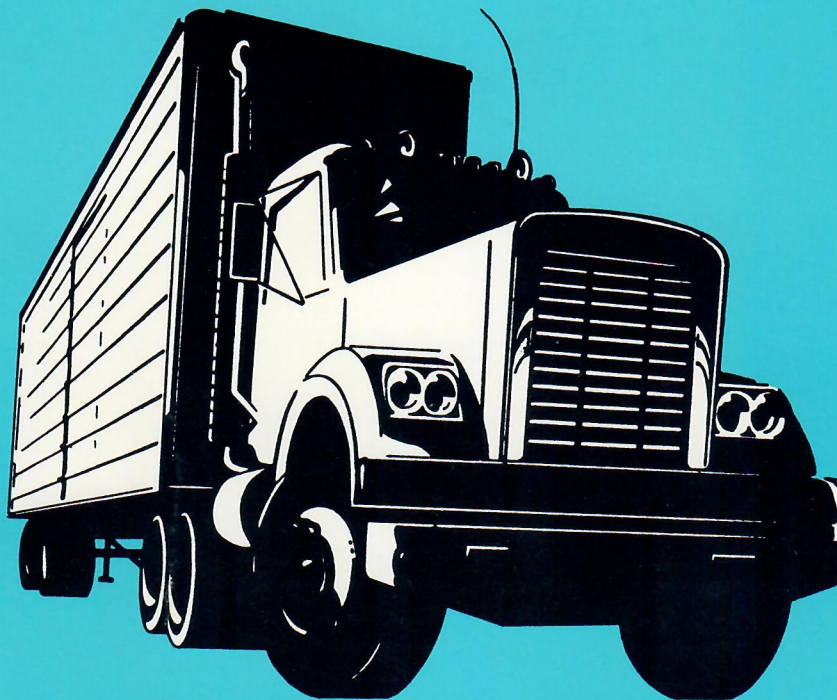


16-2001-102
January 13, 1989



PARTS MANUAL



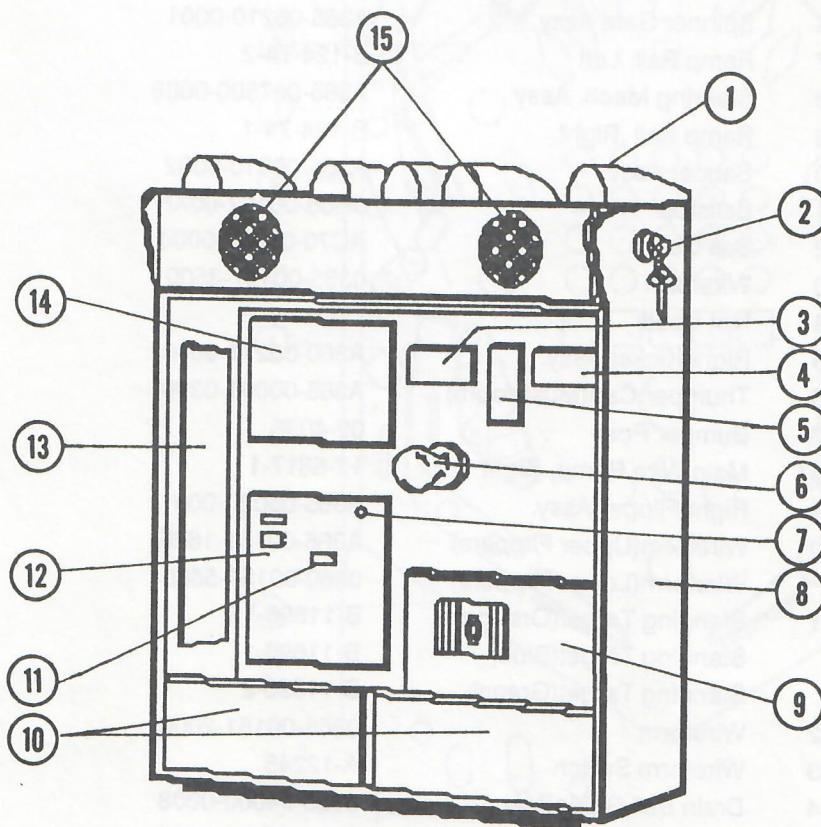
MIDWAY MANUFACTURING CO.
Manufacturers of BALLY Amusement Games
3401 N. California Avenue
Chicago, IL 60618
(312) 267-2240

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BACKBOX ASSEMBLY

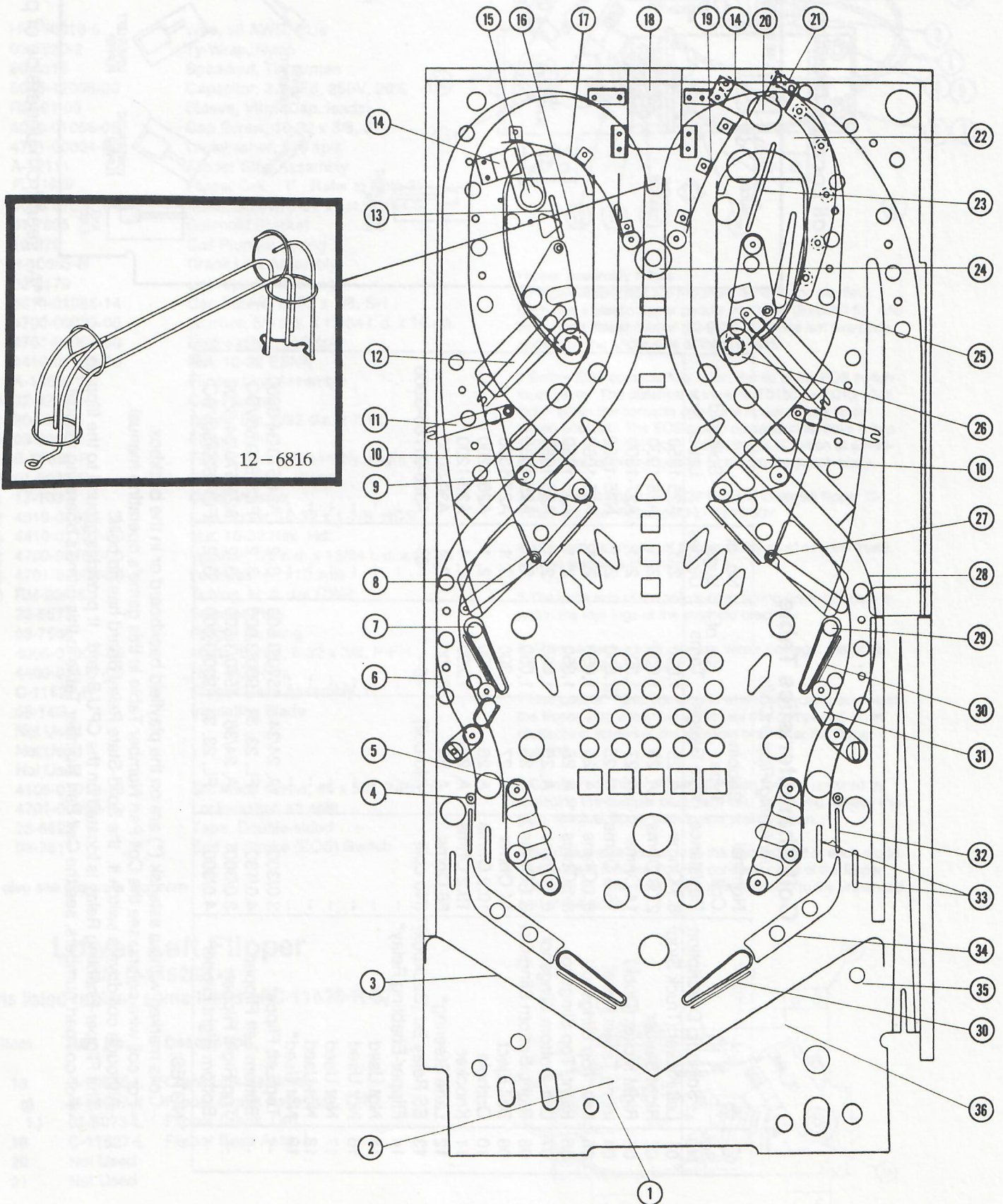
ITEM	DESCRIPTION	PART NUMBER
1	Truck Lights	0365-17042-5091
2	Key	0017-00004-0182
3	Sound Interface Board	C-12417
4	Flipper Power Supply Board	C-9939
5	Solid State Relay Board	B080-91878-A000
6	Incandescent Lamp(34 W)	0017-00003-0615
7	Diagnostic LED	119E-00001-0001
8	Backbox	2001-BB
9	Main Power Board Assy.(50 VDC)	A084-91785-AH08
10	Dual Display Module	A084-91851-H000
11	Reset(NMI) Switch	0017-00032-0038
12	Control Board	A084-91786-AH08
13	Bright Lights Fuse Board	A084-91901-AH08
14	Sound Board	D-11581-2001
15	Speaker Panel Assy.	B-12437
	Speaker 5-1/4" 4 Ohm	0017-00003-0570
	Speaker 4" piezo 50 W	5555-12068-00



PLAYFIELD PARTS

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Outhole Kicker	A360-00234-0000	1
2	Ball Return Guide	0365-00190-00XF	1
3	Bottom Arch Extension	0365-04500-0003	1
4	Metal Ball Post #10	0360-00732-00XF	2
5	Cylindrical Plastic Post	0365-17042-2201	11
6	Main Wire Ramp ,Left	12-6817-2	1
7	Left Flipper Assy.	A365-05040-0001	2
8	Ball Gate Assy.	B-12468-1	2
9	Cone Shaped Plastic Post	0017-00101-0585	13
10	Slingshot Kicker Assy.	A365-05210-0001	4
11	Ball Gate Assy.	A365-06100-0018	2
12	Ball Gate Assy.	B-12460-1	2
13	Wireform	0365-00157-1625	1
14	Ballstop	0365-02700-0056	2
15	Elevator(Vert.Kicker)Assy.	A365-05250-0003	1
16	Spinner Gate Assy.	A365-06210-0001	1
17	Ramp Rail, Left	B-124-74-2	1
18	Steering Mech. Assy.	A365-007500-0008	1
19	Ramp Rail ,Right	B-124-74-1	1
20	Saucer Assy.	A365-05310-0002	1
21	Ballstop	0H05-00107-00XF	1
22	Ball Gate	AC70-00027-0000	1
23	Wireform	0365-00157-3500	1
24	Not Used		
25	Right Kicker Assy.	A360-00211-0000	1
26	Thumper Cap(Mushroom)	A365-00091-0300	2
27	Bumper Post	02-4036	2
28	Main Wire Ramp, Right	12-6817-1	1
29	Right Flipper Assy.	A365-05030-0001	2
30	Wireform(Upper Flippers)	A365-00151-1625	2
	Wireform(Lower Flippers)	0360-00157-5300	2
31	Standing Target(Orange)	B-11696-15	2
	Standing Target(Blue)	B-11696-1	6
	Standing Target(Green)	B-11696-2	1
32	Wireform	0365-00151-2000	3
33	Wireform Switch	A-12245	4
34	Drain Ball Guide(Metal)	0365-04000-0008	2
35	Ball Eject	A365-05800-0001	1
36	Optical Multiball Trough	A365-00347-0000	1

PLAYFIELD PARTS LOCATION DRAWING



TRUCK STOP 3

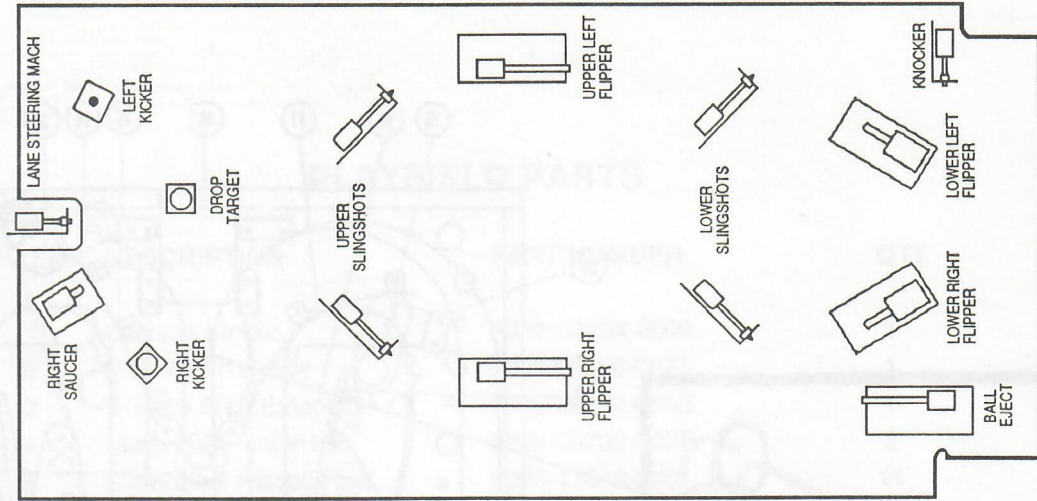
Coil Characteristics Table
including Flipper Coils

Sol. No.	Solenoid Description	Nominal Coil Resistance	Bobbin Type, Wire Gauge	No. of Turns	No. of Lugs, Diodes	Solenoid Label No.
01	Left Kicker (Truck Stop)	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
02	Right Saucer	27.9 Ohms	A, 28	1,900	2, 1	A28-1900
03	Right Kicker (Dock)	14 Ohms	A, 27	1,300	2, 1	A27-1300
04	Inline Target Reset	15.5 Ohms	N, 25	1,600	2, 1	N25-1600
05	Left, Top Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
06	Right, Top Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
07	Left, Bottom Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
08	Right, Bottom Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
09	Ball Eject	14 Ohms	A, 27	1,300	2, 1	A27-1300
10	Outhole	10.2 Ohms	A, 26	1,200	2, 1	A26-1200
11	Knocker	10.2 Ohms	A, 26	1,200	2, 1	A26-1200
12	Lane Steering*	66 Ohms	A, 30	3,000	2, 1	A30-3000
13	SS Relay Bd (Backbox)*	(No coil)	(No coil)	--0--	--0--	A080-91786-G000
14	Flipper-Enabling Relay*	--	--	--	--	--
15	Not Used	--	--	--	--	--
16	Not Used	--	--	--	--	--
17	Not Used	--	--	--	--	--
18	Not Used	--	--	--	--	--
19	Not Used*	--	--	--	--	--
--	Top Left Flipper	3.0/300	A, 24/34	570/3,600	3, 2	A24-570/34-3600
--	Bottom Left Flipper	4.0/130	FL, 23, 31	900/3,000	3, 2	FL11629/50VDC
--	Top Right Flipper	3.0/300	A, 24/36	570/3,600	3, 2	A24-570/34-3600
--	Bottom Right Flipper	4.0/300	FL, 23, 31	900/3,000	3, 2	FL11629/50VDC

NOTES:

- Coils marked with an asterisk (*) are on the playfield backboard or in the backbox.
- For coil wire colors, see the Coil Part Number Table in this game's operating manual.
- Although coil drivers switch it, the Solid-State Relay Board has no coils.
- The Flipper-Enabling Relay is located on the CPU Board. It provides ground to the flippers.
- For coil part numbers, see the Coil Part Number Table in this game's operating manual.

