Bally®

1966

PARTS CATALOG

BALLY MANUFACTURING COMPANY
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BALLY MANUFACTURING COMPANY

2640 Belmont Avenue

Chicago, Illinois 60618

Since 1931 and  BALLYHOO

...the continued success of Ballygames is the result of a happy combination of tested play-appeal, colorful eye-appeal and dependable performance engineered into every part assembled into Ballygames.

When games are as busy on location as Ballygames are, various parts will require occasional replacement for smooth operation and maximum earnings.

The purpose of the Bally Parts Catalog is to permit operators of Bally Flipper-Type Pinball Games to obtain genuine Bally parts quickly and correctly from Bally Distributors, who are organized to assist the operator in maintaining continuous play and profits during the long life on location which Ballygames enjoy.

Included in the Catalog are a Lubrication Guide and brief adjustment instructions, which are useful in routine maintenance.

BALLY MANUFACTURING COMPANY

2640 Belmont Avenue, Chicago, Illinois, 60618...Cable Address BALFAN

Bally®-BRIGHT games are money-making games. Play-appeal holds the players, but the first attraction is eye-appeal.

Keep games Bally-bright, clean and well lighted for maximum earning-power. Clean playfield and arch once a week. Replace burned out lamps promptly.

CAUTION!

Protect your investment.
Use only Genuine Bally Parts
to service Ballygames.

How to Avoid Delay When Ordering Parts

Always order by part number and description. Part number must include all letters indicated. Be sure to include name of game for which each part is ordered, together with additional specifications stated in the Catalog.

By reference to illustrations and detailed listing, then checking Numerical Parts List, the exact description, number and additional specifications of each part may easily be determined.

TABLE OF CONTENTS

1-4	Alphabetical Index
5, 6	Lubrication Guide
7	List of Games
8-29J	Specific Parts Data, Specific Games
30	Introduction, General Parts Catalog
30A, 30B	Trip Relays and Resets
31	Interlock Relays, "KK" Type Relays Score Motor Switch Actuators
31A-32	Score Motor Assys.
33-34	Added Balls, Counters, Replay Counters
35-36D	Score Counter Units
37	Continuous Stepping Units
38	Match Units with Bell
39	Full Reset Stepping Units
40	Single-Step Reset Units
41	Advance Units
42	Target Selector Assy.
43	Ball-Shooter Assy., Front Cabinet (Outside)
44	Ball-Lifter Assy., Front Cabinet (Outside)
44A, 44B	Notes
45	Automatic Ball-Return, E-Z Latch Parts
46	E-Z Latch Parts, Front Cabinet (Inside)
47	Front Cabinet (Inside), Front Door
47A-47C	Notes
47D-48	Coin-Switch & Rejector Mounting Assys.
49	Bounce-Switch, Lamp Sockets, Sounder Assy., Tilt-Switch
50	Mushroom Bumper Assy., Rebound-Switch, Target Switch
51-51B	Thumper Bumpers, Coil & Bracket Assys.
52	Bumper Switches, Standard Bumper
53, 54	Rollovers
55	Rollover-Buttons, Roll-Unders
56	Brackets & Wires
57	Swing-Type Free-Ball Gates
58	Swivel-Type Free-Ball Gates
59	4-Steps Ball Escape Assy.
60-60A	Sling-Shot Kicker Assys.
61, 62	Flipper Units
63	Ball-Ejector Assys.
64-66	Playfield Panel, Miscellaneous Parts
67	Back Cabinet, Miscellaneous Parts, Gong Assy.
68, 69	International Coin Mechanism Data
70	Alternator Units, International Coin Mechanism Data
71-73	International Coin Mechanism Data
74-100	Numerical Parts List

YOU CAN BANK ON A Bally® GAME

ALPHABETICAL INDEX

DESCRIPTION	PAGE
A	
ACES HIGH Parts Data	28
Actuator: See Switch-Actuator	
Added Balls Counter: See Counters	
Added Balls Number-Wheel: See Number-Wheel	
Adjuster, Leg: See Leg Adjuster	
Advance Unit	41
Advance Unit (Stepping Unit): See Specific Parts Data, Specific Game	
Alternator Unit	70
Arch, Back or Front	64
Arm,	
Flipper	61,62
Kicker	60
Lever	58,61,62
Reset, Trip Relay	30A
Rocker	35,36,41,69
Step-up: See details of various assys.	
Armature Latch: See Latch	
Armor: See Front Armor	
Automatic Ball-Return: See Ball Return	
AUSTRALIA: Coin-Mechanism	69
AUSTRIA: Coin-Mechanism	69
B	
Back Cabinet: See Cabinet	
Back Door: See Door	
Back Door Lock: See Lock Assy.	
Backglass	67
Back-up Plate: See details of various assys.	
Ball	46
Ball-Control Plate: See Plate	
Ball-Count Unit: See Specific Parts Data, Specific Game	
Ball-Ejector Assys.	45,63
Ball-Gate: See Gate	
Ball-Guide ("Banana Groove"): See Guide	
Ball-Lifter	44
Ball-Return	
Automatic	45
Manual	44
Ball-Return Guide: See Guide	
Ball-Stop,	
Ball-Trough & Switch Assys.	46
(Top of Ball-Lifter stroke)	44
Ball-Shooter Assy.	43
Ball-Tilt Assy.	46
Ball-Trough Assy.	45,46
BAND WAGON Parts Data	25
Base-Plate: See details of various assys.	
BELGIUM: Coin Mechanism	69
Bell Assy.	38
ALSO SEE: Gong Assy., Sounder Assy.	
BIG DAY Parts Data	20
BLUE RIBBON Parts Data	29B
Body, Bumper: See Bumper Assy.	
Bolt: See details of various assys.	
BONGO Parts Data	15
Bounce-Switch	49
Bracket: See details of various assys. ALSO SEE: Slug-Rejector Mounting Bracket	
Brake, Score Motor Assy.	32
BULLFIGHT Parts Data	23
Bumper Assy.,	
Mushroom	50
Standard	52
Thumper	51,52
Bushing: See details of various assys.	
BUS STOP Parts Data	22
Butterfly Rollover	53
Button,	
Flipper	43
Hold	19
Kicker	55
Replay	47
Scavenger	48A
Button-Switch	55
C	
Cabinet,	
Back	67
Front	43-47A
Cam Assy., Score Motor Assy.	31A-32
CANADA: Coin Mechanism See UNITED STATES: Coin Mechanism	
Cap, Bumper: See Bumper Assy.	
Cap, Flipper: See Flipper Assy.	
Card,	
Instructions	64
Score	64
Clip	46
Coil: See details of various assys.	
Coin-Box	46
Coin-Box Cover: See Cover	
Coin-Entry Assy.: See Coin-Mechanism Data	
Coin-Entry Plate: See Coin-Mechanism Data	
Coin-Mechanism Data	47-48A;68-73
Coin-Return Slide: See Slide	
Coin-Slide: See Slide	
Coin-Switch Assy	47D,48
Contact-Plate: See details of various assys.	
Continuous Stepping Unit: See Stepping Unit	
Core-Plug Assy.: See details of various assys.	
Corner-Casting	43
Cotter-Pin, Ball Ejector Assy.	45,63
Counter,	
Added Balls	33-34
Replay	33-34
Score	35,36C
Total Play	46
Cover,	
Coin-Box	46
Front Door	47
Rebound	66
Replay Counter	67
Switch	47,64
CROSS COUNTRY Parts Data	9
CUE-TEASE Parts Data	9
CYPRUS: Coin-Mechanism	69

ALPHABETICAL INDEX

DESCRIPTION	PAGE
D	
DENMARK: Coin-Mechanism	69
DISCOTEK Parts Data	29
Door,	
Back	67
Front	47
E	
Ejector: See Ball-Ejector Assy.	
Elevator Mounting Board	47
ENGLAND: Coin Mechanism	
See UNITED KINGDOM: Coin Mechanism	
Escape Assy.: See Free-Ball Escape Assy.	
"E-Z" Latch Parts	45,46
F	
50/50 Parts Data	27
50/50 Unit	27
FINLAND: Coin-Mechanism	70
Flipper Button: See Button	
FRANCE: Coin Mechanism	70
Free-Ball Escape Assy. (4-Steps)	59
Free-Ball Gate: See Gate	
Front Armor	46
Front Door: See Door	
Front Door Cover: See Cover	
Front Door Hinge	47
Front Door Lock: See Lock Assy.	
Front Door Trim	44
Front Moulding	43,44
Front Moulding Lock Assy.: See Lock Assy.	
Full Reset Stepping Unit: See Stepping Unit	
Fuse	46
Fuse-Block	46
G	
Games List	7
Gate,	
Ball	64
Free-Ball	57,58
ALSO SEE Free-Ball Escape Assy.	
Kickback Gate	
Gear, Score Motor	32
Gear Box Assy., Score Motor	32
GERMANY: Coin Mechanism	71
Glass: See Backglass	
Glass-Cushion, Rubber	43
Glass-Retainer (Backglass)	67
Glass-Retainer Latch: See Latch	
GOLD RUSH Parts Data	29H
GOLD RUSH (Add-A-Ball) Parts Data	29I
Gong Assy.	67
ALSO SEE Bell Assy.	
Sounder Assy.	
GRAND TOUR Parts Data	17
GREECE: Coin Mechanism	71
Grommet: See details of various assys.	

DESCRIPTION	PAGE
Guide,	
Ball-Return ("Banana Groove")	44
Ball-Return (Automatic)	45
Panel	46,47A
Push-Button	47B
ALSO SEE Rail, Guide	
Guide-Ring (Plunger): See details of various assys.	
H	
HAPPY TOUR Parts Data	18
HARVEST Parts Data	21
HAY-RIDE Parts Data	22
Hinge, Front Door	47
Hold Button: See Button	
Holder, Switch-Actuator	31
HOOTENANNY Parts Data	12
Hub, Number-Wheel & Hub Assy.	34
I	
Interlock Relay: See Relay	
Instructions Card: See Card	
Insulator, Coin-Switch Assy.	48A
ITALY: Coin Mechanism	71
J	
JAPAN: Coin-Mechanism	71
K	
Key-Hook	47
Kickback Gate	29E
Kicker Button: See Button	
"KK" Type Relay: See Relay	
L	
Lamp	67
Lamp-Shield: See Shield	
Lamp Socket	49,51,52
Latch,	
Armature	30B
Glass-Retainer	67
ALSO SEE Lock Assy.	
Latch-Lever (Front-Moulding)	45
Latch-Lever Assy. (Playfield Panel)	45,46
Latch-Lock Assy. (Playfield Panel)	45,46
Latch-Rail: See Rail	
Leg	44
Leg Adjuster	43
Lever Arm: See Arm	
Lock Assy.,	
Back Door	67
Front Door	47
Front Moulding	45,46
Panel Guide	46,47A
ALSO SEE Latch	

ALPHABETICAL INDEX

DESCRIPTION	PAGE
Lock-Cam	
Back Door	67
Front Door	47
Lubrication Guide	5,6
M	
MAD WORLD Parts Data	16
MAGIC CIRCLE Parts Data	26
Match (0-9) Unit	38
Match-Wheel Unit	29D
Mercury-Switch	47
Metal Post: See Post	
Meter (Total Play): See Counter	
MONTE CARLO Parts Data	14
MOON-SHOT Parts Data	8
Mounting Board, Elevator: See Elevator Mounting Board	
Motor, Score	31A-32
Mushroom Bumper: See Bumper Assy.	
Mystery Bonus	29H
N	
NETHERLANDS: Coin Mechanism	72
NORWAY: Coin-Mechanism	72
Number-Wheel Assy.	33A-34
Nut: See details of various assys.	
O	
Out-Hole Switch	53
P	
Panel Guide: See Guide	
Panel Guide Lock Assy.: See Lock Assy.	
Parts Data, Specific Games	
ACES HIGH	28
BAND WAGON	25
BIG DAY	20
BLUE RIBBON	29B
BONGO	15
BULLFIGHT	23
BUS STOP	22
CROSS COUNTRY	9
CUE-TEASE	9
DISCOTEK	29
50/50	27
GOLD RUSH	29H
GOLD RUSH (Add-A-Ball)	29I
GRAND TOUR	17
HAPPY TOUR	18
HARVEST	21
HAY-RIDE	22
HOOTENANNY	12
MAD WORLD	16
MAGIC CIRCLE	26
MONTE CARLO	14
MOON-SHOT	8
SHEBA	24
SIX STICKS	29E
SKY DIVERS	16

DESCRIPTION	PAGE
STAR-JET	13
3-IN-LINE	10
TRIO	29
TRIO (Add-A-Ball)	29B
2 IN 1	19
WILD WHEELS	29D
Parts List, Numerical	74-100
Pawl: See details of various assys.	
Pawl Extension	35,36
Plastic Post: See Post	
Plastic Shield: See Shield	
Plate,	
Armature	30B,31,57
Back-up: See details of various assys.	
Ball-Control	43
Base: See details of various assys.	
Coin-Entry	43
Contact: See details of various assys.	
Switch: See details of various assys.	
Player-up Unit: See Specific Parts Data, Specific Game	
Playfield	49-66
Plumb-Bob (Tilt)	47
Plunger: See details of various assys.	
Post,	
Metal	65
Plastic	65
Push-Button Guide: See Guide	
Pusher Assy. (Ball-Lifter)	44
R	
Rail,	
Front. See Front Moulding	
Guide	64,65
Latch (Playfield Panel)	65
Side (Stainless Steel)	44
Ratchet: See details of various assys.	
Rebound Assy.	66
Rebound-Barrier	56,57
Rebound Cover: See Cover	
Rebound Switch	50
Rejector: See Slug-Rejector	
Relay,	
Interlock	31
"KK" Type	31,57
Trip	30A,30B
Replay Button: See Button	
Replay Counter: See Counter	
Replay Counter Cover: See Cover	
Replay Counter Number-Wheel: See Number-Wheel Assy.	
Reset, Trip Relay	30A
ALSO SEE details of various assys.	
Resistor	47
Retaining-Ring: See details of various assys.	
Ring,	
Guide (Plunger): See details of various assys.	
Retaining: See details of various assys.	
Rubber	66
Rocker-Arm: See Arm	

ALPHABETICAL INDEX

DESCRIPTION	PAGE
Rollover	53-55
Roll-Under	55
Rotor,	
Coin-Switch Assy.	48,48A
Score Motor	31B,32
Rubber Ring: See Ring	

S

Scavenger Button: See Button	
Score Card: See Card	
Score Counter Number-Wheel: See Number-Wheel Assy.	
Score Counter Unit: See Counter	
Score Motor, Score Motor Assy.	31A-32
Screw: See details of various assys.	
SHEBA Parts Data	24
Shield,	
Lamp	65
Plastic	65
Single-Step Reset Stepping Unit: See Stepping Unit	
SIX STICKS Parts Data	29E
Skirt, Bumper: See Bumper Assy.	
SKY DIVERS Parts Data	16
Slide,	
Coin	46,47
Coin-Return	47
Sling-Shot Kicker Assy.	60
Slug-Rejector & Mounting Assy.	47-48A
Slug-Rejector Mounting Bracket	48
Socket, Lamp	49,51,52
Sounder Assy.	49
ALSO SEE Bell Assy.	
Gong Assy.	
Spring: See details of various assys.	
Spring-Stop	33,39,40
Spring-Trap	46
Standard Bumper: See Bumper Assy.	
STAR-JET Parts Data	13
Stator	31B,32
Stepping Unit,	
Continuous	37,38
Full Reset	39
Single-Step Reset	40
Step-up Arm: See details of various assys.	
SWEDEN: Coin-Mechanism	72
Switch: See details of various assys.	
ALSO SEE Bounce-Switch	
Button-Switch	
Coin-Switch Assy.	
Mercury-Switch	
Out-Hole Switch	
Rebound Switch	
Switch-Plate	
Target-Switch Assy.	
Tilt-Switch	

DESCRIPTION	PAGE
Switch-Actuator,	
Ball-Switch	46
"KK" Type Relay	31,57
Score Motor Assy.	31
Switch-Actuator Holder	31
Switch Cover: See Cover	
Switch-Plate: See details of various assys.	
Switch-Protector Bracket	47
SWITZERLAND: Coin-Mechanism	73

T

Target Control Unit: See Specific Parts Data, Specific Game	
Target-Kicker Assy.	59A
Target-Selector Unit	42
Target-Switch Assy.	50
3-IN-LINE Parts Data	10
Thumper Bumper Assy.: See Bumper Assy.	
Thumper Control Unit: See Specific Parts Data, Specific Game	
Tilt Assy., Ball	46
Tilt (Plumb-Bob Type)	47
Tilt-Switch	49
Tilt-Switch & Bracket Assy.	66
Total Play Counter (Meter): See Counter	
Trap: See Spring-Trap	
Trim, Front Door	44
TRIO Parts Data	29A
TRIO (Add-A-Ball) Parts Data	29B
Trip Relay: See Relay	
Trip Relay Reset	30A
Transformer	47
2 IN 1 Parts Data	19

U

UNITED KINGDOM: Coin Mechanism	73
UNITED STATES: Coin Mechanism	73

W

Washer: See details of various assys.	
Wheel: See Number-Wheel Assy.	
WILD WHEELS Parts Data	29D
Wiper Assy.: See details of various assys.	

LUBRICATION GUIDE

		Lubriplate (BLACK) (MO-LITH No. 2)	MBI Instrument Grease
BALL-EJECTOR ASSYS. (pages 45, 63)			
Plunger	DO NOT LUBRICATE!		
Ejector-Kicker pivot points			X
Linkage with Plunger			X
BALL-LIFTER ASSY.			
Pivot point between Ball-Lifter (P5923) and Bracket (P-5924)			X
BALL-LIFTER PUSHER ASSY.			
Rod at Bushing			X
Washer Assy. (Surface contacting Ball-Lifter)			X
BALL-SHOOTER ASSY.			
Rod			X
BALL-STOP ASSYS. (Ball-Trough)			
Plunger	DO NOT LUBRICATE!		
Fiber Link where attached to Ball-Stop			X
Pivot point between Ball-Stop and Bracket			X
FLIPPER ASSYS.			
Plunger	DO NOT LUBRICATE!		
Lever-Arm pivot point			X
Linkage with Plunger			X
FLIPPER BUTTON			
Shaft at Bushing			X
GONG ASSY.	NO LUBRICATION		
"KK" RELAYS	NO LUBRICATION		
SCORE-MOTOR ASSY.			
Outside edges of Cams			X
Gears	FACTORY-LUBRICATED		
Gears replaced in field			X

LUBRICATION GUIDE

	FINE OIL (3-In-1)	Lubriplate (BLACK) (MO-LITH No. 2)	MBI Instrument Grease
SLING-SHOT KICKER ASSYS.			
Plunger	DO NOT LUBRICATE!		
Kicker-Arm pivot point			X
Linkage with Plunger			X
SLUG-REJECTOR	NO LUBRICATION		
SLUG-REJECTOR MTG. ASSYS.			
Coin-Switch Rotor	X		
Scavanger-Link pivot points			X
SOUNDER ASSY.	NO LUBRICATION		
STEPPING UNITS			
Plungers	DO NOT LUBRICATE!		
Contact-Plate segments and Rivets			X
Ratchet Shafts			X
Reset Pawl pivot points			X
Step-up Arm pivot points			X
SWIVEL-TYPE FREE-BALL GATE ASSYS. Same as Flipper Assys.			
TRIP-RELAY BANKS			
Plunger	DO NOT LUBRICATE!		
All bearing points			X
Linkage between Reset-Arm and Plunger			X
Top of Armatures (at "ear")			X
THUMPER-BUMPER ASSYS.			
Plunger	DO NOT LUBRICATE!		
Linkage-Lubriplate in slot at top of Plunger between Bakelite and Metal Plates			X

BALLY FLIPPER TYPE GAMES

NUMBER IN PARENTHESES INDICATES NUMBER OF PLAYERS

Listed Chronologically

NO.	NAME	DATE
1	MOON-SHOT (1)	February, 1963
2	CROSS COUNTRY (1)	March, 1963
3	CUE-TEASE (2)	July, 1963
4	3-IN-LINE (4)	July, 1963
5	HOOTENANNY (1)	November, 1963
6	STAR-JET (2)	December, 1963
7	MONTE CARLO (1)	February, 1964
8	BONGO (2)	March, 1964
9	SKY DIVERS (1)	April, 1964
10	MAD WORLD (2)	May, 1964
11	GRAND TOUR (1)	June, 1964
12	HAPPY TOUR (1)*	June, 1964
13	2 IN 1 (2)	July, 1964
14	BIG DAY (4)	August, 1964
15	HARVEST (1)	October, 1964
16	HAY-RIDE (1)*	October, 1964
17	BUS STOP (2)	December, 1964
18	BULLFIGHT (1)	January, 1965
19	SHEBA (2)	February, 1965
20	BAND WAGON (4)	March, 1965
21	MAGIC CIRCLE (1)	June, 1965
22	50/50 (2)	July, 1965
23	ACES HIGH (4)	August, 1965
24	DISCOTEK (2)	September, 1965
25	TRIO (1)	November, 1965
26	TRIO (1)*	November, 1965
27	BLUE RIBBON (4)	December, 1965
28	WILD WHEELS (2)	February, 1966
29	SIX STICKS (6)	March, 1966
30	GOLD RUSH (1)	April, 1966
31	GOLD RUSH (1)*	April, 1966

Listed Alphabetically

NAME	NO. IN LIST AT LEFT
ACES HIGH (4)	23
BAND WAGON (4)	20
BIG DAY (4)	14
BLUE RIBBON (4)	27
BULLFIGHT (1)	18
BUS STOP (2)	17
BONGO (2)	8
CROSS COUNTRY (1)	2
CUE-TEASE (2)	3
DISCOTEK (2)	24
50/50 (2)	22
GOLD RUSH (1)	30
GOLD RUSH (1)*	31
GRAND TOUR (1)	11
HAPPY TOUR (1)*	12
HARVEST (1)	15
HAY-RIDE (1)*	16
HOOTENANNY (1)	5
MAD WORLD (2)	10
MAGIC CIRCLE (1)	21
MONTE CARLO (1)	7
MOON-SHOT (1)	1
SHEBA (2)	19
SIX STICKS (6)	29
SKY DIVERS (1)	9
STAR-JET (2)	6
3-IN-LINE (4)	4
TRIO (1)	25
TRIO (1)*	26
2 IN 1 (2)	13
WILD WHEELS (2)	28

*ADD-A-BALL MODEL OF PRECEDING GAME

SPECIFIC PARTS DATA Listed chronologically by games

Parts not listed in specific parts data should be ordered in accordance with instructions in other pages of Catalog. Reference to LEFT or RIGHT indicates relative position of Switch, looked at from lug side.

