right Kicker Assembly	MA-135
64A	Top Right Kicker Assembly	MA-176
65	Ball Return Unit Assembly	21822
66	Cardholder	13647-705
67	1-1/16" Steel Ball (2)	21864
68	Ball Shooter Gauge	9767-705
69	Split Post Spacer (4)	14488
69A	Split Post Spacer (4)	14487
70	Ball Return Gate	20607
	1" Plastic Post (30)	11561P
	Plastic Support Post (7)	20635P
	1-3/16" Plastic Post (2)	11562P
	Siamese Post	17492
	"Q" Relay Assembly	MA-23
	"T" Relay Assembly	MA-25
	"A" Relay Assembly	MA-863
	"B" Relay Assembly	MA-864

## SECTION IV CABINET/LIGHTBOX PARTS

**Premier**  
Technology®

### TABLE OF CONTENTS

	PAGE(S)
TYPICAL "GENERIC" CABINET PARTS . . . . .	126,127
LIGHTBOX PARTS . . . . .	128

**NOTES**

## CABINET PARTS

**Premier**  
Technology

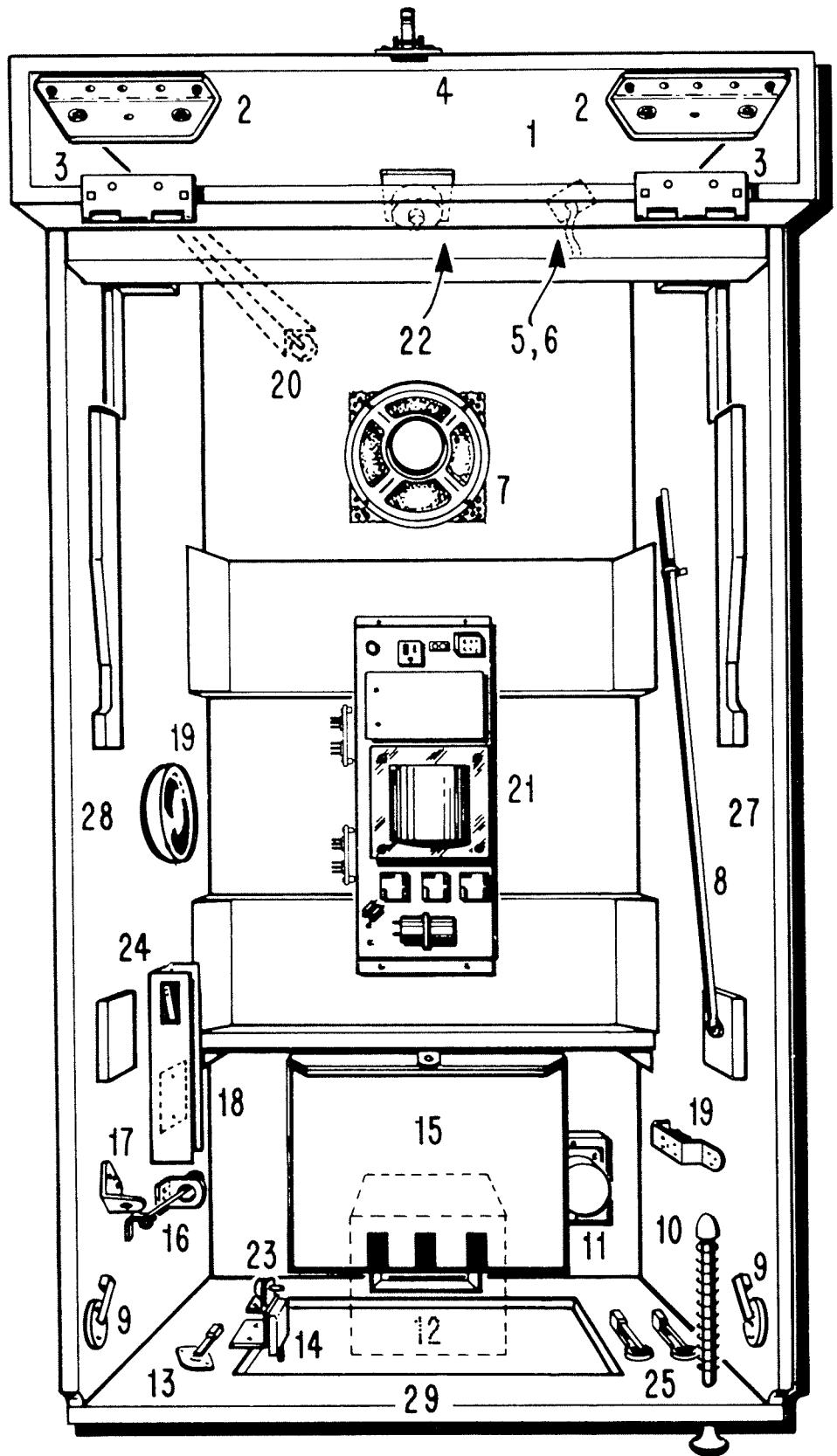
ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
1.	Cabinet	Specify Game	18.	Diode Assembly	24252
2.	Lightbox Mounting Bracket (2)	19916	Diode, 1N270 (8)	XO-265	
3.	Butt Hinge, (Shown For Reference Only, P/O Lightbox Assy.) (2)	22734	Knocker Assembly	MA-12	
4.	"U" Bolt (P/O Lightbox)	24659	Bell Assembly (Gong)	MA-352	
	Latch Assembly (P/O Cabinet)	21969	20. Cabinet Leg (4)	4337	
5.	Cable Assembly, Domestic (High Voltage)	Specify Game	(Black) (4)	4337Y	
6.	Line Cord (Domestic)	Specify Game	Leg Bolt (8)	3775	
	Line Cord Cover Plate	21955	3" Leg Adjuster (4)	MH-21	
7.	Speaker, 4 Ohm, 3W, 8"	EL-83	21. Transformer Panel Assembly	Specify Game	
	Speaker Guard	20931	Bridge Rectifier (3)	EL-42	
8.	Prop Stick, Playfield	23940	Cable Assembly (Secondary)	MA-812	
9.	Flipper Switch Assembly (2)	17838	Capacitor, 10,000UF, 25V	XO-830	
10.	Ball Shooter Assembly	8835	Filter, Line	EL-50	
11.	Switch, On/Off	23799	Fuse Block (6 Pos.)	EL-12	
	Switch Plate (2)	18769	Fuse Cover	23805	
	Switch Housing	15163	Fuse Holder (F7 and F8) (2)	EL-78	
12.	Front Door Assembly (Universal)	MA-688	Fuses	Specify Game	
	Cable Assembly	MA-676	F1	Specify Game	
	Slam Switch	24567	F2	Specify Game	
	6V DC Lamp, Wedge Base	FD-2	F3	Specify Game	
	Frame, Door	FD-13	F4	Specify Game	
	Three Chute Door	24160	F5	Specify Game	
	Black Button Bezel	FD-14	F6	Specify Game	
	Entry/Reject Button	FD-15	F7, 1/2 Amp, SLO-BLO	EL-20	
	Button Spring	FD-16	F8, 5 Amp, SLO-BLO (110V AC)	EL-8	
	Reject Flap	FD-17	F8, 2.5 Amp, SLO-BLO (220V AC)	EL-21	
	Clamp, Frame	FD-18	Ground Bus Assembly (2)	24542	
	Flat Lock and Cam Assembly	FD-19	Outlet, Service	18133	
	Base Plate with Pivot and Stud	FD-20	Resistor, 0.33 Ohm, 10%	XO-154	
	Microswitch Bracket	FD-21	5W, Wire-Wound (2)		
	Clear Plastic Cover for Microswitch	FD-22	Transformer	24634	
	Coin Microswitch with Wire	FD-23	22. Fuse Holder	EL-78	
	Lampholder	FD-24	F20, 8 Amp, SLO-BLO (110V AC)	EL-26	
	Black Reject Bezel	FD-26	F20, 4 Amp, SLO-BLO (220V AC)	EL-33	
13.	Reply Switch Assembly	18092	23. Mounting Bracket	24149	
14.	Interlock Switch Assembly (When Used)	24148	Control, Volume, 100 Ohm, 2W	XO-199	
	Switch	EL-66	Switch, PLAY/TEST	EL-57	
	Switch Cover	21888	24. Ball Roll Tilt	24394	
15.	Cashbox	24867	Housing and Switch Assembly	24393	
	Cover	24868	Switch	24293Y	
	Liner (Small) (3)	24870	25. Button Holder and Switch (2)	Specify Game	
	Liner (Large) (2)	24871	Pushbutton (2) (Black)		
15.	Cashbox	24152	26. Lightbox (Not Shown)		
	Cover	24153	27. Right Mounting	22735	
	Dividers	24146	(Black)	22735Y	
	Locator	24151	28. Left Moulding	22736	
	Lockeye Assembly	23878	(Black)	22736Y	
16.	Plumb Bob Tilt Switch Assembly	358	29. Front Moulding	16951	
	Strike Plate	MH-30	(Black)	16951Y	
	Carbon, Tilt Bob				
	Rod, Tilt	357			
	Bracket	22043			
17.	Locator Bracket	18578			

### NOTE

**THE CABINET ILLUSTRATION AND ACCOMPANYING PARTS LISTING ARE INDICATIVE OF A TYPICAL "GENERIC" CABINET ASSEMBLY.**

**QUANTITIES AND PLACEMENT OF PARTS WILL VARY FROM GAME TO GAME. WHEN ORDERING PARTS, SPECIFY GAME NAME AND NUMBER.**

**CABINET PARTS**



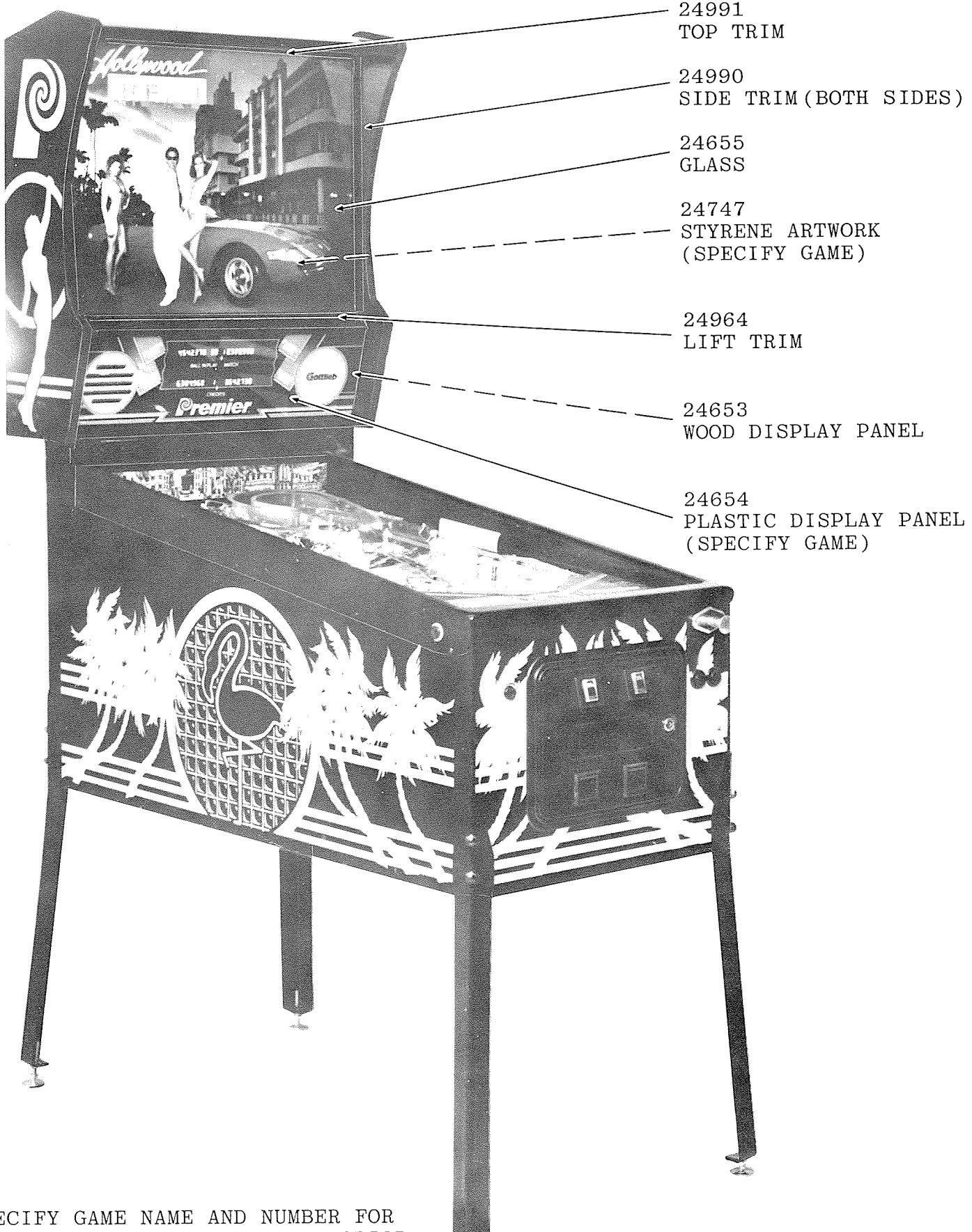
## **SECTION V MODIFICATION KITS AND ADDENDUMS**

**Premier**  
Technology

### **TABLE OF CONTENTS**

	<b>PAGE(S)</b>
RESET BOARD INTERCONNECT CABLE .....	130
ICE FEVER MODIFICATION KIT .....	131-133
ALPHANUMERIC DISPLAY DIFFERENCES .....	134,135
CHICAGO CUBS "TRIPLE PLAY" KIT .....	136,137

## LIGHTBOX PARTS



SPECIFY GAME NAME AND NUMBER FOR  
PARTS REQUIRED FOR LIGHTBOX PRIOR  
TO GAME #697 "ROCK".

# ICE FEVER MODIFICATION KIT

Premier  
Technology

## SUPPLEMENTAL ADDENDUM

ATTACH TO AND A PART OF ICE FEVER (GAME #695)  
INSTRUCTION MANUAL

INCORPORATING  
FIELD CONVERSION KIT MA736  
ENHANCED "PUCK" KICKER

1. THE FOLLOWING PARTS LISTING IDENTIFIES DELETED/ADDED PARTS FOR THIS CONVERSION. SEE PAGE 40 OF YOUR INSTRUCTION MANUAL FOR COMPONENT LOCATIONS.

FIGURES 1 AND 2 OF THIS SUPPLEMENT ILLUSTRATE THE BEFORE/AFTER MODIFICATION, ACCCOMPANIED WITH A STEP BY STEP HOW-TO-DO-IT SEQUENCE.

### DELETE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
1.	P/O PLASTIC SHIELD SET	24370
2.	SUPPORT POST (3)	MP40
3.	6-20 x 3/4 SCREW (3)	FA620
4.	TUBING (1)	471-24
5.	#5, 1-1/4 RHWS SCREW (1)	FA202
6.	NYLON BALL "PUCK"	24407

### ADD

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
1.	BALL GUIDE RAIL	24468
2.	NYLON DISC "PUCK"	24470
3.	SUPPLEMENTAL ADDENDUM	24490

2. SWITCH GAME POWER OFF. REMOVE THE BACKGLASS FROM THE LIGHTBOX. UNSCREW THE (3) #5, 1-1/4 RHWS SCREWS WHICH MOUNT THE CENTER BALL GUIDE TOP (24406) AND THE (3) TUBING 471-24, SEE FIGURE 1. SAVE THE CENTER BALL GUIDE FOR LATER REUSE, REMOVE AND DISCARD P/O PLASTIC SHIELD SET AND THE NYLON BALL "PUCK."
3. LIFT THE INSERT AND SWING IT OUT. UNPLUG ALL CABLES TO THE CONTROL BOARD (A1) AND REMOVE SAME. FROM THE BACK OF THE INSERT REMOVE THE (3) 6-20 x 3/4 (FA260) SCREWS WHICH ATTACH TO THE (3) SUPPORT POSTS (MP40), DISCARD THESE SCREWS AND POSTS.