Coil Location Drawing **



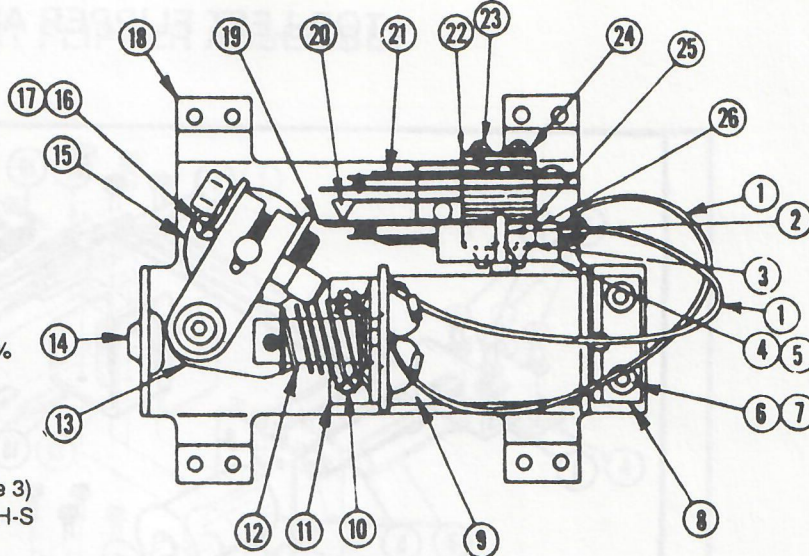
**As seen from underside of playfield

Lower Right Flipper

p/n C-11626-R-3

Item	Part No.	Description
1	HW-30018-6	Wire, 18 AWG, Blue
2	03-7520-2	Ty-Wrap, Nylon
3	20-6516	Speednut, Tinnerman
4	5045-12098-00	Capacitor, 2.2 μ Fd, 250V, 20%
5	RM-21-06	Sleeve, Vinyl (Cap. leads)
6	4010-01066-06	Cap Screw, 10-32 x 3/8, SH
7	4701-00004-00	Lockwasher, #10 split
8	A-12111	Flipper Stop Assembly
9	FL-11629	Flipper Coil (* - Refer to Note 3)
10	4006-01017-04	Mach. Screw, 6-32 x 1/4, P-RH-S
11	01-7695	Solenoid Bracket
12	10-376	Coil Plunger Spring
13	B-10655-R	Crank Link Assembly
a)	02-4179	Link Spacer Bushing
b)	4010-01086-14	Cap Screw, 10-32 x 7/8, SH
c)	4700-00023-00	Washer, 5/8 o.d. x 13/64 i. d. x 16 ga.
d)	4701-00004-00	Lockwasher, #10 split
e)	4410-01132-00	Nut, 10-32 ESNA
f)	A-10656**	Flipper Link Assembly
1.)	02-4219	Coil Plunger
2.)	20-9370-1	Spring Pin, 5/32 dia. x 7/16
3.)	03-8050-1	Flipper Link
g)	B-10657-R	Flipper Crank Assembly, Right
1.)	01-8073-R	Flipper Crank, Right
2.)	17-1037	Crank Washer
3.)	4010-01066-18	Cap Screw, 10-32 x 1-1/8, HCS
4.)	4410-01127-00	Nut, 10-32 Hex Hd.
5.)	4700-00107-00	Washer, 5/8 o.d. x 13/64 i. d. x 12 ga
6.)	4701-00004-00	Lockwasher, #10 split
7.)	RM-23-06	Tubing, H. S. 1/4 DWP
14	23-6577	Bumper Plug
15	03-7568	Flipper Bushing
16	4006-01005-06	Mach. Screw, 6-32 x 3/8, P-PH
17	4406-01117-00	Nut, 6-32 Hex
18	C-11627-R	Flipper Base Assembly, R.
19	06-14G	Insulating Blade
20	Not Used	
21	Not Used	
22	Not Used	
23	4105-01019-10	Sh. Metal Screw, #5 x 5/8, P-PH-A
24	4701-00002-00	Lockwasher, #6 split
25	23-6622	Tape, Double-sided
26	03-7811	End of Stroke (EOS) Switch

** - also see separate diagram



Flipper Assembly Notes

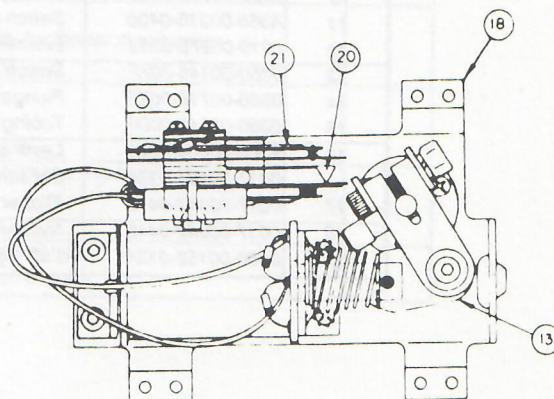
1. Flipper assemblies are mounted beneath the playfield. Each has a plastic flipper paddle and shaft (20-9250-5). And each has a flipper rubber (23-6519-4). These last two parts appear on the upper side of the playfield.
2. Before EOS contacts fully open, the tip of the EOS switch must travel. The distance of travel is 0.0150 (+0.010, -0.0) inch. When the contacts open, the flipper attains its actuated position. The EOS switch contacts must have a gap of 0.062 (+/- 0.015) inch. Adjust the EOS Switch at a minimum distance of one quarter inch from the switch body.
3. Lower right flipper C-11626-R-2 and lower left flipper C-11626-L-2 use flipper coil FL-11629/50V.
4. All moving elements of the assembly must operate freely, with no evidence of binding.
5. The large end of the coil plunger spring (item 12) must fit within the four lugs of the solenoid bracket.
6. When replacing coils, prevent screw damage! Remove the solenoid bracket (item 11).
7. Use Loctite™ 242 compound when reattaching screws to the flipper stop assembly. Also use this compound when reattaching screws to the solenoid bracket or the flipper bushing.
8. Sometimes proper flipper operation may be restored by replacing the bumper plug (item 14). When you replace this plug, readjust flipper paddle and shaft position.
9. Solid blue wire connects to the banded end of each diode. The diode is mounted on the connector end of the flipper coil (item 9). The trace color wire connects to the unbanded end of the diode.

Lower Left Flipper

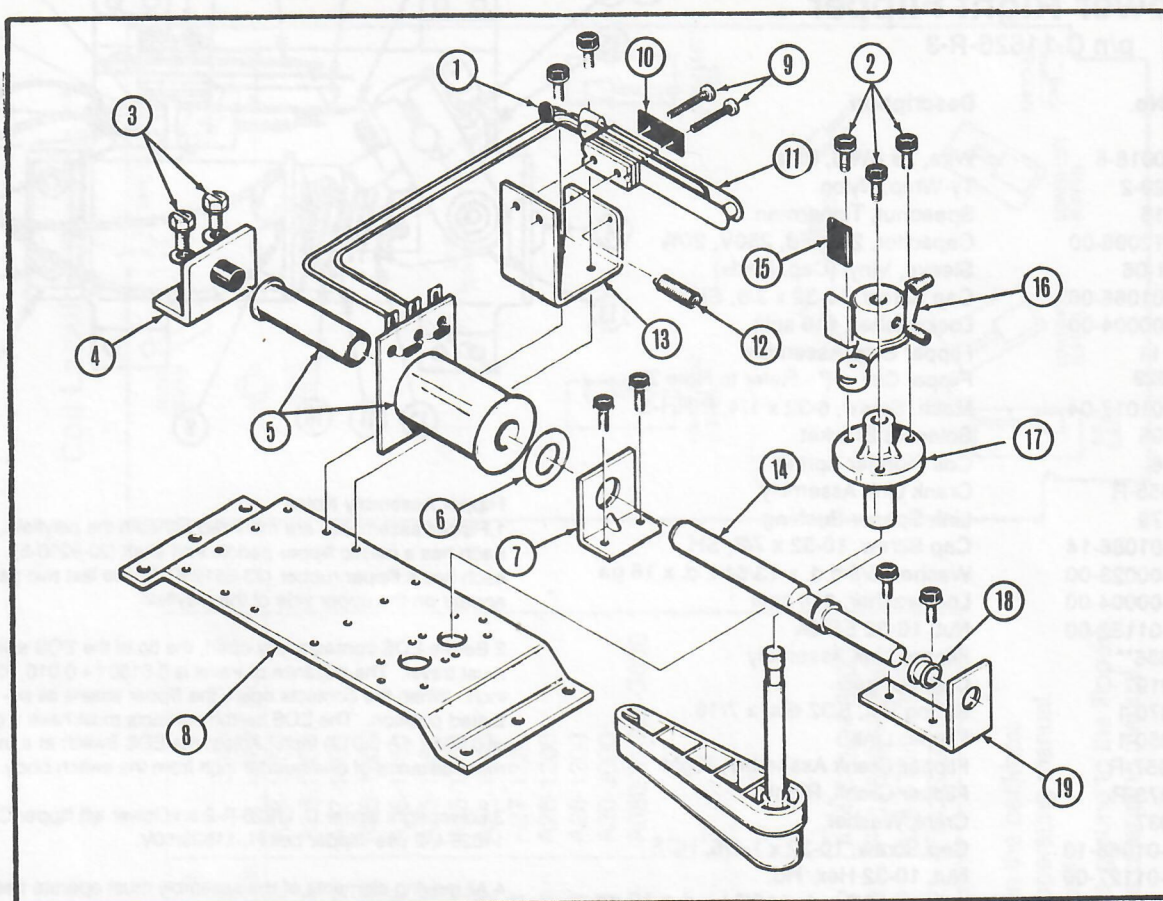
p/n C-11626-L-3

(Parts listed replace same items of C-11626-R-3)

Item	Part No.	Description
13	B-10655-L	Crank Link Assembly
g)	B-10657-L	Flipper Crank Assembly, Left
1.)	01-8073-L	Flipper Crank, Left
18	C-11627-L	Flipper Base Assy, L.
20	Not Used	
21	Not Used	



TOP-LEFT FLIPPER ASSEMBLY

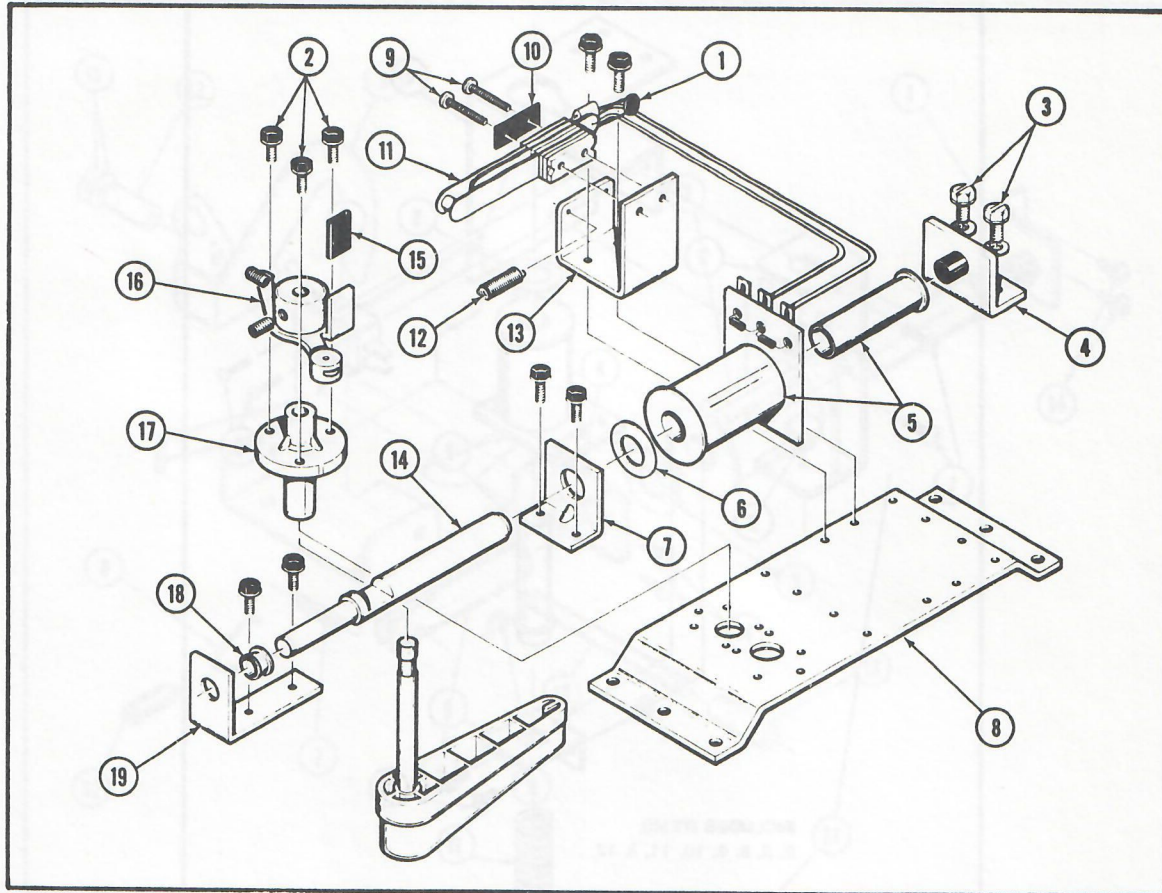


Flipper Assembly Parts List--Single Switch, Top-Left Flipper

Part No. A365-05040-0001

Item	Part Number	Description	Qty
1	0171-097P6-AXPC	Capacitor: 0.01uF/500V ceramic disc	1
2	0017-00101-0184	#8-32 x 3/8" hex head screw	9
3	0017-00101-0816	#10-32 x 3/8" slotted hex head screw	2
4	A365-00024-0000	Core plug and bracket assembly	1
5	AC70-00026-0000	Coil and tubing assembly: 3-lug	1
	A365-00067-0021	Coil: 3-lug	1
	0017-00041-0605	Tubing: Coil, L = 1.686 x 5/8"	1
	5070-09054-00	Diode, 1N4004GP, 400VAC, 1A	2
6	0017-00104-0073	Washer: Spring: 0.515" ID, 0.875" OD, 0.13" th.	1
7	0360-00318-00XF	Coil bracket	1
8	0365-00101-00XF	Flipper mounting bracket	1
9	4005-01016-07	#5-40 x 7/16" Phillips round head screw	2
10	0020-00202-0000	Switchplate	1
11	A365-00315-0400	Switch assembly for flipper mechanism	1
12	0010-00275-0353	Extension spring	1
13	0360-00145-00XF	Switch bracket	1
14	0360-00718-00XF	Plunger	1
15	0360-00945-0000	Tubing: 5/16 x 1/2"	1
16	A360-00038-0000	Lever arm hub and cap assembly: left	1
	0017-00101-0186	Set screw	2
17	0017-00042-0413	Flipper bearing	1
18	0017-00042-0418	Nyliner: snap-in coil type	1
19	0360-00152-01XF	Left flipper stop bracket	1