MOON-SHOT

DESCRIPTION	PART NO.
Backglass	G-332
Ball-Trough & Switch Assy.	AS-1145-30
Ball-Stop Assy.	AS-1566-1
Ball Lock & Bracket Assy.	A-1876-1
Coil	E-184-191
Coil Bracket	P-108-35
Guide Ring	C-342
Link	P-6006
Plunger	S-496-161
Retaining-Ring	P-2891-5
Roll-Pin	P-1637-16
Spring (Extension)	SP-100-177
Switch	SW-120-34
Switch-Plate	P-137-5
Ball-Switch	
Count positions from Ball-Shooter side of game	
Position 4	SW-100-357
Position 5	SW-100-357
Ball-Switch Actuator	M-497-8
Ball-Trough Assy.	A-2729-1
Clip	
1/8 in. dia. x 11/32 in.	C-271-2
1/4 in. dia. x 7/16 in.	C-271-4
Relays, "KK" Type	
3 Bank	
Same Coil and Frame on all 3 relays	
Coil	C-7800-333
Frame	A-604D-5
1 POINT	
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-32H
10 POINTS	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAB-18H
100 POINTS	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-28H
7 Bank (Mounting Board)	
25c	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AB-2H-4
RIGHT	AAAB-8H-4
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-8H-9A
5 POINTS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-8H-4
OUT-HOLE SCORING	
Coil, Frame same as 5 POINTS Relay	
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAA-9H-4
ADVANCE	
Coil, Frame same as 5 POINTS Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-2H-4
50 POINTS	
Coil, Frame same as 5 POINTS Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	B-1H-4
RIGHT	AAAA-8H-4
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-2H-4
7 Bank (Playfield Panel)	
GREEN THUMPER CONTROL	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-3/16 in.
Switch (Z-1150-21 series)	ACC-1H-4
YELLOW THUMPER CONTROL	
Detail same as GREEN THUMPER CONTROL Relay	
GREEN THUMPER BUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-28H
YELLOW THUMPER BUMPER	
Detail same as GREEN THUMPER BUMPER Relay	
ALTERNATING	
Coil	C-7800-336
Frame	A-604-5
Screw, Switch	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	ABCC-9H-4
ROLL-UNDER	
Coil, Frame same as ALTERNATING Relay	
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AB-3H-4
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-8H-9A
Relays, Trip	
4 Bank	
Same Coil and Switch on all 4 relays	
Coil	E-184-156
Switch	SW-110-71
Reset Mechanism	
Coil	E-184-196
Core-Plug	AS-586-16
Main-Shaft	S-164-38
Reset-Shaft	A-2195-11
Tie-Rod	S-1275-116
11 Bank	
START	
Coil	E-184-187
Switch	SW-102-9
Same Coil on all other relays in bank	
Coil	E-184-155
Following references are to switches	
TILT	SW-002-9
GAME OVER	SW-110-71
RESET	
LEFT	SW-031-3
RIGHT	SW-020-7
1000 LITE	
Same Switch on all 5 ROLLOVER Relays	
Switch	SW-020-7
1 TO 5 SEQUENCE	SW-201-12
Reset Mechanism	
Coil	E-184-87
Core-Plug	AS-586-5
Main-Shaft	S-164-29
Reset-Shaft	A-2195-5
Tie-Rod	S-1275-74
Score-Motor Assy.	AS-2215
Cam Assy.	A-2725
Switch	
Position 1	
Lowest level	SW-300-44
Second level	
WIRED TO Orange-Green, Yellow-Red	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-240-2
Position 2	
Second level	
WIRED TO Green (Plastic), Brown (Plastic)	SW-010-139
OTHER 2 switches on second level	SW-020-42
Third level	SW-120-33
Position 3	
Second level	SW-010-141
Fourth level	SW-120-34
WIRED TO Orange-Green, Brown	SW-100-356
WIRED TO Orange-Black, Blue, Orange-White	SW-001-46
Position 4	
Second level	
WIRED TO White-Brown, Red-Yellow	SW-010-141
WIRED TO Blue-Red, Gray	SW-010-140
Third level	SW-230-7
Stepping Units, Continuous	
Advance Unit	
Coil	CO-25GG-7
Contact-Plate (wired)	W-992
Ratchet & Shaft	C-1050
Spring (Extension)	SP-100-119
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-372
Match (0-9) Unit	
Detail same as Advance Unit, excepting	
Contact-Plate (wired)	W-994
Wiper Assy.	AS-1046-373

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

CROSS COUNTRY

DESCRIPTION	PART NO.
Backglass	G-332-1
Ball-Trough & Switch Assy.	
Same as in MOON-SHOT	
Relays, "KK" Type	
Single Relay	
FREE BALL GATE	
As illustrated, page 57, with	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AD-1H-4
5 Bank	
TOP REBOUND	
Coil	C-7800-336
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AC-2H-4
RIGHT	AACC-6H-4
LEFT THUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-30H
TOP THUMPER	
Detail same as LEFT THUMPER Relay	
RIGHT THUMPER	
Detail same as LEFT THUMPER Relay	
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-1H-4
7 Bank (Mounting Board)	
25c	
Coil	C-7800-334
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-2 series)	
LEFT	AC-12H
RIGHT	AABB-14H
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-8H-9A
5 POINTS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-17H
OUT-HOLE	
Detail same as 5 POINTS Relay	

DESCRIPTION	PART NO.
ADVANCE	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAA-28H
50 POINTS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-17H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-29H
7 Bank (Back-Box Insert)	
100 POINTS	
Coil	C-7800-333
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-32H
10 POINTS	
Coil, Frame same as 100 POINTS Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAB-19H
1 POINT	
Coil, Frame same as 100 POINTS Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAB-19H
THUMPER CONTROL	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-1H-4
RED ROLLOVER	
Coil, Frame same as THUMPER CONTROL Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AABB-16H

DESCRIPTION	PART NO.
GREEN ROLLOVER	
Detail same as RED ROLLOVER Relay	
BLUE ROLLOVER	
Detail same as RED ROLLOVER Relay	
Relays, Trip	
4 Bank	
Detail same as MOON-SHOT 4 Bank	
11 Bank	
Detail same as MOON-SHOT 11 Bank excepting in ROLLOVER Relays	
Switch	SW-120-27
Score Motor Assy.	AS-2215-2
Cam Assy.	A-2725
Switch	
Position 1	
Lowest level	SW-300-44
Second level	
WIRED TO White-Blue, Gray-Red	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-240-2
Position 2	
Second level	
WIRED Green (Plastic), Brown (Plastic)	SW-010-139
OTHER 2 switches on second level	SW-020-42
Third level	SW-120-33
Position 3	
Second level	SW-010-141
Fourth level	
WIRED TO Brown, Red	SW-100-356
WIRED TO White-Green, Gray-Black, White-Red	SW-001-46
Position 4	
Second level	
WIRED TO Red-White, Gray	SW-010-141
WIRED TO Green-Black, Orange-White	SW-010-140
Third level	SW-230-7
Stepping Unit, Continuous	
Match (0-9) Unit	
Detail same as MOON-SHOT Match Unit, excepting	
Contact-Plate (wired)	W-881-3
Wiper Assy.	AS-1046-384
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1000
Escapement Pawl	P-3387-1
Ratchet & Shaft	C-100-24
Reset Pawl Assy.	A-1766-2
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-383

CUE-TEASE

Backglass	G-332-2
Ball-Trough & Switch Assy.	AS-1145-33
Ball-Stop Assy.	AS-1566-2
Detail same as MOON-SHOT Ball-Stop Assy., excepting	
Ball-Lock & Bracket Assy.	A-1876-3
Switch	NONE
Ball-Switch	
Count positions from Ball-Shooter side of game	
Position 1	SW-100-376
Position 2	SW-100-357
Ball-Switch Actuator	M-497-8
Ball-Trough Assy.	A-2729-3
Ball-Trough Runway	P-364-20
Clip	C-271-3
Switch-Plate	P-137-5

Relays, "KK" Type	
3 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48x13/16 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAA-28H
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48x1/2 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-31H
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48x1-1/16 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AAA-20H
RIGHT	AAAA-33H

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

CUE-TEASE

DESCRIPTION	PART NO.
5 Bank	
A	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48x7/8 in.
RIGHT SWITCH	3-48x1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AC-2H-4
RIGHT	ABBC-4H-4
B	
Detail same as A Relay	
C	
Detail same as A Relay	
RED THUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	3-48x1-1/16 in.
Switch (Z-1150-21 series)	AAA-17H
GREEN THUMPER	
Detail same as RED THUMPER Relay	
10 Bank	
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48x1-1/2 in.
Switch (Z-1150-21 series)	AAAB-20H
ANTI-CHEAT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48x7/8 in.
Switch (Z-1150-21 series)	AC-12H
2ND COIN	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48x1-7/16 in.
Switch (Z-1150-21 series)	AAAA-31H
25¢	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48x1/2 in.
RIGHT SWITCH	3-48x1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAB-16H-9A
OUTHOLE	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48x1/2 in.
RIGHT SWITCH	3-48x1-9/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAB-15H

DESCRIPTION	PART NO.
50 V. HOLD	
Coil, Frame same as ANTI-CHEAT Relay	
Screw, Switch	3-48x1-1/2 in.
Switch (Z-1150-21 series)	AABB-5H-4
TARGET	
Coil	C-7800-331
Frame	A-604A-5
Screw, Switch	
LEFT SWITCH	3-48x1/2 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-18H
TARGET UNIT	
Coil, Frame same as MATCH Relay	
Screw, Switch	3-48x1-1/16 in.
Switch (Z-1150-21 series)	AAA-17H
50 POINT	
Coil, Frame same as OUTHOLE Relay	
Screw, Switch	3-48x1-1/16 in.
Switch (Z-1150-21 series)	AAA-17H
TILT	
Coil	C-7800-336
Frame	A-604-5
Screw, Switch	3-48x9/16 in.
Switch (Z-1150-21 series)	B-1H-4
Relays, Trip	
8 Bank	
Same Coil in START and 2 CAN PLAY Relays	
Coil	E-184-187
Same Coil on other 6 relays in bank	
Coil	E-184-155
Following references are to switches	
START	
LEFT	SW-201-12
RIGHT	SW-201-13
RESET	
LEFT	SW-040-8
RIGHT	SW-031-5
GAME OVER	SW-011-17
1ST PLAYER TILT	
LEFT	SW-002-7
RIGHT	SW-111-3
2ND PLAYER TILT	
LEFT	SW-001-2
RIGHT	SW-111-3
2 CAN PLAY	
LEFT	SW-202-1
RIGHT	SW-121-2
1ST PLAYER 1000	SW-210-26
2ND PLAYER 1000	SW-210-26
Reset Mechanism	
Coil	E-184-94
Core-Plug Assy.	AS-586-5
Main-Shaft	S-164-39
Reset-Shaft	A-2195-12
Tie-Rod	S-1275-121

DESCRIPTION	PART NO.
Score Motor Assy.	AS-2215-3
Cam Assy.	A-2725
Switch	
Position 1	
Lowest level	SW-200-108
Second level	
WIRED TO Orange-Black, White-Green	SW-010-141
WIRED TO Green, Blue-White	SW-100-372
Third level	SW-140-9
Position 2	
Second level	
WIRED TO Brown (Plastic), Orange (Plastic)	SW-010-139
OTHER 2 switches on second level	SW-020-42
Third level	SW-130-13
Position 3	
Second level	
WIRED TO Brown, White-Green	SW-010-141
WIRED TO Green, Red-Green	SW-100-372
Fourth level	
WIRED	SW-003-5
NOT WIRED (Idler)	SW-000-31
Position 4	
Second level	
WIRED TO Orange-Green, Gray-Black	SW-100-384
WIRED TO Yellow (Plastic), Black (Plastic)	SW-100-385
Third level	SW-120-33
Stepping Units, Continuous	
Match (0-9) Unit	
Detail same as MOON-SHOT Match Unit, excepting	
Contact-Plate (wired)	W-1007
Wiper Assy.	AS-1046-385
Target Score Control Unit it	
Coil	CO-25GG-7
Contact-Plate (wired)	W-1005
Ratchet	C-1050
Spring (Extension)	SP-100-119
Step-up Arm Assy.	A-1765-8
Switch	SW-010-121
Wiper Assy.	AS-1046-390
Stepping Unit, Full Reset	
Player-up Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1004
Ratchet	C-1050-10
Step-up Arm Assy.	A-1765-4
Switch	SW-101-29
Wiper Assy.	AS-1046-389

3-IN-LINE

Backglass	G-332-4
Ball-Trough & Switch Assy.	AS-1145-35
Ball-Stop Assy.	
Same as CUE-TEASE Ball-Stop Assy.	
Ball-Switch	SW-100-376
Ball-Switch Actuator	M-497-8
Ball-Trough Assy.	A-2729-2
Ball-Trough Runway	P-364-20
Clip	C-271-2
Switch-Plate	P-137-5

DESCRIPTION	PART NO.
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	3-48x1-7/16 in.
Switch (Z-1150-21 series)	AAAA-20H
3 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48x1/2 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-32H
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48x13/16 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAA-34H
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48x1-7/16 in.
Switch	AAAA-32H
5 Bank	
Same Frame in all 5 relays	
Frame	A-604-5

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

3-IN-LINE

DESCRIPTION	PART NO.
SCORE RESET NO. 2	
Coil	C-7800-333
Screw, Switch	
LEFT SWITCH	3-48x13/16 in.
RIGHT SWITCH	3-48x1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAA-2H-4
SCORE RESET NO. 1	
Detail same as SCORE RESET NO. 2 Relay	
50 POINT	
Coil	C-7800-331
Screw, Switch	3-48x1-1/8 in.
Switch (Z-1150-21 series)	AAA-1H-4
TOP ROLLOVER	
Coil	C-7800-331
Screw, Switch	3-48x1-1/2 in.
Switch (Z-1150-21 series)	AAAB-3H-4
THUMPER CONTROL	
Coil	C-7800-332
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-1H-4
13 Bank	
25¢	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	BC-1H-4
RIGHT	AAAB-17H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAB-3H-4
ALL TARGETS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-1H-4
RIGHT	AAAA-2H-4
TARGET SCORE	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in
Switch (Z-1150-21 series)	A-8H-9A
COIN	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-2H-4
ANTI-CHEAT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	ABC-16H
OUT-HOLE	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AAAB-3H-4
RIGHT	AAAA-2H-4
HOLD 50 V.	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	BBB-1H-4
RIGHT	AAAB-3H-4
1ST PLAYER COUNT	
Coil	C-7800-336
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AA-1H-4
RIGHT	AAAA-2H-4
2ND PLAYER COUNT	
Detail same as 1ST PLAYER COUNT Relay	
3RD PLAYER COUNT	
Detail same as 1ST PLAYER COUNT Relay	
4TH PLAYER COUNT	
Detail same as 1ST PLAYER COUNT Relay	
TARGET RESET	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-8H-4
Relay, Trip	
10 Bank	
Same Coil on all relays	
Coil	E-184-156
Following references are to switches	
NO. 9 TARGET	
LEFT	SW-201-12
RIGHT	SW-100-61
NO. 8 TARGET	
Same Switches as NO. 9 TARGET Relay	
NO. 7 TARGET	
Same Switches as NO. 9 TARGET Relay	
NO. 6 TARGET	
LEFT	SW-201-12
RIGHT	SW-200-78
NO. 5 TARGET	
Same Switches as NO. 9 TARGET Relay	
NO. 4 TARGET	
Same Switches as NO. 9 TARGET Relay	
NO. 3 TARGET	SW-201-12
NO. 2 TARGET	
Same Switches as NO. 6 TARGET Relay	
NO. 1 TARGET	
Same Switches as NO. 9 TARGET Relay	
TARGET CHANGER	SW-112-6
Reset Mechanism	
Coil	E-184-94
Core-Plug Assy.	AS-586-5
Main-Shaft	S-164-16
Reset-Shaft	A-2195-14
Tie-Rod	S-1275-125
16 Bank (8 and 8)	
START	
Coil	E-184-187
Switch	
LEFT	SW-201-13
RIGHT	SW-201-12
Same Coil on other relays in bank	
Coil	E-184-155
Following references are to switches	
GAME OVER	
LEFT	SW-022-4
RIGHT	SW-400-12
1ST RESET	
LEFT	SW-201-12
RIGHT	SW-001-2
2ND RESET	
LEFT	SW-211-4
RIGHT	SW-010-15
1ST TILT	
LEFT	SW-210-26
RIGHT	SW-012-2
2ND PLAYER	
LEFT	SW-121-2
RIGHT	SW-201-12
2ND TILT	
LEFT	SW-210-26
RIGHT	SW-011-17
3RD PLAYER	
Switches same as 2ND PLAYER Relay	
3RD TILT	
Switches same as 2ND TILT Relay	
4TH PLAYER	
LEFT	SW-121-2
RIGHT	SW-111-3
4TH TILT	
Switches same as 2ND TILT Relay	
Same Switch on 4 other relays in bank	
Switch	SW-200-78
Reset Mechanism	
Coil	
LEFT 8 BANK	E-184-94
RIGHT 8 BANK	E-184-94
Core-Plug Assy.	
LEFT 8 BANK	AS-586-5
RIGHT 8 BANK	AS-586-10
Main-Shaft	
LEFT 8 BANK	S-164-22
RIGHT 8 BANK	S-164-23
Reset-Shaft	A-2195-15
Tie-Rod	S-1275-59
Score Motor Assy.	AS-2215-8
Cam Assy.	A-2725-1
Switch	
Position 1	
Lowest level	SW-400-18
Second level	
WIRED TO White-Green, White-Blue	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-160-3
Fourth level	SW-100-386
Position 2	
Second level	
WIRED TO Black (Plastic), Brown (Plastic)	SW-010-139
OTHER 3 switches on second level	SW-120-37
Third level	SW-130-14
Position 3	
Second level	
WIRED TO Brown-White, White-Black	SW-100-389
WIRED TO Yellow-Brown, Blue-Orange	SW-100-388
Position 4	
Second level	SW-010-141
Third level	SW-140-10
Stepping Unit, Continuous	
Match (0-9) Unit	
Coil	CO-25GG-7
Contact Plate (wired)	W-1007-3
Ratchet	C-1060
Spring (Extension)	SP-100-119
Step up Arm Assy.	A-1765-13
Wiper Assy.	AS-1046-400
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1000-1
Escapement Pawl	P-3387-1
Ratchet	C-100-40
Reset Pawl Assy.	A-1766-2
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-383
Stepping Unit, Full Reset	
Player-up Unit	
Detail same as CUE-TEASE Player-up Unit, excepting	
Contact Plate (wired)	W-1004-2
Ratchet	C-1050-20
Wiper Assy.	AS-1046-402