(OVER)

## RESET BOARD INTERCONNECT CABLE

### ADDENDUM

ATTACHED TO AND PART OF ICE FEVER (GAME # 695)  
AND ALL SUBSEQUENT GAMES  
INSTRUCTION MANUALS

1. To prevent intermittent bookkeeping RAM (Z5) failures, a 3K, 5%,  $\frac{1}{4}$ W resistor (XO-23) has been added to the circuit in order to increase the drive capability of the R/W output of the Microprocessor (U1-34).
2. This resistor is part of the Reset Board Interconnect Cable Assembly MA-796, and is positioned on A24P2, between Pins 7 and 11. See Figure 1.
3. Diode CR1 (XO-265) has been added between Pins 17 and 24 to isolate the reset output on the Control Board (A1) from the reset output on the Reset Board (A24). Prior wire connection at Pin 17 was transferred to Pin 24.

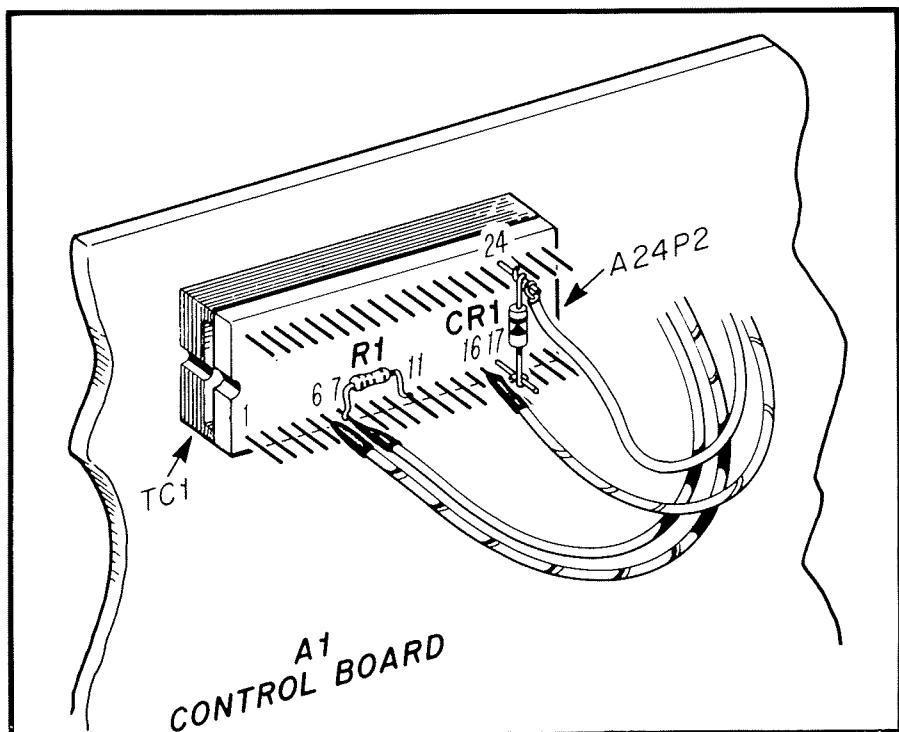


Figure 1.

## ICE FEVER MODIFICATION KIT

Premier  
Technology

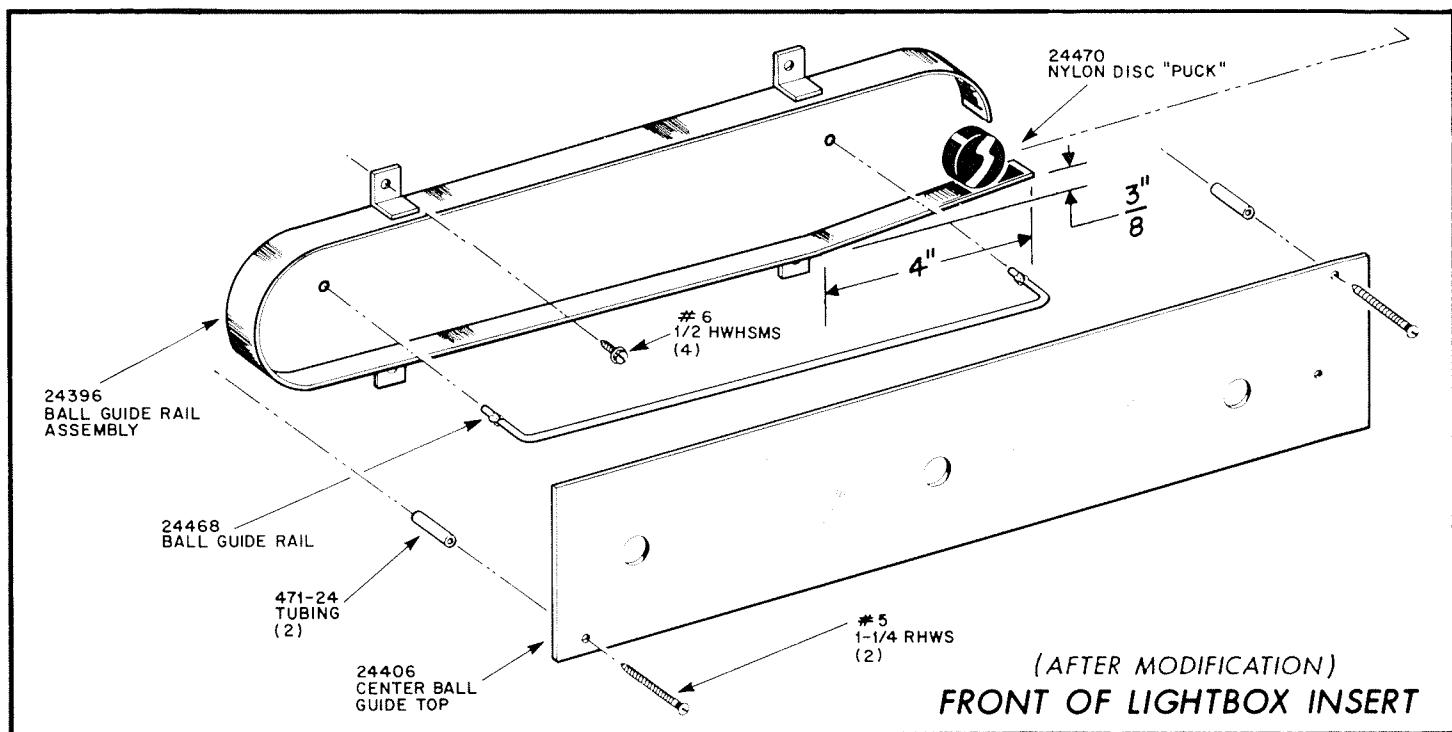


FIGURE 2.

6. REATTACH THE CENTER BALL GUIDE TOP (24406) TO THE INSERT USING ONLY (2) #5, 1-1/4" RHWS SCREWS AND ASSOCIATED (2) TUBING (471-24) AT DIAGONAL CORNERS, SEE FIGURE 2.
7. REPLACE THE CONTROL BOARD (A1) AND REATTACH THE CONNECTING CABLES. SWING THE INSERT INTO PLACE AND REPLACE THE BACKGLASS. THE ENHANCED "PUCK" KICKER MODIFICATION IS COMPLETE.

## ICE FEVER MODIFICATION KIT

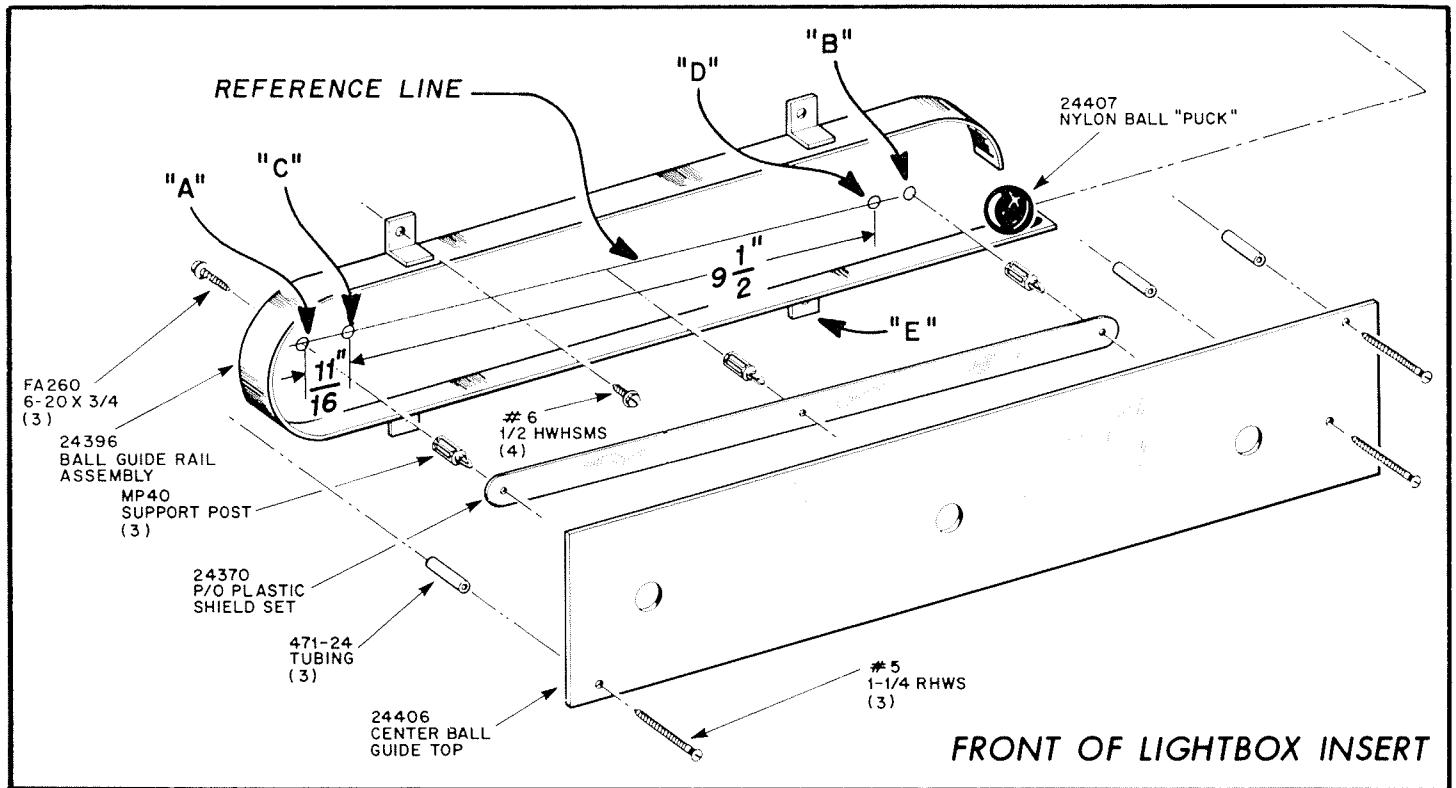


FIGURE 1.

4. FROM THE FRONT OF THE INSERT, LOCATE THE HOLES THAT ATTACHED SUPPORT POSTS "A" AND "B", SEE FIGURE 1. USING A PENCIL AND STRAIGHT EDGE, SCRIBE A LINE (LIGHTLY) FROM THE CENTER OF HOLE "A" TO CENTER OF HOLE "B". USING THIS LINE AS A REFERENCE, MARK OFF A POINT "C"  $11/16"$  TO THE RIGHT OF HOLE "A" AND MEASURE  $9\frac{1}{2}"$  FROM THIS POINT TO THE RIGHT TOWARDS HOLE "B"; LABELED "D", MARK THIS POINT. CENTER PUNCH THESE TWO POINTS AND USING A #42 DRILL (.0935), DRILL COMPLETELY THROUGH THE INSERT, ERASE THE REFERENCE LINE. REMOVE THE #6, 1/2 HWHSMS SCREW FROM LOCATION "E". DROP THIS PORTION OF THE BALL GUIDE RAIL ASSEMBLY  $1/4"$ , SCRIBE AND CENTER PUNCH, USING A #42 DRILL, DRILL A HOLE THROUGH THE INSERT. REATTACH THE #6 SCREW IN THIS NEW LOCATION.
5. FROM THE FRONT SIDE OF THE INSERT, AT HOLES "C" AND "D", PRESS THE NEW BALL GUIDE RAIL (24468) AS FAR INTO THE INSERT UNTIL THE GRIP EDGES OF THE RAIL ARE NOT VISIBLE, THE RAIL WILL BE ABOUT  $9/16"$  FROM THE FACE OF THE INSERT, SEE FIGURE 2.

BEFORE INSERTING THE NEW NYLON DISC "PUCK," MEASURE OFF FROM THE RIGHT EDGE OF THE LOWER PART OF THE BALL GUIDE RAIL ASSEMBLY (24396), A DISTANCE OF 4", SEE FIGURE 2. SLOWLY BEND THIS SECTION UPWARDLY UNTIL THE RIGHT EDGE IS  $3/8"$  HIGHER THAN BEFORE. INSERT THE NEW DISC "PUCK," THE "CENTER" OF THE "PUCK" SHOULD LINE UP CENTERED WITH KICKER ARM ASSEMBLY (24399) PROTRUDING THROUGH THE INSERT, AND NOT INTERFERING WITH THE CURVED DOWNWARD SECTION OF THE BALL GUIDE RAIL ASSEMBLY. MAINTAIN ABOUT  $3/16"$  CLEARANCE AT THIS POINT.

## ALPHANUMERIC DISPLAY DIFFERENCES

Premier  
Technology

5. THE DIFFERENT DISPLAYS, XO-840 AND XO-870, ARE ELECTRICALLY EQUIVALENT. HOWEVER, THE PINOUT NUMBERING SEQUENCES ARE DIFFERENT. FIGURE 2 ILLUSTRATES THE SCHEMATIC PORTION OF MA-644F UTILIZING THE XO-870 DISPLAYS.