TOP-RIGHT FLIPPER ASSEMBLY



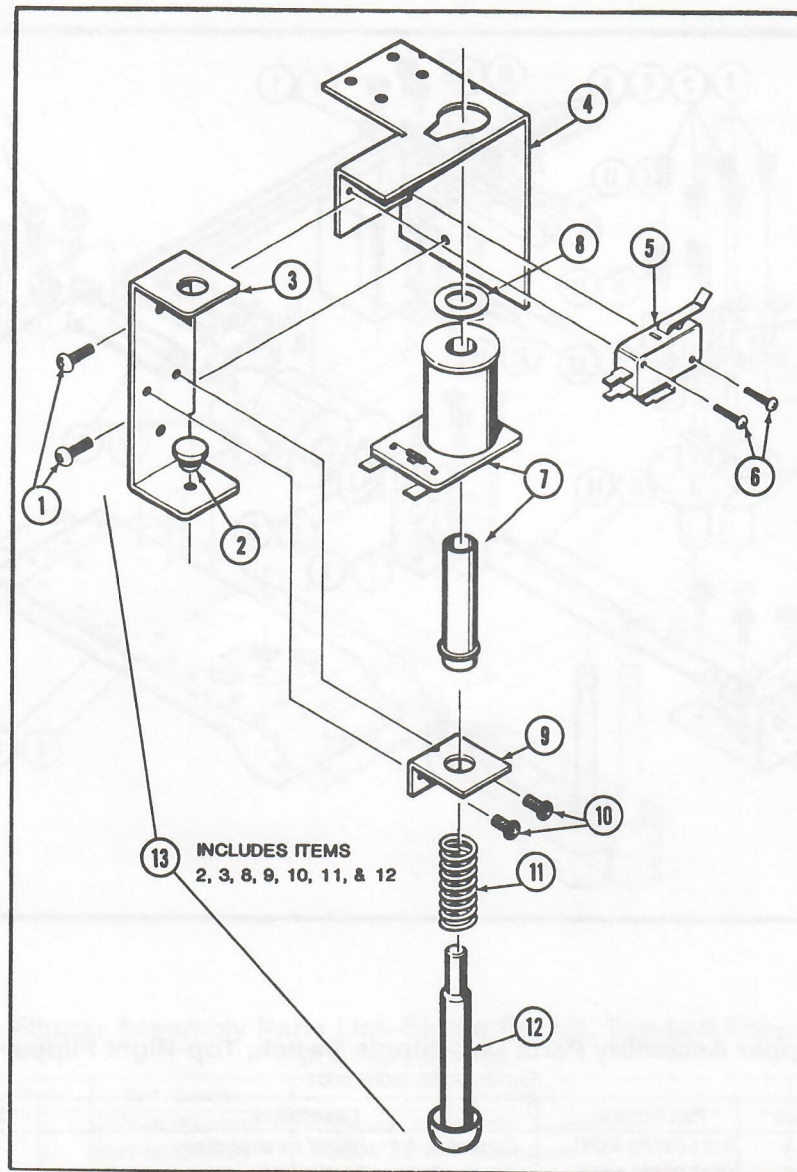
Flipper Assembly Parts List--Single Switch, Top-Right Flipper

Part No. A365-05030-0001

Item	Part Number	Description	Qty
1	0171-097P6-AXPC	Capacitor: 0.01uF/500V ceramic disc	1
2	0017-00101-0184	#8-32 x 3/8" hex head screw	9
3	0017-00101-0816	#10-32 x 3/8" slotted hex head screw	2
4	A365-00024-0000	Core plug and bracket assembly	1
5	AC70-00026-0000	Coil and tubing assembly: 3-lug	1
	A365-00067-0021	Coil: 3-lug	1
	0017-00041-0605	Tubing: Coil, L = 1.686 x 5/8"	1
	5070-09054-00	Diode, 1N4004GP, 400VAC, 1A	2
6	0017-00104-0073	Washer: Spring: 0.515" ID, 0.875" OD, 0.13" th.	1
7	0360-00318-00XF	Coil bracket	1
8	0365-00101-00XF	Flipper mounting bracket	1
9	4005-01016-07	#5-40 x 7/16" Phillips round head screw	2
10	0020-00202-0000	Switchplate	1
11	A365-00315-0400	Switch assembly for flipper mechanism	1
12	0010-00275-0353	Extension spring	1
13	0360-00145-00XF	Switch bracket	1
14	0360-00718-00XF	Plunger	1
15	0360-00945-0000	Tubing: 5/16 x 1/2"	1
16	A360-00039-0000	Lever arm hub and cap assembly: right	1
	0017-00101-0186	Set screw	2
17	0017-00042-0413	Flipper bearing	1
18	0017-00042-0418	Nyliner: snap-in coil type	1
19	0360-00152-02XF	Right flipper stop bracket	1

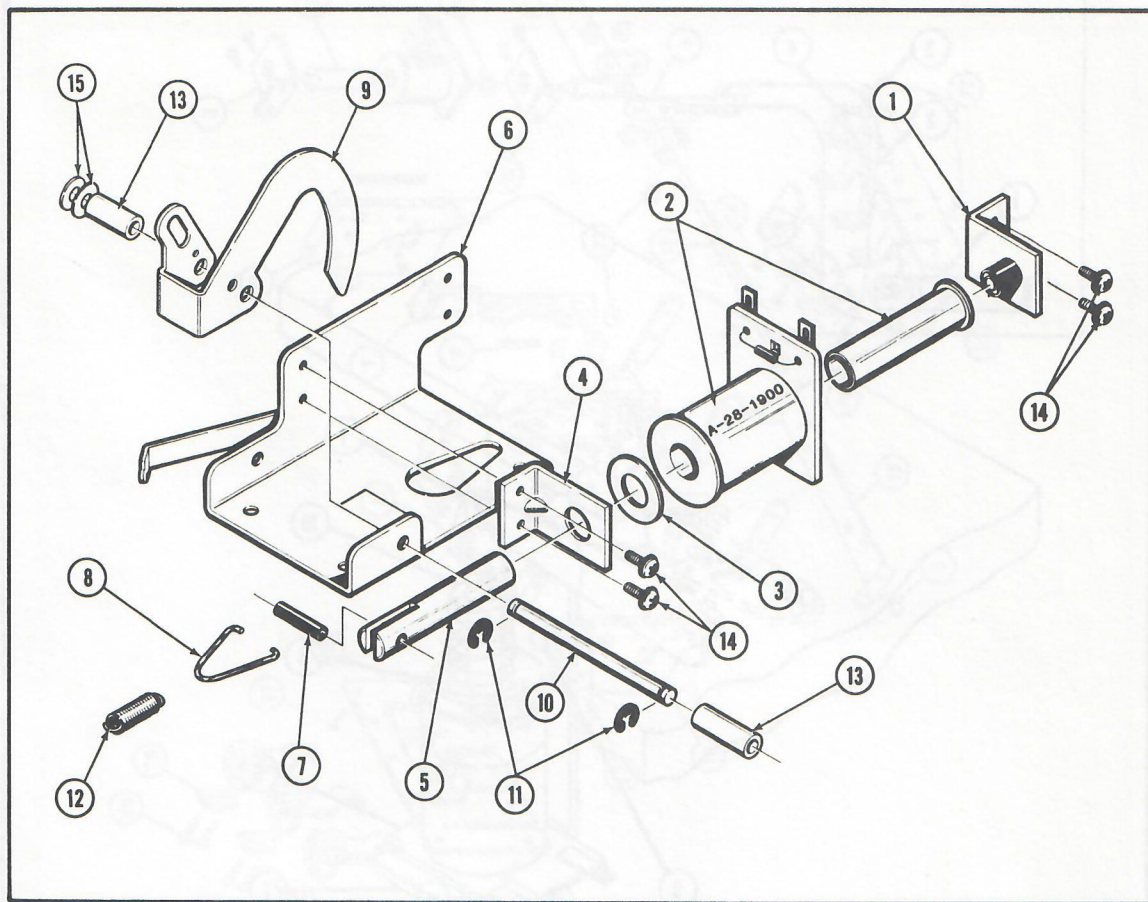
VERTICAL(LEFT) KICKER ASSEMBLY

A365-5250-0003



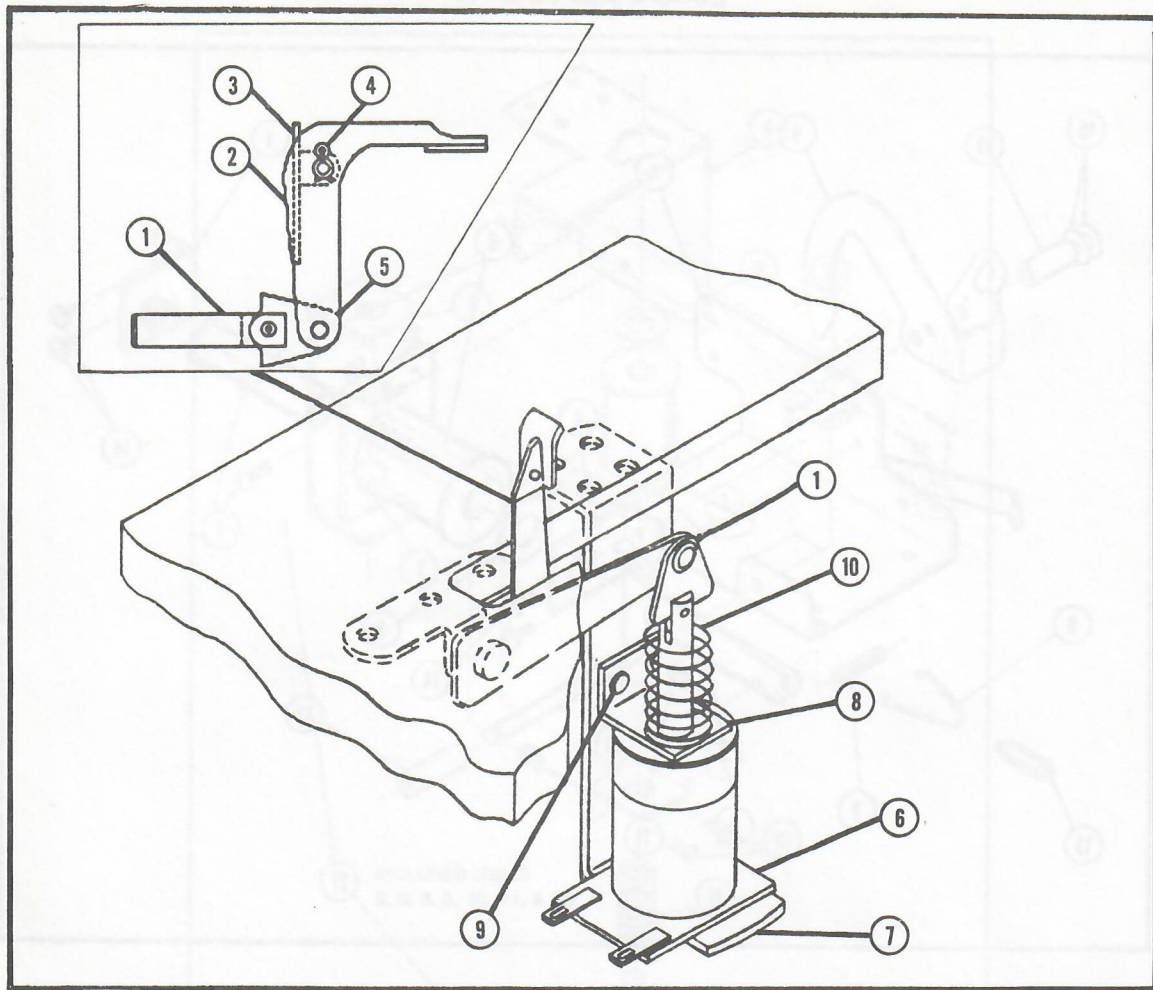
ITEM	DESCRIPTION	PART NUMBER	QTY
1	Phl. Round Head #8-32x5/8"	0017-00101-0462	2
2	Bumper Plug, Black	0017-00041-0635	1
3	Coil Frame	0360-00909-00XF	1
4	Coil Bracket	0360-00318-00XF	1
5	Microswitch	0017-00032-0162	1
6	Phl. Pan Head #4-40x9/16"	0017-00101-0155	2
7	Coil & Tubing Assembly	0365-08700-0002	1
	Coil: 2 Lug	0365-00067-0029	1
	Tubing: L = 1.844x5/8"	0017-00041-0611	1
	Diode: 1N4004GP, 400V. 1.0A	5070-09054-00	1
8	Spring Washer: .515"ID,.875"OD,.013TH	0017-00104-0073	1
9	Coil Bracket	0H05-00112-00XF	1
10	Phl. Pan Head #8-32x1/4"	0017-00101-0161	2
11	Compression Spring	0010-00274-0212	1
12	Plunger & Striker Assy.	A360-00011-00XF	1
	Plunger	0360-00716-00XF	1
	Striker	0360-00724-0000	1
13	Ball Kicker Assy.	A365-05250-0002	1

SAUCER ASSEMBLY A365-05310-0002



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Core Plug & Bracket Assy.	A365-07000-0002	1
2	Coil & Tubing Assy.	A360-00012-0000	1
	Coil: 2 Lug	AH01-00049-0000	1
	Diode: 1N400GP, 400V, 1.0A	5070-09054-00	1
	Tubing: 1.686x5/8" Flange	0017-00041-0605	1
3	Spring Washer:	0017-00104-0073	1
	.515"ID,.875"OD,.013 TH.		
4	Coil Bracket	0365-02505-0001	1
5	Plunger	A365-05312-0001	1
6	Mounting Bracket Assy.	A365-05311-0001	1
7	Roll Pin 3/16" Dia.x5/8"	0017-00007-0089	1
8	Spring Retainer Wire Form	0365-03750-0001	1
9	Kicker Assy.	A365-05312-0001	1
	Kicker Arm	0365-02950-0001	1
10	Shaft	0360-00708-00XF	1
11	E-Ring 3/16"	0017-00100-0110	2
12	Extension Spring	0365-03600-0002	1
13	Bushing, PVC	0365-17042-2001	2
14	Phl. Round Head #6-32x1/4"	0017-00101-0134	4
15	Flat Washer:	0017-00104-0022	2
	...1.93"ID,.437"OD,.046"TH		

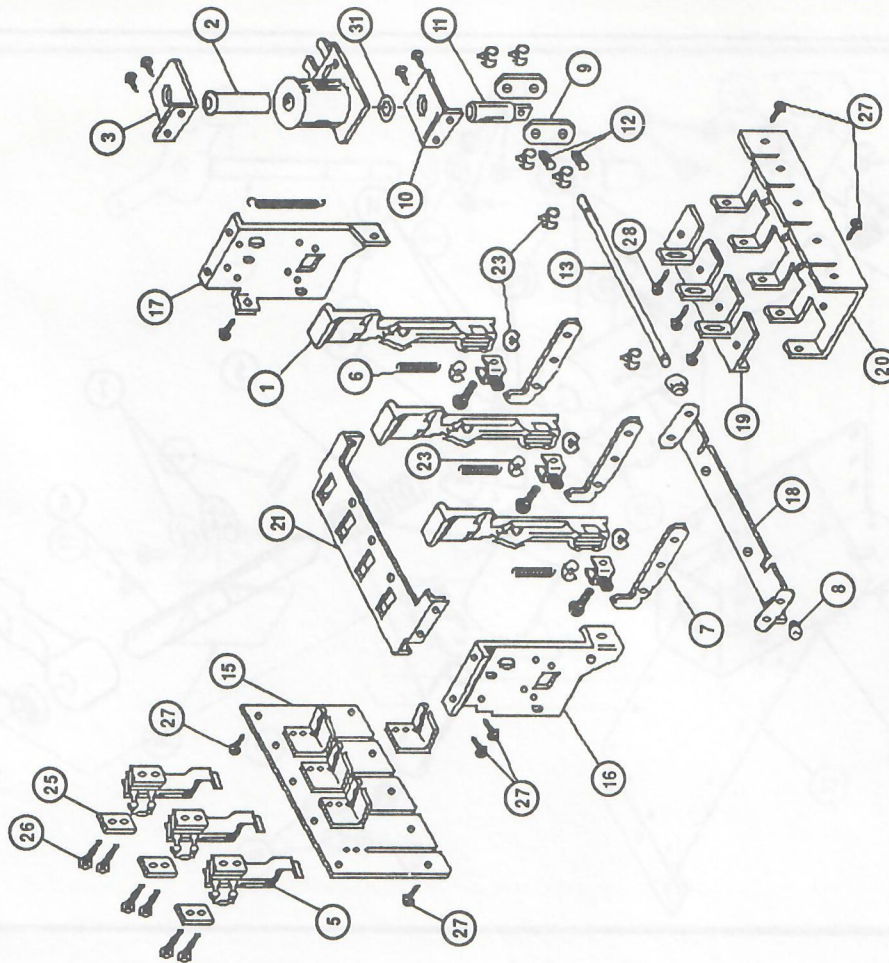
RIGHT KICKER(DOCK) ASSEMBLY



ITEM	DESCRIPTION	PART NUMBER	QTY
	KICKER ASSY.:	B-11385-1	
1	Coil Plunger Assy.	A-5103	1
	Coil Plunger	02-2364	1
	Armature Link	03-8085	1
	Roll Pin 1/8"x7/16"	20-8716-5	1
2	Kicker Crank Assy.	A-5652-1	1
3	Kicker Mounting Assy.	A-11396	1
4	Hairpin Clip	12-6227	2
5	Flat Washer: .265x.500x.067	4700-00030-00	1
	COIL & BRACKET ASSY.:	B-9362-R-2	
6	Coil & Tubing Assy.: 2 Lug	A360-00211-0000	1
	Coil: 2 Lug	A365-00067-0008	1
	Diode,1N4004GP, 400V, 1.0A	5070-09054-00	1
	Coil Tubing:1.686x5/8"	0017-00041-0605	1
7	Bracket & Stop Assy.	B-7572-1	1
	Mounting Bracket,1"	01-1748-1	1
	Collar	02-3058-1	1
	Armature Stop, .375	02-3540-1	1
8	Coil Retaining Bracket	01-8-508-S	1
9	Phl. Round Head #6-32x3/8"	4006-01017-06	2
10	Kicker Compression Spring	10-128	1