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

HOOTENANNY

DESCRIPTION	PART NO.
Backglass	G-332-5
Ball-Trough & Switch Assy.	
Same as in MOON SHOT	
Free-Ball Gate Assys.	
Gate No. 1	AS-1587-17
As illustrated, page 58, with	
FASTENER (Retaining Ring)	P-6231-2
Lever Arm Assy.	A-1889-6
Plunger Assy.	A-2857-1
Screw, Switch	MS-540-7-110
Switch	SW-010-138
Gate No. 2	AS-1587-16
Same as Gate No. 1, excepting	
Screw, Switch	MS-540-18-110
Switch	SW-120-38
Free-Ball Gate Wires	
Gate No. 1	M-1335
Gate No. 2	M-1335
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-41J
5 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAA-25J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-17J-9A
RIGHT	AAAB-25J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-40J
ADV. RESET	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-26H
THUMPER CONTROL	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
6 Bank	
25¢	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-20H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-16H-9A
50 POINT	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ADVANCE	
Coil, Frame same as 50 POINT Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-23H
20 POINT	
Detail same as 50 POINT Relay	
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-37H
Relays, Trip	
12 Bank (9 and 3)	
START	
Coil	E-184-187
Switch	SW-102-9
Same Coil on all other relays in 9 Bank	
Coil	E-184-155
Following references are to switches	
TILT	SW-011-17
GAME OVER	SW-110-71
RESET	
LEFT	SW-021-5
RIGHT	SW-030-6
1000 TRIP	SW-210-26
A	
LEFT	SW-011-17
RIGHT	SW-110-71
B	
Same Switches as A Relay	
C	
Same Switches as A Relay	
D	
Same Switches as A Relay	
Same Coil in all relays in 3 Bank	
Coil	E-184-156
Following references are to switches	
NO. 1 TARGET	
LEFT	SW-210-26
RIGHT	SW-001-2
NO. 2 TARGET	
Same Switches as NO. 1 TARGET Relay	
NO. 3 TARGET	
LEFT	SW-111-3
RIGHT	SW-001-2
Reset Mechanism	
Coil	
9 BANK	E-184-94
3 BANK	E-184-196
Core-Plug Assy.	
9 BANK	AS-586-5
3 BANK	AS-586-10
Main-Shaft	
9 BANK	S-164-30
3 BANK	S-164-42
Reset-Shaft	
9 BANK	A-2195-6
3 BANK	A-2195-24
Tie-Rod	S-1275-87
Score-Motor Assy.	AS-2215-5
Cam Assy.	A-2725-2
Switch	
Position 1	
Lowest level	SW-200-108
Second level	
WIRED TO Brown-White, White-Blue	SW-010-141
OTHER switch on second level	SW-100-372
Third level	SW-240-2
Position 2	
Second level	
WIRED TO Brown (Plastic), Red (Plastic)	SW-010-139
OTHER switch on second level	SW-010-140
Third level	SW-130-13
Position 3	
Second level	
WIRED TO White-Black, White-Blue	SW-010-141
OTHER switch on second level	SW-100-372
Position 4	
Second level	SW-010-141
Third level	SW-120-33
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Coil	E-184-205
Contact-Plate (wired)	W-1034
Ratchet	C-1050
Spring	SP-100-125
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-395
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1000-1
Escapement Pawl	P-3387-1
Ratchet	C-100-40
Reset Pawl Assy.	A-1766-2
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-383
Stepping Unit, Full Reset	
Advance Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1036
Ratchet	C-1050-10-42
Step-up Arm Assy.	A-1765-8
Switch	
Operate at top	SW-100-116
Step-up Arm	SW-100-149
Wiper Assy.	AS-1046-423

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

STAR-JET

DESCRIPTION	PART NO.
Backglass	G-332-6
Ball-Trough & Switch Assy.	AS-1145-36
Ball-Stop Assy.	
RIGHT	
(Looked at from front of game)	
Same as CUE-TEASE Ball-Stop Assy	
LEFT	AS-1566-4
Detail same as CUE-TEASE Ball-Stop Assy., excepting	
Ball-Lock & Bracket Assy.	A-1876-1
Switch	SW-001-52
Switch-Plate	P-137-5
Ball-Stop Bracket	P-6213
Ball-Switch	
Count positions from Ball-Shooter side of game	
Positions 1, 2, 3	SW-100-357
Position 4	SW-010-153
Position 5	SW-100-357
Ball-Switch Actuator	
Count positions from Ball-Shooter side of game	
Position 1	M-497-10
Position 2	M-497-8
Position 3	M-497-11
Position 4	M-497-8
Position 5	M-497-9
Ball-Trough Assy.	A-2729-5
Ball-Trough Runway	P-364-21
Clip	C-271-4
Spring-Trap	M-1334
Switch-Plate	P-137-5
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-41J
NO. 2 HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15-H-4
RIGHT	AACC-10H-4
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-23J-4
RIGHT	AAAA-38J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAA-24J-4
RIGHT	AAAB-24J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screws, Switch, same as 10 POINT Relay	
Switch (Z-1150-21 series)	
LEFT	AAA-24J-4
RIGHT	AAAA-39J-9A
THUMPER CONTROL	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4

DESCRIPTION	PART NO.
13 Bank	
25c	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-21H
2ND COIN	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-37H
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-23H
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABB-18H-4
OUT HOLE	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-3/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	ACC-11H-4
RIGHT	ACCC-6H
NO. 1 HOLE	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	ABC-17H-4
RIGHT	AAAB-28H-4
NO. 2 HOLE	
Coil, Frame same as No. 1 HOLE Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AC-13H-4
RIGHT	AABC-22H-4
NO. 1 TARGET	
Coil	C-7800-334
Frame	A-604-5
Screws, Switch, same as HOLD Relay	
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-22H-4
NO. 2 TARGET	
Coil, Frame same as NO. 1 TARGET Relay	
Screws, Switch, same as HOLD Relay	
Switches same as HOLD Relay	
NO. 1 & 2 TARGET	
Coil, Frame same as NO. 1 TARGET Relay	
Screws, Switch, same as HOLD Relay	
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-29H
50 POINT	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4

DESCRIPTION	PART NO.
SHOOT AGAIN	
Coil	C-7800-331
Frame	A-604A-5
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-24H-4
Relay Trip	
5 Bank	
Same Coil and Switch on all 5 Relays	
Coil	E-184-156
Switch	SW-112-6
Reset Mechanism	
Coil	E-184-196
Core-Plug Assy.	AS-586-10
Main-Shaft	S-164-46
Reset-Shaft	A-2195-22
Tie-Rod	S-1275-137
8 Bank	
Same Coil in START and 2 CAN PLAY Relays	
Coil	E-184-187
Same Coil in other 6 relays in bank	
Coil	E-184-155
Following references are to switches:	
START	
LEFT	SW-220-2
RIGHT	SW-102-9
RESET	
LEFT	SW-040-8
RIGHT	SW-031-5
GAME OVER	
LEFT	SW-111-3
RIGHT	SW-020-7
1ST PLAYER TILT	
LEFT	SW-111-3
RIGHT	SW-121-2
2ND PLAYER TILT	
LEFT	SW-110-71
RIGHT	SW-121-2
2 CAN PLAY	
LEFT	SW-310-3
RIGHT	SW-121-2
1ST PLAYER 1000	SW-210-26
2ND PLAYER 1000	SW-210-26
Reset Mechanism	
Coil	E-184-94
Core-Plug Assy.	AS-586-5
Main-Shaft	S-164-23
Reset-Shaft	A-2195-15
Tie-Rod	S-1275-137
Score Motor Assy.	AS-2215-7
Cam Assy.	A-2725-2
Switch	
Position 1	
Lowest level	SW-300-44
Second level	
WIRED TO White-Green, Orange-Black	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-130-13
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-139
OTHER 2 switches on second level	SW-020-42
Third level	SW-050-4
Position 3	
Second level	
WIRED TO Brown, Green-Red	SW-100-384
WIRED TO Black-Red, Blue-Orange	SW-100-385
Position 4	
Second level	
WIRED TO Gray-Black, Brown	SW-100-384
WIRED TO Black (Plastic), Yellow (Plastic)	SW-100-385
Third level	SW-110-106

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

STAR-JET

DESCRIPTION	PART NO.
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Detail same as HOOTENANNY Match Unit	

DESCRIPTION	PART NO.
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Detail same as HOOTENANNY	
Thumper Control Unit	

DESCRIPTION	PART NO.
Stepping, Unit, Full Reset	
Player-Up Unit	
Base-Plate Assy.	A-1768
Contact-Plate (wired)	W-1004-4
Ratchet	C-1050-10
Step-up Arm Assy.	A-1765-8
Switch	
End of stroke	SW-100-149
Zero	SW-101-29
Wiper Assy.	AS-1046-427

MONTE CARLO

Backglass	G-332-8
Ball-Trough & Switch Assy.	AS-1145-39
Ball-Stop Assy.	
Same as MOON-SHOT Ball Stop Assy.	
Ball-Switch	SW-100-357
Same Switch in all 5 positions	
Ball-Switch Actuator	
Count positions from Ball-Shooter side of game	
Positions 1, 2, 3, 4	M-497-11
Position 5	M-497-8
Ball-Trough Assy.	A-2729-6
Ball-Trough Runway	P-364-20
Clip	
1/8 in. dia. x 11/32 in.	C-271-2
1/4 in. dia. x 7/16 in.	C-271-4
Relays, "KK" Type	
Single Relays	
CENTER THUMPER BUMPER	
Same as HOOTENANNY	
THUMPER BUMPER Relay	
TOP & BOTTOM THUMPER BUMPER	
LEFT & RIGHT THUMPER BUMPER	
Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-44J
5 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-52J
10 POINTS	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 3/4 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	AB-13J-4
RIGHT	AAAA-43J
100 POINTS	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
ADV. RESET	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-29H
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
7 Bank	
25c	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-23H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-16H-4
SERIES	
Coil	C-7800-251
Frame	A-604-5
Screw, Switch	3-48 x 3/4 in.
Switch (Z-1150-21 series)	AB-13J-4
50 POINTS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ADV.	
Coil, Frame same as 50 POINTS Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABC-20H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-37H
TAR. ADV.	
Coil, Frame same as 50 POINTS Relay	
Screw, Switch	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	AACC-10H-4
Relays, Trip	
15 Bank (10 and 5)	
START	
Coil	E-184-187
Switch	SW-102-9
Same Coil on all other relays in 10 Bank	
Coil	E-184-155
Following references are to switches	
TILT	SW-011-17
GAME OVER	SW-110-71
RESET	
LEFT	SW-021-5
RIGHT	SW-030-6
1000	SW-210-26
TOP LEFT ROLLOVER	
LEFT	SW-110-71
RIGHT	SW-110-71
W ROLLOVER	
Same as TOP LEFT ROLLOVER Relay	
I ROLLOVER	
Same as TOP LEFT ROLLOVER Relay	
N ROLLOVER	
Same as TOP LEFT ROLLOVER Relay	
TOP RIGHT ROLLOVER	
Same as TOP LEFT ROLLOVER Relay	
Same Coil, Switch, on all relays in 5 Bank	
Coil	E-184-156
Switch	
LEFT	SW-002-9
RIGHT	SW-101-23
Reset Mechanism	
Coil	
10 BANK	E-184-94
5 BANK	E-184-211
Core-Plug Assy.	
10 BANK	AS-586-5
5 BANK	AS-586-10
Main-Shaft	
10 BANK	S-164-25
5 BANK	S-164-46
Reset-Shaft	
10 BANK	A-2195-2
5 BANK	A-2195-22
Tie-Rod	S-1275-135
Score-Motor Assy.	AS-2215-12
Cam Assy.	A-2725-2
Switch	
Position 1	
Lowest level	SW-200-108
Second level	
WIRED TO White-Blue, Brown-White	SW-010-141
WIRED TO Red-Green, Green	SW-100-372
Third level	SW-230-7
Position 2	
Second level	
WIRED TO Red (Plastic), Brown (Plastic)	SW-010-139
WIRED TO Orange-Green, Orange	SW-010-140
Third level	SW-120-33
Position 3	
Second level	
WIRED TO White-Blue, Black-White	SW-010-141
WIRED TO Red, White-Red	SW-100-372
Position 4	
Third level	SW-120-33
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Detail same as HOOTENANNY Match Unit	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Detail same as HOOTENANNY	
Thumper Control Unit	
Stepping Unit, Full Reset	
Advance Unit	
Detail same as HOOTENANNY Advance Unit	

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BONGO

DESCRIPTION	PART NO.
Backglass	G-332-7
Ball-Trough & Switch Assy.	AS-1145-40
Ball-Stop Assy.	
Same as CUE-TEASE Ball-Stop Assy.	
Ball-Switch	SW-100-376
Ball-Switch Actuator	M-497-8
Ball-Trough Assy.	A-2729-2
Ball-Trough Runway	P-364-20
Clip	
1/8 in. dia. x 11/32 in.	C-271-2
3/16 in. dia. x 11/32 in.	C-271-3
Switch-Plate	P-137-5
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as HOOTENANNY	
THUMPER BUMPER Relay	
5 Bank	
SCORE RESET	
Coil	C-7800-333
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AAAA-45H-4
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-44J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screws, Switch, same as SCORE RESET Relay	
Switch (Z-1150-21 series)	
LEFT	AA-23J-4
RIGHT	AAAA-43J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-51J-4
THUMPER CONTROL	
Coil	C-7800 332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
13 Bank	
25c	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	BC-9H-4
RIGHT	AAAB-31H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-28H-4
ALL TARGETS	
Coil	C-7800-331
Frame	A-604-5
Screws, Switch, same as MATCH Relay	
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAA-45H-4

DESCRIPTION	PART NO.
TARGET SCORE	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-16H-9A
COIN	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-45H-4
ANTI-CHEAT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-3/16 in.
Switch (Z-1150-21 series)	ABC-18H
OUT-HOLE	
Coil, Frame same as MATCH Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAAB-28H-4
RIGHT	AAAA-45H-4
HOLD 50 V.	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	B-8H-4
RIGHT	AAAB-28H-4
1ST PLAYER COUNT	
Coil	C-7800-336
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AAAA-45H-4
2ND PLAYER COUNT	
Detail same as 1ST PLAYER COUNT Relay	
TARGET RESET	
Coil, Frame same as MATCH Relay	
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-16H-9A
50 POINTS	
Coil, Frame same as ALL TARGETS Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4
TOP ROLLOVER	
Coil, Frame same as ALL TARGETS Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-28H-4
Relays, Trip	
18 Bank (10 and 8)	
START	
Coil	E-184-187
Switch	
LEFT	SW-201-13
RIGHT	SW-201-12
Same Coil on all other relays in 8 Bank	
Coil	E-184-156
Following references are to switches	
GAME OVER	
LEFT	SW-022-4
RIGHT	SW-200-78
1ST RESET	
LEFT	SW-201-12
RIGHT	SW-010-15
1ST TILT	
LEFT	SW-012-2
RIGHT	SW-210-26
2ND PLAYER	
LEFT	SW-031-3
RIGHT	SW-201-12
2ND TILT	
LEFT	SW-210-26
RIGHT	SW-011-17

DESCRIPTION	PART NO.
1ST 1000	SW-210-26
2ND 1000	SW-210-26
Same Coil on all relays in 10 Bank	
Coil	E-184-155
Following references are to switches	
TARGET CHANGES	SW-112-6
NO. 1 TARGET	
LEFT	SW-201-12
RIGHT	SW-101-23
NO. 2 TARGET	
LEFT	SW-201-12
RIGHT	SW-201-12
NO. 3 TARGET	
LEFT	SW-201-12
RIGHT	SW-001-2
NO. 4 TARGET	
Same as NO. 1 TARGET Relay	
NO. 5 TARGET	
Same as NO. 1 TARGET Relay	
NO. 6 TARGET	
Same as NO. 2 TARGET Relay	
NO. 7 TARGET	
Same as NO. 1 TARGET Relay	
NO. 8 TARGET	
Same as NO. 1 TARGET Relay	
NO. 9 TARGET	
Same as NO. 1 TARGET Relay	
Reset Mechanism	
Coil	
10 BANK	E-184-94
8 BANK	E-184-94
Core-Plug Assy.	
10 BANK	AS-586-10
8 BANK	AS-586-5
Main-Shaft	
10 BANK	S-164-24
8 BANK	S-164-23
Reset-Shaft	
10 BANK	A-2195-2
8 BANK	A-2195-15
Tie-Rod	S-1275-76
Score-Motor Assy.	AS-2215-9
Cam Assy.	A-2725-1
Switch	
Position 1	
Lowest level	SW-400-18
Second level	
WIRED TO White-Green, White-Blue	SW-010-141
WIRED TO Yellow-Brown, Brown	SW-100-372
Third level	SW-160-3
Fourth level	SW-100-386
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-139
OTHER 3 switches on second level	SW-120-37
Third level	SW-120-33
Position 4	
Second level	SW-010-141
Third level	SW-140-10
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Coil	E-184-205
Contact-Plate (wired)	W-1007-3
Ratchet	C-1060
Spring (Extension)	SP-100-113
Step-up Arm Assy.	A-1765-13
Wiper Assy.	AS-1046-400
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Detail same as HOOTENANNY Thumper Control Unit	
Stepping Unit, Full Reset	
Player-up Unit	
Detail same as CUE-TEASE Player-up Unit, excepting	
Contact-Plate (wired)	W-1004-3
Wiper Assy.	AS-1046-406

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

SKY DIVERS

DESCRIPTION	PART NO.
Backglass	G-332-10
Ball-Trough & Switch Assy.	AS-1145-39
Same as MONTE CARLO Ball-Trough & Switch Assy.	
Plastic Shields (complete set)	M-1330-6
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER	
Same as HOOTENANNY THUMPER BUMPER Relay	
BONUS BALL GATE	
As illustrated, page 57, with	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4
FREE-BALL GATE	
As illustrated, page 36-R1, with	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 13/16 in.
Switch (Z-1150-21 series)	
LEFT	AABB-18H-4
RIGHT	AA-24H-4
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAB-33J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-23J-4
RIGHT	AAAB-24J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
9 Bank	
MULTIPLE PLAY COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-20H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-17J-9A
MUSHROOM SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-19J-4
50 POINTS	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ADVANCE	
Coil, Frame same as 50 POINTS Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAA-27H
RIGHT	AAAB-30H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-37H
A	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-28H-4
B	
Same as A Relay	
SKILL REBOUND	
Coil, Frame same as A Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4
Relays, Trip	
12 Bank (9 and 3)	
START	
Coil	E-184-187
Switch	
RIGHT	SW-100-49
LEFT	SW-102-11
Same Coil on other 8 relays in 9 Bank	
Coil	E-184-155
Following references are to switches	
TILT	SW-011-17
GAME OVER	SW-110-71
RESET	
RIGHT	SW-030-6
LEFT	SW-021-5
1000 TRIP	SW-210-26
Same Switches in all 4 ROLLOVER Relays	
RIGHT	SW-101-10
LEFT	SW-111-15
Same Coil, Switch in all 3 MUSHROOM Relays	
Coil	E-184-156
Switch	SW-111-15
Reset Mechanism	
Coil	
9 Bank	E-184-94
3 Bank	E-184-63
Core-Plug Assy.	
9 Bank	AS-586-5
3 Bank	AS-586-10
Main-Shaft	
9 Bank	S-164-30
3 Bank	S-164-42
Reset-Shaft	
9 Bank	A-2195-6
3 Bank	A-2195-24
Tie-Rod	S-1275-87
Score Motor Assy.	AS-2215-11
Cam Assy.	A-2725
Switch	
Position 1	
Lowest level	SW-200-108
Second level	
WIRED TO White-Blue, Brown-White	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-230-7
Position 2	
Second level	
WIRED TO Red (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-130-13
Position 3	
Second level	SW-010-141
Fourth level	
WIRED TO Green-Red, Yellow	SW-100-356
WIRED TO Gray-Black, Black-Red	SW-100-409
Position 4	
Second level	SW-100-384
Third level	SW-120-33
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as HOOTENANNY Match Unit, excepting	
Contact-Plate (Wired)	W-1034-1
Wiper Assy.	AS-1046-395
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	

MAD WORLD

Backglass	G-332-9
Ball-Trough & Switch Assy.	AS-1145-41
Detail same as STAR-JET	
Ball-Trough & Switch Assy., excepting	
Ball-Switch	
Count positions from Ball-Shooter side of game	
Position 1	SW-100-357
Position 2	SW-010-153
Position 3, 4	SW-100-357
Position 5	NONE
Ball-Switch Actuator	
Count positions from Ball-Shooter side of game	
Position 1	M-497-9
Position 2	M-497-8
Position 3	M-497-11
Position 4	M-497-10
Position 5	NONE
Ball-Trough Assy.	A-2729-7
Plastic Shields (complete set)	M-1330-5
Playfield Panel Latch-Rails	
LEFT	A-2900-2
RIGHT	P-6360-2
Relay, Interlock	
Coil	
Latch	C-7800-334
Relay	C-7800-331
Frame	Z-1154-2
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABC-25H-4