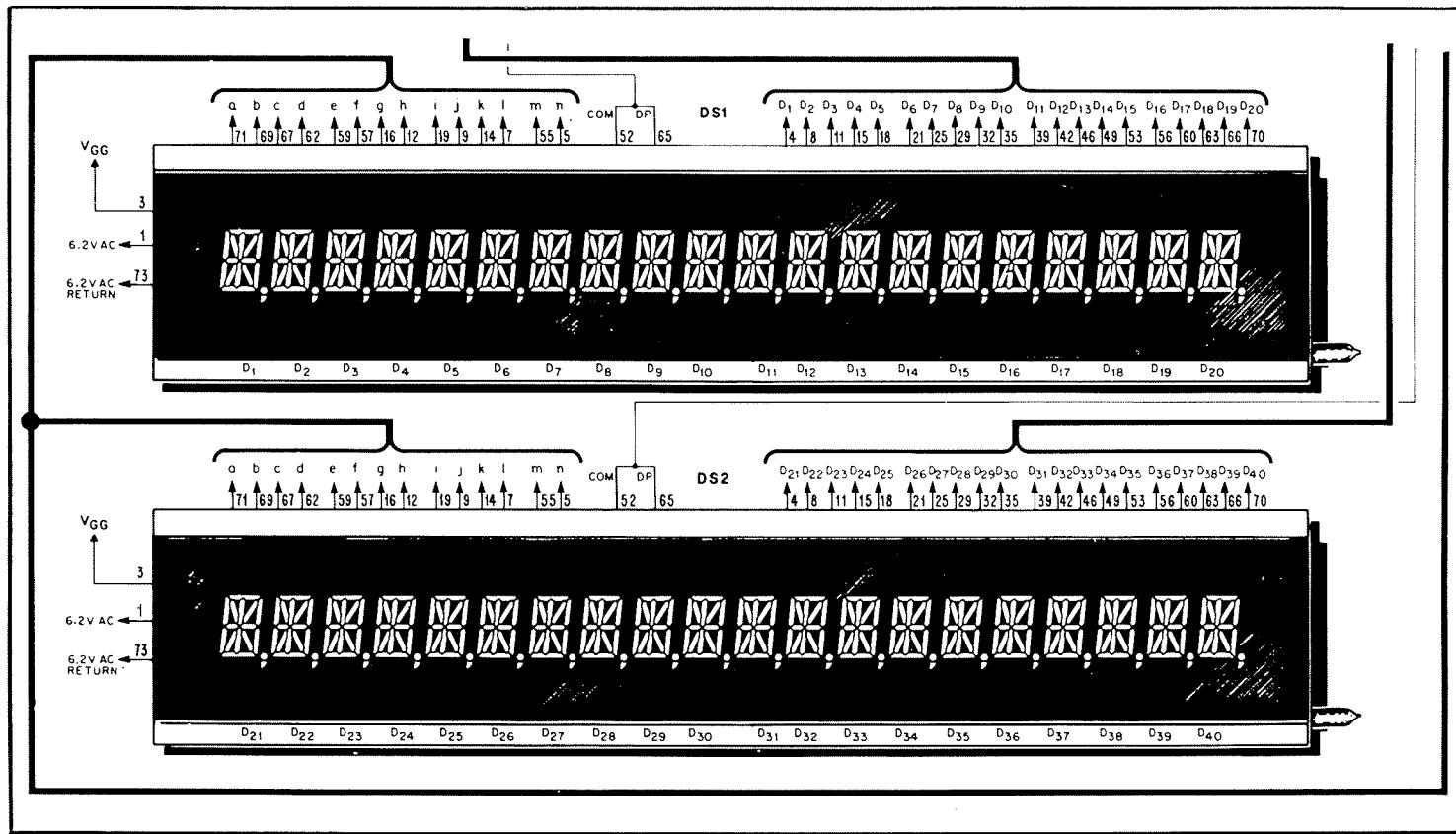


FIGURE 2.

## ALPHANUMERIC DISPLAY DIFFERENCES

### SUPPLEMENTAL ADDENDUM

ATTACHED TO AND A PART OF ALL  
SYSTEM 80B ALPHANUMERIC DISPLAY  
GAME INSTRUCTION MANUALS

#### DISPLAY BOARD(A4)

1. THE ALPHANUMERIC DISPLAY BOARD(A4) IN THIS GAME MAY BE DIFFERENT THAN THE ONE AS ILLUSTRATED ON PAGE(S) 34 AND 35-36.
2. THE DIFFERENT DISPLAY BOARD (A4), PART NO. MA-644F, CONTAINS DISPLAYS DS1 AND DS2, PART NOS. XO-870.
3. THE DISPLAY BOARDS AS AN ASSEMBLY ARE INTERCHANGEABLE; HOWEVER, THE DISPLAY(S) DS1 AND DS2 ARE NOT INTERCHANGEABLE FROM ONE ASSEMBLY TO ANOTHER.
4. TO QUICKLY DETERMINE WHICH DISPLAY BOARD (A4) IS USED IN THIS GAME, OBSERVE THE LOCATION OF THE VACUUM EXHAUST TIP.

FIGURE 1A. DISPLAY BOARD (A4), (MA-644), DISPLAY(S) XO-840  
FIGURE 1B. DISPLAY BOARD (A4), (MA-644F), DISPLAY(S) XO-870

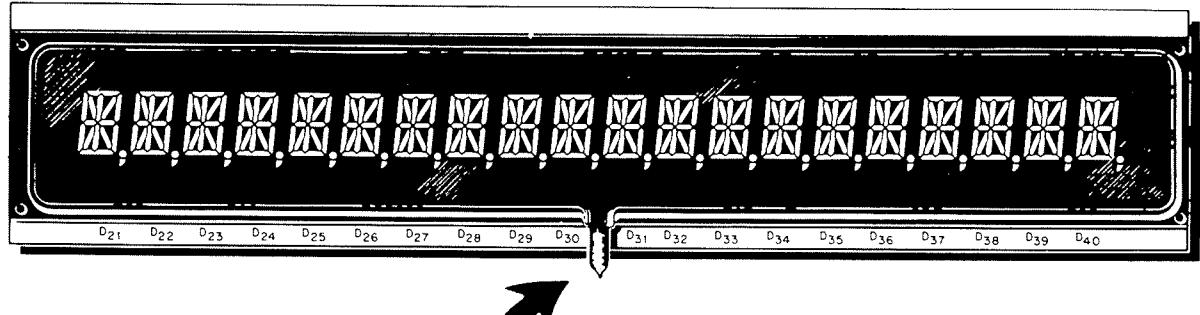


FIGURE 1A.

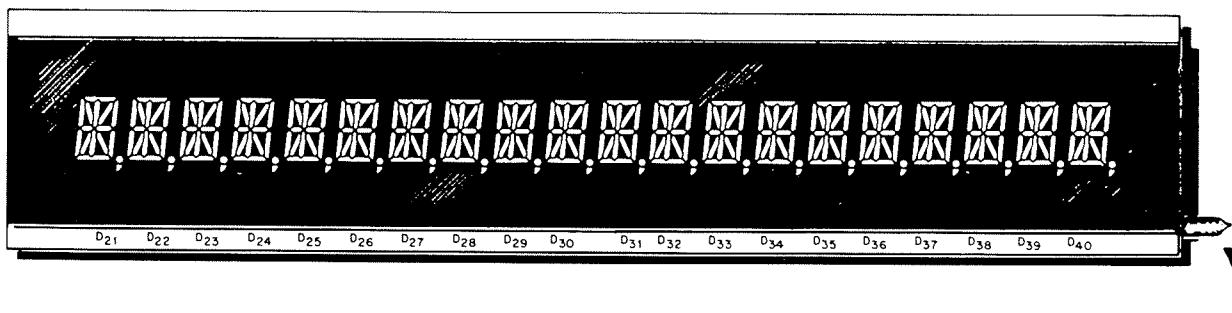


FIGURE 1B.

# CHICAGO CUBS "TRIPLE PLAY" KIT

Premier  
Technology

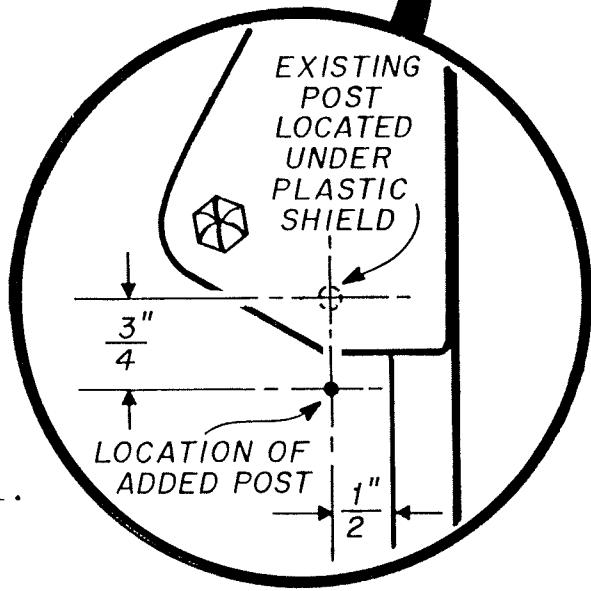
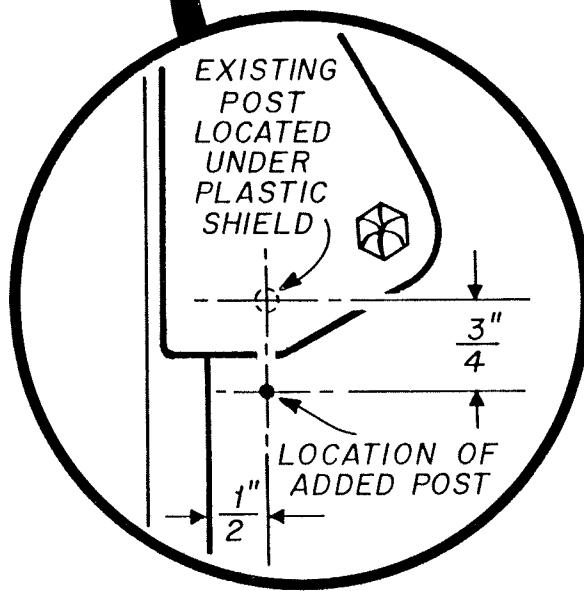
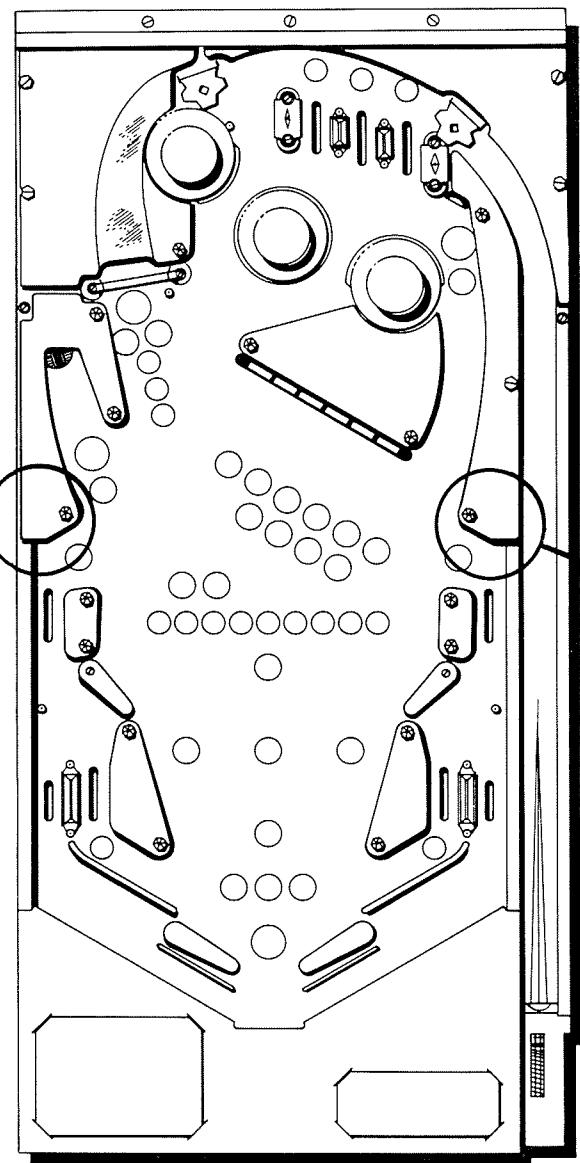


FIGURE 1.

## CHICAGO CUBS "TRIPLE PLAY" KIT

### SUPPLEMENTAL ADDENDUM

ATTACHED TO AND A PART OF  
CHICAGO CUBS "TRIPLE PLAY" (GAME #696)  
 INCORPORATING  
FIELD CONVERSION KIT MA768

- A. THE GAME PROM CHANGE AND SWITCH 8 USAGE ALLOWS A PLAYER TO COMPLETE MORE INNINGS, THUS ACCUMULATING MORE BONUS.
- B. THE ADDITION OF THE TWO POSTS ADDS MORE GAME PLAY TIME. (SEE FIGURE 1).

### CHANGED PAGES

1. SECTION IV. GAME PLAY AND SCORING, PAGES 4 AND 5.  
 THE "OUTS", "RUNNERS" AND "ADD A RUNNER" LAMPS ARE NOW MEMORIZED FROM BALL TO BALL.
2. SECTION VI. GAME ADJUSTMENTS, PAGE 6.  
 SWITCH 8 ..... PLAYFIELD SPECIAL CONTROL  
 ON ..... COMPLETING "TRIPLE PLAY" ALSO LIGHTS SPECIAL (LIBERAL)  
 OFF ..... NO EFFECT (CONSERVATIVE)
3. THE FOLLOWING PARTS LISTING IDENTIFIES ADDED/CHANGED PARTS FOR THIS CONVERSION KIT.

### ADD

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
1.	1" PLASTIC POST (2)	11561P
2.	RUBBER RING 3/8" (2)	10217
3.	SCREW, #6x1-1/2 RHSMS (2)	FA278
4.	WASHER, #6 (2)	FA615

### CHANGE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
1.	GAME PROM 696/1	XO489

4. REPLACE THE GAME PROM WITH THE NEW PROM 696/1.
5. REMOVE THE CABINET GLASS AND SET ASIDE. USING FIGURE 1 AS A GUIDE, MEASURE THE 3/4" LOCATION FROM THE POST AND 1/2" FROM THE WOOD RAILS AND CENTER PUNCH. USING A #42 DRILL (.093), DRILL A 1/4" DEEP PILOT HOLE ON THE LEFT AND RIGHT SIDES. DO NOT DRILL THRU THE PLAYBOARD. REMOVE THE WOOD CHIPS.

INSERT THE SCREWS AND WASHERS INTO THE PLASTIC POSTS AND TIGHTEN SECURELY AND PERPENDICULAR TO THE PLAYBOARD. ADD THE RUBBER RINGS AND REPLACE THE CABINET GLASS TO THE GAME.