DROP TARGET ASSEMBLY A365-05544-0023

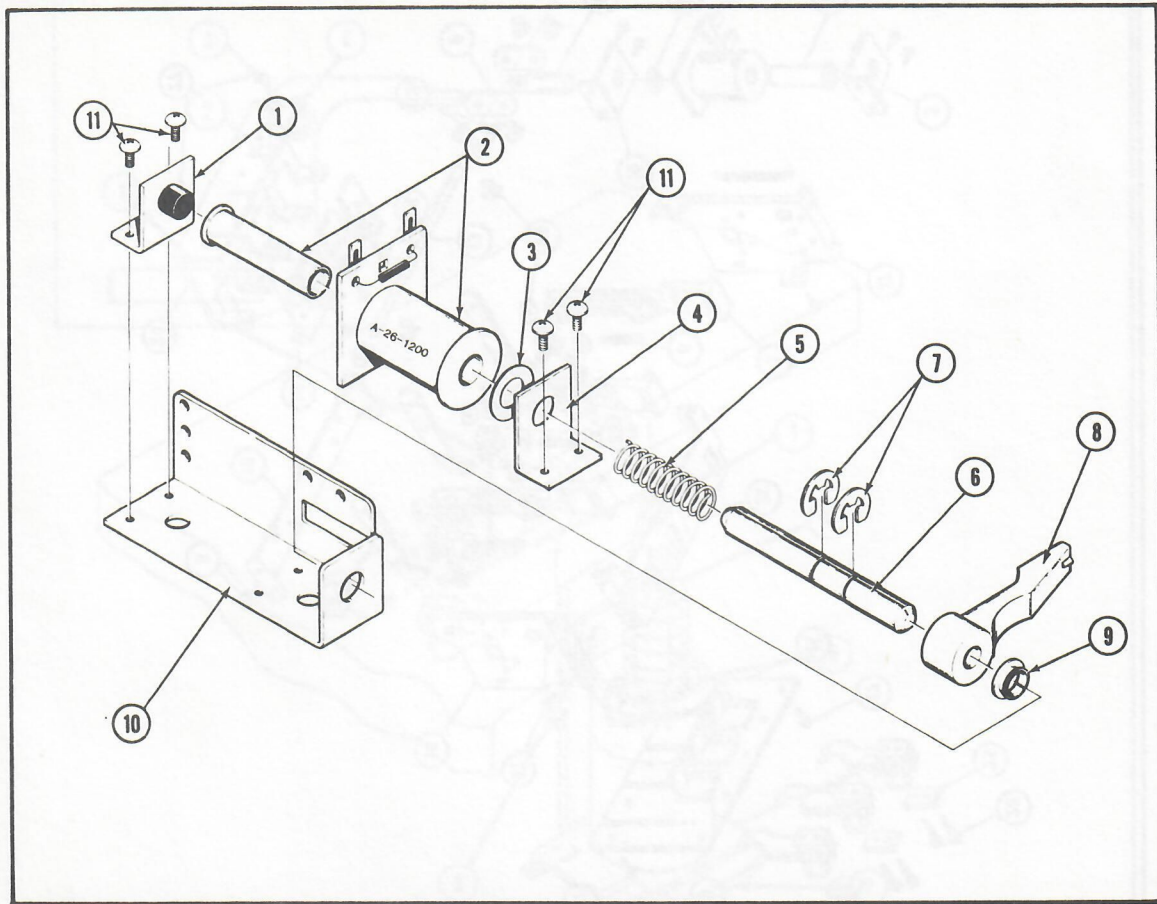
ITEM	DESCRIPTION	PART NUMBER	QTY
1	Target w/ Yoke Assy.	A365-05502-0013	3
2	Coil & Tubing Assy.	AB42-00045-0000	1
	Coil: 2 Lug	A365-00067-0019	1
	Diode: 1N4004GP, 400V, 1.0A	5070-09054-00	1
	Tubing: 2x1/2" Flange	0017-00041-0673	1
3	Core Plug & Bracket Assy.	A360-00014-0000	1
4	Not Used		
5	Switch w/ Diode Assy.	A370-00086-0000	3
	Diode: 1N4148, 150MA	5070-08919-00	3
6	Extension Spring	0010-00275-0363	3
7	Drop Target Link	0360-00117-00XF	3
8	Nylon: Snap-in Coil	0017-00042-0429	2
9	Link		
10	Coil Bracket	0360-00122-00XF	1
11	Plunger	0360-00717-00XF	1
12	Pivot Shaft	0365-02060-0005	1
14	Not Used		
15	Back Plate	0365-02035-0024	1
16	End Plate	0371-00124-00XF	1
17	End Plate	0371-00124-00XF	1
18	Reset Bar	0365-02010-0005	1
19	Adjustable Bottom Plate	0365-02020-0024	1
20	Stationary Bottom Plate	0365-02015-0024	1
21	Latch Plate	0365-02041-0004	1
22	Not Used		
23	Klip Ring	0017-00042-0429	6
24	Not Used		
25	Switch Plate	0020-00202-0000	3
26	Phi. Round Head #5-40x14"	0017-00101-0193	8
27	Hex Head Screw #8-32x6"	0017-00101-0184	3
28	Phi. Pan Head #8-32x6"	0017-00101-0162	12
29	Not Used		
30	Not Used		
31	Spring Washer	0017-00104-0063	1



DROP TARGET ASSEMBLY

SLINGSHOT KICKER ASSEMBLY

A365-05210-0001



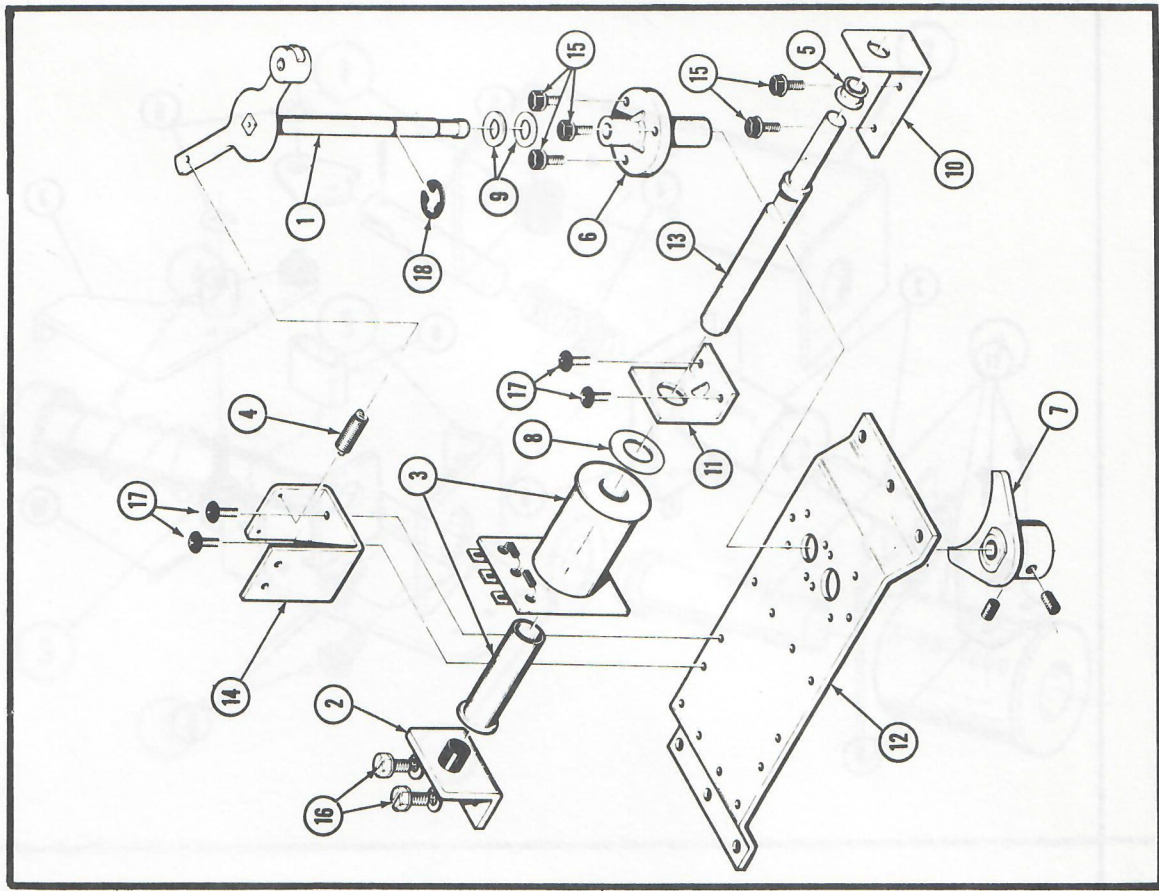
ITEM	DESCRIPTION	PART NUMBER	QTY
1	Core Plug & Bracket Assy.	A967-00011-0000	1
2	Coil & Tubing Assy.: 2 Lug	A365-08700-0003	1
	Coil: 2 Lug	A365-00067-0029	1
	Diode:1N4004GP, 400V, 1.0A	5070-09054-00	1
	Coil Tubing:L = 1.686x5/8"	0017-00041-0605	1
3	Spring Washer:	0017-00104-0073	1
	.515"ID,.875"OD,.013"TH		
4	Coil Bracket	0360-00318-00XF	1
5	Compression Spring	0010-00274-0212	1
6	Plunger	0967-00701-00XF	1
7	Retaining Ring:.484"	0017-00100-0115	2
8	Slingshot Kicker Arm	0967-00901-0000	1
9	Nyliner:Snap-in Coil	20-8790-5	1
10	Slingshot Mounting Bracket	0967-00130-00XF	1
11	Phl. Pan Head #8-32x1/4"	0017-00101-0161	4

BALL EJECT(MULTI-BALL KICKER) ASSY.

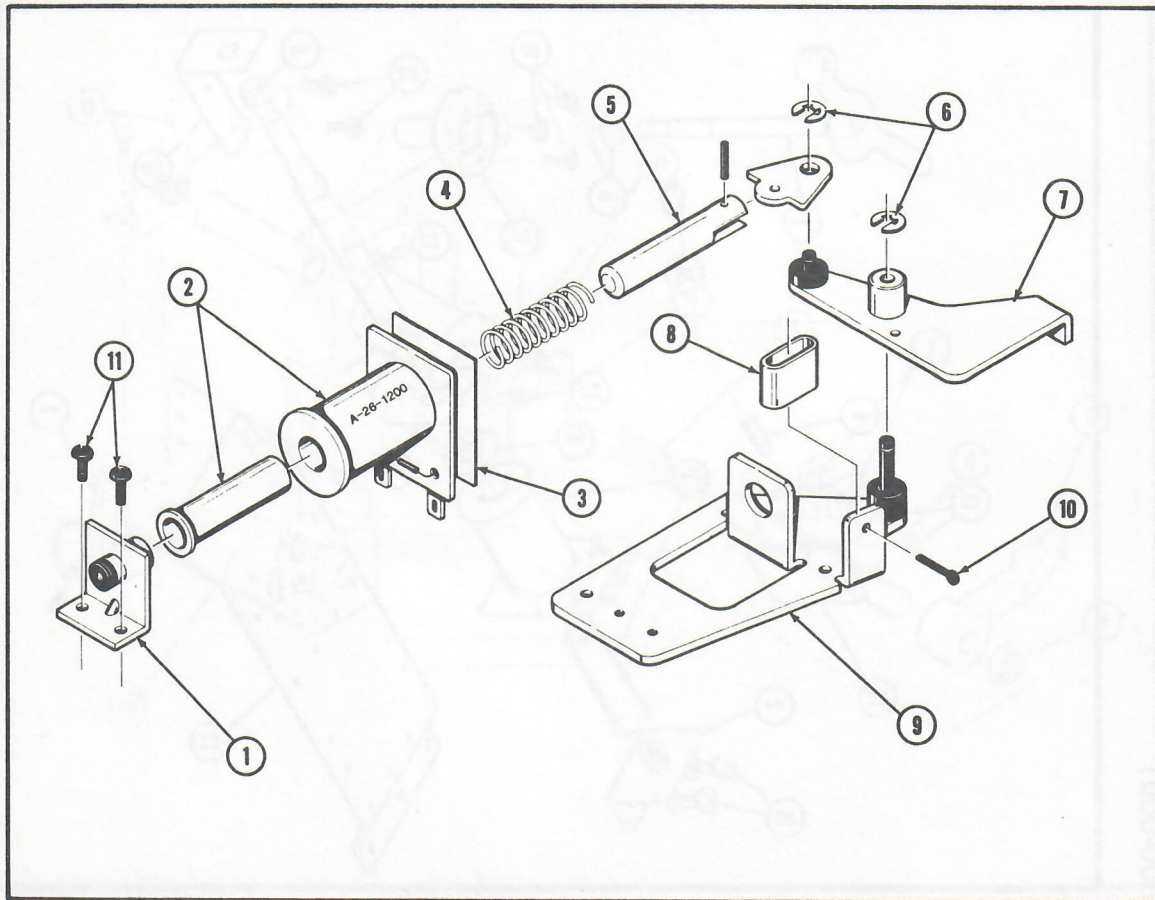
A365-05800-0001

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Shaft w/ Plate Assy.	AH01-00026-00XF	1
2	Core Plug & Bracket Assy.	A365-00024-0000	1
3	Coil & Tubing Assy.	A360-00211-0000	1
	Coil: 2 Lug	A365-00067-0008	1
	Diode: 1N4004GP, 400V, 1.0A	5070-09054-00	1
4	Tubing: L = 1.686x5/8" Fing.	0017-00041-0605	1
5	Extension Spring	0010-00275-0353	1
6	Snap-in Coil Nyloner	20-8780-2	1
7*	Flipper Bearing	0017-00042-0413	1
8	Multi-ball Kicker Assy.	AH01-00028-00XF	1
	Spring Washer:	0017-00104-0073	1
	.515" ID, .875" OD, .013" TH		
9	Nylon Flat Washer:	0017-00104-0079	2
	.257" ID, .500" OD, .032" TH		
10	Left Flipper Stop Brkt.	0360-00152-01XF	1
11	Coil Bracket	0360-00318-00XF	1
12	Flipper Mounting Brkt.	0365-00101-00XF	1
13	Plunger	0360-00718-00XF	1
14	Switch Bracket	0360-00145-00XF	1
15	Hex Head Screw #8-32x3/8"	0017-00101-0184	5
16	Slotted Hex Head Screw, #10-32x3/8"	0017-00101-0480	2
17	Phillips Pan Head Screw, #8-32x1/4"	0017-00101-0161	4
18	Retaining Ring: .250 Dia.	0017-00101-0120	1
19*	Set Screw: 1/4"-28x5/16"	0017-00101-0186	2