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

MAD WORLD

DESCRIPTION	PART NO.
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER	
Same as HOOTENANNY THUMPER BUMPER Relay	
GATE RELAY	
As illustrated, page 57, with	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	ABC-19H-4
4 Bank	
Coils, Frames same as in STAR-JET 4 Bank	
Following references are to Screws, Switches	
1 POINT	
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	AA-23J-4
RIGHT	AAAA-43J
10 POINTS	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAA-24J-4
RIGHT	AAAA-39J-9A
100 POINTS	
Same as 10 POINTS Relay	
THUMPER CONTROL	
Screw, Switch	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	BCCC-5H-4
12 Bank	
SINGLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	B-8H-4
RIGHT	AABC-24H
MULTIPLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AC-15H
RIGHT	AABC-24H
MULTIPLE PLAY	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-29H
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABB-18H-4
OUT-HOLE	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15-4
RIGHT	ACCC-8H
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-19J-4
SHOOT AGAIN	
Coil, Frame same as OUT-HOLE Relay	
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAB-16H-4
LEFT SPECIAL	
Coil	C-7800-335
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAC-20H
RIGHT SPECIAL	
Same as LEFT SPECIAL Relay	
EXIT ALLEY	
Coil, Frame same as OUT-HOLE Relay	
Switch, Screw	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H
Relays, Trip	
11 Bank (8 and 3)	
Same Coil in START and 2 CAN PLAY Relays	
Coil	E-184-187
Same Coil in other 6 relays in 8 Bank	
Coil	E-183-155
Following references are to switches	
START	
LEFT	SW-201-13
RIGHT	SW-101-10
RESET	
LEFT	SW-040-6
RIGHT	SW-031-3
GAME OVER	SW-111-15
1ST PLAYER TILT	
LEFT	SW-121-2
RIGHT	SW-111-15
2ND PLAYER TILT	
LEFT	SW-120-27
RIGHT	SW-111-15
2 CAN PLAY	
LEFT	SW-121-2
RIGHT	SW-310-3
1ST PLAYER 1000	SW-210-26
2ND PLAYER 1000	SW-210-26
Same Coil in all relays in 3 Bank	
Coil	E-184-156
Following references are to switches	
MUSHROOM ADVANCE NO. 1	SW-111-15
MUSHROOM ADVANCE NO. 2	
LEFT	SW-111-15
RIGHT	SW-100-49
MUSHROOM ADVANCE NO. 3	
Same as MUSHROOM ADVANCE NO. 2 Relay	
Reset Mechanism	
Coil	
8 BANK	E-184-94
3 BANK	E-184-63
Core-Plug Assy.	
8 BANK	AS-586-5
3 BANK	AS-586-10
Main-Shaft	
8 BANK	S-164-23
3 BANK	S-164-42
Reset-Shaft	
8 BANK	A-2195-15
3 BANK	A-2195-24
Tie-Rod	S-1275-63
Score Motor Assy.	AS-2215-13
Cam Assy.	A-2725-1
Switch	
Position 1	
Lowest level	SW-400-18
Second level	
WIRED TO White-Black Orange-Black	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-230-7
Fourth level	
WIRED TO Red, White-Green	SW-010-168
OTHER switch on fourth level	SW-100-405
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown-(Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-130-13
Position 3	
Second level	
WIRED TO Brown, Gray-Black	SW-100-411
OTHER switch on second level	SW-100-385
Position 4	
Second level	
WIRED TO Orange-Black, Black	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-020-47
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Detail same as BONGO Match Unit, excepting	
Contact-Plate (wired)	W-881-5
Wiper Assy.	AS-1046-418
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	
Stepping Unit, Full Reset	
Player-up Unit	
Detail same as STAR-JET Player-Up Unit, excepting	
Contact-Plate (wired)	W-1004-5

GRAND TOUR

Backglass	G-332-11
Ball-Return Parts	
Ball-Count Switch	SW-100-413
Ball-Trough Assy.	A-2896
Ball-Trough Back Wall	P-6344
Switch-Plate (flat)	P-126-154
Switch-Plate (spring)	P-137-5
Free-Ball Gate Assy.	AS-1587-21
As illustrated, page 58, with	
FASTENER (Roll-Pin)	P-1637-10
Lever Arm Assy.	A-1889-5
Plunger	S-496-167
Screw, Switch	MS-540-10-110
Switch	SW-110-123
Free-Ball Gate Wire	M-1335-1
Plastic Shields (complete set)	M-1330-7
Playfield Panel Latch-Rails	
LEFT	A-2900-1
RIGHT	A-2900

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

GRAND TOUR

Relays, "KK" Type
- Single Relays
  - THUMPER BUMPER
  - Same as HOOTENANNY
    - THUMPER BUMPER Relay
  - TOUR GATE
  - As illustrated, page 57, with
    - Coil C-7800-332
    - Frame A-604-5
    - Screw, Switch . . . . . 3-48 x 1-1/8 in.
    - Switch (Z-1150-21 series) . . . AAC-22H-4
- 5 Bank
- Same as MONTE CARLO 5 Bank, excepting
  - 10 POINTS
    - Switch, Screw
      - LEFT SWITCH. . . . . 3-48 x 7/8 in.
    - Switch (Z-1150-21 series)
      - LEFT. AA-23J-4
  - THUMPER CONTROL
    - Switch (Z-1150-21 series) . . . BC-14J-4
- 7 Bank
  - MULTIPLE PLAY COIN
    - Coil C-7800-384
    - Frame A-604C-5
    - Screw, Switch
      - LEFT SWITCH. . . . . 3-48 x 1/2 in.
      - RIGHT SWITCH . . . . . 3-48 x 1-9/16 in.
    - Switch (Z-1150-21 series)
      - LEFT. A-16H-9A
      - RIGHT AABC-26H
  - HOLD
    - Coil C-7800-3312
    - Frame A-604-5
    - Screw, Switch . . . . . 3-48 x 7/8 in.
    - Switch (Z-1150-21 series) . . . AB-15H
  - MUSHROOM SERIES
    - Coil C-7800-251
    - Frame A-604A-5
    - Screw, Switch . . . . . 3-48 x 1/2 in.
    - Switch (Z-1150-21 series) . . . A-19J-4
  - 50 POINT
    - Coil C-7800-331
    - Frame A-604-5
    - Screw, Switch . . . . . 3-48 x 1-1/16 in.
    - Switch (Z-1150-21 series) . . . AAA-23H
  - BALL RETURN
    - Coil, Frame same as 50 POINT Relay
    - Screw, Switch . . . . . 3-48 x 1-1/2 in.
    - Switch (Z-1150-21 series) . . . AAAC-27H
  - ADVANCE
    - Coil, Frame same as 50 POINT Relay
    - Screw, Switch
      - LEFT SWITCH . . . . . 3-48 x 1/2 in.
      - RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
    - Switch (Z-1150-21 series)
      - LEFT. A-15H-4
      - RIGHT AABC-23H
  - MATCH
    - Coil C-7800-334
    - Frame A-604-5
    - Screw, Switch . . . . . 3-48 x 1-7/16 in.
    - Switch (Z-1150-21 series) . . . AAAA-37H

Relays, Trip
- 10 Bank (6 and 4)
  - START
    - Coil E-184-187
    - Switch
      - LEFT. SW-102-11
      - RIGHT. SW-200-78
  - Same Coil on all other relays in 6 Bank
    - Coil E-184-155
  - Following references are to switches
  - RESET
    - LEFT. SW-030-6
    - RIGHT SW-011-17
  - GAME OVER SW-002-9
  - TILT
    - LEFT. SW-012-2*
    - RIGHT SW-010-15
  - 1000 . . . . . SW-210-26
  - 1ST SHOT
    - LEFT. SW-210-26
    - RIGHT SW-100-49
  - Same Coil on all relays in 4 Bank
    - Coil E-184-156
  - Following references are to switches
  - NO. 1 MUSHROOM TARGET . . . SW-112-6
  - NO. 2 MUSHROOM TARGET
    - LEFT. SW-210-26
    - RIGHT SW-002-9
  - NO. 3 MUSHROOM TARGET
  - Same as NO. 2 MUSHROOM TARGET Relay
  - NO. 4 MUSHROOM TARGET
    - LEFT. SW-210-26
    - RIGHT SW-001-2
  - Reset Mechanism
    - Coil
      - 6 BANK. E-184-87
      - 4 BANK E-184-63
    - Core-Plug Assy.
      - 6 BANK AS-586-5
      - 4 BANK AS-586-10
    - Main-Shaft
      - 6 BANK S-164-51
      - 4 BANK S-164-45
    - Reset-Shaft
      - 6 BANK A-2195-20
      - 4 BANK A-2195-25
    - Tie-Rod. S-1275-74

* Single Switch SW-012-2 was used in early GRAND TOUR games.

Score-Motor Assy. AS-2215-16
- Cam Assy. A-2725
- Switch
  - Position 1
    - Lowest level SW-200-108
    - Second level
      - WIRED TO White-Blue, Brown-White SW-010-141
      - WIRED TO White (Plastic), Gray (Plastic). SW-100-395
    - Third level. SW-240-2
  - Position 2
    - Second level
      - WIRED TO Red (Plastic), Brown (Plastic). SW-010-167
      - WIRED TO Orange-Green, Orange SW-010-140
    - Third level. SW-140-10
  - Position 3
    - Second level. SW-010-141
    - Fourth level
      - WIRED TO Yellow, Green SW-100-356
      - WIRED TO White-Brown, Red-Yellow, Blue-Yellow SW-001-46
  - Position 4
    - Second level
      - WIRED TO Red-White, Green SW-100-384
      - WIRED TO Black-White, Blue-Yellow SW-100-385
    - Third level. SW-210-54

Stepping Unit, Continuous
- Match (0-9) Unit with Bell
- Detail same as HOOTENANNY Match Unit

Stepping Unit, Single-Step Reset
- Thumper Control Unit
- Detail same as HOOTENANNY Thumper Control Unit

Stepping Unit, Full Reset
- Advance Unit
- Detail same as HOOTENANNY Advance Unit
- Ball-Count Unit
- Detail same as Advance Unit, excepting
  - Contact-Plate (wired) W-1043
  - Ratchet C-1050-5
  - Step-Up Arm Assy. A-1765-4
  - Switch (close at zero) SW-200-45
  - Wiper Assy. AS-1046-433

HAPPY TOUR

Backglass G-322-14

Ball-Return Parts
Same as GRAND TOUR

Free-Ball Gate Assy. AS-1587-18
Detail Same as GRAND TOUR
- Free-Ball Gate Assy., excepting
  - Switch, Screw MS-540-17-110
  - Switch SW-210-53

Free-Ball Gate Wire M-1335-1

Plastic Shields (complete set) M-1330-12

Playfield Panel Latch-Rails
Same as GRAND TOUR

Relays, "KK" Type
- Single Relays
- Same as GRAND TOUR
- 5 Bank
- Same as GRAND TOUR 5 Bank, excepting
  - 100 POINTS
    - Switch, Screw
      - RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
  - ADV. RESET
    - Switch, Screw
      - RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
  - THUMPER CONTROL
    - Switch, Screw . . . . . 3-48 x 1-3/16 in.
    - Switch (Z-1150-21 series) . . . BBC-12J-4
- 8 Bank
  - ADDED BALL
    - Coil C-7800-3312
    - Frame A-604C-5
    - Switch, Screw
      - LEFT SWITCH . . . . . 3-48 x 7/8 in.
      - RIGHT SWITCH . . . . . 3-48 x 1-9/16 in.
    - Switch (Z-1150-21 series)
      - Left. AC-14H
      - Right AABC-26H

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

HAPPY TOUR

DESCRIPTION	PART NO.
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Switch, Screw	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AB-15H
MUSHROOM SERIES	
Same as MUSHROOM SERIES Relay, 7 Bank, GRAND TOUR	
50 POINT	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Screw (Z-1150-21 series)	AAAB-3H
BALL RETURN	
Same as BALL RETURN Relay, 7 Bank, GRAND TOUR	
ADVANCE	
Coil, Frame same as BALL-RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AABC-23H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	B-8H-4
RIGHT	AAAA-37H
TILT HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-9/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	BBBC-6H-4
RIGHT	AAAA-58H
Relays, Trip	
10 Bank (6 and 4)	
Same as GRAND TOUR, excepting	
START	
Switch	
RIGHT	SW-300-33
RESET	
Switch	
RIGHT	SW-111-15
GAME OVER	
Switch	SW-012-2
TILT	
Switch	
LEFT	SW-012-2
RIGHT	SW-020-7
Score-Motor Assy.	AS-2215-19
Detail same GRAND TOUR, excepting	
Switch	
Position 4	
Third level	SW-220-17
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as GRAND TOUR	
Stepping Unit, Single-Step Reset	
NOT USED	
Stepping Units, Full Reset	
Advance Unit	
Same as GRAND TOUR	
Ball-Count Unit	
Same as GRAND TOUR, excepting	
Step-Up Arm Assy.	A-1765-8
Switch (open at zero)	SW-010-79
Thumper Control Unit	
Same as GRAND TOUR, excepting	
Contact-Plate (wired)	W-1000-3
Escapement Pawl	NONE
Pin	S-463-37
Ratchet	C-100-102
Spring (Extension)	
Escapement Pawl	NONE
Reset Pawl-Set-up Arm	SP-100-113
Switch	SW-010-46

2 IN 1

DESCRIPTION	PART NO.
Backglass	G-332-12
Ball-Return Parts	
Same as in GRAND TOUR	
Hold "21" Parts	
Button	P-3299-2
Escutcheon, Button	P-2768-9
Plate	P-2210-145
Switch	SW-100-358
Plastic Shields (complete set)	M-1330-8
Playfield-Panel Latch-Rails	
LEFT	A-2900-3
RIGHT	A-2900
Relays, "KK" Type	
Single Relays	
PLAYER STEP-UP	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-24J-4
THUMPER BUMPER	
Same as HOOTENANNY THUMPER BUMPER Relay	
5 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-27J
RIGHT	AAAA-39J-9A
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 Series)	
LEFT	AAA-29J
RIGHT	AAAA-39J-9A
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-39J-9A
1 STEP	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-46J
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
15 Bank	
SINGLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	B-8H-4
RIGHT	AABC-24H
MULTIPLE COIN	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 5/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	C-8H-9A
RIGHT	AABC-22H-4
MULTIPLE PLAY	
Coil	C-7800-384
Frame	A-604-5
Screw	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-16H-9A
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 5/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	B-10H-9A
RIGHT	AABB-21H
BALL-RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-29H
20 POINT	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H-4
50 POINT	
Same as 20 POINT Relay	
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AC-13H-4
RIGHT	AACC-13H
ODD	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABC-22H-4
EVEN	
Same as ODD Relay	
STOP 21	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	ABCC-13H-4
REBOUND	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-9/16 in.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

2 IN 1

DESCRIPTION	PART NO.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	CCCC-4H-4
2 STEP	
Coil	C-7800-333
Frame	A-604A-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
3 STEP	
Same as 2 STEP Relay	
Relays, Trip	
11 Bank	
START	
Coil	E-184-187
Switch	SW-112-10
Same Coil on other 10 relays in bank	
Coil	E-184-155
Following references are to switches	
RESET NO. 1	
LEFT	SW-004-21
RIGHT	SW-102-9
RESET NO. 2	
LEFT	SW-013-1
RIGHT	SW-003-2
GAME OVER	SW-111-15
1st TILT	
LEFT	SW-003-2
RIGHT	SW-120-27
2ND TILT	
Same as 1ST TILT Relay	

DESCRIPTION	PART NO.
TWO CAN PLAY	
LEFT	SW-302-1
RIGHT	SW-112-6
1ST 1000	SW-210-26
2ND 1000	SW-210-26
1ST 20	SW-112-6
2ND 20	SW-112-6
Reset Mechanism	
Coil	E-184-87
Core-Plug Assy	AS-586-5
Main-Shaft	S-164-29
Reset-Shaft	A-2195-5
Tie-Rod	S-1275-74
Score Motor Assy.	AS-2215-17
Cam Assy.	A-2725-1
Switch	
Position 1	
Lowest Level	SW-400-22
Second Level	
WIRED TO White-Red, Orange-Black	SW-010-141
WIRED TO White-Blue, White-Brown	SW-100-372
Third Level	SW-250-2
Fourth Level	
WIRED TO White-Green, Red-Black	SW-010-168
OTHER 2 switches on fourth level	SW-200-105

DESCRIPTION	PART NO.
Position 2	
Second Level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third Level	SW-030-13
Position 3	
Second Level	
WIRED TO White-Black, White-Red	SW-010-141
WIRED TO Gray-Red, Gray-Black	SW-100-395
Position 4	
Second Level	
WIRED TO Brown, Orange-Red	SW-100-416
OTHER 2 switches on second level	SW-200-126
Third Level	SW-130-13
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as HOOTENANNY Match Unit	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	
Stepping Unit, Full Reset	
Player-up Unit	
Same as STAR-JET Player-up Unit, excepting	
Contact-Plate (wired)	W-1004-6
Wiper Assy	AS-1046-434

BIG DAY

Backglass	G-332-13
Ball-Return Parts	
Same as in GRAND TOUR	
Free-Ball Gate Assys.	
TOP GATE	AS-1587-22
Same as GRAND TOUR Free-Ball Gate Assy., excepting Switch	SW-111-19
BOTTOM GATE	AS-1587-23
Same as TOP GATE, excepting Switch	SW-120-38
Free-Ball Gate Wires	
TOP GATE	M-1335
BOTTOM GATE	M-1335-1
Plastic Shields (complete set)	M-1330-11
Playfield-Panel Latch-Rails	
LEFT	A-2900-4
RIGHT	A-2900
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as HOOTENANNY THUMPER BUMPER Relay	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	AAAA-44J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	AAAA-43J

THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
11 Bank	
SINGLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABC-22H-4
MULTI-COIN	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-22H-4
MULTI-PLAY	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H-4
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-16H-9A
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAB-17H
RIGHT	BBBB-14H-4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Screw (Z-1150-21 series)	
LEFT	AAA-23H
RIGHT	AAAB-28H-4

50 POINT	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT	3-48 x 1/2 in.
RIGHT	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-21H
FREE BALL	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAC-28H-4
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-15H-4
Relays, Trip	
9 Bank	
Same Coil in all Relays	
Coil	E-184-156
Following references are to switches	
Same switch in No. 1, No. 2, No. 3, No. 4 Relays	
Switch	SW-103-3
NO. 5	
LEFT	SW-102-9
RIGHT	SW-002-9
NO. 6	
Same as No. 5 Relay	
NO. 7	SW-004-6
NO. 8	
Same as NO. 5 Relay	
NO. 9	
LEFT	SW-103-3
RIGHT	SW-100-61

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BIG DAY

DESCRIPTION	PART NO.
Reset Mechanism	
Coil	E-184-94
Core-Plug Assy	AS-586-5
Main-Shaft	S-164-17
Reset-Shaft	A-2195-18
Tie-Rod	S-1275-64
16 Bank (8 and 8)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-120-27
Same Coil in all other Relays in Bank	
Coil	E-184-155
Following references are to switches	
RESET NO. 1	
LEFT	SW-103-3
RIGHT	SW-040-6
RESET NO. 2	
LEFT	SW-013-1
RIGHT	SW-040-6
GAME OVER	SW-311-3
1ST PL. 1000	SW-210-26
2ND PL. 1000	SW-210-26
3RD PL. 1000	SW-210-26
4TH PL. 1000	SW-210-26
1ST PL. TILT	
LEFT	SW-012-2
RIGHT	SW-101-23
2 CAN PLAY	
LEFT	SW-112-6
RIGHT	SW-201-12
2ND PL. TILT	
LEFT	SW-112-6
RIGHT	SW-100-61
3 CAN PLAY	
Same as 2 CAN PLAY Relay	
3RD PL. TILT	
Same as 2ND PL. TILT Relay	
4 CAN PLAY	
LEFT	SW-112-6
RIGHT	SW-112-6
4TH PL. TILT	
Same as 2ND PL. TILT Relay	
Reset Mechanism	
Coil	
LEFT BANK	E-184-94
RIGHT BANK	E-184-94
Core-Plug Assy.	
LEFT BANK	AS-586-5
RIGHT BANK	AS-586-10
Main-Shaft	
LEFT BANK	S-164-23
RIGHT BANK	S-164-22
Reset-Shaft	
LEFT BANK	A-2195-15
RIGHT BANK	A-2195-15
Tie-Rod	S-1275-59
Score Motor Assy.	AS-2215-18
Cam Assy.	A-2725-3
Switch	
Position 1	
Lowest Level	SW-400-22
Second Level	
WIRED TO Orange-Black, White-Green	SW-010-141
OTHER 2 switches on second level	SW-200-106
Third Level	SW-250-2
Fourth Level	SW-100-386
Position 2	
Second Level	
WIRED TO Brown (Plastic), Black (Plastic)	SW-010-167
OTHER 3 switches on second level	SW-120-37
Third Level	SW-140-12
Position 3	
Second Level	
WIRED TO White-Black, White-Red	SW-010-141
WIRED TO Blue-White, Red	SW-100-395
Fifth Level	SW-002-10
Position 4	
Second Level	
WIRED TO Green-Red, Gray-Yellow	SW-100-384
OTHER 2 switches on second-level	SW-200-126
Third Level	SW-120-33
Switch-Actuator	
Position 3	
Fifth Level	SW-000-31
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as SKY DIVERS Match Unit	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	
Stepping Unit, Full Reset	
Player-Up Unit	
Same as STAR-JET Player-Up Unit, excepting	
Contact-Plate (wired)	W-1004-9
Contact-Strip Assy	A-1119-47
Plunger, Step-Up	S-496-162
Ratchet	C-1060-20
Wiper Assy	AS-1046-437