## SECTION VI STAMPINGS/DECALS

Premier  
Technology®

### TABLE OF CONTENTS

	PAGE
DROP TARGET STAMPINGS/DECALS . . . . .	140
POP BUMPER CAP STAMPINGS/DECALS . . . . .	141
POP BUMPER BODY STAMPINGS . . . . .	142
SPOT TARGET STAMPINGS . . . . .	142
KICKING TARGET DECALS . . . . .	143
MISCELLANEOUS DECALS . . . . .	143

#### **NOTE**

**WHERE APPLICABLE, POP BUMPER CAPS AND  
DROP TARGETS ARE NOT SUPPLIED WITH DECALS  
AND MUST BE ORDERED SEPARATELY BY  
INDIVIDUAL PART NUMBERS.**

**NOTES**

## **POP BUMPER CAP STAMPINGS/DECALS**

**Premier**  
Technology

STAMPING/DECAL	PART NO.
NO STAMPING (BLANK)	10434
FOUR STARS	14396
"CHAMPS"	14671
RACKED POOL BALLS	14698
CONCENTRIC STARS (4)	15200
CONCENTRIC STARS (2)	15200
JESTER	15745
TIGER	15914
SUPERPOSED STAR	16838
STAR BURST	16883
SPIDERMAN	19771
PANTHER	20109
"007"	20276
SPACE SHUTTLE	20428
INTERWINING ELLIPSES	20533
DIAMOND	20586
MARS	20820
MONSTER	21070
"DD"	21392
"HAUNTED HOUSE"	21394
CAVEMAN	21565
ROCKY	21860
"10,000 WHEN FLASHING"	22237
KICKING FOOT (LEFT)	22482
KICKING FOOT (RIGHT)	22484
CURSING (DECAL)	22636
WREATH	24091
FOOTBALL HELMET	24193
"EL DORADO"	24267
REFEREE	24400
CUBS (DECAL)	24473
"TAG TEAM" (DECAL)	24630
"RAVEN" (DECAL)	24902
"HOLLYWOOD HEAT"(DECAL)	25006

(SPECIFY GAME, COLOR OF PLASTIC AND COLOR OF STAMPING)

COLOR CODE			
N	AMBER	V	ORANGE
R	PURPLE	W	BLUE
S	GREEN	Y	BLACK
T	YELLOW	Z	WHITE
U	RED		

## DROP TARGET STAMPINGS/DECALS

STAMPING/DECAL	PART NO.
NO STAMPING (BLANK)	11905
ELLIPTICAL STAR	13179
"2"	13437
"3"	13438
"4"	13439
"5"	13440
"6"	13441
"7"	13442
"8"	13443
"9"	13444
"10"	13445
POOL RACK AND BALL	14700
BOWLING PIN	14857
INDIAN HEAD	14936
"1"	15202
CHECKERS	15416
FISH	15507
COWBOY	15661
CACTUS	15663
HORSE	15665
SURF RIDER	16115
"SINGLE"	17086
"DOUBLE"	17088
"TRIPLE"	17090
"C"	17118
"D"	17120
"N"	17122
"R"	17124
"Y"	17126
"CANADA DRY"	17128
MONKEY	17181
JOKER	17747
"LL"	19599
"O"	19600
"S"	19601
SPIDER WEB	19838
DIAMOND	20524
PINK PANTHER	20647
MARS	20818
VOLCANO	21066
"B"	21231
"L"	21233

STAMPING/DECAL	PART NO.
"A"	21235
"C"	21237
"K"	21239
"H"	21241
"O"	21243
"E"	21245
CONCENTRIC RECTANGLES	21396
CONCENTRIC RECTANGLES (RT)	21397*
ROCKY	21862
"ROUND 1"	22061
"ROUND 2"	22063
"ROUND 3"	22065
"ROUND 4"	22067
"ROUND 5"	22069
"ROUND 6"	22071
"ROUND 7"	22073
"ROUND 8"	22075
"ROUND 9"	22077
"ROUND 10"	22079
"PUNK"	22325
SOCCER BALL	22480
LEFT CUBE (DECAL)	22623
RIGHT CUBE (DECAL)	22624
ACORN	23140
SUNBURST (DECAL) (RT)	24402*
GOALIE MASK (DECAL) (RT)	24403*
LIGHTNING BOLT (DECAL) (RT)	24404*
BASEBALL (DECAL)	24474
WANTED PORTRAIT(DECAL)(RT)	24518*
"T"	24624
"G"	24626
"M"	24628
LIGHTNING BOLT	24798
"SNIPER" PORTRAIT (DECAL)(RT)	24903 *

(SPECIFY GAME, COLOR OF PLASTIC AND COLOR OF STAMPING)

\*ROLLOVER TARGET,  
NO STAMPING (BLANK)  
PART NO. 20892

(RT) ROLLOVER TARGET

COLOR CODE			
N	AMBER	V	ORANGE
R	PURPLE	W	BLUE
S	GREEN	Y	BLACK
T	YELLOW	Z	WHITE
U	RED		

## KICKING TARGET DECALS

Premier  
Technology®

GRAPHICS	PART NO.
FIREBALL	21039
BATS	21531
COILED SNAKE	21564
"PUNK!"	22328
MASKED FACE	24229
BURST	25105

(SPECIFY GAME)

## MISCELLANEOUS DECALS

GAME	LOCATION	PART NO.
RAVEN	HELICOPTER	24932
RAVEN	GLASS STOP	24961
HOLLYWOOD HEAT	RAMP	25019
HOLLYWOOD HEAT	FLAT GUARD RAIL	25022
HOLLYWOOD HEAT	GLASS STOP	25026
GENESIS	RAMP FLAP	25103
GENESIS	BALL SNUBBER	25104



## POP BUMPER BODY STAMPINGS

STAMPING	PART NO.
NO STAMPING (BLANK)	10435
DIAMONDS	10436
CONCENTRIC CIRCLES	13905
SPINNER	15981
POINTED CIRCLES	20577
"ADVANCE LEFT DEFENSE"	22486
"ADVANCE RIGHT DEFENSE"	22488
8 POINT STAR	13904
SPINNER	15980

## SPOT TARGET STAMPINGS

STAMPING	PART NO.
NO STAMPING (BLANK)	9374
AZTEC	11155
SINGLE COLOR BULLSEYE	12290 (RND)
SINGLE COLOR BULLSEYE	12291 (OCT)
DAISY	12712
BASEBALL	12841
FOOTBALL	14273
ELLIPTICAL STAR	14787
HAPPY CLOWN	14404
DIAMOND	15288
HEART	15290
MUSICAL NOTES	18479
SPIDER WEB	19837
CROSS HAIR SIGHT	24794

(SPECIFY GAME, COLOR OF PLASTIC AND COLOR OF STAMPING)

COLOR CODE			
N	AMBER	V	ORANGE
R	PURPLE	W	BLUE
S	GREEN	Y	BLACK
T	YELLOW	Z	WHITE
U	RED		

## SECTION VII PARTS LIST/DESCRIPTIONS

Premier  
Technology

### TABLE OF CONTENTS

	PAGE(S)
MISCELLANEOUS PARTS..... (ARRANGED IN NUMERICAL SEQUENCE)	146-161
ELECTRICAL PARTS..... (FUSES, SWITCHES, SPEAKERS, MISC.)	161
HARDWARE..... (MACHINE SCREWS, WOOD/SHEET METAL SCREWS, HEX NUTS, WASHERS)	162-164
SCREENED BACKGLASS.....	164-165
GAME MANUALS.....	165
LAMPS.....	165
MANUFACTURED ASSEMBLIES.....	166
PROM KITS.....	167
SOCKET/CONNECTORS.....	167
ELECTRONIC PARTS..... (RESISTORS, POTENTIOMETERS, DIODES, TRANSISTORS, CAPACITORS, INTEGRATED CIRCUITS, DISPLAYS, MISC. PARTS)	168-172



## **NOTES**

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
4246	RAIL, BALL GUIDE.....	
4337	LEG, CABINET.....	
4337Y	LEGS, CABINET (BLACK).....	
4515	CONTACT ADJUSTER.....	41
4546	BUSHING.....	
4705	SHIELD, GATE.....	24
4706	WIREFORM, GATE.....	24
4726	ALLEN "T" WRENCH.....	41
4762	SOCKET.....	31
4831	RAIL, BALL GUIDE.....	
4832	RAIL, BALL GUIDE.....	
4833	RAIL, BALL GUIDE.....	
4869	SHIELD, METAL.....	24
4893	ASSY. COIL.....	14, 16, 35
4958	ASSY, ROLLOVER AND BRACKET.....	25
4959	ASSY, ROLLOVER AND BRACKET.....	25
4960	ASSY, ROLLOVER AND BRACKET.....	25
4961	ASSY, ROLLOVER AND BRACKET.....	25
4989	HOUSING, RELAY.....	38
5024	BRACKET, STOP.....	7, 8
5064	CORE, SLIP-IN.....	34
5065	CORE, SLIP-IN.....	34
5081	SPRING, ARMATURE.....	38
5142	CORE, SLIP-IN.....	34
5147	BRACKET, COIL MTG.....	7, 18, 19
5148	BRACKET.....	7, 18, 19
5172	CORE, SLIP-IN.....	34
5194	ASSY. COIL.....	17, 20, 35
5195	ASSY. COIL.....	11, 35
5240	GROMMET, RUBBER.....	38
5269	INSULATOR, ARM.....	
5332	CONTACTS, SILVER.....	37
5334	CONTACT, SILVER.....	37
5335	CONTACT, SILVER WASHER.....	37
5364	ASSY, RELAY "A" SWITCH.....	38
5366	ASSY, RELAY "B" SWITCH.....	38
5368	ASSY, RELAY "C" SWITCH.....	38
5775	RAIL, BALL GUIDE.....	
5867	GUARD, HOLE.....	
5891	GUARD HOLE.....	
5977	RAIL, BALL GUIDE.....	
6039	STOP, GLASS.....	
6039Y	STOP, GLASS (BLACK).....	
6087	CORE, SLIP-IN.....	14, 34
6413	SOCKET.....	31
6443	WASHER, NYLON.....	
6513	ALLEN "T" WRENCH.....	41
6612	RAIL, BALL GUIDE.....	
6931	RAIL, BALL GUIDE.....	
7049	LOCKEYE, CASHBOX.....	
7593	LUG, TAIL.....	36
8107	BLADE, FORMED.....	
8246	PLATTER, POP BUMPER TRIM.....	4
8310	LEVER, DRIVE.....	

## **PARTS LIST/DESCRIPTIONS**

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
262	PLUNGER.....	9
272	PLUNGER.....	7, 18, 22
347	SPRING, BARREL.....	27
348	SPRING, BARREL.....	27
357	ROD, TILT.....	28
358	PLATE, STRIKE.....	28
451	LUG, SIDE.....	36
463	SPACER, FULL.....	36
464	SPACER, HALF.....	36
465	COVER, SWITCH.....	25
466	CONTACTS, SILVER.....	37
468	CONTACTS, SILVER.....	37
471	INSULATOR, TUBING (SPECIFY SIZE).....	36
477	FISHPAPER.....	36
517	SPRING.....	13
557	HOUSING, RELAY.....	8
574	SPRING, ARMATURE.....	8
590	SPRING.....	14
681	BRACKET.....	
688	BRACKET.....	
745	GUARD, SWITCH.....	
799	SPRING.....	6
818	ALLEN "T" WRENCH.....	41
1195	BLADE, BACKING.....	36
1309	ASSY, REBOUND AND STUD.....	
1344	RUBBER, REBOUND.....	
1363	SOCKET.....	31
1486	PLUNGER.....	28
1487	ASSY, PLUNGER AND TIP.....	28
1496	ASSY. COIL.....	15, 35
1636	SPRING, RETURN.....	9, 10, 15, 16
1672	INSULATOR, LIFTER.....	36
1673	SHIELD, METAL.....	24
1674	WIREFORM, GATE.....	24
1826	COVER, SWITCH STEEL.....	36
2040	CONTACTS, SILVER.....	37
2091	SHELL, BELL.....	28
2547	LINK, CAM.....	9
2660	FISHPAPER.....	36
2662	YOKE.....	4
2663	PLUNGER.....	4
2705	STOP WASHER.....	14
2820	LINK, RESET.....	
2913	SOCKET.....	31
2914	SOCKET.....	31
2915	SOCKET.....	31
2916	SOCKET.....	31
3232	SPRING.....	12
3328	SPRING, LEFT FLIPPER.....	7
3329	SPRING, RIGHT FLIPPER.....	7
3460	BRACKET, SWITCH.....	20, 26
3561	SOCKET.....	31
3722	RAIL, BALL GUIDE.....	
3775	BOLT, LEG.....	

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
10222	RUBBER RING, 2-1/2"	33
10223	RUBBER RING, 3"	33
10224	RUBBER RING, 3-1/2"	33
10225	RUBBER RING, 4"	33
10226	RUBBER RING, 5"	33
10336	HOUSING, TILT	28
10430	SPRING	4
10432T	BASE, BUMPER (YELLOW)	4
10432U	BASE, BUMPER (RED)	4
10432V	BASE, BUMPER (ORANGE)	4
10432W	BASE, BUMPER (BLUE)	4
10432Z	BASE, BUMPER (WHITE)	4
10433R	SKIRT, BUMPER (PURPLE)	4
10433S	SKIRT, BUMPER (GREEN)	4
10433T	SKIRT, BUMPER (YELLOW)	4
10433U	SKIRT, BUMPER (RED)	4
10433V	SKIRT, BUMPER (ORANGE)	4
10433W	SKIRT, BUMPER (BLUE)	4
10433Z	SKIRT, BUMPER (WHITE)	4
10434T	CAP, BUMPER (YELLOW)	4
10434U	CAP, BUMPER (RED)	4
10434V	CAP, BUMPER (ORANGE)	4
10434W	CAP, BUMPER (BLUE)	4
10434Z	CAP, BUMPER (WHITE)	4
10435T	BODY, BUMPER (YELLOW)	4
10435U	BODY, BUMPER (RED)	4
10435V	BODY, BUMPER (ORANGE)	4
10435W	BODY, BUMPER (BLUE)	4
10435Z	BODY, BUMPER (WHITE)	4
10617	CAM LINK	18
10704	SOCKET	23, 31
11151	LINER, HOLE	9
11241	FLIPPER, SMALL	6, 7
11346	BRACKET, REST HOOK	
11347	BRACKET, ANTI-LIFT	
11527	SCREW, SHOULDER	8
11534	ASSY, VARI-TARGET ARM	
11535	ASSY, VARI-TARGET AND CAM	8
11536	FRAME, VARI-TARGET	8
11538	ASSY, VARI-TARGET SWITCH	
11561P	POST, 1"	30
11562P	POST, 1-3/16"	30
11703	RAIL, BALL GUIDE	
11905S	TARGET, ARM (GREEN - NYLON)	
11905T	TARGET, ARM (YELLOW - NYLON)	
11905U	TARGET, ARM (RED - NYLON)	
11905W	TARGET, ARM (BLUE - NYLON)	
11905Y	TARGET, ARM (BLACK - NYLON)	
11905Z	TARGET, ARM (WHITE - NYLON)	
11966U	INSERT, ROLLOVER BUTTON	25
11968	BUTTON, ROLLOVER	25
12047	LINK, FLIPPER	7
12051	LEVER, FLIPPER	7
12052	LEVER, FLIPPER	7

## **PARTS LIST/DESCRIPTIONS**

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
8373	ASSY, TILT SWITCH.....	
8514	RAIL, BALL GUIDE.....	
8571	BRACKET.....	4
8727	SPRING.....	9
8829	PLATE, HOUSING.....	27
8831	ASSY, TRIM PLATE.....	27
8833	ASSY, PLUNGER AND KNOB.....	27
8834	BUSHING, PLUNGER.....	27
8835	ASSY, SHOOTER.....	27
8857	SCREW, POST FASTENING.....	30
8903	RAIL, BALL GUIDE.....	
9141	ASSY, TILT SWITCH AND BRACKET.....	28
9374R	TARGET, ROUND (PURPLE).....	
9374S	TARGET, ROUND (GREEN).....	
9374T	TARGET, ROUND (YELLOW).....	
9374U	TARGET, ROUND (RED).....	
9374V	TARGET, ROUND (ORANGE).....	
9374W	TARGET, ROUND (BLUE).....	
9374Z	TARGET, ROUND (WHITE).....	
9393S	RAIL, GUIDE 1-1/2 (GREEN).....	25
9393T	RAIL, GUIDE 1-1/2 (YELLOW).....	25
9393U	RAIL, GUIDE 1-1/2 (RED).....	25
9393W	RAIL, GUIDE 1-1/2 (BLUE).....	25
9393Z	RAIL, GUIDE 1-1/2 (WHITE).....	25
9394S	RAIL, GUIDE 1-1/2 (GREEN).....	25
9394T	RAIL, GUIDE 1-1/2 (YELLOW).....	25
9394U	RAIL, GUIDE 1-1/2 (RED).....	25
9394W	RAIL, GUIDE 1-1/2 (BLUE).....	25
9394Z	RAIL, GUIDE 1-1/2 (WHITE).....	25
9395S	RAIL, GUIDE 2-1/8 (GREEN).....	25
9395T	RAIL, GUIDE 2-1/8 (YELLOW).....	25
9395U	RAIL, GUIDE 2-1/8 (RED).....	25
9395W	RAIL, GUIDE 2-1/8 (BLUE).....	25
9395Z	RAIL, GUIDE 2-1/8 (WHITE).....	25
9396T	RAIL, GUIDE 2-1/8 (YELLOW).....	25
9396U	RAIL, GUIDE 2-1/8 (RED).....	25
9396Z	RAIL, GUIDE 2-1/8 (WHITE).....	25
9397T	RAIL, GUIDE 2-1/2 (YELLOW).....	25
9397Z	RAIL, GUIDE 2-1/2 (WHITE).....	25
9398T	RAIL, GUIDE 2-1/2 (YELLOW).....	25
9398Z	RAIL, GUIDE 2-1/2 (WHITE).....	25
9430	LINK, CAM.....	
9460	POINT FILE, DIAMOND DUST.....	41
9517	5" BELL MTG. BRKT.....	28
9757	ASSY, ROLLOVER AND BRKT.....	25
9758	SPRING.....	9, 28
9759	BRACKET.....	
9760	CLIP.....	
9767	GAUGE, SHOOTER.....	29
10217	RUBBER RING, 5/16".....	33
10218	RUBBER RING, 3/4".....	33
10219	RUBBER RING, 1".....	33
10220	RUBBER RING, 1-1/2".....	33
10221	RUBBER RING, 2".....	33