*NOT PART OF ABOVE ASSEMBLY, ORDER SEPARATELY



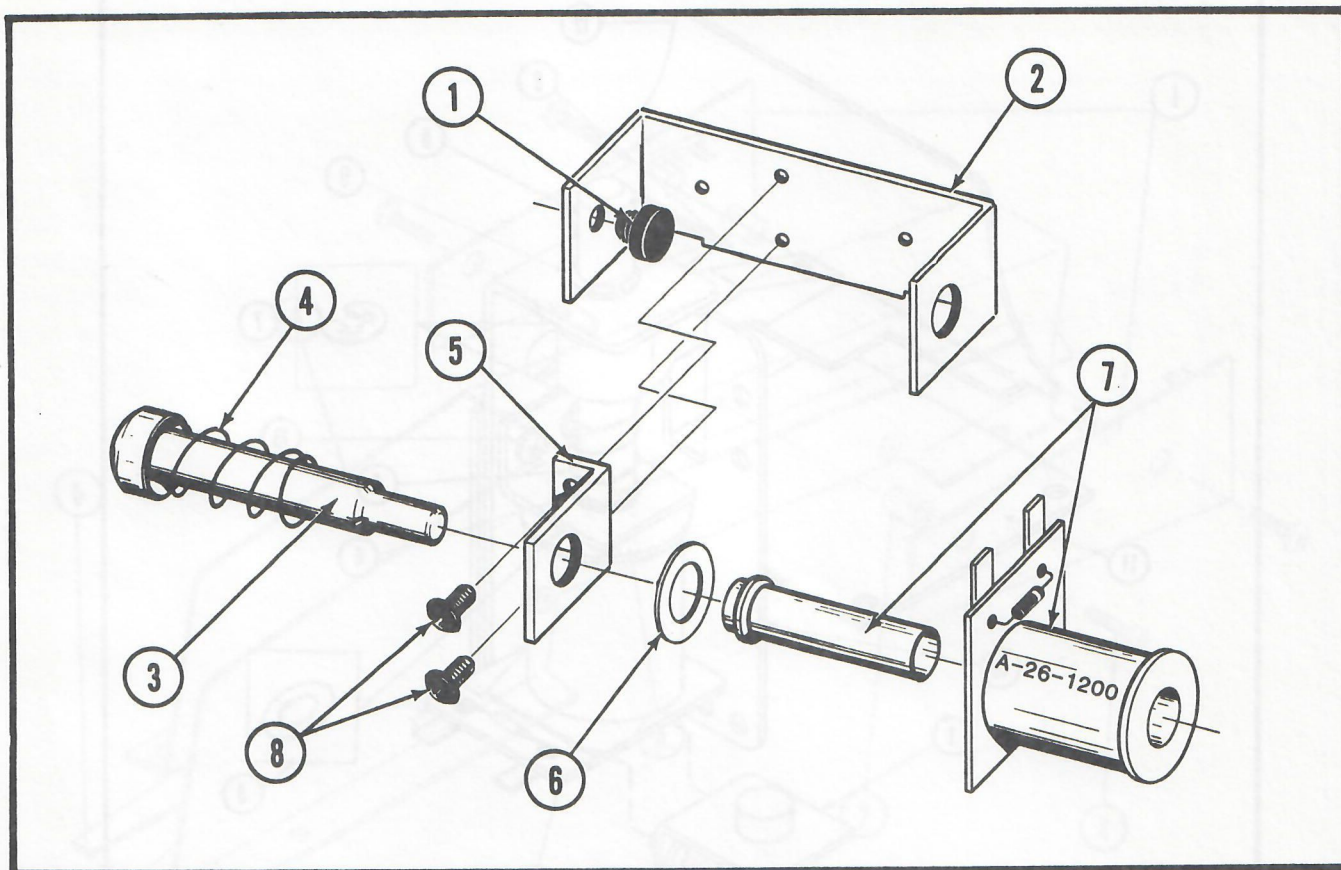
TOP MOUNTED BALL(OUTHOLE) KICKER A360-00234-0000



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Core Plug & Bracket Assy	A365-00024-0000	1
2	Coil & Tubing Assy.:2 Lug	A360-00044-0000	1
	Coil: 2 Lug	A365-00067-0006	1
	Diode: 1N4004GP,400V, 1.0A	5070-09054-00	1
	Coil Tubing: L = 1.686x5/8"	0017-00041-0605	1
3	Fish-Paper Insulator	0360-00901-0000	1
4	Compression Spring	0010-00274-0207	1
5	Plunger & Link Assy.	A360-00278-0000	1
	Plunger	0360-00735-00XF	1
	Roll Pin 1/8"x7/16"	0017-00007-0073	1
	Kicker Link	0360-00941-0000	1
6	Retaining Ring:.218"	0017-00100-0116	2
7	Ball Return Kicker Arm Assy.	A360-00036-0000	1
8	Striker Ring	0017-00042-0346	1
9	Base Plate Assembly	A360-00037-0000	1
10	Cotter Pin 3/32"x1/4"	017-00007-0124 1	
11	Phillips Pan Head #8x32x3/8"	0017-00101-0162	2

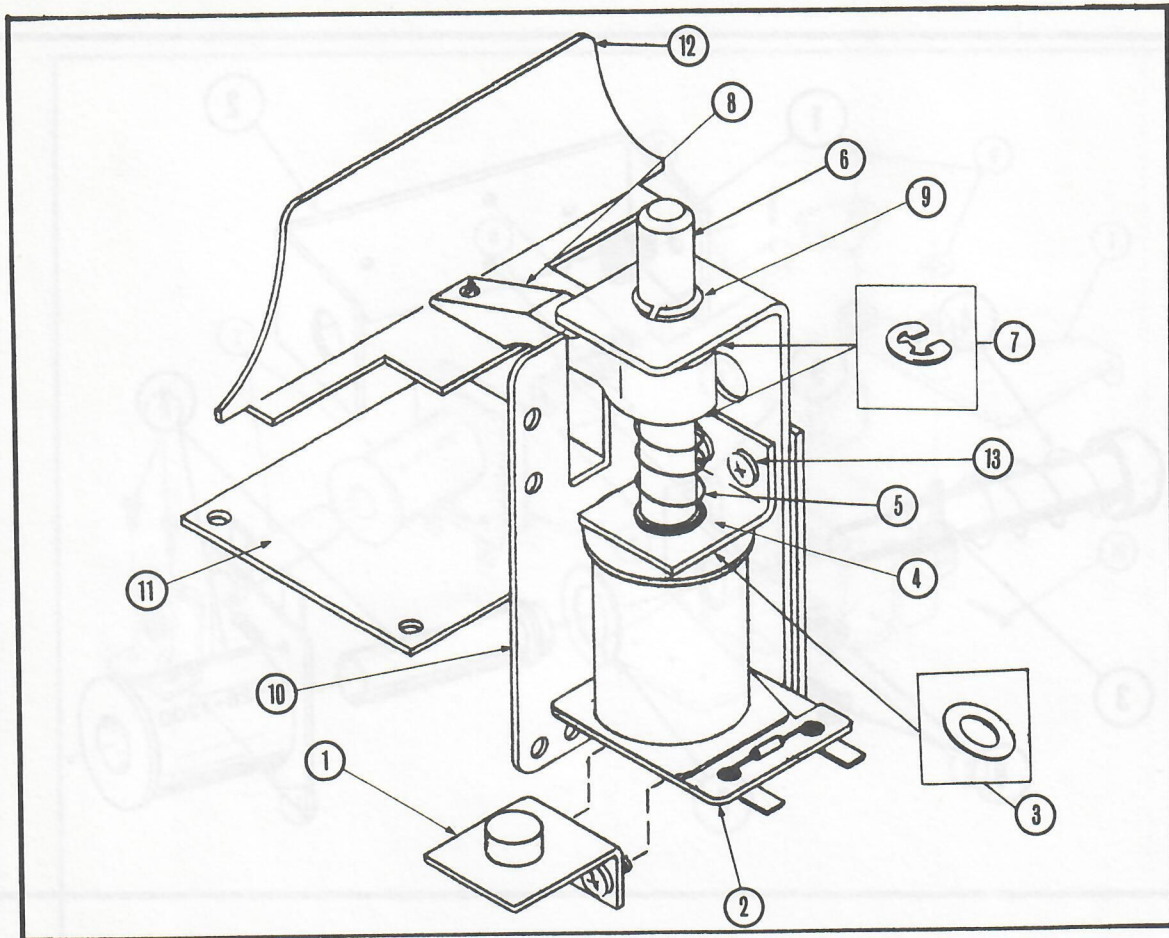
KNOCKER ASSEMBLY

A360-00235-0000



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Bumper Plug: Black	0017-00041-0635	1
2	Coil Frame	0360-00909-00XF	1
3	Plunger & Striker Assy.	A360-00011-00XF	1
4	Compression Spring	0010-00274-0212	1
5	Coil Bracket	0360-00318-00XF	1
6	Spring Washer	0017-00104-0073	1
7	Coil & Tubing Assy.	A360-00046-0000	1
8	Coil: 2 Lug	A365-00067-0006	1
9	Diode: 1N4004GP, 400V, 1.0A	5070-09054-00	1
10	Tubing: L = 1.844" x 5/8"	0017-00041-0611	1
11	Philips Pan Head Screw, #8-32 x 1/4"	0017-00101-0161	2

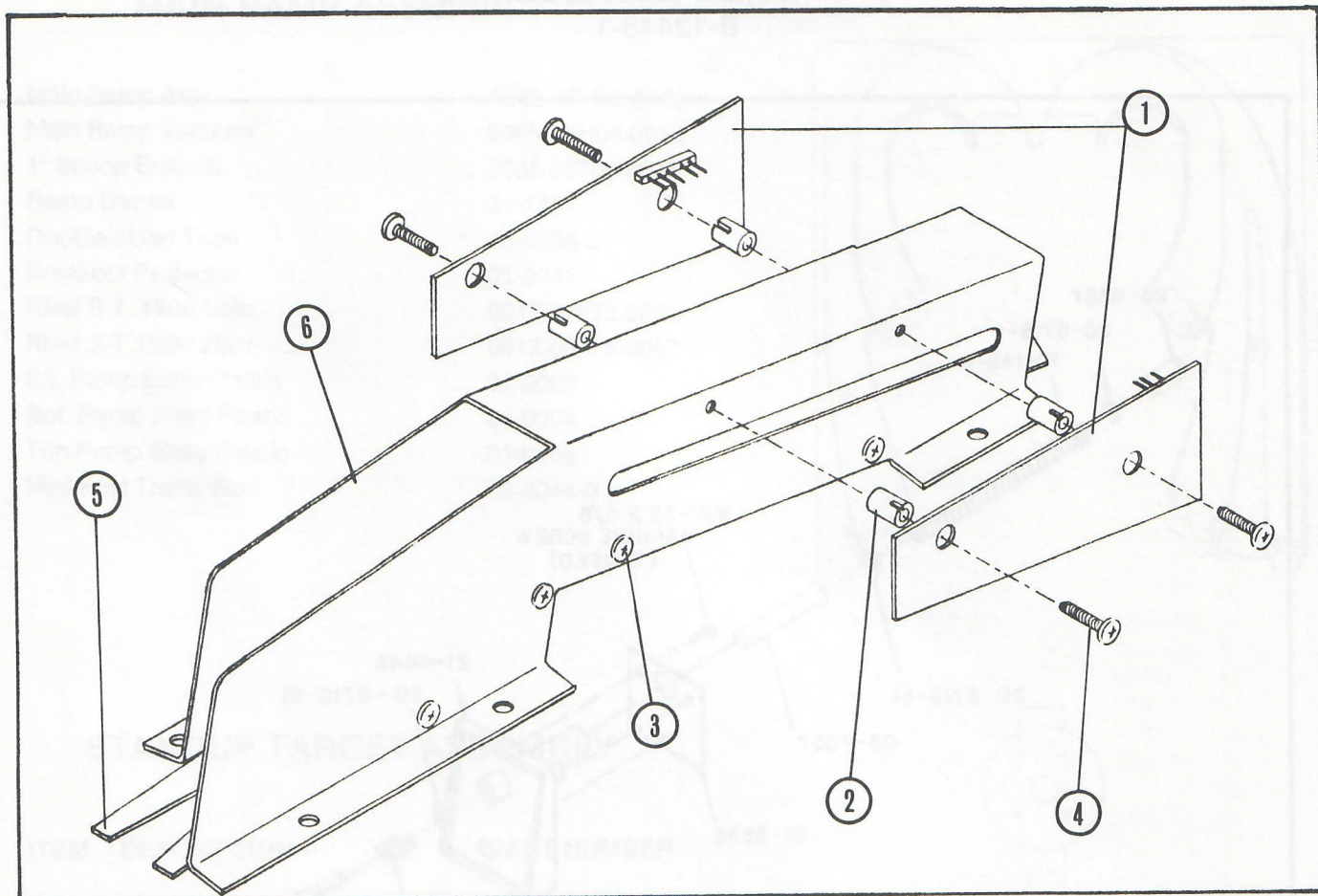
LANE CHANGE MECHANISM ASSEMBLY **A365-07500-0008**



ITEM	DESCRIPTION	PART NUMBER	QTY
1	Core Plug & Bracket Assy.	A967-00011-0000	1
2	Coil & Tubing Assy.:2 Lug	A967-00046-0000	1
	Coil:2 Lug	A365-00067-0006	1
	Diode: 1N4004GP,400V,1.0A	5070-09054-00	1
	Coil Tubing: L = 1.686x5/8"	0017-00041-0605	1
3	Spring Washer:	0017-000104-0073	1
	.515"ID,.875"OD,.013"TH		
4	Coil Bracket	0360-00318-00XF	1
5	Compression Spring	0010-00274-0212	1
6	Plunger	0967-00701-00XF	1
7	Retaining Ring:.484"	0017-00100-0115	2
8	Slingshot Kicker Arm	0967-00901-0000	1
9	Nyliner Bearing	20-8790-5	1
10	Slingshot Mounting Bracket	0967-00130-00XF	1
11	Lane Change Bracket	0365-03000-0010	1
12	Lane Change Kicker Arm	0365-17042-1902	1
13	Phl.Pan Head #8-32x1/4"	0017-00101-0202	4