HARVEST

Backglass	G-332-15
Ball-Return Parts	
Same as in GRAND TOUR	
Free-Ball Gate Assy.	
Same as TOP GATE, BIG DAY	
Free-Ball Gate Wire	M-1335-1
Plastic Shields (complete set)	M-1330-13
Playfield-Panel Latch-Rails	
LEFT	P-6360-6
RIGHT	A-2900
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as in HOOTENANNY	
5 Bank	
Same as in GRAND TOUR	
8 Bank	
MULTI-COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-24H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAB-17H
TILT	
Coil	C-7800-332
Frame	C-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-22H-4
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 inc.
Switch (Z-1150-21 series)	A-19J-4
BALL-RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-31H
50 PT.	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/6 in.
Switch (Z-1150-21 series)	AAA-28H
ADVANCE	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-25H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch	AAA-27H-4
Relays, Trip	
9 Bank (4 and 5)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-200-78
Same Coil in other 3 relays in 4 Bank	
Coil	E-184-155
Following reference are to switches	
RESET	SW-041-2
GAME OVER	SW-011-17
1000	SW-210-26
Same Coil in all relays in 5 Bank	
Coil	E-184-156
Following references are to switches	
NO. 1 M.B.	
LEFT	SW-102-11
RIGHT	SW-102-11
NO. 2 M.B.	
LEFT	SW-102-11
RIGHT	SW-101-23
NO. 3 M.B.	
Same as NO. 1 M.B.	
NO. 4 M.B.	
Same as NO. 1 M.B.	
NO. 5 M.B.	
Same as NO. 1 M.B.	
Reset Mechanism	
Coil	
4 BANK	E-184-63
5 BANK	E-184-87
Core-Plug Assy.	
4 BANK	AS-586-5
5 BANK	AS-586-10
Main-Shaft	
4 BANK	S-164-50
5 BANK	S-164-46
Reset-Shaft	
4 BANK	A-2195-25
5 BANK	A-2195-22
Tie-Rod	S-1275-125

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

HARVEST

DESCRIPTION	PART NO.
Score-Motor Assy.	AS-2215-20
Cam Assy	A-2725
Switch	
Position 1	
Lowest level	SW-200-108
Second level	SW-010-141
Third level	SW-240-3
Position 2	
Second level	
WIRED TO Red (Plastic), White-Blue (Plastic)	SW-010-167
WIRED TO Orange-Green, Orange	SW-010-140
Third level	SW-120-33
Position 3	
Second level	SW-010-141
Fourth level	SW-002-10
Position 4	
Second level	
WIRED TO Blue-Red, White	SW-100-384
WIRED TO Yellow-Red, Gray-Yellow	SW-100-385
Third level	SW-120-33
Switch Actuator	
Position 3	
Fourth level	SW-000-31
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as HOOTENANNY	
Match (0-9) Unit, excepting	
Contact-Plate (Wired)	W-1034-1
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY	
Thumper Control Unit	
Stepping Units, Full Reset	
Advance Unit	
Same as HOOTENANNY	
Advance Unit, excepting	
Contact-Plate (Wired)	W-1036-1
Wiper Assy	AS-1046-432
Ball Count Unit	
Base-Plate	A-1768
Contact-Plate (Wired)	W-1043
Ratchet	C-1050-5
Step-up Arm Assy	A-1765-4
Switch	
(Close at zero)	SW-200-45
(Open at zero)	SW-010-103
Wiper Assy	AS-1046-433

HAY-RIDE

Backglass G-332-16

Ball-Return Parts
Free-Ball Gate Assy.
Free-Ball Gate Wire
Plastic Shields
Playfield-Panel Latch-Rails
Relays, "KK" Type
Single Relay
THUMPER BUMPER
5 Bank
8 Bank
SAME AS IN HARVEST

LEFT ROLLOVER	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Switch, Screw	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-24H-4
TILT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AABC-22H-4
SERIES	
BALL-RETURN	SAME AS IN HARVEST
50 PT.	SAME AS IN HARVEST
ADVANCE	SAME AS IN HARVEST
MATCH	SAME AS IN HARVEST
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-28H-4
Relays, Trip	
8 Bank (3 and 5)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-1i
RIGHT	SW-300-57
Same Coil in other 2 relays in 3 Bank	
Coil	E-184-155
Following references are to switches	
RESET	
LEFT	SW-041-2
RIGHT	SW-010-15
GAME OVER	SW-011-17
Relays in 5 Bank same as in HARVEST	
Reset Mechanism	
Coil	
3 Bank	E-184-63
5 Bank	E-184-87
Core-Plug Assy.	
3 Bank	AS-586-5
5 Bank	AS-586-10
Main-Shaft	
3 Bank	S-164-50
5 Bank	S-164-46
Reset-Shaft	
3 Bank	A-2195-25
5 Bank	A-2195-22
Tie-Rod	S-1275-125

Score-Motor Assy.	AS-2215
Cam Assy	A-2725
Switch	
Position 1	
Lowest level	SW-200-108
Second level	
WIRED TO Brown-White, White-Blue	SW-010-141
WIRED TO Red, White-Black	SW-100-372
Third level	SW-140-10
Position 2	
Second level	SW-010-167
Third level	SW-130-15
Position 3	
Second level	
WIRED TO Black-White, White-Blue	SW-010-141
WIRED TO Red, Black	SW-100-395
Fourth level	SW-002-10
Position 4	
Second level	
WIRED TO Orange-Green, Blue-White	SW-100-384
WIRED TO Gray-Yellow, Yellow-Red	SW-100-385
Third level	SW-120-33
Switch-Actuator	
Position 3	
Fourth level	SW-000-31
Stepping Unit, Continuous	SAME AS IN HARVEST
Match (0-9) Unit with Bell	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Stepping Units, Full Reset	
Advance Unit	
Ball-Count Unit	
Same as HARVEST Ball Count Unit, excepting	
Switch	
Top	SW-100-327
Bottom	SW-101-29

BUS STOP

Backglass G-332-17

Ball-Return Parts
Same as in GRAND TOUR

Plastic Shields (Complete Set) M-1330-14

Playfield-Panel Latch-Rails

LEFT	A-2900-1
RIGHT	A-2900

Relays, "KK" Type
Single Relays
THUMPER BUMPER
Same as HOOTENANNY
THUMPER BUMPER Relay
1 & 3 TARGET

Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-27J
2 & 4 TARGET	
Same as 1 & 3 TARGET Relay	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/4 in.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BUS STOP

DESCRIPTION	PART NO.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-23J-4
RIGHT	AAAA-39J
100 POINT	
Same as 1 POINT Relay	
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
15 Bank	
SINGLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-31H
MULTIPLE COIN	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-16H-9A
RIGHT	AAAB-29H
MULTIPLE PLAY	
Coil	C-7800-384
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1-3/16 in.
Switch (Z-1150-21 series)	AAC-26H
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	
LEFT	BB-11H
RIGHT	AACC-16H
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Switch, Screw	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-62H
50 POINT	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	ABC-19H-4
RIGHT	AABC-24H
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-31J
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-22H-4
RIGHT HOLE	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-30H
LEFT HOLE	
Same as RIGHT HOLE Relay	
CENTER M.R.	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
TOP M.R.	
Same As CENTER M.R.	
RIGHT R.O.	
Same as CENTER M.R.	
LEFT R.O.	
Same as CENTER M.R.	
Relays, Trip	
6 Bank	
START	
Coil	E-184-187
Switch	SW-112-10
Same Coil on other 5 relays in bank	
Coil	E-184-155
Following references are to switches	
RESET	
LEFT	SW-032-2
RIGHT	SW-041-1
G.O.	SW-111-15
1ST TILT	
LEFT	SW-102-3
RIGHT	SW-021-5
2ND TILT	
LEFT	SW-201-13
RIGHT	SW-021-5
2 CAN PLAY	
LEFT	SW-410-6
RIGHT	SW-004-6
Reset Mechanism	
Coil	E-184-63
Core-Plug Assy.	AS-586-5
Main-Shaft	S-164-32
Reset-Shaft	A-2195-7
Tie-Rod	S-1275-78
Score Motor Assy.	AS-2215-22
Cam Assy.	A-2725-3
Switch	
Position 1	
Lowest level	SW-400-22
Second level	
WIRED TO White-Red, Orange-Black	SW-010-141
WIRED TO Gray-Black, Gray-Red	SW-100-372
Third level	SW-240-3
Fourth level	
WIRED TO Brown, Black-White	SW-100-418
WIRED TO White-Green, Red-Black	SW-010-172
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-030-13
Position 3	
Second level	SW-010-141
Fifth level	SW-003-5
Position 4	
Second level	
WIRED TO Brown, Orange-Red	SW-100-384
OTHER 2 switches on second level	SW-200-126
Third level	SW-130-13
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as HOOTENANNY Match Unit	
Stepping Units, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	
Bonus Unit	
Same as Thumper Control Unit, excepting	
Contact-Plate (Wired)	W-1047
Escapement Pawl	P-3387
Reset Pawl Assy.	A-1766-4
Step-up Arm Assy.	A-1765-5
Switch,	
Limit	SW-100-429
Open at zero	SW-001-56
Reset, end of stroke	SW-100-428
Step-up, end of stroke	SW-010-173
Wiper Assy.	AS-1046-438
Stepping Unit, Full Reset	
Player-up Unit	
Same as BIG DAY Player-up Unit, excepting	
Contact-Plate (Wired)	W-1004-10
Contact-Strip	NOT USED
Ratchet	C-1060-10
Wiper Assy.	AS-1046-439

BULLFIGHT

Backglass G-332-18

Ball-Return Parts
Same as in GRAND TOUR

Free-Ball Gate Assy. AS-1587-26
As illustrated on page 58, including improved features shown in circled view, and
FASTENER, Roll-Pin P-1637-1
Plunger S-496-167
Screw, Switch MS-540-10-110
Switch SW-110-123

Free-Ball Gate Wire M-1335-1

Plastic Shields (Complete Set) M-1330-15

Playfield-Panel Latch-Rails
LEFT P-6360-6
RIGHT A-2900

Relays, "KK" Type
Single Relays
THUMPER BUMPER
Same as HOOTENANNY THUMPER BUMPER Relay
100 MUSHROOM BUMPER
Same as BUS STOP
1 & 3 TARGET RELAY
4 Bank
1 POINT
Coil C-7800-333
Frame A-604D-5
Screw, Switch 3-48 x 1-1/2 in.
Switch (Z-1150-21 series) AAAA-43J
10 POINT
Coil, Frame same as 1 POINT Relay
Screw, Switch
LEFT 3-48 x 1/2 in.
RIGHT 3-48 x 1-1/2 in.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BULLFIGHT

DESCRIPTION	PART NO.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-39J-9A
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch	
LEFT	A-19J-4
RIGHT	AAAA-43J
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
11 Bank	
MULTI-COIN	
Coil	C-7800-384
Frame	A-604C-5
Switch, Screw	
LEFT	3-48 x 1/2 in.
RIGHT	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-24H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAB-16H-4
TILT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT	3-48 x 1/2 in.
RIGHT	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-22H-4
STAR	
Coil	C-7800-3314
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch	
LEFT	A-15H-4
RIGHT	AAAC-24H-4

DESCRIPTION	PART NO.
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-30H
50 PT.	
Coil	C-7800-333
Frame	A-604A-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-35J
30 PT.	
Coil	C-7800-333
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAAB-32J
ADVANCE	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-25H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AA-24H-4
30 M.R. BUMPER	
Coil, Frame same as STAR Relay	
Screw, Switch	3-48 x 1-9/16 in.
Switch (Z-1150-21 series)	AACC-10H-4
50 M.R. BUMPER	
Coil, Frame same as STAR Relay	
Screw, Switch	3-48 x 1-3/16 in.
Switch (Z-1150-21 series)	ACC-11H-4
Relays, Trip	
3 Bank	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-200-78
RESET	
Coil	E-184-155
Switch	
LEFT	SW-021-5
RIGHT	SW-030-6
GAME OVER	
Coil	E-184-155
Switch	SW-011-17

DESCRIPTION	PART NO.
Reset Mechanism	
Coil	E-184-63
Core-Plug Assy.	AS-586-5
Main-Shaft	S-164-53
Reset-Shaft	A-2195-21
Tie-Rod	S-1275-146
Score Motor Assy.	AS-2215-23
Cam Assy.	A-2725-2
Switch	
Position 1	
Lowest level	SW-200-108
Second level	SW-010-141
Third level	SW-240-2
Position 2	
Second level	
WIRED TO Red (Plastic), White-Blue (Plastic)	SW-010-167
WIRED TO Orange-Green, Orange	SW-010-140
Third level	SW-120-33
Position 3	
Second level	SW-010-141
Position 4	
Second level	SW-100-384
Third level	SW-220-17
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as HOOTENANNY Match Unit, excepting	
Contact-Plate (Wired)	W-1034-1
Mounting Bracket	P-5052
Nut	N-832-1110
Screw	LS-832-8-510
Wiper Assy.	AS-1046-395
Stepping Units, Single-Step Reset	
Thumper Control Unit	
Same as HOOTENANNY Thumper Control Unit	
Stepping Unit, Full Reset	
Ball Count Unit	
Same as HARVEST Ball Count Unit, excepting	
Screw	MS-540-18-110
Switch	
Make at second stroke	SW-100-440
Open at zero	NOT USED

SHEBA

Backglass G-332-20

Ball-Return Parts
Same as in GRAND TOUR

Free-Ball Gate Assy. (Bottom) AS-1587-28
Same as in BULLFIGHT, excepting
Switch SW-210-53

Free-Ball Gate Wire M-1335-1

Plastic Shields (Complete Set) M-1330-17

Playfield-Panel Latch-Rails
Same as in BULLFIGHT

Relays, "KK" Type

Single Relays	
GATE, MIDDLE	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
GATE, TOP	
Coil, Frame same as MIDDLE GATE	
Switch, Screw	3-48 x 1/2 in.
Screw (Z-1150-21 series)	A-15H-4
THUMPER BUMPER	
Same as in HOOTENANNY	
4 Bank	
Same as in BUS STOP	
11 Bank	
SINGLE COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-28H-4
MULTI-COIN	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 Series)	
LEFT	A-15H-4
RIGHT	AAAB-28-4
MULTI-PLAY	
Coil, Frame same as SINGLE COIN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
ANTI-CHEAT	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-27H
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AABB-21H
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAA-62H
50 PT.	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 3/4 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AB-17H-4
RIGHT	AABB-21H
FREE BALL	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-45H-4
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-22H-4

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

SHEBA

DESCRIPTION	PART NO.
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 3/4 in.
Switch (Z-1150-21 series)	AB-17H-4
Relays, Trip	
12 Bank (6 and 6)	
START	
Coil	E-184-187
Switch	SW-112-10
Same Coil in all other Relays in Right Bank	
Coil	E-184-155
Following references are to switches	
RESET	
LEFT	SW-032-2
RIGHT	SW-041-2
GAME OVER	SW-111-15
1ST PLAYER TILT	
LEFT	SW-021-5
RIGHT	SW-102-3
2ND PLAYER TILT	
LEFT	SW-111-15
RIGHT	SW-111-15
2 CAN PLAY	
LEFT	SW-410-6
RIGHT	SW-004-6
Same Coil in all Relays in Left Bank	
Coil	E-184-156
Following references are to switches	
#1 MB	SW-102-11
#2 MB	SW-102-11
#3 MB	SW-102-11
#4 MB	SW-202-1
#5 MB	SW-202-1

DESCRIPTION	PART NO.
#6 ROLLOVER	
LEFT	SW-102-11,
RIGHT	SW-101-23
Reset Mechanism	
Coil	
LEFT BANK	E-184-87
RIGHT BANK	E-184-87
Core-Plug Assy.	
LEFT BANK	AS-586-10
RIGHT BANK	AS-586-5
Main-Shaft	
LEFT BANK	S-164-47
RIGHT BANK	S-164-51
Reset-Shaft	
LEFT BANK	A-2195-20
RIGHT BANK	A-2195-20
Tie-Rod	S-1275-87
Score Motor Assy.	AS-2215-25
Cam Assy.	A-2725-3
Switch	
Position 1	
Lowest level	SW-300-58
Second level	
WIRED TO White-Red, Orange-Black	SW-010-141
WIRED TO Gray-Black Gray-Red	SW-100-395
Third level	SW-240-4
Fourth level	
WIRED TO Brown, Black-White	SW-100-418
WIRED TO White-Green, White-Black	SW-010-172

DESCRIPTION	PART NO.
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-040-11
Position 3	
Second level	SW-010-141
Fifth level	SW-002-10
Position 4	
Second level	
WIRED TO Brown, Orange-Red	SW-100-384
OTHER 2 switches on second level	SW-200-126
Third level	SW-130-13
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as in BUS STOP	
Stepping Units, Single-Step Reset	
Thumper Control Unit	
Same as in HOOTENANNY	
Stepping Unit, Full Reset	
Player-Up Unit	
Same as in BUS STOP	

BAND WAGON

Backglass G-332-19

Ball-Return Parts
Same as in GRAND TOUR

Free-Ball Gate Assy. (Both Gates) AS-1587-27
Same as in BULLFIGHT, excepting
Screw, Switch MS-540-14-110
Switch SW-111-19

Free-Ball Gate Wire (Both Gates) M-1335-1

Plastic Shields (Complete Set) M-1330-16

Playfield-Panel Latch-Rails
Same as in BULLFIGHT

Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as in HOOTENANNY	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/4 in.
Switch (Z-1150-21 series)	AAAA-44J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAA-29J
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
11 Bank	
SINGLE COIN	
Same as SHEBA SINGLE COIN Relay	
MULTI-COIN	
Same as SHEBA MULTI-COIN Relay	
MULTI-PLAY	
Same as SHEBA MULTI-PLAY Relay	
ANTI-CHEAT	
Same as SHEBA ANTI-CHEAT Relay	
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAB-17H
RIGHT	BBBB-14H-4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-30H
RIGHT	AAAB-28H-4
50 PT.	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABB-18H-4
FREE BALL	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-62H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
SERIES	
Same as SHEBA SERIES Relay	

Relays, Trip	
17 Bank (11 and 6)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-120-27
Same Coil in other Relays in 11 Bank	
Coil	E-184-155
Following references are to switches	
RESET NO. 1	
LEFT	SW-122-3
RIGHT	SW-041-2
RESET NO. 2	
LEFT	SW-032-2
RIGHT	SW-041-2
GAME OVER	SW-311-3
1ST PLAYER TILT	
LEFT	SW-111-17
RIGHT	SW-002-9
2 CAN PLAY	
LEFT	SW-202-1
RIGHT	SW-111-17
2ND PLAYER TILT	SW-212-4
3 CAN PLAY	
Same as 2 CAN PLAY Relay	

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BAND WAGON

DESCRIPTION	PART NO.
3RD PLAYER TILT	SW-212-4
4 CAN PLAY	
LEFT	SW-112-6
RIGHT	SW-112-6
4TH PLAYER TILT	SW-212-4
Same Coil in all Relays in 6 Rank	
Coil	E-184-156
Following references are to switches	
#1 MB	
LEFT	SW-102-11
RIGHT	SW-102-11
#2 MB	
Same as #1 MB Relay	
#3 MB	
Same as #1 MB Relay	
#4 MB	
LEFT	SW-201-12
RIGHT	SW-102-11
#5 R.O.	SW-112-6
RIGHT SIDE R.O.	SW-102-9
Reset Mechanism	
Coil	
11 Bank	E-184-94
6 Bank	E-184-87
Core-Plug Assy.	
11 Bank	AS-586-5
6 Bank	AS-586-10
Main-Shaft	
11 Bank	S-164-28
6 Bank	S-164-47
Reset-Shaft	
11 Bank	A-2195-4
6 Bank	A-2195-20
Tie-Rod	S-1275-138
Score Motor Assy.	AS-2215-24
Cam Assy.	A-2725-3
Switch	
Position 1	
Lowest level	SW-400-22
Second level	
WIRED TO Orange-Black, White-Green	SW-010-141
OTHER 2 switches on second level	SW-200-105
Third level	SW-240-3
Fourth level	SW-100-356
Position 2	
Second level	
WIRED TO Brown (Plastic), Black (Plastic)	SW-010-167
OTHER 3 switches on second level	SW-120-40
Third level	SW-130-13
Position 3	
Second level	
WIRED TO White-Black, White-Red	SW-010-141
WIRED TO Blue-White, Red	SW-100-372
Fifth level	SW-003-7
Position 4	
Second level	
WIRED TO Green-Red, Gray-Yellow	SW-100-384
WIRED TO Brown (Plastic), Yellow (Plastic)	SW-100-427
Third level	SW-140-12
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as in HOOTENANNY	
Stepping Units, Single-Step Reset	
Thumper Control Unit	
Same as in HOOTENANNY	
Stepping Unit, Full Reset	
Player-up Unit	
Same as in BIG DAY	