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
15074	PANEL, FRONT DOOR.....	
15077	PANEL, BACK.....	
15079	PLATE, FACE 1 CHUTE.....	
15080	PLATE, FACE 2 CHUTE.....	
15081	PLATE, FACE 3 CHUTE.....	
15082	TROUGH, COIN.....	
15083	COVER, COIN CHUTE.....	
15089	ROD, REJECT.....	
15098	DOOR, COIN RETURN.....	
15101	COVER, COIN RETURN.....	
15102	HOUSING, COIN RETURN.....	
15163	HOUSING.....	32
15164	TILT BOB WIRE.....	28
15357	LINE CORD, DOMESTIC.....	
15401	SWITCH, ON-OFF PUSH.....	32
15409	BRACKET.....	9, 11, 12
15462	BRACKET, KNOCKER.....	28
15503	ASSY, RESET ARM W/PLG 10 POS.....	3
15504	BRACKET, COIL.....	3
15505	BRACKET, COIL.....	3
15528	BRACKET, BEARING.....	6
15529	BEARING, FLIPPER SHAFT.....	6
15531	ASSY, SHAFT AND SHOE.....	6
15544Z	TARGET, DIP 1-5/8 (WHITE).....	
15550	ASSY, ARCH GATE.....	
15551	RAIL, FLAT.....	
15598	SPRING.....	9
15617	SHAFT, TRIGGER 9 POS.....	3
15620	PLATE, PIVOT 9 POS.....	3
15621	PLATE, SWITCH 9 POS.....	3
15622	PLATE, GUIDE 9 POS.....	3
15646S	GUIDE, ROLLOVER (GREEN).....	24
15646T	GUIDE, ROLLOVER (YELLOW).....	24
15646U	GUIDE, ROLLOVER (RED).....	24
15646V	GUIDE, ROLLOVER (ORANGE).....	24
15646W	GUIDE, ROLLOVER (BLUE).....	24
15646Z	GUIDE, ROLLOVER (WHITE).....	24
15647S	GUIDE, ROLLOVER (GREEN).....	24
15647T	GUIDE, ROLLOVER (YELLOW).....	24
15647U	GUIDE, ROLLOVER (RED).....	24
15647V	GUIDE, ROLLOVER (ORANGE).....	24
15647W	GUIDE, ROLLOVER (BLUE).....	24
15647Z	GUIDE, ROLLOVER (WHITE).....	24
15648S	GUIDE, ROLLOVER (GREEN).....	24
15648T	GUIDE, ROLLOVER (YELLOW).....	24
15648U	GUIDE, ROLLOVER (RED).....	24
15648V	GUIDE, ROLLOVER (ORANGE).....	24
15648W	GUIDE, ROLLOVER (BLUE).....	24
15648Z	GUIDE, ROLLOVER (WHITE).....	24
15687	BEARING, RESET ARM.....	3
15689	ASSY, RESET ARM W/PLG 4 POS.....	3
15691	ASSY, RESET ARM W/PLG 5 POS.....	3
15696	BEARING, OUTBOARD.....	3
15705	RUBBER RING, MINI POST LARGE.....	30, 33

## PARTS LIST/DESCRIPTIONS

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
12144	SPRING.....	8
12146	BRACKET.....	8
12149	YOKE.....	4
12179	SHAFT, TRIGGER 10 POS.....	3
12180	LEG, MOUNTING.....	3
12181	TRIGGER.....	3
12186	PLATE, PIVOT 10 POS.....	3
12187	PLATE, SWITCH 10 POS.....	3
12188	PLATE, GUIDE 10 POS.....	3
13149	RUBBER RING, FLIPPER SMALL.....	6, 7, 33
13150Z	FLIPPER, LARGE (WHITE).....	6
13151	RUBBER RING, FLIPPER LARGE.....	6, 33
13154	ASSY, FLIP SHAFT AND SHOE.....	
13402	SHAFT, TRIGGER 4 POS.....	3
13403	SHAFT, TRIGGER 5 POS.....	3
13409	PLATE, PIVOT 4 POS.....	3
13410	PLATE, PIVOT 5 POS.....	3
13411	PLATE, SWITCH 4 POS.....	3
13412	PLATE, SWITCH 5 POS.....	3
13413	PLATE, GUIDE 4 POS.....	3
13414	PLATE, GUIDE 5 POS.....	3
13455	SPRING.....	3
13652	WIREFORM, GATE.....	13
13653	WIREFORM, ARMATURE.....	13
13654	SHAFT, GATE.....	13
13656	ASSY, SHAFT AND COLLAR.....	13
13660	ARMATURE.....	13
13782	RAIL, BALL GUIDE.....	
13798	RAIL, SNUBBER.....	
13833	RAIL, BALL GUIDE.....	
13898	PLATE, BACK.....	7
13900Z	BUSHING, FLIPPER BUTTON.....	7
14007	MOULDING, FRONT.....	26
14043	SHIELD, TARGET.....	
14078	CHANNEL, GLASS.....	
14099	WIREFORM, GATE.....	13
14104	POINT FILE.....	41
14170	ASSY, FRAME AND BUSHING.....	13
14236	SPRING.....	24
14375	WIREFORM, GATE.....	13
14376	ASSY, COLLAR.....	13
14487Z	BASE, POST.....	27, 30
14488Z	CAP, SPLIT POST.....	30
14505	RAIL, BALL GUIDE.....	
14527	SHAFT, TRIGGER 7 POS.....	3
14530	PLATE, PIVOT 7 POS.....	3
14531	PLATE, SWITCH 7 POS.....	3
14532	PLATE, GUIDE 7 POS.....	3
14568	RAIL, BALL GUIDE.....	
14571	RAIL, BALL GUIDE.....	
14572	RAIL, BALL GUIDE.....	
14723	LINE CORD, JAPAN.....	
14792	SCREW, MINI-POST.....	30
14793	RUBBER RING, MINI-POST SMALL.....	30, 33

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
16632	PAD, BUMPER.....	4
16634	ASSY, TIE ROD & RING.....	4
16647	BRACKET, SWITCH.....	4, 5, 26
16680U	BUTTON, FLIPPER (RED).....	7
16699	ASSY, ARM AND BRACKET.....	10
16700	ASSY, ARM AND PINS.....	10
16701	ASSY, CONTACT KICKER.....	10
16890	ASSY, COIL.....	35
16892	ASSY, ARMATURE AND ARM.....	38
16893	ASSY, ARMATURE.....	38
16949	ASSY, LOCKDOWN CHANNEL.....	29
16951	MOULDING, FRONT.....	29
16951Y	MOULDING, FRONT (BLACK).....	29
16969	ASSY, FLIPPER FRAME RIGHT.....	6
16970	ASSY, FLIPPER FRAME LEFT.....	6
16981	ASSY, FLIPPER SHAFT.....	6
16992	RAIL, BALL GUIDE.....	6
17037	BLADE, BACKING.....	36
17106	RAIL, BALL GUIDE.....	24
17299	WIREFORM, ROLLUNDER GATE.....	24
17300	SHIELD, METAL.....	24
17379	BRACKET, SWITCH MOUNTING.....	24
17440	CASHBOX AND LID.....	27
17450	PAD, SHOOTER.....	27
17492	POST, SIAMESE.....	33
17493	RUBBER RING, 7/16".....	33
17494	BRACKET, TARGET.....	26
17564	ASSY, COIL.....	8, 25
17565	BEARING, FLIPPER SHAFT.....	6
17596	EYELET, BRASS.....	27
17650	RAIL, BALL GUIDE.....	27
17836	ASSY, BLADE AND POINT.....	18, 19, 35
17837	ASSY, BLADE AND POINT.....	18, 19, 35
17838	ASSY, FLIPPER BUTTON SWITCH.....	28
17841	ASSY, KIC RUBBER SWITCH.....	18, 19, 35
17875	ASSY, COIL.....	18, 19, 35
17876	ASSY, COIL.....	35
17891	ASSY, COIL.....	35
17906	ASSY, BRACKET AND STOP.....	4
17908	ASSY, BRACKET AND STOP.....	6
17932	SHAFT, TRIGGER 6 POS.....	3
17936	ASSY, RESET ARM W/PLG 6 POS.....	3
17937	PLATE, GUIDE 6 POS.....	3
17938	PLATE, SWITCH 6 POS.....	3
17939	PLATE, PIVOT 6 POS.....	3
18070	RAIL, BALL GUIDE.....	3
18072	ASSY, TARGET, BLADE AND POINT.....	3
18077	ASSY, RUBBER CONTACT SWITCH.....	3
18078	ASSY, SWITCH AND BRACKET.....	3
18085	ASSY, HOLE KICKER SWITCH.....	3
18086	ASSY, KIC RUBBER SWITCH.....	3
18092	ASSY, REPLAY BUTTON SWITCH.....	3
18093	ASSY, BANK SWITCH.....	3
18094	ASSY, BANK SWITCH.....	3

## PARTS LIST/DESCRIPTIONS

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
15707T	PLATE, HOLE BASE (YELLOW).....	9
15707U	PLATE, HOLE BASE (RED).....	9
15707Z	PLATE, HOLE BASE (WHITE).....	9
15708T	ARM, HOLE SWITCH (YELLOW).....	9
15708U	ARM, HOLE SWITCH (RED).....	9
15708Z	ARM, HOLE SWITCH (WHITE).....	9
15808	CONTACTS, SILVER.....	37
15811	SEAL, GLASS.....	
15819	FULCRUM.....	8, 17
15822	ASSY, BALL CAM.....	9
15826	ASSY, SPRING CAM.....	9
15827	ASSY, HOLE KICKER.....	9
15828	ASSY, HOLE KICKER.....	9
15832	ASSY, KICKER ARM.....	10
15833	ASSY, KICKER ARM.....	10
15834	ASSY, KICKER ARM.....	10
15835	ASSY, KICKER ARM.....	10
15836	ASSY, CONTACT KICKER.....	10
15837	ASSY, CONTACT KICKER.....	10
15838	ASSY, CONTACT KICKER.....	10
15839	ASSY, CONTACT KICKER.....	10
15858	SOCKET.....	31
15877	WIREFORM, TRIP ARM.....	3
15878	SHAFT, TRIGGER 5 POS.....	3
15881	BRACKET, TRIP COIL.....	3
15884	ASSY, TRIP ARM 5 POS (RT).....	3
15989	ASSY, FLIPPER AND SHOE.....	6
16002	SOCKET.....	31
16036	RAIL, BALL GUIDE.....	
16038	SNUBBER, BALL.....	
16043	ASSY, SPRING CAM.....	9
16044	ASSY, BALL CAM.....	9
16045	ASSY, HOLE KICKER.....	9
16083	ASSY, HOLE KICKER.....	9
16084	BLADE, LIFTER.....	
16085	ASSY, HOLE KICKER.....	9
16086	ASSY, HOLE KICKER.....	9
16192	HOUSING, DRIVE COIL.....	3
16193	BRACKET, COIL STOP.....	3
16194	HOUSING, COIL.....	3
16195	BRACKET.....	3
16351	MINI PRY BAR.....	41
16354	FRAME, FLIPPER.....	6
16355	FRAME, FLIPPER.....	6
16356	BRACKET.....	6
16360	ASSY, PLUNGER AND TIP.....	6
16361	ASSY, FLIPPER LEVER.....	6
16362	ASSY, FLIPPER LEVER AND PLUNGER.....	6
16363	ASSY, FLIPPER SWITCH.....	6
16406	SHAFT, TRIGGER 9 POS.....	3
16565U	PLATE, COIN ENTRANCE (RED).....	
16566U	PLATE, COIN ENTRANCE (RED).....	
16567U	PLATE, COIN ENTRANCE (RED).....	
16570	ASSY, COIL.....	12, 35

## PARTS LIST/DESCRIPTIONS



### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
19857	ASSY, HOLE KICKER SWITCH.....	
19873P	BASE, ARCH ROD POST.....	
19874P	CAP, ARCH ROD POST.....	
19875P	POST, ARCH ROD SUPPORT.....	
19963	RAIL, BALL GUIDE.....	
19999	ASSY, ROLLOVER SWITCH.....	
20030	RAIL, BALL GUIDE.....	
20031	RAIL, BALL GUIDE.....	
20095	ASSY, COIL.....	35
20104	RAIL, FLAT SHORT.....	
20110	ASSY, VARI-TARGET DISC.....	8
20196	SCREW, THREADED POST.....	
20206	HOUSING, TARGET.....	15
20207	ARM, TARGET.....	15
20209	ASSY, TARGET CAM.....	15
20210P	ENVELOPE, TARGET ARM.....	15
20211	SHAFT, SHOULDER.....	15
20213	ASSY, KICKING TARGET.....	
20226	SPRING.....	11
20227	ASSY, KIC TARGET SWITCH.....	15
20293	ASSY, LINK AND PLUNGER.....	12, 15
20294	SPRING.....	12
20296	ASSY, GATE.....	
20297	FRAME, GATE.....	12
20298	ASSY, BALL RETURN GATE.....	
20365	ASSY, FRONT MOULDING.....	
20385	WIREFORM, SWING TARGET.....	
20388	ASSY, SWING TARGET REPLACED BY 24494	26
20406	ROD, SWING TARGET.....	26
20407	WASHER, NYLON.....	26
20494	ASSY, TARGET CAM.....	
20495	ASSY, KICKING TARGET.....	
20499	MOULDING, FRONT (MONDIAL).....	
20541	BRACKET.....	
20556	CORE, COIL.....	
20558	ASSY, COIL.....	35
20559	BRACKET, COIL.....	14
20561	ASSY, PLUNGER AND TIP.....	
20562	ASSY, BRKT AND WELD NUT (BELL-MTG).....	
20582	RAIL, BALL GUIDE.....	
20597	ASSY, BRACKET AND STOP.....	9, 15
20601	WIREFORM, GATE.....	11
20603	ASSY, ROLLOVER AND BRKT.....	25
20604	WIREFORM, BALL STOP.....	11, 12
20606	ASSY, GATE.....	12
20607	ASSY, BALL RETURN GATE.....	
20635P	POST, SUPPORT.....	30
20786	RAIL, BALL GUIDE.....	
20845	FULCRUM, RAMP LEVER.....	18, 19
20849	ROLLER, RAMP LEVER.....	18, 19
20850	ASSY, RAMP LEVER.....	18, 19
20855	FENCE, RAMP.....	18, 19
20857	PLATFORM, RAMP.....	
20858	RAMP.....	