OPTICAL MULTI-BALL TROUGH

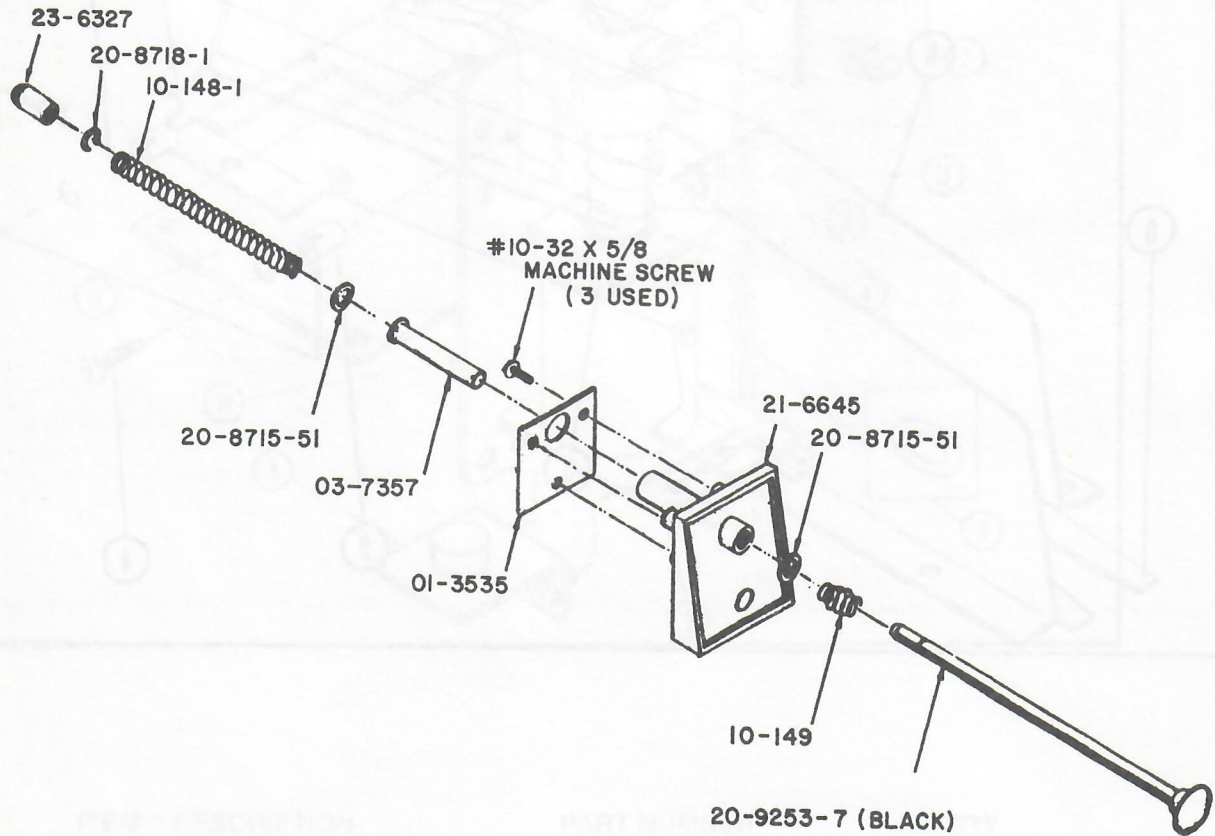
A365-00347-0000



ITEM	DESCRIPTION	PART NUMBER	QTY.
1	4-Position Detector PCB	A084-91894-C000	1
2	Spacer 1/4"	0017-00042-0320	4
3	Phl. Pan Head #8-32x4"	0017-00101-0161	8
4	Phl. Pan Head #8-32x10"	0017-00101-0168	4
5	Ramp Bracket	0365-00210-00XF	1
6	M-B Trough Bracket	0365-00211-00XF	1

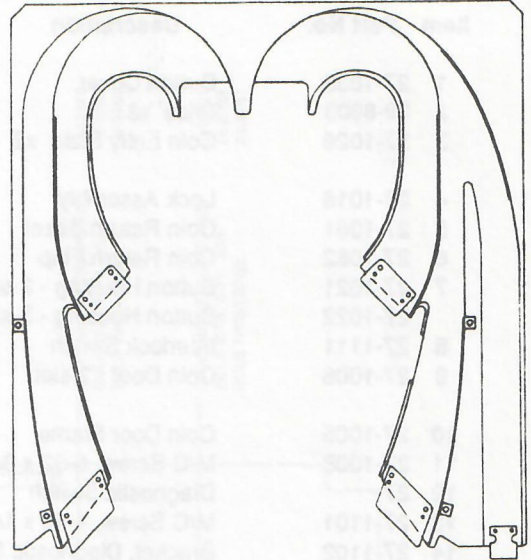
BALL SHOOTER ASSEMBLY

B-12445-1



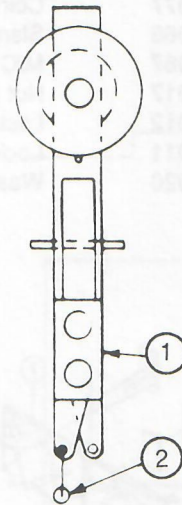
MAIN RAMP ASSEMBLY

Main Ramp Assy.	A365-00H08-0023
Main Ramp Vacuum	0365-00H08-0015
1" Scoop Bracket	0365-02700-0005
Ramp Decals	31-1477
Double-sided Tape	23-6636-2
Breakout Protector	01-9041
Rivet S-T .120x.188x	0017-00072-0034
Rivet S-T .088x.250x	0017-00072-0087
S/L Ramp Entry Plastic	01-9003
Bot. Ramp Entry Plastic	01-9004
Top Ramp Entry Plastic	01-9005
Mini Post Trans.-Red	03-8044-9



STANDUP TARGET ASSEMBLY

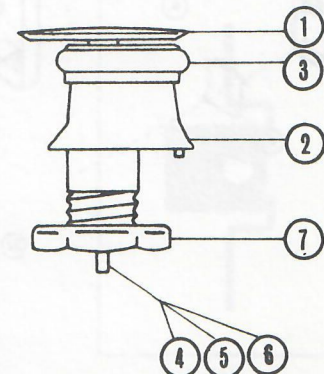
ITEM	DESCRIPTION	PART NUMBER
1	Standing Target-Green	B-11696-2
	Standing Target-Blue	B-11696-1
	Standing Target-Orange	B-11696-15
2	Diode, 1N4001 1.0A	5070-06258-00



THUMPER CAP W/PLUNGER

A365-00091-0300

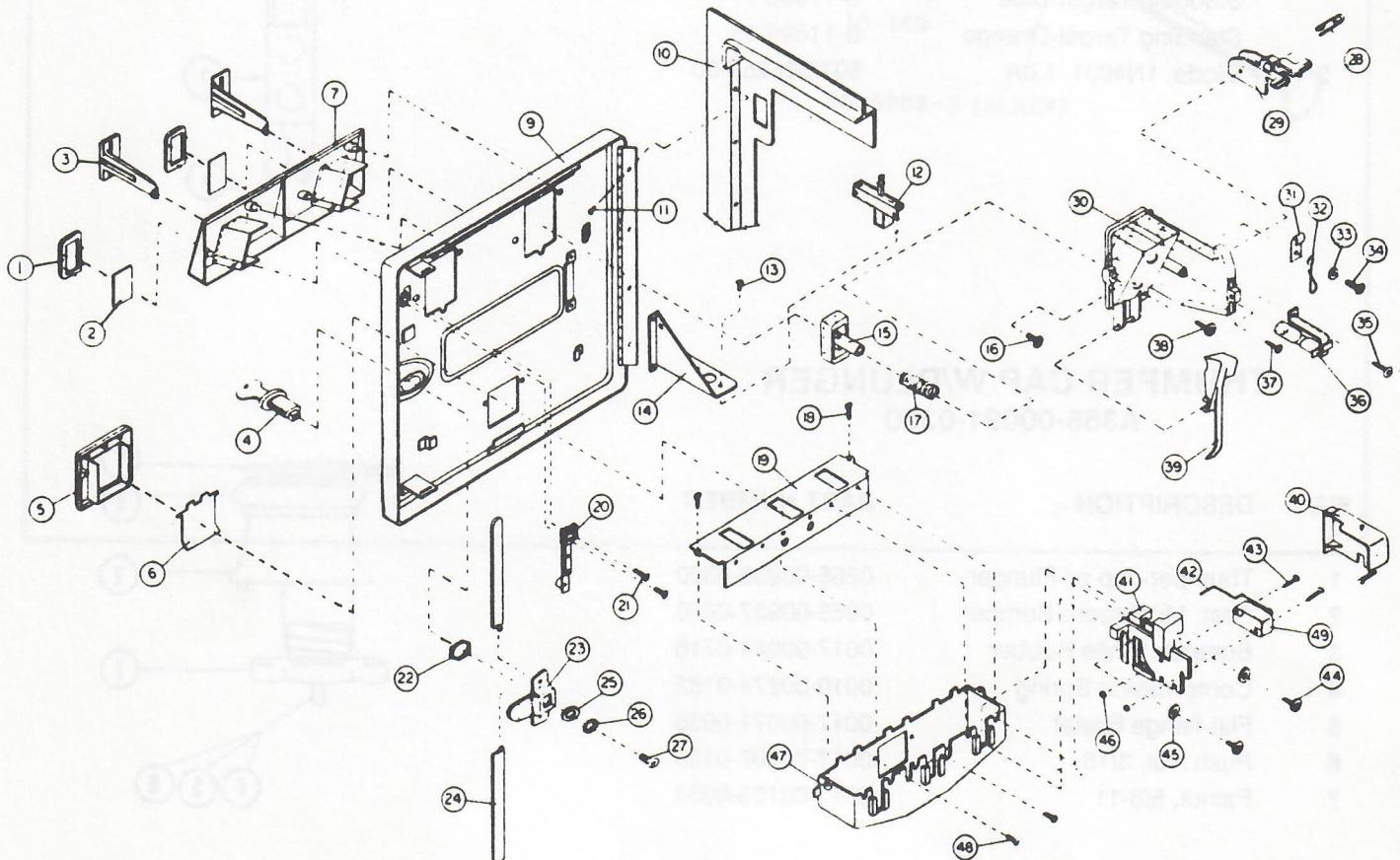
ITEM	DESCRIPTION	PART NUMBER
1	Thumper-cap w/ Plunger	0365-00936-0300
2	Post: Mushroom-Bumper	0365-00937-0800
3	Bumper: White Rubber	0017-00041-0716
4	Compression Spring	0010-00274-0162
5	Flat-flange Eyelet	0017-00071-0036
6	Push Nut, 3/16	0017-00007-0183
7	Palnut, 5/8-11	0017-00103-0054



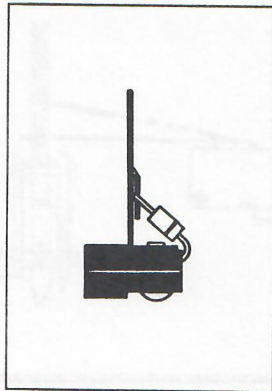
Coin Door Assembly

2-chute door, p/n 09-17002B-1

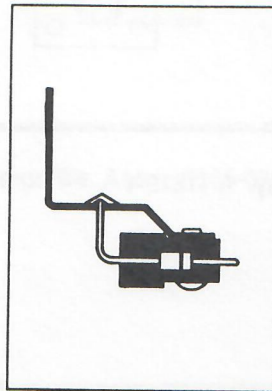
Item	Part No.	Description	Quantity				
1	27-1033	Button Cover	2				
2	09-8803	Price x2	2				
3	27-1026	Coin Entry Plate x2	2	26	27-1018	Star Washer	1
			3	27	27-1019	M/C Screw,	1
4	27-1016	Lock Assembly	1	28	12-6801	R-Ring	1
5	27-1061	Coin Return Bezel	1	29	27-1083	Retainer	1
6	27-1062	Coin Return Flap	1	30	27-1081	Coin Inlet Chute	2
7	27-1021	Button Housing - 2-slot	1	31	27-1088	Wire Clamp	2
	27-1022	Button Housing - 3-slot	1	32	27-1025	Key Hook	2
8	27-1111	Interlock Switch	1	33	27-1086	Washer, #6	2
9	27-1006	Coin Door - 2-slot	1	34	27-1078	M/C Screw, 6-32 x 3/8	2
					27-	M/C Screw, 6-32 x 1/2	2
10	27-1005	Coin Door Frame	1	35	27-1079	Self-tapping Screw, #6 x 1/4	2
11	27-1008	M/C Screw, 6-32 x 3/16	4	36	27-1085	Lamp	2
12	27-	Diagnostic Switch	1	37	27-1096	Self-tapping Screw, #5 x 3/8	2
13	27-1101	M/C Screw, 4-40 x 1/4	2	38	27-1087	M/C Screw, 6-32 x 5/8	2
14	27-1102	Bracket, Diagnostic Switch	1	39	27-1082	Lever Arm	2
15	27-1037	Button	2	40	27-1097	Switch Cover	2
16	27-1078	M/C Screw, 6-32 x 3/8	2	41	27-1091	Coin Accept Chute	2
17	27-1039	Conical Spring	2	42	27-1075	Wire Form	2
18	27-1079	Self-tapping Screw, #6 x 1/4	2		27-1093	Wire Form	2
19	27-1077	Coin box Cover	1	43	27-1094	M/C Screw, 4-40 x 7/8	2
20	27-1066	Slam Switch	1	44	27-1087	M/C Screw, 6-32 x 5/8	2
21	27-1067	M/C Screw, 4-40 x 1/2	2	45	27-1086	Washer, #6	2
22	27-1017	Nut (key)	1	46	27-1095	Nut, 4-40	2
23	27-1012	Locking Cam	1	47	27-1076	Coin Return Box	1
24	27-1011	Locking Arm	2	48	27-1078	M/C Screw, 6-32 x 3/8	2
25	27-1020	Washer	1	49	27-1092	Microswitch	2