MAGIC CIRCLE

Backglass	G-332-21
Ball-Return Parts	
Same as in GRAND TOUR	
Free-Ball Gate Assy. (Bottom)	AS-1587-29
Same as in BULLFIGHT, excepting	
Screw, Switch	MS-540-7-110
Switch	SW-010-138
Free-Ball Gate Wire	M-1335-1
Plastic Shields (Complete set)	M-1330-18
Playfield-Panel Latch-Rails	
Same as in BULLFIGHT	
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER	
Same as in HOOTENANNY	
TOP GATE	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 15/16 in.
Switch (Z-1150-21 series)	CC-9H-4
4 Bank	
1 PT.	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-43J
10 PT.	
Coil	C-7800-3315
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AC-16H-9A
RIGHT	AAAA-66H-9A
100 PT.	
Coil, Frame same as 1 PT. Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAA-63H
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
10 Bank	
MULTI-COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-20H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAB-16H-4
TILT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-22H
SERIES	
Coil	C-7800-251
Frame	A-604A-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	A-19J-4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
50 POINT	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 5/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	D-2H-4
RIGHT	AABB-21H
ADVANCE	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	C-7H-4
RIGHT	AAAA-59H
FREE BALL	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4
TARGET	
Coil	C-7800-3315
Frame	A-604-5
Screw	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw and Switch same as BALL RETURN Relay	
Relays, Trip	
8 Bank (5 and 3)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-300-50
Same Coil in other Relays in 3 Bank	
Coil	E-184-156
Following references are to switches	
RESET	
LEFT	SW-040-6
RIGHT	SW-011-17
GAME OVER	SW-011-17
Same Coil in all Relays in 5 Bank	
Coil	E-184-155
Following references are to switches	
Same Switch in first 3 Relays in 5 Bank	
Switch	SW-103-3
M.B. #4	
LEFT	SW-102-11
RIGHT	SW-003-2
M.B. #5	SW-004-6

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

MAGIC CIRCLE

DESCRIPTION	PART NO.
Reset Mechanism	
Coil	
3 Bank	E-184-63
5 Bank	E-184-87
Core-Plug Assy.	
3 Bank	AS-586-5
5 Bank	AS-586-10
Main-Shaft	
3 Bank	S-164-49
5 Bank	S-164-46
Reset-Shaft	
3 Bank	A-2195-24
5 Bank	A-2195-22
Tie-Rod	S-1275-64
Score-Motor Assy.	AS-2215-26
Cam Assy	A-2725-3
Switch	
Position 1	
Lowest level	SW-200-108
Second level	SW-010-141
Third level	SW-240-4
Position 2	
Second level	
WIRED TO Red (Plastic), White-Blue (Plastic)	SW-010-167
WIRED TO Orange-Green, Orange	SW-010-140
Third level	SW-130-16
Position 3	
Second level	SW-010-141
Fifth level	SW-002-10
Position 4	
Second level	SW-100-384
Third level	SW-140-12
Advance Unit	
Numbers, Advance Unit	
See Numbers Advance Unit, TRIO, page 29B	
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as in HOOTENANNY	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as in HOOTENANNY	

50/50

Backglass	G-332-24
Ball-Return Parts	
Same as in GRAND TOUR	
50/50 Unit	AS-1900-61
Same as Advance Unit (SKY DIVERS), page 41, excepting	
Base-Plate Assy.	A-2214-11
Contact-Plate (wired)	W-999-5
Core-Plug Assy.	A-613-71
Drive-Pawl	C-435-1
Drive-Pawl Assy.	AS-2293-2
Fasteners	
(Coil) (2)	LS-832-4-510
(Contact Plate) (1)	LS-632-5-510
Free-Ball Gate Assy.	
Same as in SHEBA	
Free-Ball Gate Wire	M-1335-1
Plastic Shields (Complete set)	M-1330-19
Playfield Panel Latch Rails	
Same as in BULLFIGHT	
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as in HOOTENANNY	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
10 POINT	
Coil	C-7800-3315
Frame	A-604D-5
Switch, Screw	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AC-16H-9A
RIGHT	AAAA-66H-9A
100 POINT	
Same as 1 Point Relay	
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
11 Bank	
SINGLE COIN	
Same as in SHEBA	
MULTI-COIN	
Same as in SHEBA	
MULTI-PLAY	
Same as in SHEBA	
ANTI-CHEAT	
Same as in SHEBA	
HOLD	
Same as in SHEBA	
BALL RETURN	
Same as in SHEBA	
50 POINT	
Coil	C-7800-3315
Frame	A-604-5
Screw, Switch	
LEFT	3-48 x 3/4 in.
RIGHT	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AB-17H-4
RIGHT	AABB-20H
PLAYER UP	
Same as in SHEBA	
FREE BALL	
Same as PLAYER UP Relay	
MATCH	
Same as in SHEBA	
SERIES	
Same as in SHEBA	
Relays, Trip	
12 Bank (6 and 6)	
START	
Coil	E-184-187
Switch	SW-112-10
Same Coil in other Relays in right Bank	
Coil	E-184-156
Following references are to switches	
RESET	
LEFT	SW-032-2
RIGHT	SW-041-2
GAME OVER	SW-111-15
1ST PLAYER TILT	
LEFT	SW-021-5
RIGHT	SW-102-3
2ND PLAYER TILT	
LEFT	SW-111-15
RIGHT	SW-111-15
2 CAN PLAY	
LEFT	SW-410-6
RIGHT	SW-004-6
NO. 1	
Coil	E-184-155
Switch	
LEFT	SW-102-11
RIGHT	SW-102-11
NO. 2	
Coil	E-184-155
Switch	
LEFT	SW-103-3
RIGHT	SW-102-11
NO. 3	
Same as NO. 1 Relay	
BLUE	
Coil	E-184-156
Switch	
LEFT	SW-112-6
RIGHT	SW-102-11
RED	
Same as BLUE Relay	
CHANGE TARGET	
Coil	E-184-156
Switch	SW-210-60
Reset Mechanism	
Coil	
LEFT BANK	E-184-87
RIGHT BANK	E-184-87
Core-Plug Assy.	
LEFT BANK	AS-586-10
RIGHT BANK	AS-586-5
Main-Shaft	
LEFT BANK	S-164-47
RIGHT BANK	S-164-51
Reset-Shaft	
LEFT BANK	A-2195-20
RIGHT BANK	A-2195-20
Tie-Rod	S-1275-87

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

50/50

DESCRIPTION	PART NO.
Score Motor Assy.	AS-2215-27
Cam Assy.	A-2725-1
Switch	
Position 1	
Lowest level	SW-300-58
Second level	
WIRED TO White-Red, Orange-Black	SW-010-141
OTHER 2 switches on second level	SW-110-133
Third level	SW-240-4
Fourth level	
WIRED TO White-Green, Red-Black	SW-010-168
OTHER 2 switches on fourth level	SW-200-105
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-030-13
Position 3	
Second level	
WIRED TO White-Black, White-Red	SW-010-141
WIRED TO Brown, Orange-Red	SW-100-372
Position 4	
Second level	
WIRED TO Yellow (Plastic), Orange (Plastic)	SW-100-384
WIRED TO Gray-Yellow, Green-White	SW-100-427
Third level	SW-140-10
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
Same as in HOOTENANNY	
Stepping Unit, Full Reset	
Player-up Unit	
Same as in BUS STOP	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as in HOOTENANNY	

ACES HIGH

Backglass	G-332-25
Ball-Return Parts	
Same as in GRAND TOUR	
Plastic Shields (Complete set)	M-1330-21
Playfield Panel Latch Rails	
LEFT	A-2900-7
RIGHT	A-2900-5
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER	
(Left, Center, Right Bumpers)	
Same as in HOOTENANNY	
LOWER THUMPER BUMPER	
Coil, Frame same as THUMPER BUMPER Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-31J
JACK & 10	
Coil	C-7800-3315-0
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-3/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AAD-1H-4
RIGHT	AAAA-37H
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	A-604D-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-52J
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-19J-4
RIGHT	AAAA-43J
100 POINT	
Coil, frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAA-43J
THUMPER BUMPER	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
13 Bank	
SINGLE COIN	
Same as SHEBA SINGLE COIN Relay	
MULTI-COIN	
Same as SHEBA MULTI-COIN Relay	
MULTI-PLAY	
Same as SHEBA MULTI-PLAY Relay	
ANTI-CHEAT	
Same as SHEBA ANTI-CHEAT Relay	
HOLD	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABB-21H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H-4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-30H
RIGHT	AAAB-29H-4
50 PT.	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-29H
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-62H
BONUS	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AAAC-31H
ACE	
Coil	C-7800-3315
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-3/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AAD-1H-4
RIGHT	AAAA-37H
KING	
Same as ACE Relay	
QUEEN	
Same as ACE Relay	
Relays, Trip	
12 Bank (6 and 6)	
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-120-27
Same Coin in all other Relays	
Coil	E-184-156
Following references are to switches	
RESET # 1	
LEFT	SW-140-7
RIGHT	SW-121-16
RESET # 2	
LEFT	SW-031-3
RIGHT	SW-211-6
RESET # 3	
LEFT	SW-013-1
RIGHT	SW-021-5
GAME OVER	SW-311-3
1ST PLAYER TILT	
LEFT	SW-111-17
RIGHT	SW-002-9
2 CAN PLAY	
LEFT	SW-202-1
RIGHT	SW-111-17
2ND PLAYER TILT	SW-212-4
3 CAN PLAY	
Same as 2 CAN PLAY Relay	
3RD PLAYER TILT	SW-212-4
4 CAN PLAY	
LEFT	SW-112-6
RIGHT	SW-112-6
4TH PLAYER TILT	SW-212-4
Reset Mechanism	
Same as in 50/50 EXCEPTING	
Bracket & Core Plug Assy.	
RIGHT BANK	AS-586-19
Bracket, Coil	P-2236-6
Core-Plug	S-1065-3
Cup, Spring	P-2293-8
Snap-Washer	P-448-2
Spring, Compression	SP-200-50
Washer, 1/16 in. thick, O.D. 3/4 in., I.D. 7/16 in.	P-801-122
Washer, 3/32 in. thick, O.D. 3/4 in., I.D. 7/16 in. (plus)	P-801-123
LEFT BANK	AS-586-20
Same as RIGHT BANK EXCEPTING	
Bracket, Coil	P-2236-14
Reset-Arm & Spring Stud Assy.	
RIGHT BANK	A-1289-10
LEFT BANK	A-1289-11
Switch & Bracket Assy.	AS-982-547
Bracket, Switch	P-126-535
Screw, Switch (2)	MS-540-7-110
Switch	SW-100-398
Switch-Plate	P-137-5

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

ACES HIGH

DESCRIPTION — **PART NO.**

10 Bank
Same Coil in all Relays
Coil E-184-156
Following references are to switches
1-A SW-410-6
1-K
LEFT SW-310-8
RIGHT SW-201-12
1-Q
LEFT SW-201-12
RIGHT SW-210-26
1-J
Same as 1-K Relay
1-10 . . . . . SW-410-6
Same Switch in all other Relays
Switch SW-310-8
Reset Mechanism
Bracket & Core Plug Assy.
Same as in ACES HIGH, 12 Bank, Right Bank
Coil E-184-94
Main-Shaft S-164-16
Reset-Arm & Spring Stud Assy
Assy. A-1289-9
Reset-Shaft A-2195-14
Tie-Rod S-1275-125

DESCRIPTION — **PART NO.**

Score Motor Assy. AS-2215-28
Cam Assy. A-2725-1
Position 1
Lowest level SW-400-22
Second level
WIRED TO White-Red, White-Black SW-010-141
OTHER 2 switches on second level SW-200-105
Third level SW-240-3
Fourth level
WIRED TO Black-Red, Black SW-100-418
WIRED TO Red, Brown-Yellow SW-100-420
Position 2
Second level
WIRED TO Brown (Plastic), Black (Plastic) SW-010-167
OTHER 3 switches on second level. SW-120-36
Third level SW-140-12

DESCRIPTION — **PART NO.**

Position 3
Second level
WIRED TO Orange-Black, White-Red SW-010-141
WIRED TO Blue-White, Red SW-100-372
Fifth level SW-002-10
Position 4
Second level
WIRED TO Green-Red, Gray-Yellow SW-100-384
OTHER 2 switches on second level SW-200-126
Third level SW-140-12

Stepping Unit, Continuous
Match (0-9) Unit with Bell
Same as in HOOTENANNY

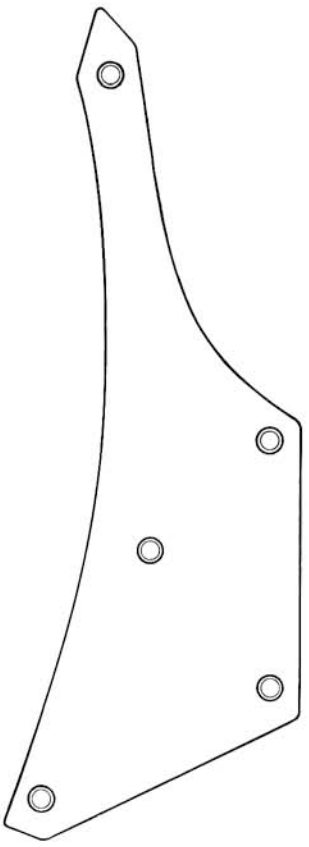
Stepping Unit, Full Reset
Player-up Unit
Same as in BIG DAY

Stepping Unit, Single-Step Reset
Thumper Control Unit
Same as in HOOTENANNY

DISCOTEK

Backglass G-332-27

Ball-Guide
(See illustration below) A-2898-2



Ball-Return Parts
Same as in GRAND TOUR

Free-Ball Gate
Same as in SHEBA

Free-Ball Gate Wire M-1335-1

Plastic Shields (Complete Set) M-1330-20

Playfield Panel Latch Rails
LEFT P-6360-7
RIGHT A-2900-5

Relays, "KK" Type
Single Relays
GATE, TOP
Same as SHEBA TOP GATE Relay
THUMPER BUMPER
Same as in HOOTENANNY
4 Bank
Same as in 50/50
13 Bank
SINGLE COIN
Same as SHEBA SINGLE COIN Relay
MULTI-COIN
Same as SHEBA MULTI-COIN Relay
MULTI-PLAY
Same as SHEBA MULTI-PLAY Relay
ANTI-CHEAT
Coil C-7800-3312
Frame A-604-5
Screw, Switch . . . . . 3-48 x 1-1/8 in.
Switch (Z-1150-21 series) . . AAC-22H-4
HOLD
Coil C-7800-332
Frame A-604-5
Screw, Switch . . . . . 3-48 x 1-1/8 in.
Switch (Z-1150-21 series) . . AAB-17H
BALL RETURN
Coil C-7800-331
Frame A-604-5
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 13/16 in.
RIGHT SWITCH . . . . . 3-48 x 1-7/16 in.
Switch (Z-1150-21 series)
LEFT AA-24H-4
RIGHT AAAA-62H
50 POINT
Coil, Frame same as BALL RETURN Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series)
LEFT A-15H-4
RIGHT AABB-21H
FREE BALL
Coil, Frame same as BALL RETURN Relay
Screw, Switch . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series) . . AAAA-47H
PLAYER UP
Same as SHEBA PLAYER UP Relay
BONUS
Coil C-7800-3315
Frame A-604-5
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series)
LEFT A-15H-4
RIGHT AAAC-28H-4
MATCH
Same as SHEBA MATCH Relay
SERIES "A"
Coil C-7800-251
Frame A-604A-5
Screw, Switch . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series) . . AAAB-29H
SERIES "B"
Coil, Frame same as SERIES "A" Relay
Screw, Switch . . . . . 3-48 x 1-1/16 in.
Switch (Z-1150-21 series) . . AAA-28H

Relays, Trip
12 Bank (6 and 6)
Right bank same as in 50/50
NO. 1
Coil E-184-155
Switch
LEFT. SW-102-11
RIGHT SW-110-71
NO. 2
Coil E-184-155
Switch
LEFT. SW-102-11
RIGHT SW-111-15

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

DISCOTEK

DESCRIPTION	PART NO.
NO. 3	
Coil	E-184-155
Switch	
LEFT	SW-112-10
RIGHT	SW-102-11
NO. 4	
Coil	E-184-156
Switch	
LEFT	SW-004-6
RIGHT	SW-102-11
NO. 5	
Coil	E-184-156
Switches same as NO. 3 Relay	
NO. 6	
Coil	E 184-156
Switches same as NO. 2 Relay	
Reset Mechanism	
Same as in ACES HIGH	
Score Motor Assy.	AS-2215-30
Cam Assy.	A-2725-1

DESCRIPTION	PART NO.
Switch	
Position 1	
Lowest level	SW-300-58
Second level	
WIRED TO White-Red, Orange-Black	SW-010-141
WIRED TO Gray-Black, Gray-Red	SW-100-395
Third level	SW-240-4
Fourth level	
WIRED TO White-Green, White-Brown	SW-010-168
OTHER 2 switches on fourth level	SW-200-105
Position 2	
Second level	
WIRED TO Orange (Plastic), Brown (Plastic)	SW-010-167
OTHER 2 switches on second level	SW-020-42
Third level	SW-030-13
Position 3	
Second level	SW-010-141

DESCRIPTION	PART NO.
Position 4	
Second level	
WIRED TO Brown, Orange-Red	SW-100-384
OTHER 2 Switches on second level	SW-200-126
Third level	SW-140-12
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as in HOOTENANNY	
Stepping Units, Full Reset	
Bonus Unit	
As illustrated, page 39, with	
Contact Plate (wired)	W-1066
Ratchet	C-1050-5
Spring, Torsion	SP-370
Step-up Arm Assy.	A-1765-4
Wiper Assy.	AS-1046-453
Player-up Unit	
Same as in 50/50	
Stepping Unit, Single-Step Reset	
Thumper Control Unit	
Same as in HOOTENANNY	

TRIO

DESCRIPTION	PART NO.
Backglass	G-332-28
Ball-Return Parts	
Same as in GRAND TOUR	
Free-Ball Gate Wire	M-1335-1
Gate Assys.	
Free-Ball Gate Assy.	AS-1587-32
As illustrated on page 58, including improved features shown in circled view, and	
FASTENER (Roll Pin)	P-1637-1
Plunger	S-496-167
Screw, Switch	MS-540-48-510
Switch	SW-202-6
Top Gate	AS-2250-6
Bracket (See page 56)	P-5867-2
Wire (See page 56).	M-1272-4
Plastic Shields (Complete set).	M-1330-22
Playfield-Panel Latch-Rails	
LEFT	A-2900-6
RIGHT	A-2900-5
Relays, "KK" Type	
Single Relays	
THUMPER BUMPER (Left, Center, Right Bumpers) Same as in HOOTENANNY	
TOP THUMBER BUMPER Same as LOWER THUMPER BUMPER Relay in ACES HIGH	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	Z-1161-1
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1170-21 series)	AAAA-1-K

DESCRIPTION	PART NO.
10 POINT	
Coil	C-7800-3315
Frame	Z-1161-1
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch	
LEFT (Z-1150-21 Series	AC-30K-9A
RIGHT (Z-1170-21 Series)	AAAA-2-K-9A
100 POINT	
Coil	C-7800-333
Frame	Z-1161-1
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1170-21 series)	
LEFT	A-1K-4
RIGHT	AAAA-1-K
THUMPER CONTROL	
Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	BC-9H-4
9 Bank	
MULTI-COIN	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AABC-24H
HOLD	
Same as in MAGIC CIRCLE	
TILT	
Coil	C-7800-332
Frame	A-604-5

DESCRIPTION	PART NO.
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-24H-4
RIGHT	AABC-22H-4
SERIES	
Coil	C-7800-251
Frame	Z-1161
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1170-21 series)	AB-1-K-4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-31H
50 POINT	
Coil	C-7800-3315
Frame	Z-1161
Screw, Switch	
LEFT SWITCH	3-48 x 5/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	D-1
RIGHT	AABB-1-K
ADVANCE	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Screw (Z-1150-21 series)	
LEFT	AAA-27H-4
RIGHT	AABC-24H
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H-4