## **PARTS LIST/DESCRIPTIONS**

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
18095	ASSY, BANK SWITCH.....	
18096	ASSY, BANK SWITCH.....	
18102	ASSY, COIL.....	35
18131	TOOL, CB EXTRACTION.....	
18265	ASSY, COIL STOP BRACKET.....	7, 18, 19
18284	ASSY, LOCKOUT ARMATURE.....	8
18318	ASSY, COIL.....	35
18348	ASSY, ROLLOVER AND BRACKET.....	11
18349	BRACKET.....	11
18354	ASSY, BALL STRIKER ARM.....	11
18356	ASSY, FRAME.....	11
18549	PLUNGER.....	
18563	RAIL, BALL GUIDE.....	
18578	BRACKET, LOCATOR.....	
18638	ASSY, BALL RETURN UNIT.....	
18642	ASSY, COIL.....	35
18643	ARMATURE.....	3
18644	CLIP, ARMATURE.....	3
18686	ASSY, LINK AND PLUNGER.....	16
18688	ASSY, SWITCH, WIRE AND BRKT.....	
18702	ASSY, BRACKET AND STOP.....	11, 12, 16
18741	TARGET, METAL CARD.....	
18764	RAIL, BALL GUIDE.....	
18775	ASSY, LOCKDOWN SLIDE.....	
18778	ASSY, FRONT MOULDING.....	
18780	ARMOR, LEFT SIDE.....	
18781	ARMOR, RIGHT SIDE.....	
18782	CHANNEL, GLASS.....	
18808	ASSY, KIC RUBBER SWITCH.....	10
18892	ASSY, ROLLOVER SWITCH.....	11, 25
18995	SPRING.....	
19099	GUARD, HOLE.....	
19208	ASSY, COIL.....	35
19217	ASSY, COIL.....	35
19300	ASSY, COIL.....	35
19303	TRANSFORMER, DOM.....	
19304	TRANSFORMER, GERMAN.....	
19305	TRANSFORMER, FOREIGN.....	
19331	RAIL, BALL GUIDE.....	
19353	ASSY, SWING TARGET SW AND BRKT LT.....	26
19354	ASSY, SWING TARGET SW AND BRKT RT.....	
19388	ASSY, ROLLOVER SWITCH.....	
19428	ASSY, ROLLOVER BUTTON SWITCH.....	
19499	WIREFORM, ROLLOVER.....	
19500	ASSY, ROLLOVER AND BRACKET.....	
19502	ASSY, ROLLOVER AND BRACKET.....	
19508	ASSY, COIL.....	35
19550	TRANSFORMER, FOREIGN.....	
19554	TRANSFORMER, FOREIGN.....	
19645	ASSY, ARCH GATE.....	40
19646	ASSY, ARCH REBOUND.....	40
19741	ASSY, PCB POP BUMPER DRIVER.....	54
19743	TRANSFORMER, FOR (BENCH TEST).....	
19754	ASSY, ROLLOVER SWITCH.....	

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology®

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
21532	SNUBBER, BALL.....	
21569	ASSY, GATE SWITCH.....	
21613	BRACKET.....	
21618	ASSY, TRANSISTOR AND BRKT.....	
21622	ASSY, BALL RETURN UNIT.....	11
21643	SPRING, RETURN.....	4
21671	ASSY, FRONT MOULDING.....	
21694	WIREFORM, GATE.....	24
21720	RAIL, BALL GUIDE.....	
21741	ASSY, COIL.....	35
21854	ASSY, KICKER COIL BRACKET.....	14
21864	BALL, STEEL 1-1/16.....	28
21958	WIREFORM, GATE.....	24
22005	ARMOR, LEFT SIDE.....	
22006	ARMOR, RIGHT SIDE.....	
22007	ARMOR, LEFT SIDE W/DLB FLIP.....	
22008	ARMOR, RT SIDE W/DLB FLIP.....	
22038	BAG, ANTI-STATIC 16 X 24.....	
22043	BRACKET, SWITCH.....	10, 26
22096	ASSY, CABLE-CON BD TO DR BD.....	
22102	RAIL, FLAT.....	
22107	RAIL, FLAT.....	
22109	RAIL, FLAT.....	
22112	WIREFORM, ROLLUNDER GATE.....	24
22118	WIREFORM, GATE.....	24
22200	TEE-NUT, DUAL W/TAB.....	
22201	COLLAR, MOTOR.....	23
22202	MOTOR.....	
22203	BRACKET, MOTOR.....	
22224	ASSY, KIC RUB SW AND BRACKET.....	10
22225	ASSY, KIC RUB SW AND BRACKET.....	10
22227	ASSY, SWITCH AND BRACKET.....	27
22231	ASSY, RAMP PLATFORM.....	18
22233	WASHER, SPRING.....	9, 11, 15, 19
22234	ASSY, LINK AND PLUNGER.....	9
22262	BRACKET, RAMP SWITCH.....	18, 19
22263	ASSY, SWITCH.....	18
22264	ASSY, SWITCH AND BRKT.....	18
22277	CLIP, FLAT RAIL.....	
22320	ASSY, CABLE-SOUND BD ADAPTER.....	
22394	ASSY, LINK AND PLUNGER.....	11
22398	ASSY, FLIPPER SWITCH R (AB).....	
22425	ASSY, LINK AND PLUNGER.....	15
22435	RAIL, FLAT.....	
22453	ASSY, PLUNGER.....	19
22478	ASSY, FLIPPER SWITCH L (AB).....	
22672	ASSY, ROLLUNDER SWITCH.....	
22735	MOULDING, RIGHT.....	
22735Y	MOULDING, RIGHT (BLACK).....	
22736	MOULDING, LEFT.....	
22736Y	MOULDING, LEFT (BLACK).....	
22988	PLASTIC SET, GA684.....	
23503	ASSY, BUTTON HOLDER AND SWITCH.....	27
23748	PLASTIC SET GA688.....	

## **PARTS LIST/DESCRIPTIONS**

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
20859	ASSY, RAMP AND PLATFORM.....	19
20860	ASSY, HOLE SWITCH.....	
20866	ASSY, SPOT TARGET SWITCH.....	
20867	ASSY, TARGET SW AND BRKT.....	26
20892PL	TARGET, DROP ROLLOVER (CLEAR).....	
20892YL	TARGET, DROP ROLLOVER (BLACK).....	
20934	PLATE, GUIDE 3 POS.....	3
20935	PLATE, PIVOT 3 POS.....	3
20936	PLATE, SWITCH 3 POS.....	3
20937	BRACKET, TARGET STOP.....	3
20938	SHAFT, TRIGGER 3 POS.....	3
20941	ASSY, RESET ARM W/PLG 3 POS.....	3
20950	SNUBBER, BALL.....	
20957	WIREFORM, HOLE FLAP.....	
20998	PLUNGER.....	14
20999	WASHER, NYLON.....	14
21000	GROMMET, RUBBER.....	14
21002	ASSY, SWITCH.....	14
21008	BRACKET, MOTOR.....	22
21009	MOTOR.....	
21017	PLATE, BACK DUAL BUTTON.....	7
21018Z	BUSHING, DOUBLE FLIPPER.....	7
21107	SNUBBER, BALL.....	
21108	BRACKET, COIL AND SWITCH.....	
21137	ASSY, ROLLUNDER SWITCH.....	
21160	WIREFORM, GATE.....	13
21164	RAIL, BALL GUIDE.....	
21177	ASSY FRAME AND PIN.....	16
21179	PLASTIC TUBE.....	16
21194	BRACKET, PB REST.....	
21196	HOUSING.....	
21219	WASHER, SPONGE RUBBER.....	23
21345	ASSY, POP BUMPER SWITCH.....	
21352	ASSY, POP BUMP SW AND BRKT.....	5
21353	ASSY, POP BUMP SW AND BRKT.....	5
21354	ASSY, POP BUMPER SWITCH.....	
21355	ASSY, POP BUMPER SWITCH.....	
21356	ASSY, POP BUMP SW AND BRKT.....	5
21359	ASSY, POP BUMP SW AND BRKT.....	5
21365	ASSY, KICKER ARM.....	
21366	ASSY, CONTACT KICKER.....	10
21372	CLIP, FLAT RAIL.....	
21376	RAIL, FLAT.....	
21378	RAIL, FLAT.....	
21382	RAIL, FLAT.....	
21411	CORE, SLIP-IN.....	17, 24
21412	ASSY, PLUNGER AND TIP.....	17
21414	ASSY, WIREFORM AND BRKT.....	17
21415	ASSY, SWITCH.....	17
21416	BRACKET.....	17
21429	ASSY, TARGET ARM.....	17
21430	SPRING.....	17
21431	SHAFT.....	17
21464	ASSY, FLIPPER AND SHOE.....	6

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
24406	GUARD, PLASTIC.....	20
24407	BALL, NYLON.....	20
24410N	SHIELD, LIGHT (AMBER).....	31
24410S	SHIELD, LIGHT (GREEN).....	31
24410T	SHIELD, LIGHT (YELLOW).....	31
24410U	SHIELD, LIGHT (RED).....	31
24410W	SHIELD, LIGHT (BLUE).....	31
24417	RAIL, FLAT.....	
24418	PLASTIC SET, GA694.....	
24463	PLASTIC SET, GA696.....	
24468	RAIL, BALL GUIDE.....	21
24470	PUCK, BLACK.....	21
24473	DECAL, CUBS.....	141
24474	DECAL, BASEBALL.....	140
24491	WIREFORM, SWING TARGET.....	
24494	ASSY, SWINGING TARGET REPLACES 20388.....	26
24506	RAIL, BALL GUIDE.....	
24507	RAIL, BALL GUIDE.....	
24508	RAIL, FLAT.....	
24509	RAIL, FLAT.....	
24510	RAIL, FLAT.....	
24518	DECAL, BOUNTY (TARGET).....	140
24530	DECAL, BOUNTY (CAP).....	
24536	PLASTIC SET, GA697.....	
24560	PLASTIC SET, GA699.....	
24567	ASSY, SLAM SWITCH.....	
24568	RAIL, FLAT.....	
24569	RAIL, FLAT.....	
24570	RAIL, FLAT.....	
24571	RAIL, FLAT.....	
24579	PLASTIC SET, GA698.....	
24622	ASSY, ROLLUNDER SWITCH.....	
24632	ASSY 5" BELL.....	
24634	TRANSFORMER, PINBALL (A/N).....	
24644	SPEAKER, 4".....	
24653	DISPLAY PANEL (SPECIFY GAME).....	128
24654-697	DISPLAY PANEL-SCREENED.....	
24654-702	DISPLAY PANEL-SCREENED.....	
24654-703	DISPLAY PANEL-SCREENED.....	
24654-705	DISPLAY PANEL-SCREENED.....	
24655	GLASS FRONT PANEL.....	128
24655-697	SCREENED ARTWORK, GA697.....	
24656	GLASS LIFT TRIM.....	
24657	PLASTIC GLASS TRIM - TOP.....	
24658	PLASTIC GLASS TRIM - L AND R.....	
24672	BALLAST, 50 CYCLE.....	
24673	BALLAST, 60 CYCLE.....	
24674	LAMP, FLUORESCENT.....	
24675	STARTER.....	
24676	STARTER SOCKET.....	
24677	FLUORESCENT LAMP SOCKET.....	
24706	PLAYFIELD SPACER.....	30
24747-702	STYRENE ARTWORK, GA702.....	
24747-703	STYRENE ARTWORK, GA703.....	

## PARTS LIST/DESCRIPTIONS

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
23799	SWITCH, DOUBLE POLE.....	32
23833	RAIL, BALL GUIDE.....	
23834	RAIL, FLAT.....	
23836	TRANSFORMER, UNV PINBALL.....	
23855	FENCE, BALL RETURN.....	11
23856	FENCE, BALL RETURN.....	11
23869	PLASTIC SET GA689.....	
23875	FRONT DOOR, DOMESTIC.....	
23875A	FRONT DOOR, FRENCH.....	
23875H	FRONT DOOR, JAPAN.....	
23875K	FRONT DOOR, CANADA.....	
23879	CASHBOX.....	
23880	COVER, CASHBOX.....	
23881	SHIELD, LIGHT 1-3/4.....	
23975	LOCK, DOUBLE BIT KEY.....	
24002	PLASTIC SET GA691.....	
24008	RAIL, FLAT.....	
24009	RAIL, FLAT.....	
24035	RAIL, FLAT.....	
24044	PLASTIC SET GA692.....	
24116	TRANSFORMER, PINBALL (A/N).....	
24147	MLDG., LOCKDOWN STRIKE.....	
24152	CASHBOX.....	
24153	COVER, CASHBOX.....	
24159	FRONT DOOR, DOMESTIC (2 CHUTE).....	
24159C	FRONT DOOR, BELGIUM.....	
24159D	FRONT DOOR, SWEDEN.....	
24159E	FRONT DOOR, SWITZERLAND.....	
24159F	FRONT DOOR, EASTERN EUROPE.....	
24159G	FRONT DOOR, AUSTRALIA.....	
24159H	FRONT DOOR, JAPAN.....	
24159I	FRONT DOOR, ITALY.....	
24159J	FRONT DOOR, ENGLAND.....	
24159K	FRONT DOOR, CANADA.....	
24159L	FRONT DOOR, AUSTRALIA.....	
24160A	FRONT DOOR, FRANCE.....	
24160B	FRONT DOOR, GERMANY.....	
24160D	FRONT DOOR, SWEDEN.....	
24160I	FRONT DOOR, ITALY.....	
24161	ASSY. COIL.....	35
24168	ASSY, DISC VARI-TARGET.....	
24229	DECAL, TARGET.....	
24293	PUSHBUTTON, BLACK.....	
24293W	PUSHBUTTON, BLUE.....	
24299	DECAL, TARGET FOOTBALL.....	
24368	RAIL, FLAT.....	
24370	PLASTIC SET, GA695.....	
24393	ASSY, TILT SWITCH.....	27
24396	ASSY, BALL KICKER GUIDE.....	20
24399	ARM, KICKER.....	20
24402	DECAL, SUNBURST.....	140
24403	DECAL, MASK.....	140
24404	DECAL, LIGHTNING BOLT.....	140

# PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

## MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
25062	FIGURINE SHIELD, MOLDED.....	23
25063	RAMP, RIGHT MOLDED.....	
25064	RAMP, LEFT MOLDED.....	
25065	RAIL, FLAT.....	
25066	RAIL, FLAT.....	
25067	RAIL, FLAT.....	
25068	MOTOR.....	23
25069	RAIL, FLAT.....	
25070	RAIL, FLAT.....	
25081	PLASTIC SET, GA705.....	
25082	PLASTIC SET, GA705.....	
25083	BRACKET, MOTOR SW MTG.....	23
25084	ASSY, MOTOR SWITCH.....	23
25089	SPACER, RAMP.....	30
25092	SHADOW BOX.....	
25103	DECAL, RAMP FLAP.....	
25104	DECAL, BALL SNUBBER.....	
25105	DECAL, KICK TARGET.....	

## ELECTRICAL PARTS

### FUSES

EL5	FUSE, 1/4 AMP SLO-BLO.....	32
EL28	FUSE, 1/2 AMP.....	32
EL20	FUSE, 1/2 AMP SLO-BLO.....	32
EL6	FUSE, 1 AMP SLO-BLO.....	32
EL7	FUSE, 2 AMP SLO-BLO.....	32
EL21	FUSE, 2-1/2 AMP SLO-BLO.....	32
EL9	FUSE, 3 AMP SLO-BLO.....	32
EL33	FUSE, 4 AMP SLO-BLO.....	32
EL8	FUSE, 5 AMP SLO-BLO.....	32
EL29	FUSE, 6-1/4 AMP SLO-BLO.....	32
EL22	FUSE, 7-1/2 AMP.....	32
EL30	FUSE, 8 AMP.....	32
EL26	FUSE, 8 AMP SLO-BLO.....	32
EL23	FUSE, 10 AMP.....	32
EL36	FUSE, 10 AMP SLO-BLO.....	32
EL25	FUSE, 15 AMP.....	32

### SWITCHES

EL100	SWITCH, SNAP E33-71HL (JAPAN).....
EL101	SWITCH, ON-OFF SP110A (JAPAN).....
EL102	MICRO SWITCH (ROBERTSHAW).....
EL57	SWITCH, PUSHBUTTON 30-1.....
EL66	SWITCH, INTERLOCK 2DM409.....