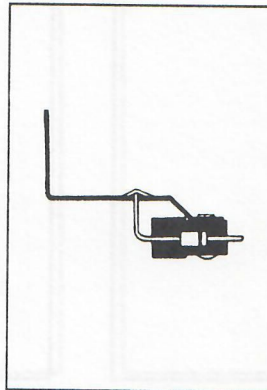
LAMP AND SOCKET ASSEMBLIES



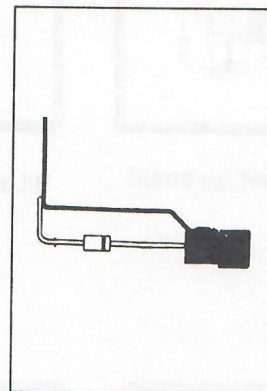
Lamp Socket w/ Diode A365-00077-0200



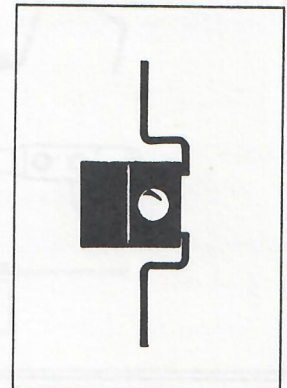
Lamp Socket w/ Diode A365-00077-0300



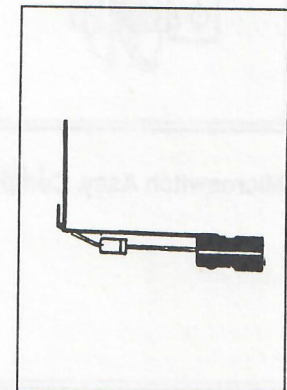
Lamp Socket w/ Diode A365-00077-0400



Lamp Socket w/ Diode A365-00332-0000

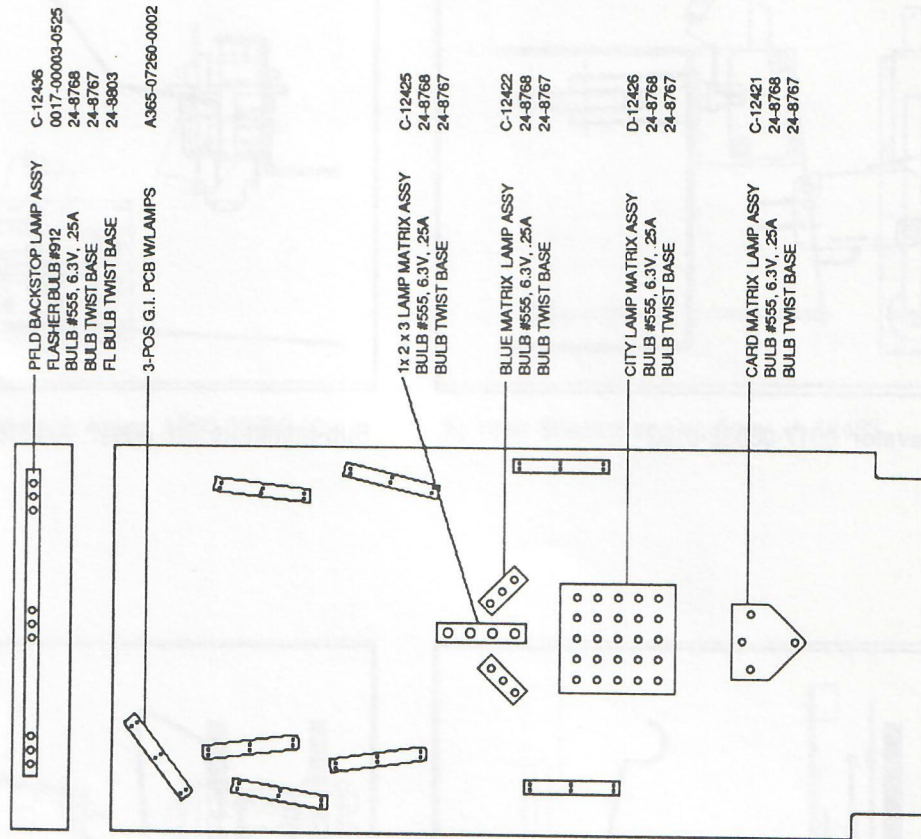


Lamp Socket w/o Diode 0017-00031-0077

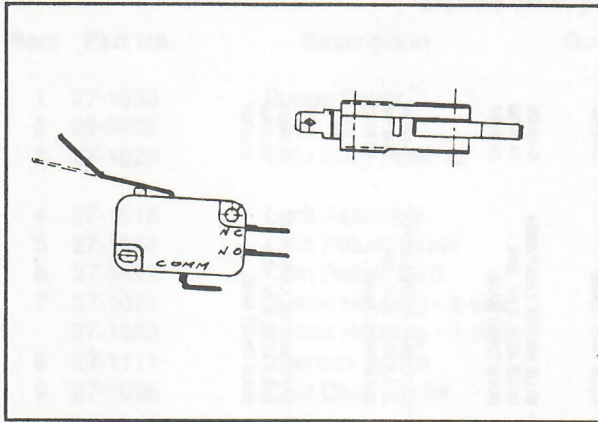


Lamp Socket w/ Diode 0017-00031-0080

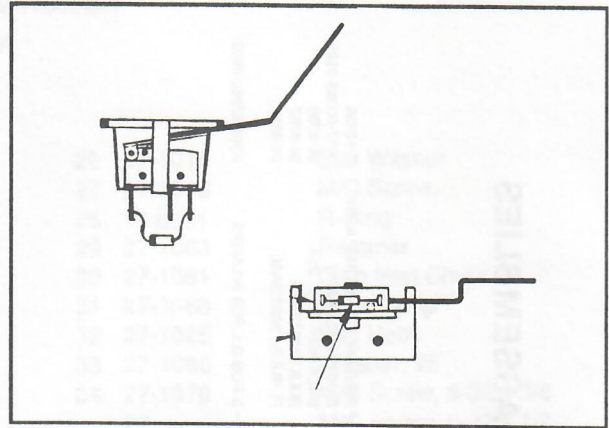
LAMP MATRIX ASSEMBLIES



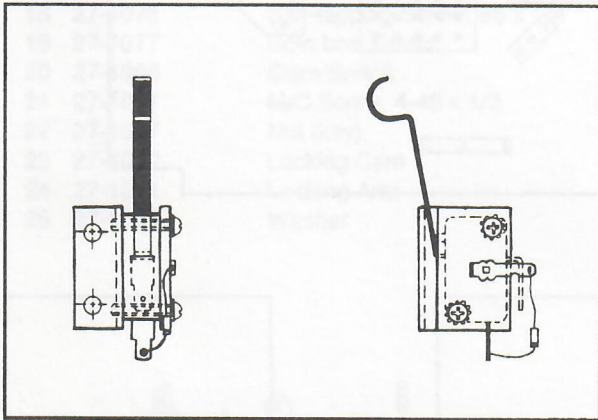
SWITCH ASSEMBLIES



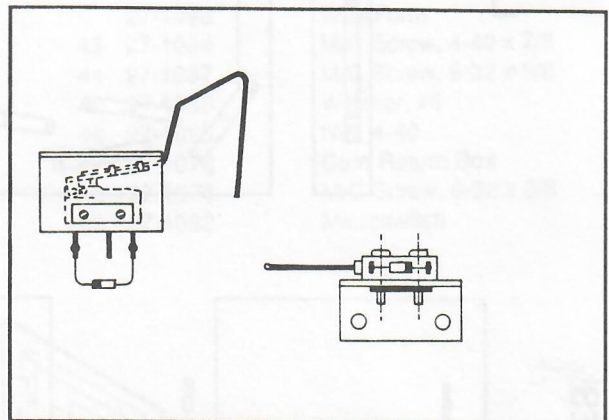
Switch Elevator 0017-00032-0162



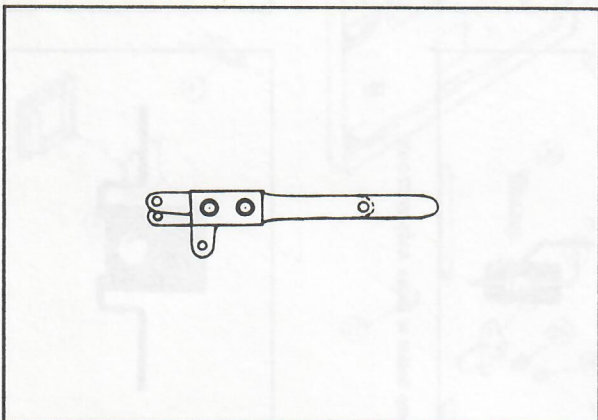
Sub-miniature Sw. Assy. A-12167



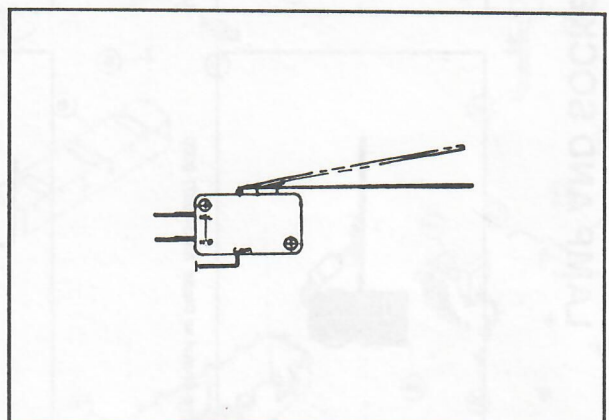
Microswitch Assy. Complete A-10417



S/Lane Switch Assy. A-11619-1

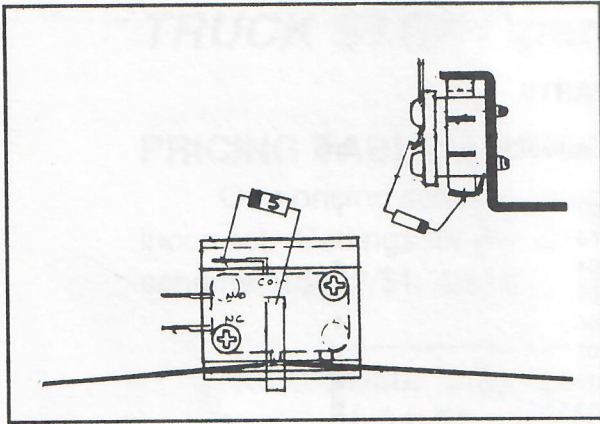


Mushroom Bumper Sw. Assy. AA40-00032-0000

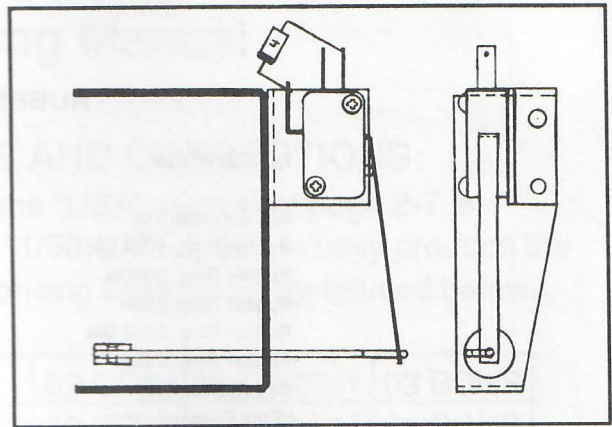


Score Gates Microswitch 0365-17032-0008

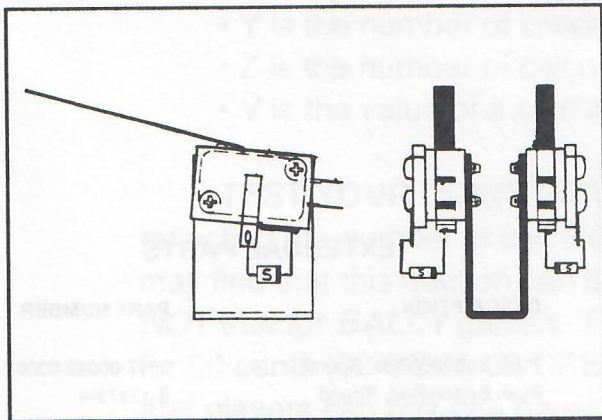
SWITCH ASSEMBLIES



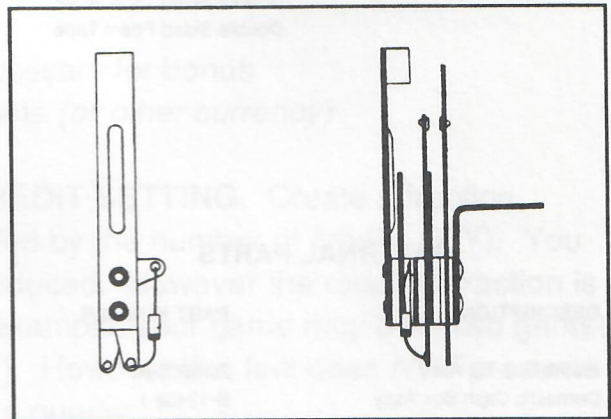
Spinner/Gate Microswitch Assy. A365-06900-00



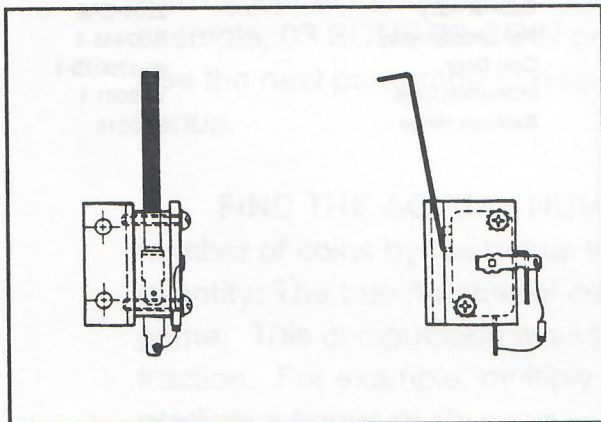
Spinner Bracket w/ Sw. Assy. A-12483



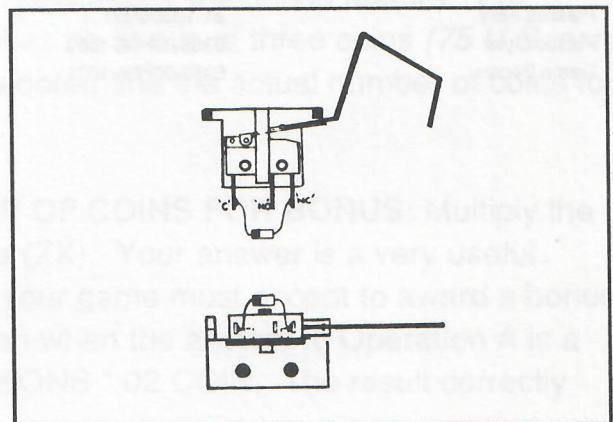
Lane Change Sw. Assy. A365-06900-0022



Stand-up Sw. Assy. B-12440-1



Microswitch Assy. Complete A-9381-R



Rollover Switch Assy. A-12245

RUBBER PARTS

DESCRIPTION	PART NUMBER	QTY
Ball Shooter Tip	23-6327	1
Rubber Ring, 1-1/4"Dia.	23-6303	1
Rubber Ring, 3/4"Dia.	23-6301	2
Rubber Ring, 2"Dia.	23-6305	1
Rubber Ring, 2-1/2"Dia.	23-6306	4
Rubber Ring, 3"Dia.	23-6307	1
Red Rubber Ring	23-6519-4	2
White Flipper Rubber	23-6519-5	2
Rubber Bumper(Ball Post)	23-6535	2
Rubber Bumper, Yellow	23-6551	2
Rubber Bumper, Silver-Yellow	23-6552	2
Rubber Bumper(Mini-Post)	23-6556	2
Plug Bumper, 5/8"Dia.	23-6577	2
Glass Protector	23-6534	2
Edge Protect, 3/8"L.	23-6534-9	5
Double-Sided Tape, 8-1/2"	23-6636-3	1
Double-Sided Tape, 9-1/2"	23-6636-2	1
Double-Sided Foam Tape	23-6622	1

INTERNAL PARTS

DESCRIPTION	PART NUMBER
Plumb Bob Tilt Assy.	20-6502-A
Domestic Cash Box Assy.	B-12458-1
Latch Bracket -Cash Box	01-8956
Cabinet Speaker	0017-00003-0662
Front Rail Assy.	A365-07250-0010
Front Rail Bracket	0365-04300-0016
Front Rail Latch	0365-04300-0018
Latch Lever	0365-04300-0017
Power Transformer Assy.	C-12480
Transformer Power 116PL	MT00-000163-A000
Secondary Transformer Assy.	D-12477
Plastics Assy.	31-1006-2001
Plastic Mylar	0365-00H08-1009
Game Decals	0365-00H08-1021

EXTERNAL PARTS

DESCRIPTION	PART NUMBER
Push Button:White, Round	0017-00042-0300
Push Button:Red, Round	B-12273-4
Playfield Glass	08-7028-T
Side Moulding	01-8993-1
Back Glass Assy.	A-8552-2001
Glass Lift Channel	03-8229-1
Backbox Glass	08-7463
Screened Translite	31-1357-2001
Metal Leg	01-2263-3
Leg Adjuster	08-7377
Edge Channel	03-8228-1
Cabinet Assy.	2001-CAB
Ball Shooter Assy.	B-12445-1
Coin Door	09-17002B-1
Instruction Card	16-2001-1
Backbox Hinge	20-9518

Additions and Corrections to the **TRUCK STOP** Operating Manual

PRICING TABLE ADDITIONS AND CORRECTIONS

One pricing scheme listed in the "USA" section of page 2-7 is incorrect. Settings for the scheme "1/50, 2/75, 3/\$1" actually produce the scheme 1/50, 2/\$1, 4/\$1.50. This pricing scheme is reproduced below.

1/50, 2/\$1, 4/\$1.50	LEFT	02 COIN	01 CREDIT	03 BONS
	RIGHT	02 COIN	01 CREDIT	03 BONS

You can figure out pricing schemes by using some simple rules of thumb. The simple equations below apply the following variables:

- X is the number of coins.
- Y is the number of credits
- Z is the number of coins necessary for bonus
- V is the value of a coin in cents (*or other currency*)

TEST YOUR COINS PER CREDIT SETTING. Create a fraction reflecting the number of coins divided by the number of credits (X/Y). You may find that this fraction can be reduced. However the reduced fraction is **NOT** true for **BALLY** games. For example, your game may offer two games for 50 cents (02 COIN, 02 CREDIT). However this fact does **NOT** presume that players can buy one game for a quarter.