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

TRIO

DESCRIPTION	PART NO.
BONUS	
Coil	C-7800-3315
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-14H
Relays, Trip	
8 Bank (3 and 5)	
START	
Same as in MAGIC CIRCLE	
RESET	
Same as in MAGIC CIRCLE	
GAME OVER	
Coil	E-184-156
Switch	SW-021-5
Same Coil in first 3 Relays, 5 Bank	
Coil	E-184-155
Same Switch in first 3 Relays, 5 Bank	
Switch	SW-003-2
Same Coil in last 2 Relays, 5 Bank	
Coil	E-184-156
Same Switch in last 2 Relays, 5 Bank	
Switch	SW-111-15
Reset Mechanism	
Bracket & Core Plug Assy.	
(See ACES HIGH, 12 Bank, for details)	
3 Bank	AS-586-19
5 Bank	AS-586-20
Coil	
3 Bank	E-184-63
5 Bank	E-184-87
Main-Shaft	
3 Bank	S-164-49
5 Bank	S-164-46
Reset-Arm & Spring Stud Assy.	
3 Bank	A-1289-10
5 Bank	A-1289-11
Reset-Shaft	
3 Bank	A-2195-24
5 Bank	A-2195-22
Switch & Bracket Assy.	AS-982-547
(See ACES HIGH, 12 Bank, for details)	
Tie-Rod	S-1275-64
Score Motor Assy.	AS-2215-32
Cam Assy.	A-2725-4
Switch	
Position 1	
Lowest level	SW-200-108
Second level	SW-010-141
Third level	SW-240-4
Position 2	
Second level	
WIRED TO Red (Plastic), White-Blue (Plastic)	SW-010-167
WIRED TO Orange-Green, Orange	SW-010-140
Third level	SW-130-16
Position 3	
Second level	SW-010-141
Fourth level	SW-002-10
Fifth level	SW-002-10
Position 4	
Second level	
WIRED TO Blue-Red, White	SW-100-384
OTHER 2 switches on second level	SW-200-126
Third level	SW-210-54
Advance Unit	
Numbers Advance Unit	
As illustrated, page 41, with	
Base Plate Assy.	A-2214-12
Coil	E-184-206
Contact Plate (Wired)	W-999-4
Core-Plug Assy	A-613-68
Drive-Pawl	C-435-1
Plunger	S-496-160
Roll-Pin	P-1637-43
Stop-Plate	P-5222-1
Switch	SW-100-44
Stepping Unit, Continuous	
Match (0-9) Unit with Bell	
As illustrated, page 38, with	
Coil	E-184-205
Contact Plate (Wired)	W-1034-1
Mounting Bracket	P-5052-11
Pivot Pin (NOTE A)	S-737-48
NOTE A: Improved pivot mounting for Step-Up Arm Assy.	
Plunger	S-496-100
Ratchet	C-1050
Spring, Extension	SP-100-125
Step-Up Arm Assy.	A-1765-18
Stop-Nut, Elastic (NOTE B)	M-319-3
NOTE B: Used with Pivot Pin	
Wiper Assy.	AS-1046-395
Stepping Unit, Full Reset	
Ball Count Unit	
Same as in BULLFIGHT, with	
Pivot Pin (NOTE A)	S-737-48
NOTE A: Improved pivot mounting for Step-Up Arm Assy.	
Stop-Nut, Elastic (NOTE B)	M-319-3
NOTE B: Used with Pivot Pin	
Stepping Unit, Single-Step Reset	
Bonus Unit	
As illustrated, page 40, with	
Contact Plate (Wired)	W-1072
Escapement Pawl	P-3387
Pivot Pin (NOTE A)	S-737-48
NOTE A: Improved pivot mounting for Step-Up Arm Assy.	
Ratchet	C-1050-20
Reset Pawl Assy.	A-1766-4
Screws	
Contact Plate	MS-832-4-810
Core-Plug Assy	LS-832-4-510
Mounting Plate	LS-540-5-510
Spring Stop	LS-540-4-510
SW-010-56	MS-540-20-110
SW-100-428	MS-540-21-110
SW-101-25	MS-540-21-110
Soldering Lug	P-405-14
Spring, Extension, Escapement Pawl	SP-100-110
Step-Up Arm Assy.	A-1765-5
Stop-Nut, Elastic (NOTE B)	M-319-3
NOTE B: Used with Pivot Pin	
Switch	
End of stroke	
Reset	SW-100-428
Step-up	SW-101-25
Operate at zero	SW-001-56
Switch-Plate	
Flat	P-126-154
Spring	P-137-5
Washer (Wiper)	P-801-107
Wiper Assy.	AS-1046-459
Thumper Control Unit	
Same as in HOOTENANNY, with	
Pivot Pin (NOTE A)	S-737-48
NOTE A: Improved pivot mounting for Step-Up Arm Assy.	
Stop-Nut, Elastic (NOTE B)	M-319-3
NOTE B: Used with S-737-48	

TRIO (Add-A-Ball)

Backglass G-332-35

Other detail same as TRIO, excepting
Add-A-Ball Counter Assy. AS-797-102

(See page 33B)

BLUE RIBBON

Backglass G-332-30

Ball-Return Parts
Same as in GRAND TOUR

Free-Ball Gate Wire M-1335-1

Gate Assys.

Free-Ball Gate Assy.
Same as in SHEBA
Top Gate Assy.
Same as in TRIO

Plastic Shields (Complete set) . M-1330-23

Playfield-Panel Latch-Rails

LEFT P-6360-7
RIGHT A-2900-5

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BLUE RIBBON

DESCRIPTION	PART NO.
Relays, "KK" Type	
Single Relay	
THUMPER BUMPER	
Same as in HOOTENANNY	
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	Z-1161-1
Screw, Switch	3-48 x 1 in.
Switch (Z-1150-21 series)	AAA-35K
10 POINT	
Same as TRIO 1 POINT Relay	
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	3-48 x 1-7/16 in.
Switch (Z-1170-21 series)	AAAA-3-K
THUMPER CONTROL	
Same as TRIO THUMPER CONTROL Relay	
13 Bank	
1ST COIN CHUTE	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-28H-4
2ND COIN CHUTE	
Coil, Frame same as 1ST COIN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AAAB-28H-4
3RD COIN CHUTE	
Same as 2ND COIN CHUTE Relay	
MULTI-PLAY	
Coil, Frame same as 1ST COIN CHUTE Relay	
Screw and Switch same as SHEBA MULTI-PLAY Relay	
ANTI-CHEAT	
Coil, Frame same as SHEBA ANTI-CHEAT Relay	
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-14H
HOLD	
Same as SHEBA HOLD Relay	
MATCH	
Coil, Frame same as SHEBA MATCH Relay	
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H4
SERIES	
Coil	C-7800-251
Frame	Z-1161
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1170-21 series)	AAB-1K
BALL RETURN	
Coil, Frame same as SHEBA BALL Return	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AA-30H
RIGHT	AAAB-28H4
40 POINT	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-29H
PLAYER UP	
Coil, Frame same as BALL RETURN Relay	
Screw	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	AAAA-60H
BONUS	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AAAB-26H
20 POINT	
Coil	C-7800-3316
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 9/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	D-2H4
RIGHT	AAAB-31H
Relays, Trip	
9 Bank	
Same Coil in first 8 Relays	
Coil	E-184-156

DESCRIPTION	PART NO.
Following references are to switches	
4TH PLAYER TILT	SW-212-4
4 CAN PLAY	
LEFT	SW-112-6
RIGHT	SW-112-6
3RD PLAYER TILT	SW-212-4
3 CAN PLAY	
LEFT	SW-202-1
RIGHT	SW-111-17
2ND PLAYER TILT	SW-212-4
2 CAN PLAY	
Same as 3 CAN PLAY Relay	
1ST PLAYER TILT	
LEFT	SW-002-9
RIGHT	SW-111-17
GAME OVER	SW-311-3
START	
Coil	E-184-187
Switch	
LEFT	SW-102-11
RIGHT	SW-220-9
Reset Mechanism	
Bracket & Core Plug Assy. (See ACES HIGH, 12 Bank, Left Bank, for details)	AS-586-20
Coil	E-184-94
Main-Shaft	S-164-17
Reset-Arm & Spring Stud Assy	A-1289-11
Reset-Shaft	A-2195-18
Switch & Bracket Assy.	AS-982-557
Bracket, Switch	P-126-540
Screw, Switch (2)	MS-540-7-110
Switch	SW-100-456
Switch-Plate	P-137-5
Tie-Rod	S-1275-64
16 Bank (8 and 8)	
Same coil in all Relays	
Coil	E-184-155
Following reference are to switches	
Same switch in first 4 Relays, right bank	
Switch	SW-301-5
Same switches in next 3 Relays, right bank	
Switch	
LEFT	SW-201-12
RIGHT	SW-200-78
RED 4	
LEFT	SW-201-12
RIGHT	SW-101-23
Same switches in first 3 Relays, left bank	
Switch	
LEFT	SW-201-12
RIGHT	SW-200-78
YELLOW 4	
LEFT	SW-201-12
RIGHT	SW-201-12
Same switch in last 4 Relays, left bank	
Switch	SW-301-5
Reset Mechanism	
Bracket & Core Plug Assy. (Same as ACES HIGH, 12 Bank)	
Same Coil in both banks	
Coil	E-184-87
Main-Shaft	
Right Bank	S-164-23
Left Bank	S-164-22
Reset Arm & Spring Stud Assy.	
Same as ACES HIGH, 12 Bank	
Reset-Shaft	A-2195-15
Tie-Rod	S-1275-59
Score Motor Assy.	AS-2380-1
As illustrated, pages 31A, 31B, with	
Cam Assy.	AS-975-120
Cams numbered from Motor end	
Cam 1	P-1365-537
Cam 2	P-1365-538
Cam 3	P-1365-539
Cam 4	P-1365-540
Cam 5	P-1365-541
Cam 6	P-1365-542
Cam 7	P-1365-543
Cam 8	P-1365-544
Cam 9	P-1365-545
Cam 10	P-1365-546
Cam 11	P-1365-554
Hexagon Shaft	S-1947
Retaining Ring (2)	P-2891-8
Spacer (10)	S-1949
Spring, Compression	SP-200-31
Washer (2)	P-801-102

DESCRIPTION	PART NO.
Switch & Bracket Assy.	AS-982-558
Bracket, Switch	P-126-537
WITH CAM 1	
Screw, Switch	MS-540-30-110
Switch	SW-230-10
WITH CAM 2	
Screw, Switch	MS-540-18-110
Switch	SW-300-62
WITH CAM 3	
Screw, Switch	MS-540-14-110
Switch	SW-200-135
WITH CAM 4	
Screw, Switch	MS-540-32-110
Switch	SW-500-8
WITH CAM 5	
Screw, Switch	MS-540-24-110
Switch	SW-400-23
WITH CAM 6	
Same as WITH CAM 2	
WITH CAM 7	
Screw, Switch	MS-540-18-110
Switch	SW-300-65
WITH CAM 8, CAM 9	
Same as with Cam 2	
WITH CAM 10	
Screw, Switch	MS-540-24-110
Switch	SW-130-18
WITH CAM 11	
Screw, Switch	MS-540-9-110
Screw	SW-100-234
Switch-Plate (Spring) (11)	P-137-5
Stepping Unit, Continuous	
BONUS UNIT	
As illustrated, page 37, with	
Base-Plate Assy.	A-1768-30
Coil	E-184-205
Contact-Plate (Wired)	W-1066-1
Fasteners	
Contact-Plate	
MS-832-4-810 (2)	
Stop-Plate	
LS-832-5-511 (2)	
PW-8-10 (2)	
No. 8 Lockwasher, Split (2)	
Switch SW-010-189	
MS-540-12-110 (2)	
Pivot-Pin	S-737-48
(See STEPPING UNITS NOTES, page 36B)	
Plunger	S-496-162
Ratchet	C-1060
Spring, Extension	SP-100-125
Step-Up Arm Assy.	A-1765-8
Stop-Nut, Elastic	M-319-3
(See STEPPING UNIT NOTES, page 36B)	
Switch	SW-010-189
Wiper Assy.	AS-1046-460
MATCH (0-9) UNIT	
Same as in BUS STOP with	
Pivot-Pin	S-737-48
Stop-Nut, Elastic	M-319-3
(See STEPPING UNITS NOTES, page 36B)	
Stepping Unit, Full Reset	
PLAYER UP UNIT	
As illustrated, page 39 with	
Bushing	S-231-332
(2 with Contact Strip Assy.)	
Contact-Plate (Wired)	W-1004-9
Contact Strip Assy.	A-1119-62
Core-Plug Assy.	A-613-33
Fasteners	
Contact-Plate	
MS-832-4-810 (2)	
Contact Strip Assy.	
MS-540-10-110 (2)	
N-440-1111 (2)	
Core-Plug Assy.	
LS-632-4-510 (4)	
Pivot-Pin	
M-319-3	
Spring-Stop	
LS-540-4-510 (2)	
Switch	
SW-100-149	
MS-540-11-110 (2)	
SW-110-118	
MS-540-14-110 (2)	
Switch Mounting Plate	
MS-540-5-510	
Wiper	
No. 8 x 5/8 in. Type A Sheet Metal Screw	

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

BLUE RIBBON

DESCRIPTION	PART NO.
Pivot-Pin	S-737-48
(See STEPPING UNITS NOTES, page 36B)	
Plate	P-126-154
One used with each of following	
Spring-Stop;	
SW-100-149, SW-110-118;	
Switch Mounting Plate	
Ratchet	C-1060-20
Solder Lug	P-405-14
Spring,	
Extension,	
Reset	SP-100-120
Step-Up	SP-100-113
Torsion	SP-370
Wire-Retaining	SP-433-1
Step-Up Arm Assy.	A-1765-14
Stop-Nut, Elastic	M-319-3
(See STEPPING UNITS NOTES, page 36B)	
Switch	
End of stroke	SW-100-149
Zero	SW-110-118
Switch Mounting Plate	P-126-247
Switch-Plate (Spring) (2)	P 137-5
Washer (Wiper)	P-801-107
Wiper Assy.	AS-1046-437
Stepping Unit, Single-Step Reset	
THUMPER CONTROL UNIT	
Same as in HOOTENANNY, with	
Pivot-Pin	S-737-48
Stop-Nut, Elastic	M-319-3
(See STEPPING UNITS NOTES, page 36B)	

WILD-WHEELS

Backglass G-332-34

Ball-Return Parts

Ball-Return Switch	SW-100-412
Ball-Trough Assy.	A-2896-1
Ball-Trough Back Wall	P-6344
Switch-Plate (spring)	P-137-5

Free-Ball Gate Assy. AS-1587-33
As illustrated, page 58, EXCEPTING

Plunger	S-466-167
Roll-Pin (FASTENERS)	P-1637-1
Screw, Switch	MS-540-20-510
Switch	SW-201-18

Free-Ball Gate Wire M-1335-1

Match-Wheel Assy. (3 used) AS-1900-76
Same as AS-1900-75 (pages 35, 36), EXCEPTING

Base-Plate Assy.	A-2214-14
Contact-Plate (Wired)	W-999-7
Screw, Switch	LS-348-18-410
Switch	SW-010-187
Wheel	C-691
Wiper Assy.	A-1618

Plastic Shields (Complete set) . . M-1330-25

Playfield Panel Latch-Rails
Same as in BLUE RIBBON

Relays, "KK" Type

Single Relays

NO. 1 RESET

Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 7/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AB-15H
RIGHT	AAAC-25-H4

NO. 2 RESET

Coil, frame same as NO. 1 RESET Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-16H-9A
RIGHT	AAAC-25-H4

THUMPER BUMPER
(Left, Center, Right Bumpers)

Coil	C-7800-334
Frame	A-604A-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	
LEFT	A-23J-4
RIGHT	AAA-31J

3 Bank

1 POINT

Coil	C-7800-333
Frame	Z-1161-1
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	A-3K4
RIGHT	AAAA-1K

10 POINT

Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	AAB-3K4
RIGHT	AAAA-1K

100 POINT

Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT	3-48 x 7/8 in.
RIGHT	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	AB-2K4
RIGHT	AAAA-2K-9A

15 Bank

FIRST COIN CHUTE

Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-28H4

SECOND COIN CHUTE

Coil, Frame same as FIRST COIN CHUTE Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AAAB-28H4

THIRD COIN CHUTE
Same as SECOND COIN CHUTE Relay

MULTI-PLAY

Coil, Frame same as FIRST COIN CHUTE Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-23H

ANTI-CHEAT

Coil	C-7800-3312
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-14H

HOLD

Coil	C-7800-332
Frame	A-604-5
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	AC-13H4

BALL RETURN

Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-9/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	ACBB-11H
RIGHT	AAAA-62H

PLAYER UP

Coil, Frame same as BALL RETURN Relay	
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-28H

MATCH

Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAB-16H4

FREE BALL

Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 3/4 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AB-17H4
RIGHT	AAAA-37H

50 PT.

Coil	C-7800-3316
Frame	Z-1161
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	AAB-3K
RIGHT	AABB-2K4

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

WILD-WHEELS

DESCRIPTION	PART NO.
#1	
Coil	C-7800-3316
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAAB-28H4
RIGHT	AAAC-33H
#2	
Same as #1 Relay	
#3	
Same as #1 Relay	
BONUS	
Coil, Frame as as #1 Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAAB-28H4
RIGHT	AAAB-26H
Relays, Trip	
10 Bank (5 and 5)	
START	
Coil	E-184-187
Switch	
LEFT	SW-121-16
RIGHT	SW-101-23
Same Coil in all other Relays	
Coil	E-184-156
Following references are to switches	
GAME OVER	SW-111-15
1ST PLAYER TILT	
LEFT	SW-021-5
RIGHT	SW-102-3
2ND PLAYER TILT	
Both Switches identical	SW-111-15
2 CAN PLAY	
LEFT	SW-212-4
RIGHT	SW-202-1
1 & 2	
LEFT	SW-211-6
RIGHT	SW-003-2
1 & 3	
Both Switches identical	SW-112-10
2 & 3	
LEFT	SW-121-16
RIGHT	SW-211-6

DESCRIPTION	PART NO.
SPECIAL	
LEFT	SW-210-26
RIGHT	SW-120-27
WILD WHEELS	SW-012-2
Reset Mechanism	
Bracket & Core Plug Assy.	
(See ACES HIGH, 12 Bank, for details)	
LEFT BANK	AS-586-20
RIGHT BANK	AS-586-19
Coil	
Same Coil in both Banks	E-184-87
Main-Shaft	
LEFT BANK	S-164-46
RIGHT BANK	S-164-63
Reset-Arm & Spring Stud Assy.	
LEFT BANK	A-1289-11
RIGHT BANK	A-1289-10
Reset-Shaft	
Same Shaft on both Banks	A-2195-22
Switch & Bracket Assy.	
Same as in ACES HIGH, 12 Bank	
Tie-Rod	S-1275-74
Score Motor Assy.	AS-2380
As illustrated, pages 31A, 31B, with	
Cam Assy.	AS-975-116
Same as in BLUE RIBBON, excepting	
Cam 11	P-1365-547
Switch & Bracket Assy.	AS-982-554
Bracket, Switch	P-126-537
WITH CAM 1	
Same as in BLUE RIBBON, CAM 1	
WITH CAM 2	
Screw, Switch	MS-540-20-110
Switch	SW-200-135
WITH CAM 3	
Screw, Switch	MS-540-18-110
Switch	SW-300-62
WITH CAM 4	
Screw, Switch	MS-540-24-110
Screw	SW-300-62
WITH CAM 5, CAM 6	
Same as WITH CAM 3	
WITH CAM 7	
Same as with CAM 2	
WITH CAM 8	
Same as with CAM 4	
WITH CAM 9	

DESCRIPTION	PART NO.
Same as with CAM 3	
WITH CAM 10	
Screw, Switch	MS-540-20-110
Switch	SW-030-18
WITH CAM 11	
Screw, Switch	MS-540-20-110
Switch	SW-002-13
Switch-Plate (Spring) (11)	P-137-5
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as BUS STOP Match Unit	
Stepping Units, Full Reset	
Player-Up Unit	
As illustrated, page 40, with	
Contact Plate (Wired)	W-1004-10
Core-Plug Assy.	A-613-33
FASTENERS	
Contact-Plate	MS-832-4-810
Core-Plug Assy.	LS-832-4-510
Pivot Pin	M-319-3
Plate, Switch Mounting	MS-540-5-510
Switch	
SW-100-149	MS-540-11-110
SW-101-29	MS-540-14-110
Spring Stop	LS-540-4-510
Pivot Pin	S-737-48
Plate	P-126-154
Plate, Switch Mounting	P-126-247
Plunger, Step-Up	S-496-162
Ratchet	C-1060-10
Solder Lug	P-405-14
Spring, Extension	
Reset Pawl	SP-100-120
Spring, Torsion	SP-370
Step-Up Arm Assy.	A-1765-14
Switch	
End of Stroke	SW-100-149
Zero	SW-101-29
Switch-Plate (Spring)	P-137-5
Washer, Wiper Assy.	P-801-107
Wiper Assy.	AS-1046-439