### SPEAKERS

EL83	SPEAKER, 4 OHM.....
EL93	SPEAKER, 8 OHM.....

### MISCELLANEOUS

EL42	BRIDGE RECTIFIER, BR354.....
EL50	FILTER, LINE 5VK1.....

## **PARTS LIST/DESCRIPTIONS**

### MISCELLANEOUS PARTS

PART NO.	DESCRIPTION	PAGE(S)
24747-704	STYRENE ARTWORK, GA704.....	
24747-705	STYRENE ARTWORK, GA705.....	
24867	CASHBOX.....	
24868	COVER, CASHBOX.....	
24870	LINER, CASHBOX (SMALL).....	
24871	LINER, CASHBOX (LARGE).....	
24872	FENCE, RAMP.....	19
24875U	SHIELD, BULB - RED.....	31
24880	SPACER (HELICOPTER).....	22, 30
24881	SOCKET.....	31
24882	RAIL, FLAT.....	
24883	SOCKET.....	
24884	RAMP, MOLDED.....	
24885	HELICOPTER.....	22
24886	BLADE, HELICOPTER.....	22
24894	MOTOR.....	22
24895	PLASTIC SET, GA702.....	
24902	DECAL, BUMPER CAP.....	141
24903	DECAL, DROP TARGET.....	140
24932	DECAL, HELICOPTER.....	22
24947	RAIL, FLAT.....	
24948	RAIL, FLAT.....	
24949	RAIL, FLAT.....	
24950	RAIL, FLAT.....	
24951	RAIL, BALL GUIDE.....	
24952	RAIL, FLAT.....	
24956	RAIL, FLAT.....	
24957	RAIL, FLAT.....	
24964	GLASS LIFT TRIM.....	128
24965	SOCKET.....	31
24967	RAMP.....	
24974	RAMP, MOLDED.....	
24975	PLASTIC SET, GA703.....	
24988	FLAP, RAMP.....	
24990	PLASTIC GLASS TRIM - L AND R.....	128
24991	PLASTIC GLASS TRIM - TOP.....	128
24993	ASSY, LOCKDOWN CHANNEL.....	29
24996	ASSY, RAMP SWITCH.....	19
24997	ASSY, RAMP SWITCH AND BRACKET.....	19
25000	PLASTIC SET #2, GA703.....	
25006	DECAL, POP BUMPER.....	141
25007	DECAL, DROP TARGET.....	
25019	DECAL, HOTSHOT.....	143
25021	RAIL, FLAT.....	
25022	DECAL, "THE HEAT IS ON".....	143
25026	DECAL, P.B. STOP, GA703.....	143
25036	RAIL, FLAT.....	
25049	WINDOW, PLAYBOARD.....	23
25053	SOCKET.....	31
25054	BRACKET, FIGURENE SHIELD.....	23
25055	BRACKET, FIGURENE TABLE.....	23
25059	PLATE, SHIELD MOUNTING.....	23
25060	BRACKET, MOTOR.....	23
25061	FIGURINE, MOLDED.....	23

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### HARDWARE

#### MACHINE SCREWS

PART NO.	DESCRIPTION	PAGE (S)
FA112	10-24 X 1-1/2 CARR BOLT B.O.....	
FA111	10-24 X 1-3/4 CARR BOLT.....	
FA91	10-32 X 1/4 ROLOK.....	
FA159	10-32 X 1/4 ALLEN H SET.....	
FA90	10-32 X 3/8 UNBRAKO.....	
FA156	10-32 X 1/2 RHMS.....	
FA155	10-32 X 1-1/2 HHMMS.....	
FA94	10-32 X 1-3/4 HHMS.....	
FA96	1/4-20 X 5/8 SHCS.....	
FA114	1/4-20 X 1-3/4 CARR BOLT B.O.....	
FA140	1/4-20 X HHMS.....	
FA119	5/16-18 X 1 SHCS B.O.....	
FA154	5/16-18 X 1-1/2 SHCS B.O.....	
FA151	3/8-16 X 2-3/4 HHCS.....	

#### WOOD/SHEET METAL SCREWS

FA207	4 X 1/2 RHMSMS.....	
FA200	5 X 3/4 RHWS.....	
FA205	5 X 7/8 RHWS.....	
FA201	5 X 1-1/8 RHWS.....	
FA202	5 X 1-1/4 RHWS.....	
FA204	5 X 1-3/8 RHWS.....	
FA265	6 X 3/8 RHWS.....	
FA283	6 X 3/8 HWHSMS.....	
FA270	6 X 1/2 HWHSMS.....	
FA228	6 X 1/2 PHWS.....	
FA269	6 X 1/2 PHSMS.....	
FA275	6 X 3/4 HWHSMS.....	
FA229	6 X 3/4 PHIL HWS.....	
FA281	6 X 7/8 HWHSMS.....	
FA276	6 X 1 RHSMS.....	
FA278	6 X 1-1/2 RHSMS NP.....	
FA280	6 X 1-3/4 RHSMS NP.....	
FA261	6-20 X 1/2 HWH TYPE B.....	
FA260	6-20 X 3/4 HWH TYPE B.....	
FA300	8 X 1/2 HWHSMS.....	
FA285	8 X 5/8 HWHSMS.....	
FA301	8 X 3/4 HWHSMS.....	
FA224	8 X 1 FHWS.....	
FA303	8 X 1-1/4 HWHSMS NP.....	
FA304	8 X 1-3/4 HWHSMS NP.....	

#### HEX NUTS

FA670	4-40 HEX.....	
FA650	5-40, 1/4" HEX.....	
FA651	6-32 HEX.....	
FA647	6-32 HEX KEPS.....	
FA668	6-32 TEE.....	
FA671	6-32 TEE, 3/16 BARREL.....	

## PARTS LIST/DESCRIPTIONS

### HARDWARE

#### MACHINE SCREWS

PART NO.	DESCRIPTION	PAGE(S)
FA104	3-48 X 1/2 FIL HMS.....	
FA101	3-48 X 7/8 FIL HMS.....	
FA108	4-40 X 1/2 PHMS.....	
FA8	5-40 X 1/4 RHMS.....	
FA1	5-40 X 1/2 RHMS.....	
FA2	5-40 X 5/8 RHMS.....	
FA3	5-40 X 3/4 RHMS.....	
FA100	5-40 X 3/4 FIL HMS.....	
FA7	5-40 X 7/8 RHMS.....	
FA6	5-40 X 1-1/4 RHMS.....	
FA5	5-40 X 1-1/2 RHMS.....	
FA658	5-40 X 1/2 PEM STUD.....	
FA30	6-32 X 3/16 RHMS SEMS.....	
FA32	6-32 X 1/4 RHMS SEMS.....	
FA53	6-32 X 1/4 HWHMS SEMS.....	
FA44	6-32 X 1/4 ROLOK.....	
FA138	6-32 X 1/4 PAN H THD CUT TYPE T.....	
FA46	6-32 X 3/8 RHMS.....	
FA89	6-32 X 3/8 HWHMS.....	
FA45	6-32 X 3/8 ROLOK.....	
FA150	6-32 X 5/16 PHMS.....	
FA34	6-32 X 5/16 RHMS SEMS.....	
FA36	6-32 X 1/2 RHMS.....	
FA37	6-32 X 1/2 RHMS SEMS.....	
FA38	6-32 X 5/8 RHMS.....	
FA47	6-32 X 5/8 FHMS.....	
FA88	6-32 X 3/4 HWHMS.....	
FA29	6-32 X 3/4 HWHMS ROLOK.....	
FA39	6-32 X 3/4 FPHILMS-NYLON PATCH B.O.....	
FA42	6-32 X 1-1/8 FHMS (NP).....	
FA43	6-32 X 1-1/8 OHMS.....	
FA41	6-32 X 1-3/8 RHMS.....	
FA62	8-32 X 1/4 RHMS SEMS.....	
FA64	8-32 X 1/4 HWHMS SEMS.....	
FA99	8-32 X 1/4 HWHMS.....	
FA65	8-32 X 1/4 SHCS.....	
FA67	8-32 X 5/16 HWHMS SEMS.....	
FA68	8-32 X 3/8 RHMS SEMS.....	
FA69	8-32 X 3/8 HWHMS SEMS.....	
FA76	8-32 X 3/8 FHMS.....	
FA74	8-32 X 1/2 RHMS.....	
FA75	8-32 X 5/8 RHMS.....	
FA79	8-32 X 5/8 HWHMS.....	
FA80	8-32 X 1 HWHMS.....	
FA81	8-32 X 1 BUTTON HEAD CAP B.O.....	
FA87	8-32 X 3-1/2 RHMS B.O.....	
FA86	8-32 X 4 RHMS B.O.....	
FA158	8-32 X 3/4 CARR BOLT.....	
FA113	10-24 X 3/4 CARR BOLT.....	
FA134	10-24 X 7/8 RIB NK CARR BOLT.....	
FA162	10-24 X 1 CARR BOLT.....	
FA110	10-24 X 1-1/8 CARR BOLT.....	
FA160	10-24 X 1-1/8 RIB NK CARR BOLT.....	
FA131	10-24 X 1-1/4 HWHMS.....	

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### SCREENED BACKGLASS

PART NO.	DESCRIPTION	PAGE(S)
GL685	RACK' EM UP.....	
GL686	READY AIM FIRE.....	
GL687	JACKS TO OPEN.....	
GL688	TOUCHDOWN.....	
GL689	ALIEN STAR.....	
GL691	THE GAMES.....	
GL692	EL DORADO.....	
GL694	BOUNTY HUNTER.....	
GL695	ICE FEVER.....	
GL696	CHICAGO CUBS "TRIPLE PLAY".....	
GL698	TAG TEAM.....	

### GAME MANUALS

GM667	VOLCANO.....	
GM668	BLACK HOLE.....	
GM669	HAUNTED HOUSE.....	
GM670	DEVIL'S DARE.....	
GM672	ROCKY.....	
GM673	SPIRIT.....	
GM674	PUNK.....	
GM675	STRIKER.....	
GM677	Q*BERTS QUEST.....	
GM680	SUPER ORBIT.....	
GM681	ROYAL FLUSH DELUXE.....	
GM684	AMAZON HUNT.....	
GM685	RACK 'EM UP.....	
GM686	READY AIM FIRE.....	
GM687	JACKS TO OPEN.....	
GM688	TOUCHDOWN.....	
GM689	ALIEN STAR.....	
GM691	THE GAMES.....	
GM692	EL DORADO.....	
GM694	BOUNTY HUNTER.....	
GM695	ICE FEVER.....	
GM696	CHICAGO CUBS "TRIPLE PLAY".....	
GM697	ROCK.....	
GM698	TAG TEAM.....	
GM702	RAVEN.....	
GM703	HOLLYWOOD HEAT.....	
GM704	ROCK ENCORE.....	
GM705	GENESIS.....	

### PARTS CATALOG

GPC	1987 PARTS CATALOG .....	
-----	--------------------------	--

### LAMPS

LA0	LAMP, #44.....	31
LA1	LAMP, #455.....	
LA5	LAMP, #67.....	31

## **PARTS LIST/DESCRIPTIONS**

### HARDWARE

#### HEX NUTS

PART NO.	DESCRIPTION	PAGE (S)
FA660	6-32 ELASTIC STOP.....	
FA652	8-32 HEX.....	
FA662	8-32 TEE.....	
FA661	8-32 ELASTIC STOP.....	
FA663	10-24 HEX.....	
FA655	10-24 HEX KEPS.....	
FA653	10-32 HEX.....	
FA656	10-32 ELASTIC STOP.....	
FA664	1/4-20 HEX.....	
FA649	1/4-20 HEX KEPS.....	
FA657	1/4-20 ELASTIC STOP.....	
FA665	3/8-16 JAM.....	
FA654	3/8-32, 9/16" HEX, 3/32 THK (POT MTG) .....	
FA666	PAL NUT, SC-125.....	

#### WASHERS

FA614	4 FLAT NP.....	
FA627	4 EXT LOCK.....	
FA622	5 FLAT.....	
FA630	5 EXT LOCK.....	
FA615	6 FLAT.....	
FA600	6 FLAT BRASS.....	
FA616	6 FLAT NP.....	
FA631	6 EXT LOCK.....	
FA637	6 INT LOCK.....	
FA618	8 FLAT.....	
FA632	8 EXT LOCK.....	
FA635	8 INT LOCK.....	
FA618	10 FLAT.....	
FA633	10 EXT LOCK.....	
FA619	12 FLAT.....	
FA620	1/4 FLAT.....	
FA621	1/4 SPLIT.....	
FA639	1/4 INT LOCK.....	
FA625	5/16 FLAT.....	
FA640	5/16 INT LOCK.....	
FA638	3/8 INT LOCK.....	
FA641	3/8 INT-EXT LOCK.....	

#### SCREENED BACKGLASS

GL667	VOLCANO.....	
GL668	BLACK HOLE.....	
GL669	HAUNTED HOUSE.....	
GL670	DEVIL'S DARE.....	
GL672	RICKY.....	
GL673	SPIRIT.....	
GL674	PUNK.....	
GL675	STRIKER.....	
GL677	Q*BERTS QUEST.....	
GL680	SUPER ORBIT.....	
GL681	ROYAL FLUSH DELUXE.....	
GL684	AMAZON HUNT.....	

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### PROM KITS

PART NO.	DESCRIPTION	PAGE (S)
PK694	PROM KIT, GA694.....	
PK696	PROM KIT, GA696.....	
PK697	PROM KIT, GA697.....	
PK697A	PROM KIT, GA697A.....	
PK698	PROM KIT, GA698.....	
PK702	PROM KIT, GA702.....	
PK703	PROM KIT, GA703.....	
PK704	PROM KIT, GA704.....	
PK705	PROM KIT, GA705.....	
PK707	PROM KIT, GA707.....	

### SOCKET/CONNECTORS

PS0	SOCKET (131A).....	
PS104	CONN, 09-07-5191 EDGE.....	
PS80	CONN, 03-09-1094 (FEMALE).....	
PS81	CONN, 03-09-1152 (FEMALE).....	
PS82	CONN, 03-09-2092 (MALE).....	
PS83	CONN, 03-09-2153 (MALE).....	
PS84	CONN, 03-09-1042 (FEMALE).....	
PS85	CONN, 03-09-1064 (FEMALE).....	
PS86	CONN, 03-09-1126 (FEMALE).....	
PS87	CONN, 03-09-2042 (MALE).....	
PS88	CONN, 03-09-2062 (MALE).....	
PS89	CONN, 03-09-2121 (MALE).....	
PS97	CONN, 03-09-2032 (MALE).....	
PS98	CONN, 03-06-1152 (FEMALE).....	

### MISCELLANEOUS RUBBER PARTS

RP10	TIP, PLUNGER #48.....	
RP12	BUMPER, RUBBER 2801-W007.....	
RP13	BUMPER, RUBBER FB-197.....	