TEST YOUR COINS FOR BONUS SETTING. Divide the bonus value by the required number of coins (Z/X). The answer must be a whole number. If so, the bonus feature will work. For example, 02 BONS/01 COIN produces a bonus at two coins (*50 U.S. cents*). If the answer isn't whole, the bonus won't occur at the number of coins specified by the bonus feature. For example, 03 BONS/02 COIN produces no bonus at three coins (*75 U.S. cents*). Use the next paragraph to help you determine the actual number of coins for bonus.

FIND THE ACTUAL NUMBER OF COINS FOR BONUS: Multiply the number of coins by the bonus value (ZX). Your answer is a very useful quantity: The true number of coins your game must accept to award a bonus game. This computation works even when the answer to Operation A is a fraction. For example, multiply 03 BONS * 02 COIN. The result correctly predicts a bonus at six coins.

DERIVE THE COIN VALUE NECESSARY FOR BONUS. Multiply the answer in the previous paragraph by the coin value ($ZX * V$). The result is the dollar (*or other currency*) figure where the bonus game is awarded. For example, multiply $3 * 2 * 25$. The result is \$1.50. This represents the coin value necessary for bonus with settings 03 BONS and 02 COIN.

CORRECTIONS TO THE POWER WIRING DIAGRAM, P. 6-21

1. The schematic of the Flipper Power Supply Board is missing a resistor. This 8.2K, 5W bleeder should be shown across filter caps C1 and C3.
2. The Solid State Relay Board's connector RJ1, pin 3 is attached to the Control Board at CJ9, pin 10 (*not CJ8, pin 1 as shown*).

CORRECTIONS TO THE COIL WIRING DRAWING, P. 6-30

1. Lane-Steering solenoid 12 is on the *backboard*, not in the *backbox*.
2. The Solid State Relay Board has no coil or diode as indicated on page 6-30. Furthermore, the Solid State Relay Board is not connected to the +43VDC line. Instead, this board derives AC power from its own power transformer secondary. This secondary is shown on the Power Wiring Diagram, p. 6-21.

ROM Summary

6803 CPU A084-91786-G000 Memory & Jumper Combinations

Game Name	Game No.	Released	U2	U3	Jumpers
Eight Ball Champ	0B38	Aug 1985	Not Used	0838-00803-0005	2,4,6,8,10
Beat The Clock	0C70	Nov 1985	Not Used	0C70-00803-0005	2,4,6,9,10
Lady Luck	0E34	Feb 1986	Not Used	0E34-00803-0005	2,4,6,8,10
Motor Dome	0E14	May 1986	E14A-42AAE-BX40	E14A-42AAE-CX4D	2,4,6,8,10
Black Belt	0E52	Jul 1986	0E52-00803-0001	0E52-00803-0002	2,4,6,8,10
Special Force	0E47	Sep 1986	0E47-00803-0004	0E47-00803-0005	2,4,6,9,10
Strange Science	0E35	Dec 1986	0E35-00803-0001	0E35-00803-0002	2,4,6,9,10
City Slicker	0E79	Feb 1987	0E79-00803-0002	0E79-00803-0003	2,4,6,9,10
Hard Body	0E94	Mar 1987	E94A-12601-0000	E94A-12602-0000	2,4,6,9,10
Party Animal	0H01	May 1987	H01A-12601-0000	H01A-12602-0000	2,4,6,9,10
Heavy Metal	0H03	Jun 1987	H03A-12601-0000	H03A-12602-0000	2,4,6,9,10
Dungeons & Dragons	0H06	Oct 1987	H06A-12601-0000	H06A-12602-0000	2,4,6,9,10
Escape From Lost World	0H05	Jan 1988	H05A-12601-0000	H05A-12602-0000	2,4,6,8,10
Blackwater 100	0H07	Mar 1988	H07A-12601-0000	H07A-12602-0000	2,4,6,9,10
Truck Stop	2001	Oct 1988	H08A-12601-0000	H08A-12602-0000	2,4,6,9,10

Note: See BALLY-MIDWAY Service Bulletin dated December 26, 1985, summarized below...

Subject: BEAT THE CLOCK and subsequent pinball games.

Symptom: LED flashes eight times, but game fails to power up.

Cause: Starting with BEAT THE CLOCK, game 300, the U3 program was modified for internal testing.

Cure: Current boards include a 100K ohm, 1/4-watt pullup resistor. This runs between the +5-volt bus and pin 12 of microprocessor U1.

Coil Part Number Table
including Flipper Coils

Sol. No.	Solenoid Description	Solenoid Type	Wire Color	Connections		Solenoid Part No.
				Control Board	Driver Transistor	
01	Left Kicker (Truck Stop)	Momentary	White-Red	CJ9-1	Q18	A365-00067-0029
02	Right Saucer	Momentary	Yellow-White	CJ6-4	Q14	A365-00067-0010
03	Right Kicker (Dock)	Momentary	Yellow-Blue	CJ6-2	Q12	A360-00211-0000
04	Inline Target Reset	Momentary	Blue-White	CJ8-6	Q15	A365-00067-0019
05	Left, Top Slingshot	Momentary	Blue-Orange	CJ8-7	Q16	A365-00067-0029
06	Right, Top Slingshot	Momentary	Yellow-Brown	CJ6-5	Q17	A365-00067-0029
07	Left, Bottom Slingshot	Momentary	Yellow-Red	CJ6-1	Q11	A365-00067-0029
08	Right, Bottom Slingshot	Momentary	Yellow-Green	CJ6-3	Q13	A365-00067-0029
09	Ball Eject	Momentary	White-Brown	CJ9-6	Q22	A360-00211-0000
10	Outhole	Momentary	White-Black	CJ9-8	Q39	A360-00044-0000
11	Knocker	Continuous	White-Gray	CJ9-11	Q40	A360-00046-0000
12	Lane Steering*	Continuous	Yellow-Violet	CJ6-7	Q10	A365-00067-0027
13	SS Relay Bd (Backbox)*	Continuous	Blue-Green	CJ9-10	Q8	A080-91786-G000
14	Flipper-Enabling Relay*	Continuous	--	--	Q7	114E-00001-0011
15	Not Used	Momentary	White-Blue	CJ9-2	Q19	--
16	Not Used	Momentary	White-Yellow	CJ9-3	Q20	--
17	Not Used	Momentary	White-Green	CJ9-4	Q21	--
18	Not Used	Momentary	White-Orange	CJ9-7	Q38	--
19	Not Used*	Continuous	Brown-Violet	CJ9-9	Q9	--
Flipper Description		Wire Colors and Connectors				Part Number
Top Left Flipper		Orn-Gry: CJ6-8, CBJ7-2; Blk-Grn: CBJ7-6				A365-00067-0021
Bottom Left Flipper		Orn-Gry: CJ6-8, CBJ7-2; Blu-Gry: CBJ7-4				FL11629/50VDC
Top Right Flipper		Orn-Vio: CJ6-9, CBJ7-1; Blk-Yel: CBJ7-5				A365-00067-0021
Bottom Right Flipper		Orn-Vio: CJ6-9, CBJ7-1; Blu-Vio: CBJ7-3				FL11629/50VDC

NOTES:

- To use continuous solenoid 12, install jumper JW10. Remove jumper JW11.
- To use continuous solenoid 19, install jumper JW8. Remove jumper J9.
- To use switch strobe at CJ4-01, install jumper JW9. Remove jumper JW8.
- To use extra display at CJ2-19, install jumper JW11. Remove jumper JW10.
- Coils marked with an asterisk (*) are on the playfield backboard or in the backbox.
- Apply heatsink 112-00001-0047 and compound 0017-00009-0204 to drivers Q11, Q13, Q16, Q17 and Q18. Spread the thermal compound on the back and upper tab area of each transistor.

NOTES

DERIVE THE COM VALUE NECESSARY FOR BONUS. Multiply the answer in the previous paragraph by the com value (ZX * VI). The result is the dollar (or other currency) figure where the bonus is awarded. For example, multiply 3 * 2 * 26. The result is 156. This represents the com value necessary for bonus with a bonus of 156.

Amount	US	US	US	US	US
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0001	1.0001	1.0001	1.0001	1.0001	1.0001
1.0002	1.0002	1.0002	1.0002	1.0002	1.0002
1.0003	1.0003	1.0003	1.0003	1.0003	1.0003
1.0004	1.0004	1.0004	1.0004	1.0004	1.0004
1.0005	1.0005	1.0005	1.0005	1.0005	1.0005
1.0006	1.0006	1.0006	1.0006	1.0006	1.0006
1.0007	1.0007	1.0007	1.0007	1.0007	1.0007
1.0008	1.0008	1.0008	1.0008	1.0008	1.0008
1.0009	1.0009	1.0009	1.0009	1.0009	1.0009
1.0010	1.0010	1.0010	1.0010	1.0010	1.0010
1.0011	1.0011	1.0011	1.0011	1.0011	1.0011
1.0012	1.0012	1.0012	1.0012	1.0012	1.0012
1.0013	1.0013	1.0013	1.0013	1.0013	1.0013
1.0014	1.0014	1.0014	1.0014	1.0014	1.0014
1.0015	1.0015	1.0015	1.0015	1.0015	1.0015
1.0016	1.0016	1.0016	1.0016	1.0016	1.0016
1.0017	1.0017	1.0017	1.0017	1.0017	1.0017
1.0018	1.0018	1.0018	1.0018	1.0018	1.0018
1.0019	1.0019	1.0019	1.0019	1.0019	1.0019
1.0020	1.0020	1.0020	1.0020	1.0020	1.0020

1. Lane-Clearing ordered. (The bonus is awarded when the lane is cleared.)

2. The Sold State Bonus is awarded when the bonus is awarded.

Amount	US	US	US	US	US
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0001	1.0001	1.0001	1.0001	1.0001	1.0001
1.0002	1.0002	1.0002	1.0002	1.0002	1.0002
1.0003	1.0003	1.0003	1.0003	1.0003	1.0003
1.0004	1.0004	1.0004	1.0004	1.0004	1.0004
1.0005	1.0005	1.0005	1.0005	1.0005	1.0005
1.0006	1.0006	1.0006	1.0006	1.0006	1.0006
1.0007	1.0007	1.0007	1.0007	1.0007	1.0007
1.0008	1.0008	1.0008	1.0008	1.0008	1.0008
1.0009	1.0009	1.0009	1.0009	1.0009	1.0009
1.0010	1.0010	1.0010	1.0010	1.0010	1.0010
1.0011	1.0011	1.0011	1.0011	1.0011	1.0011
1.0012	1.0012	1.0012	1.0012	1.0012	1.0012
1.0013	1.0013	1.0013	1.0013	1.0013	1.0013
1.0014	1.0014	1.0014	1.0014	1.0014	1.0014
1.0015	1.0015	1.0015	1.0015	1.0015	1.0015
1.0016	1.0016	1.0016	1.0016	1.0016	1.0016
1.0017	1.0017	1.0017	1.0017	1.0017	1.0017
1.0018	1.0018	1.0018	1.0018	1.0018	1.0018
1.0019	1.0019	1.0019	1.0019	1.0019	1.0019
1.0020	1.0020	1.0020	1.0020	1.0020	1.0020

NOTES:

-To use bonus, the bonus must be awarded.

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Coil Characteristics Table

including Flipper Coils

Sol. No.	Solenoid Description	Nominal Coil Resistance	Bobbin Type, Wire Gauge	No. of Turns	No. of Lugs, Diodes	Solenoid Label No.
01	Left Kicker (Truck Stop)	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
02	Right Saucer	27.9 Ohms	A, 28	1,900	2, 1	A28-1900
03	Right Kicker (Dock)	14 Ohms	A, 27	1,300	2, 1	A27-1300
04	Inline Target Reset	15.5 Ohms	N, 25	1,600	2, 1	N25-1600
05	Left, Top Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
06	Right, Top Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
07	Left, Bottom Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
08	Right, Bottom Slingshot	8.1 Ohms	A, 25	1,050	2, 1	A25-1050
09	Ball Eject	14 Ohms	A, 27	1,300	2, 1	A27-1300
10	Outhole	10.2 Ohms	A, 26	1,200	2, 1	A26-1200
11	Knocker	10.2 Ohms	A, 26	1,200	2, 1	A26-1200
12	Lane Steering*	66 Ohms	A, 30	3,000	2, 1	A30-3000
13	SS Relay Bd (Backbox)*	(No coil)	(No coil)	--0--	--0--	A080-91786-G000
14	Flipper-Enabling Relay*	--	--	--	--	--
15	Not Used	--	--	--	--	--
16	Not Used	--	--	--	--	--
17	Not Used	--	--	--	--	--
18	Not Used	--	--	--	--	--
19	Not Used*	--	--	--	--	--
--	Top Left Flipper	3.0/300	A, 24/34	570/3,600	3, 2	A24-570/34-3600
--	Bottom Left Flipper	4.0/130	FL, 23, 31	900/3,000	3, 2	FL11629/50VDC
--	Top Right Flipper	3.0/300	A, 24/36	570/3,600	3, 2	A24-570/34-3600
--	Bottom Right Flipper	4.0/300	FL, 23, 31	900/3,000	3, 2	FL11629/50VDC

NOTES:

- Coils marked with an asterisk (*) are on the playfield backboard or in the backbox.
- For coil wire colors, see the Coil Part Number Table in this game's operating manual.
- Although coil drivers switch it, the Solid-State Relay Board has no coils.
- The Flipper-Enabling Relay is located on the CPU Board. It provides ground to the flippers.
- For coil part numbers, see the Coil Part Number Table in this game's operating manual.

WARNINGS & NOTICES

WARNING

FOR SAFETY AND RELIABILITY, substitute parts and equipment modifications are not recommended.

USE OF NON-BALLY PARTS or circuit modifications may cause injuries or equipment damage.

SUBSTITUTE PARTS OR MODIFICATIONS may void FCC Type Acceptance.

THIS GAME IS PROTECTED by Federal copyright, trademark and patent laws. Unauthorized software or hardware modifications may be illegal under Federal law.

THIS "MODIFICATION" PRINCIPLE ALSO APPLIES to unauthorized facsimiles of *BALLY* logos, designs, publications and assemblies. Moreover, facsimiles of *BALLY* equipment (or any feature thereof) may be illegal under Federal law. Whether or not such facsimiles are manufactured with *BALLY* components, this rule applies.

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.

WARNING

Transport this game **ONLY** with hinged backbox down!

WARNING

FCC STICKER. Check the back of your game for an FCC sticker. When *BALLY* ships a game, the game has been found to comply with FCC Rules. The sticker is proof. If the sticker is missing, legal repercussions to the owner and distributor of the game may result. If your game (manufactured after December 1982) has no FCC sticker, call *BALLY* for advice. Or write us a note on your game-registration card. Be sure the card bears your game's serial number.

WARNING

THREE-WIRE PLUG. Prevent shock hazard and assure proper game operation! Only plug this game into a properly grounded outlet. **DO NOT** use a "cheater" plug to defeat the power cord's ground pin. **DO NOT** cut off the ground pin.

RF-INTERFERENCE NOTICE

YOUR GAME'S CABLE-HARNESS PLACEMENT and ground-strap routing are very important. They are designed to keep RF radiation and conduction within levels accepted by FCC Regulations.

MAINTAIN THESE LEVELS. Servicing may require that you disconnect harnesses or ground straps. When you're finished, reposition and reconnect them as they were.

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