## PARTS LIST/DESCRIPTIONS

### MANUFACTURED ASSEMBLIES

PART NO.	DESCRIPTION	PAGE(S)
MA114	ASSY, PCB POWER SUPPLY.....	62
MA115	ASSY, PCB 4 DIGIT DISPLAY.....	58
MA116	ASSY, PCB 6 DIGIT DISPLAY.....	58
MA12	ASSY, KNOCKER.....	28
MA121	ASSY, PCB AUX LAMP DRIVER.....	
MA138	ASSY, PCB AUX LAMP DRIVER.....	68
MA149	ASSY, POWER SUPPLY.....	40
MA164	ASSY, PCB RESET.....	54
MA188	ASSY, PCB POWER SUPPLY (VOICE).....	54
MA205	ASSY, KICKING TARGET (RIGHT).....	15
MA205A	ASSY, KICKING TARGET (LEFT).....	15
MA210	ASSY, PCB AUX LAMP DRIVER.....	
MA216	ASSY, PCB SOUND (VOICE).....	52
MA22	ASSY, L FLIPPER, 17875 (1SW).....	
MA228	ASSY, R FLIPPER, 17875 (1SW).....	
MA228A	ASSY, L SM FLIPPER, 17875 (1SW).....	
MA22A	ASSY, R FLIPPER, 17875 (1SW).....	
MA238	ASSY, PCB 7 DIGIT DISPLAY.....	59
MA291	ASSY, PCB CONTROL W/ROMS.....	48
MA295	ASSY, PCB MASTER DRIVER.....	51
MA309	ASSY, PCB SOUND N/CHIP.....	53
MA321A	ASSY, R FLIPPER, 20095 (2SW).....	
MA339	ASSY, PCB AUX LAMP DRIVER.....	
MA352	ASSY 5" BELL W/PLUG.....	28
MA413	ASSY, FRONT MOULDING.....	
MA481	ASSY, PCB AUX POWER SUPPLY.....	
MA483	ASSY, PCB PIGGY BACK.....	
MA488	ASSY, PCB PIGGY BACK.....	
MA490	ASSY, PCB SOUND W/PIGGY BACK.....	55
MA55	ASSY, PCB SOUND SYS 80.....	
MA644	ASSY, PCB A/N DISPLAY (NORITAKE).....	
MA644F	ASSY, PCB A/N DISPLAY (FUTBA).....	
MA645	ASSY, PCB POWER SUPPLY.....	61
MA656	ASSY, L FLIPPER, 24161 (1SW).....	
MA657	ASSY, R FLIPPER, 24161 (2SW).....	
MA689	ASSY, PCB PIGGY BK (CON BD).....	50
MA710	ASSY, R FLIPPER, 24161 (1SW).....	
MA766	ASSY, PCB SOUND/SPEECH.....	56
MA767	ASSY, PCB AUX POWER SUPPLY.....	57
MA774	ASSY, PCB CONTROL.....	49
MA826	ASSY, FRONT MOULDING BLACK.....	
MA831	ASSY, PCB POWER SUPPLY.....	61
MA866	ASSY, PCB AUX LAMP DRIVER.....	63
MA868	ASSY, R FLIPPER, 17875 (2SW).....	
MA91	ASSY, L FLIPPER, 20095 (1SW).....	
MA91A	ASSY, R FLIPPER, 20095 (1SW).....	
MH21	ADJUSTER, LEG 3".....	
MH30	TILT BOB, CARBON.....	28
MP15	BUSHING, SB-312-3.....	15
MP9	SPACER, (PS-8N).....	30
MP16	SPACER, 1/4".....	30
MP17	SPACER, 1-1/4".....	30

# PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

## ELECTRONIC PARTS

### RESISTORS

PART NO.	DESCRIPTION	PAGE(S)
XO158	1W 5% 9.1 OHM.....	
XO159	1W 5% 33 OHM.....	
XO627	2W 5% 1K OHM.....	
XO711	1/4W 1% 28K OHM.....	
XO876	8 OHM 5 WATT.....	
XO878	4 OHM 7 WATT 5%.....	

### POTENTIOMETERS

XO108	3/4W 10% 10K OHM.....
XO109	1/4W 10% 10K OHM.....
XO112	1W 10% 500 OHM.....
XO199	2W 2% 100 OHM.....
XO690	1/2W 10% 10K OHM.....

### DIODES

XO254	1N4004.....
XO255	1N4734A.....
XO257	1N4742A.....
XO258	1N4746A.....
XO260	1N4720.....
XO261	1N4148.....
XO265	1N270 GER.....
XO266	1N5344.....
XO267	1N4759A.....
XO268	CM4-22.....
XO269	1N5225B (1N5987B).....
XO270	MV5752.....
XO843	1N4744A ZEN.....
XO844	1N4737A ZEN.....

### TRANSISTORS

XO146	NSD-U45 DARLINGTON.....
XO301	2N3055 NPN.....
XO303	2N6043 NPN.....
XO304	MPS-A13 NPN.....
XO306	MPS-U45 DARLINGTON.....
XO307	SW4F013.....
XO309	MPS-A70.....
XO311	2N6057.....
XO313	2N4400.....
XO314	2N5550.....
XO315	PMD10K40.....
XO321	2N2907A PNP.....
XO323	2N5879 PNP.....
XO588	2N3906 PNP.....

## PARTS LIST/DESCRIPTIONS

### ELECTRONIC PARTS

#### RESISTORS

PART NO.	DESCRIPTION	PAGE (S)
XO10	1/4W 5% 24K OHM.....	
XO12	1/4W 5% 1.8M OHM.....	
XO13	1/4W 5% 2.7M OHM.....	
XO14	1/4W 5% 2K OHM.....	
XO16	1/4W 5% 2.7 OHM.....	
XO17	1/4W 5% 22.1K OHM.....	
XO173	1/4W 5% 240 OHM.....	
XO175	1/4W 5% 1.2K OHM.....	
XO18	1/4W 5% 10K OHM.....	
XO19	1/4W 5% 5.6K OHM.....	
XO20	1/4W 5% 1.5K OHM.....	
XO21	1/4W 5% 220 OHM.....	
XO23	1/4W 5% 3K OHM.....	
XO24	1/4W 5% 180 OHM.....	
XO25	1/4W 5% 510 OHM.....	
XO27	1/4W 5% 2.2K OHM.....	
XO28	1/4W 5% 100 OHM.....	
XO29	1/4W 5% 20 OHM.....	
XO3	1/4W 5% 62 OHM.....	
XO30	1/4W 5% 47K OHM.....	
XO31	1/4W 5% 820K OHM.....	
XO32	1/4W 5% 10 OHM.....	
XO35	1/4W 5% 470 OHM.....	
XO39	1/4W 5% 3.9K OHM.....	
XO4	1/4W 5% 620 OHM.....	
XO41	1/4W 5% 20K OHM.....	
XO42	1/4W 5% 22K OHM.....	
XO43	1/4W 5% 33K OHM.....	
XO5	1/4W 5% 1K OHM.....	
XO595	1/4W 5% 2.2 OHM.....	
XO6	1/4W 5% 2.7K OHM.....	
XO602	1/4W 5% 270K OHM.....	
XO630	1/4W 5% 7.5K OHM.....	
XO669	1/4W 5% 680K OHM.....	
XO672	1/4W 5% 180K OHM.....	
XO7	1/4W 5% 4.7K OHM.....	
XO73	1/4W 5% 10M OHM.....	
XO748	1/4W 5% 68 OHM.....	
XO8	1/4W 5% 6.8K OHM.....	
XO845	1/4W 5% 390 OHM.....	
XO9	1/4W 5% 12K OHM.....	
XO185	1/2W 5% 220 OHM.....	
XO52	1/2W 5% 100 OHM.....	
XO54	1/2W 5% 430 OHM.....	
XO58	1/2W 5% 1.5K OHM.....	
XO593	1/2W 5% 1 OHM.....	
XO62	1/2W 5% 10K OHM.....	
XO63	1/2W 5% 12K OHM.....	
XO66	1/2W 5% 620 OHM.....	
XO168	RESISTOR PACK, 22K OHM 14 PIN DIP.....	
XO493	RESISTOR PACK, 1K OHM 9 PIN SIP.....	
XO154	5W 10% .33 OHM.....	
XO155	2W 5% 30 OHM.....	
XO156	5W 10% 1.3K OHM.....	

## PARTS LIST/DESCRIPTIONS

**Premier**  
Technology

### ELECTRONIC PARTS

#### INTEGRATED CIRCUITS

PART NO.	DESCRIPTION	PAGE(S)
XO405	7416.....	
XO406	7417.....	
XO407	7432.....	
XO408	7448.....	
XO409	74154.....	
XO410	74175.....	
XO117	74LS244.....	
XO394	74LS75.....	
XO411	74LS05.....	
XO418	74LS04.....	
XO419	74LS139.....	
XO427	74LS00.....	
XO434	74LS74.....	
XO437	74LS138.....	
XO445	74LS373.....	
XO629	74LS112.....	
XO79	74LS245.....	
XO93	74LS260.....	
XO872	74HC08.....	
XO359	R6530.....	
XO401	SCL4081BE.....	
XO414	SCL4528BE.....	
XO424	SCL4069B.....	
XO395	AUDIO AMP, LM379S.....	
XO422	REGULATOR, UA723CN.....	
XO473	REGULATOR, LM340T-12.....	
XO550	AUDIO AMP, LM2002.....	
XO644	QUAD AMP, LM324.....	
XO839	REGULATOR, LM338 (5 AMP).....	
PR51	PROM, SOUND HM7643.....	
PR53	E PROM, 2716.....	
XO191	RAM 2KX8 200NS STATIC-CMOS.....	
XO326	ROM 2332 4KX8 450NS (U2).....	
XO327	ROM 2332 4KX8 450NS (U3).....	
XO356	RAM 5101L-1.....	
XO358	ROM/RAM R6530-3014-12.....	
XO489	EPROM 2764 8KX8 300NS.....	
XO357	CPU R6503.....	
XO360	CPU R6502.....	
XO361	CPU R6532.....	
XO415	DISPLAY DRIVER, UDN6118A.....	
XO416	CONVERTER, 1408A-6P.....	
XO451	SCR, S107Y1 30V.....	
XO468	VOICE CHIP, SC01.....	
XO631	TIMER, NE555.....	
XO632	AMPLIFIER, LM380N.....	
XO645	SPEECH GEN., SPO 250.....	
XO646	SOUND GEN., AY-3-8913.....	
XO647	MULTIPLIER DAC, AD 7528J.....	
XO841	CONTROLLER, 10939P.....	
XO842	CONTROLLER, 10941P.....	



## PARTS LIST/DESCRIPTIONS

### ELECTRONIC PARTS

#### CAPACITORS

PART NO.	DESCRIPTION	PAGE(S)
XO206	100V 1 MFD AX.....	
XO211	10V 100 MFD AX.....	
XO225	25V 10 MFD AX.....	
XO231	100V 47 MFD AX.....	
XO233	100V 470 MFD AX.....	
XO846	16V 10 MFD AX.....	
XO847	50V 470 MFD AX.....	
XO127	25V 10 MFD 20% AX.....	
XO209	10V 10 MFD 20% AX.....	
XO226	10V 4.7 MFD 10% AX.....	
XO715	35V 1 MFD 10% AX.....	
XO229	50V .01 MFD +80-20% AX.....	
XO230	50V .1 MFD +80-20% AX.....	
XO633	50V 22 PFD 10% AX MONO.....	
XO635	50V 10 PFD +80-20% AX MON.....	
XO636	50V 68 PFD 10% AX MONO.....	
XO638	50V .047 MFD 20% AX MONO.....	
XO696	50V .01 MFD 10% AX-CERAMIC.....	
XO873	50V .022 MFD 10% AX.....	
XO210	50V 47 MFD RD.....	
XO214	10V 470 MFD RD.....	
XO219	25V 47 MFD RD.....	
XO220	25V 470 MFD RD.....	
XO227	10V 47 MFD RD.....	
XO284	35V 470 MFD RD.....	
XO290	50V 2200 MFD RD.....	
XO874	25V 1000 MFD RD.....	
XO217	50V 1 MFD 10% RD.....	
XO202	100V .01 MFD 20% RD.....	
XO205	16V .2 MFD +80-20% RD.....	
XO221	1000V 10 PFD 5% RD.....	
XO222	25V .047 MFD 20% RD.....	
XO223	250V 100 PFD 20% RD.....	
XO224	50V .0033 MFD 20% RD.....	
XO232	50V 1000 PFD 20% RD.....	
XO248	25V .1 MFD +80%-20% RD.....	
XO277	50V 33 PFD 10% RD.....	
XO283	50V 300 PFD 20% RD.....	
XO294	50V 1 MFD 20% RD.....	
XO626	100V .1 MFD 20% RD.....	
XO830	25V 10K MFD RD.....	

#### INTEGRATED CIRCUITS

XO192	74161.....
XO393	741CP.....
XO398	74123.....
XO402	7404.....
XO403	7405.....
XO404	7408.....

## **NOTES**

## PARTS LIST/DESCRIPTIONS

### ELECTRONIC PARTS

#### DISPLAYS

PART NO.	DESCRIPTION	PAGE(S)
XO454	TUBE, 6 DIGIT DISPLAY.....	
XO455	TUBE, 4 DIGIT DISPLAY.....	
XO477	TUBE, 7 DIGIT DISPLAY.....	
XO840	TUBE, FG209M2 ALPHA/NUMERIC.....	
XO870	TUBE, A/N (FUTABA).....	

#### MISCELLANEOUS PARTS

XO365	SWITCH, PUSHBUTTON (MDP).....	
XO366	CRYSTAL, 4.0 MHZ CTS.....	
XO456	CRYSTAL, 3.579545 MHZ.....	
XO458	BATTERY, NR-1/3AAF3-P1.....	
XO505	SWITCH, DIP 1008-692.....	
XO515	SWITCH, PUSHBUTTON EVQ-PAR-11K.....	
XO516	SWITCH, DIP 76SB02 (2 POS).....	
XO639	CRYSTAL, 3.12 MHZ CTS.....	
XO640	SWITCH, DIP 4 POS 8 PIN.....	
XO877	GE VARISTOR.....	
XO180	WAFER, 09-65-1061.....	
XO373	WAFER, 09-67-1063.....	
XO470	PLUG, 40 PIN (AUGAT #1140-362).....	
XO525	WAFER, 2802-6A-2 (W/VOIDS).....	
XO526	WAFER, 2802-7A-2 (W/VOIDS).....	
XO527	WAFER, 2802-9A-2 (W/VOIDS).....	
XO531	WAFER, 09-74-1101.....	
XO532	WAFER, 09-74-1041.....	
XO850	HEADER, 12 POS 1100-1-112-04.....	
XO858	HEADER, 12 POS 1100-1-112-03.....	
XO868	WAFER, 09-74-1061.....	
XO871	WAFER, 09-18-5992.....	
XO507	SOCKET, PROM 640359-3.....	
XO529	SOCKET, 24 PIN 2-640361-3.....	
XO530	SOCKET, 40 PIN 2-640379-3.....	
XO536	SOCKET, 28 PIN 2-640362-3.....	
XO619	SOCKET, 14 PIN WIRE WRAP.....	
XO710	SOCKET, 40 PIN WIRE WRAP.....	
21938	PROTECTOR, TIP.....	
24290	STRIP, NEOPRENE 1/2" X 3-1/2".....	
24497	TAPE, FOAM (DOUBLE COATED).....	
XO126	HEAT SINK, 6043PB.....	
XO469	JUMPER, 22 GA SLD COP TIN PLT.....	
XO472	HEAT SINK, 6038.....	
XO474	INSULATOR, SM-66-52-12.....	
XO475	WASHER, SHOULDER NY-04-073GF.....	
XO495	COMPOUND, RTV.....	
XO513	TAPE, FOAM 1R=1296.....	
XO522	INSULATOR, INS-3.....	
XO523	INSULATOR, DM111.....	
XO528	HEAT SINK, 287-1AB.....	
XO534	HEAT SINK, 403-A.....	
XO540	HEAT SINK, 635-1, OB2.....	

**NOTES**

## NOTES