SIX STICKS

SIX STICKS

Backglass G-332-37

Ball-Return Parts
Same as in WILD WHEELS

Free-Ball Gate Assy.	AS-1587-37
As illustrated, page 58, with	
Base-Plate Assy.	A-1888-15
Lever-Arm Assy.	A-1889-7
Plunger	S-496-167
Screw, Switch (2)	MS-540-10-110
Set-Screw	M-1369
Switch	SW-110-142

Free-Ball Gate Wire M-1335-1

KICKBACK GATE, parts related to

Arch-Extension Bracket P-6740
(See half-size top view below)



Guide Bracket	P-6785
(See half-size side view below)	
Kickback Arm Assy.	AS-2381
Anvil	S-1952
Bumper, Rubber	R-392
Kickback Arm & Shaft Assy.	A-2747-2
Screw	LS-1032-20-511
Stop-Nut, Elastic	M-319-1
Kickback Ball Guide	P-6739
(See half size profile view on next page	
Switch	SW-100-461
(See illustration, page 54)	



WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

SIX STICKS



Plastic Shields (Complete set) . M-1330-26

Playfield Panel Latch-Rails

LEFT P-6360-11
RIGHT A-2900-5

Relays, "KK" Type

Single Relay
THUMPER BUMPER
Coil C-7800-334-0
Frame A-604A-5
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/8 in.
Switch (Z-1150-21 series)
LEFT A-23-J-4
RIGHT AAA-31-J
8 Bank
PLAYER UP RESET
Coil C-7800-331
Frame A-604-5
Screw, Switch . . . . . 3-48 x 1-1/8 in.
Switch (Z-1150-21 series) . AAB-16H4
FREE BALL
Coil, Frame same as PLAYER UP RESET Relay
Screw, Switch . . . . . 3-48 x 1-1/16 in.
Switch (Z-1150-21 series) . AAA-33H
BONUS
Coil C-7800-3316
Frame A-604-5
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1-1/16 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/16 in.
Switch (Z-1150-21 series)
LEFT AAD-1H4
RIGHT AAA-36H
NO. 3 M.B.
Same as BONUS Relay
THUMPER CONTROL
Coil C-7800-3314
Frame Z-1161
Screw, Switch . . . . . 3-48 x 13/16 in.
Switch (Z-1170-21 series) . CB-1K4
100 POINT
Coil C-7800-3316
Frame Z-1161-1
Screw, Switch . . . . . 3-48 x 1-5/8 in.
Switch (Z-1170-21 series) . AAAD-1K
100 POINT
Coil, Frame same as 100 POINT Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 15/16 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/16 in.
Switch (Z-1170-21 series)
LEFT AD-1K
RIGHT AAA-2K
1 POINT
Same as 100 POINT Relay
15 Bank
1ST COIN CHUTE
Coil C-7800-384
Frame A-604C-5
Screw, Switch . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series) . AAAB-28H4
2ND COIN CHUTE
Coil, Frame same as 1ST COIN CHUTE Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series)
LEFT A-15H-4
RIGHT AAAB-28H4
3RD COIN CHUTE
Same as 2ND COIN CHUTE Relay

MULTI-PLAY
Coil, Frame same as 2ND COIN-CHUTE Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/16 in.
Switch (Z-1150-21 series)
LEFT A-15H-4
RIGHT AAA-36H
ANTI-CHEAT
Coil C-7800-3312
Frame A-604-5
Screw, Switch . . . . . 3-48 x 7/8 in.
Switch (Z-1150-21 series) . AC-14H
HOLD
Coil C-7800-335
Frame A-604-5
Screw, Switch . . . . . 3-48 x 1-1/8 in.
Switch (Z-1150-21 series) . ACC-14H
MATCH
Coil C-7800-334
Frame A-604-5
Screw, Switch . . . . . 3-48 x 7/8 in.
Switch (Z-1150-21 series) . AC-13H4
SERIES
Coil C-7800-351
Frame Z-1161
Screw, Switch . . . . . 3-48 x 1-1/2 in.
Switch (Z-1170-21 series) . AAAB-1K
BALL RETURN
Coil C-7800-331
Frame A-604-5
Screw, Switch . . . . . 3-48 x 1-9/16 in.
Switch (Z-1150-21 series) . AAAC-34H
50 POINT
Coil C-7800-3316
Frame Z-1161
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 7/8 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
Switch (Z-1170-21 series)
LEFT ABBB-K4
RIGHT AABB-1K
PLAYER UP
Coil C-7800-331
Frame A-604-5
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1/2 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/16 in.
Switch (Z-1150-21 series)
LEFT A-15H4
RIGHT AAA-36H
NO. 1 RESET
Coil, Frame same as PLAYER UP Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1-1/8 in.
RIGHT SWITCH . . . . . 3-48 x 1-7/16 in.
Switch (Z-1150-21 series)
LEFT ACC-11H4
RIGHT AAAA-45H4
NO. 2 RESET
Same as NO. 1 RESET Relay
NO. 3 RESET
Coil, Frame same as NO. 1 RESET Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1-1/8 in.
RIGHT SWITCH . . . . . 3-48 x 1-7/16 in.
Switch (Z-1150-21 series)
LEFT AAC-22H4
RIGHT AAAA-45H4
NO. 4 RESET
Coil, Frame same as NO. 1 RESET Relay
Screw, Switch
LEFT SWITCH . . . . . 3-48 x 1-1/8 in.
RIGHT SWITCH . . . . . 3-48 x 1-1/2 in.
Switch (Z-1150-21 series)
LEFT ACB-20H
RIGHT AAAB-29H

Relays, Trip

4 Bank
300
Coil E-184-156
Switch SW-111-17
1
Coil E-184-155
Switch
LEFT SW-112-6
RIGHT SW-103-3
2
Coil E-184-155
Switch
LEFT SW-112-6
RIGHT SW-112-6
3
Coil E-184-156
Switch
LEFT SW-112-6
RIGHT SW-121-16

Reset Mechanism
Bracket & Core Plug Assy. AS-586-19
(See ACES HIGH, 12 Bank, Right Bank, for details)
Coil E-184-63
Main-Shaft S-164-38
Reset-Arm & Stud Assy. . . A-1289-9
Reset-Shaft A-2195-11
Switch & Bracket Assy.
Same as ACES HIGH, 12 Bank
Tie-Rod S-1275-116
13 Bank (9 and 4)
START
Coil E-184-187
Switch
LEFT SW-202-1
RIGHT SW-220-9

Same Coil in all other Relays
Coil E-184-56
Following references are to switches
GAME OVER
LEFT SW-311-3
RIGHT SW-201-12
1ST PLAYER TILT
LEFT SW-101-23
RIGHT SW-011-17
2 CAN PLAY
LEFT SW-102-11
RIGHT SW-211-6
2ND PLAYER TILT SW-212-4
3 CAN PLAY
Same as 2 CAN PLAY Relay
3RD PLAYER TILT SW-212-4
4 CAN PLAY
Same as 2 CAN PLAY Relay
4TH PLAYER TILT SW-212-4
5 CAN PLAY
Same as 2 CAN PLAY Relay
5TH PLAYER TILT SW-212-4
6 CAN PLAY
LEFT SW-112-6
RIGHT SW-112-6
6TH PLAYER TILT SW-212-4
Reset Mechanism
Bracket & Core-Plug Assy.
(See ACES HIGH, 12 Bank, for details)
9 BANK AS-586-20
4 BANK AS-586-19

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

SIX STICKS

DESCRIPTION	PART NO.
Coil	
9 BANK	E-184-94
4 BANK	E-184-63
Main-Shaft	
9 BANK	S-164-31
4 BANK	S-164-50
Reset-Arm & Spring Stud Assy.	
9 BANK	A-1289-11
4 BANK	A-1289-10
Reset-Shaft	
9 BANK	A-2195-6
4 BANK	A-2195-25
Switch & Bracket Assy.	
Same as BLUE RIBBON, 9 Bank	
Tie-Rod	S-1275-137
Score Motor Assy.	AS-2380-2
As illustrated, pages 31A, 31B, with	
Cam Assy.	AS-975-116
Same as in WILD WHEELS	
Switch & Bracket Assys.	
Main Assy.	AS-982-550
Bracket, Switch	P-126-537
WITH CAM 1	
Screw, Switch	MS-540-38-110
Switch	SW-250-4
WITH CAM 2	
Screw, Switch	MS-540-30-110
Switch	SW-300-67
WITH CAM 3	
Screw, Switch	MS-540-38-110
Switch	SW-600-5
WITH CAM 4	
Screw, Switch	MS-540-24-110
Switch	SW-400-23
WITH CAM 5	
Screw, Switch	MS-540-18-110
Switch	SW-300-62
WITH CAM 6	
Same as WITH CAM 5	
WITH CAM 7	
Same as WITH CAM 4	
WITH CAM 8	
Same as WITH CAM 3	
WITH CAM 9	
Same as WITH CAM 5	
WITH CAM 10	
Screw, Switch	MS-540-24-110
Switch	SW-130-18
WITH CAM 11	
Screw, Switch	MS-540-26-110
Switch	SW-003-8
Switch-Plate (Spring) (11)	P-137-5
Auxiliary Assy.	AS-982-570
Bracket,	
Switch Mounting	P-126-544
Plate	P-126-154
Screw, Switch	MS-540-14-110
Switch	SW-200-140
Switch-Plate, (Spring)	P-137-5
Stepping Unit, Continuous	
Match (0-90 Unit	
As illustrated, page 38, with	
Base-Plate Assy.	A-1768-25
Bracket, Mounting	P-5052-14
Coil	E-184-205
Contact-Plate (Wired)	W-1034
Pivot Pin	S-737-48
Ratchet & Shaft	C-1050
Spring, Extension	SP-100-125
Step-Up Arm Assy.	A-1765-18
Stop-Nut, Elastic	M-319-3
Washer (End of Shaft)	P-801-107
Wiper Assy.	AS-1046-395
FASTENERS	
Bell Assy.	
Lockwasher	No. 10, External Tooth
Nut	No. 10-32
Washer	PW-10-10
Bracket, Mounting	
Lockscrew (2)	LS-832-8-510
Lockwasher (2)	No. 8, External Tooth
Nut (2)	No. 8-32
Contact-Plate	
Lockwasher (2)	No. 8, split
Screw (2)	MS-832-4-810
Core-Plug Assy.	
Lockscrew	LS-632-4-510
Stop-Plate	
Screw	MS-832-5-510
Washer	PW-8-10
Wiper Assy.	
Screw	No. 8 x 5/8 in. Sheet Metal Type Z
Stepping Units, Full Reset	
Ball Count Unit	
As illustrated, page 39, with	
Bracket, Switch Mount	P-126-247
Contact-Plate (Wired)	W-1043-1
Core-Plug & Bracket Assy.	A-613-33
Pivot-Pin	S-737-48
Plunger, Step-Up	S-496-100
Ratchet & Shaft	C-1050-4
Solder Lug	P-405-14
Step-Up Arm Assy.	A-1765-8
Stop-Nut, Elastic	M-319-3
Switch	
End of Stroke	SW-100-462
Zero	SW-101-29
Switch-Plate	
Flat	P-126-154
Spring	P-137-5
Washer (End of Shaft)	P-801-107
Wiper Assy.	AS-1046-464
FASTENERS	
Contact Plate	
Screw	MS-832-4-810
Core-Plug Assy.	
Lockscrew	LS-632-4-510
Spring Stop	
Lockscrew (2)	LS-540-4-510
Switch SW-100-462	
Screw	MS-540-11-110
Switch SW-101-29	
Screw	MS-540-14-110
Wiper Assy.	
Screw,	
Sheet Metal Type Z	No. 8 x 5/8 in.
Player-Up Unit	
As illustrated, page 39, with	
Bracket, Switch Mount	P-126-247
Bushing (Contact Strip)	S-231-332
Contact-Plate (Wired)	W-1004-12
Contact Strip Assy.	A-1119-64
Core-Plug Assy.	A-613-33
Pin (Ratchet)	M-740
Pivot Pin	S-737-48
Ratchet & Shaft	C-1050-7-39
Shield, Insulator	P-150-45
Solder Lug	P-405-14
Spring, Extension	
Reset	SP-100-120
Step-Up	SP-100-113
Spring, Torsion	SP-370
Spring, Wire Retaining	SP-433-1
Step-Up Arm Assy.	A-1765-8
Stop-Nut, Elastic	M-319-3
Switch	
End of Stroke	SW-100-462
Limit	SW-100-463
Zero	SW-110-118
Washer (Wiper)	P-801-107
Wiper Assy.	AS-1046-463
FASTENERS	
Bracket, Switch Mounting Strip	
Screw (2)	MS-540-5-510
Contact Plate Assy.	
Screw (2)	MS-832-4-810
Contact Strip Assy.	
Nut (1)	N-440-1111
Screw (2)	MS-440-18-110
Core-Plug Assy.	
Lockscrew (4)	LS-632-4-510
Spring Stop	
Lockscrew (2)	LS-540-4-510
Switch,	
SW-100-118	
Screw (2)	MS-540-18-110
SW-100-462	
Screw (2)	MS-540-11-110
SW-100-463	
Screw (2)	MS-540-6-110
Wiper	
Screw,	
Sheet Metal Type Z	No. 8 x 5/8 in.
Stepping Units, Single Step Reset	
Thumper Control Unit	
As illustrated, page 40, with	
Contact-Plate Assy. (Wired)	W-1000-1
Core-Plug & Bracket Assy.	A-613-33
Pawl, Escapement	P-3387-1
Pivot Pin	S-737-48
Ratchet & Shaft	C-100-40
Reset Pawl Assy.	A-1766-2
Soldering Lug	P-405-14
Spring, Extension,	
Escapement Pawl	SP-100-110
Reset-Pawl-Step-Up Arm	SP-100-113
Step-Up Arm Assy.	A-1765-4
Stop-Nut, Elastic	M-319-3
Washer (Wiper)	P-801-107
Wiper Assy.	AS-1046-383
FASTENERS	
Contact Plate Assy.	
Screw (2)	MS-832-4-810
Core-Plug Assy.	
Lockscrew (4)	LS-632-4-510
Spring Stop	
Lockscrew (2)	LS-540-4-510
Wiper	
Screw,	
Sheet Metal Type Z	No. 8 x 1 in.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

GOLD RUSH

DESCRIPTION	PART NO.
Backglass	G-332-44
Ball-Return Parts	
Same as in WILD WHEELS	
Bumper Assy., Bonus Hole	AS-493-4
Same as AS-493-3, page 66, EXCEPTING	
Bracket: NOT USED	
Nut may be (optional)	N 1032-1111
Screw may be (optional)	10-32 x 3/4 in.
Free-Ball Gate Assy.	AS-1587-25
As illustrated, page 58,	
with circled modifications, excepting	
FASTENER between Plunger	
and Lever-Arm Assy. is	
Roll-Pin	P-1637-1
Plunger	S-496-167
Screw, Switch (2)	MS-540-15-110
Free-Ball Gate Wire	M-1335-1
Gate, Bonus Bumper Guard	AS-2250-10
Bracket (See page 56)	P-5867-4
Wire (See page 56)	M-1272-10
MYSTERY BONUS COMPONENTS	
(Located in Back Cabinet)	
Ball-Cover Assy.	A-2890-32
Ball-Guide Assy.	A-2890-31
Bracket, Rollover Wire	P-6254
(As illustrated, page 54)	
Kicker-Arm & Shaft Assy.	A-2747-3
(Attached to, not part of AS-1587-40)	
Kicker-Arm & Shaft Assy.	AS-1587-40
Same as Super Flipper Unit AS-1587-19,	
illustrated, page 62, excepting	
Bearing	C-649-3
Set-Screw (Nylok)	M-1369
Micro-Switch	E-108-103
Pin (50)	S-1071-474
Spacer-Plate	P-6815
(Directly above Micro-Switch)	
Switch, Rollover (3)	SW-100-474
Switch-Guard	P-6665-30
(At end of Micro-Switch Wire stroke)	
Wire, Micro-Switch	M-666-16
Wire, Rollover	M-1336-2
(As illustrated, page 54)	
Plastic Shields (Complete Set)	M-1330-32
Playfield Panel Latch-Rail	
LEFT	P-6360-13
RIGHT	A-2900-9
Relays, Interlock	
See Relays, "KK" Type	
5 Bank	
GAME OVER	
START	
Relays, "KK" Type	
Single Relays	
BONUS BUMPER GUARD-GATE	
Coil	C-7800-332-0
Frame	A-604-5
Screw, Switch	3-48 x 1/2 in.
Switch (Z-1150-21 series)	AA-24H4
LEFT, CENTER, RIGHT THUMPER BUMPER	
Same as HOOTENANNY THUMPER BUMPER Relay	
TOP THUMPER BUMPER	
Coil	C-7800-334-0
Frame	A-604A-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-39J
4 Bank	
1 POINT	
Coil	C-7800-333
Frame	Z-1161-1
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/16 in.
Switch (Z-1170-21 series)	
LEFT	A-3K4
RIGHT	AAA-3K-9A
10 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1170-21 series)	
LEFT	AAA-5K4
RIGHT	AAAA-1-K
100 POINT	
Coil, Frame same as 1 POINT Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/16 in.
RIGHT SWITCH	3-48 x 1-1/16 in.
Switch (Z-1170-21 series)	
LEFT	AAA-5K4
RIGHT	AAA-2K
RESET	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/2 in.
RIGHT SWITCH	3-48 x 1-7/16 in.
Switch (Z-1150-21 series)	
LEFT	AAAB-20H
RIGHT	AAAA-45H4
5 Bank	
LEFT SIDE ROLLOVER	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/8 in.
Switch (Z-1150-21 series)	AAC-22H4
RIGHT SIDE ROLLOVER	
Same as LEFT SIDE ROLLOVER Relay	
11 SCORE MOTOR	
Coil, Frame same as LEFT SIDE ROLLOVER Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	CCC-12H4
RIGHT	CCCC-4H4
GAME OVER (Interlock Relay)	
Coil	
LATCH COIL	C-7800-332
RELAY COIL	C-7800-332
Frame	Z-1154-2
Screw, Switch	3-48 x 7/8 in.
Switch (Z-1150-21 series)	CB-9H4
START (Interlock Relay)	
Coil	
LATCH COIL	C-7800-384
RELAY COIL	C-7800-384
Frame	Z-1154-2
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	AAC-22H4
RIGHT	AAAC-24H4
10 Bank	
2ND COIN CHUTE	
Coil	C-7800-384
Frame	A-604C-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AACB-24H
3RD COIN CHUTE	
Coil, Frame same as 2ND COIN CHUTE Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H-4
RIGHT	AAAB-31H
HOLD	
Coil	C-7800-3312
Frame	A-604-5
Switch, Screw	3-48 x 13/16 in.
Switch (Z-1150-21 series)	AB-17H4
TILT	
Coil	C-7800-332
Frame	A-604-5
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AACB-22H4
BONUS TARGET	
Coil	C-7800-3316
Frame	Z-1161
Screw, Switch	
LEFT SWITCH	3-48 x 1-1/8 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	AAB-3K4
RIGHT	AAAB-2K4
BALL RETURN	
Coil	C-7800-331
Frame	A-604-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-31H
50 POINT	
Coil, Frame same as BONUS TARGET Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 13/16 in.
RIGHT SWITCH	3-48 x 1-1/2 in.
Switch (Z-1170-21 series)	
LEFT	AB-2K4
RIGHT	AABB-1K
BONUS KICKER	
Coil, Frame same as BALL RETURN Relay	
Screw, Switch	
LEFT SWITCH	3-48 x 1/2 in.
RIGHT SWITCH	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	
LEFT	A-15H4
RIGHT	AAA-23H
200 POINT	
Coil	C-7800-3316
Frame	A-605-5
Screw, Switch	3-48 x 1-1/2 in.
Switch (Z-1150-21 series)	AAAB-28H4
MATCH	
Coil	C-7800-334
Frame	A-604-5
Screw, Switch	3-48 x 1-1/16 in.
Switch (Z-1150-21 series)	AAA-27H4
Score Motor Assy.	AS-2380-6
As illustrated, pages 31A, 31B, with	
Cam Assy.	AS-975-122
Cams numbered from Motor end	
Cam 1	P-1365-537
Cam 2	P-1365-538
Cam 3	P-1365-564
Cam 4	P-1365-565
Cam 5	P-1365-566
Cam 6	P-1365-567
Cam 7	P-1365-568
Cam 8	P-1365-569
Cam 9	P-1365-570
Cam 10	P-1365-546
Cam 11	P-1365-547
Hexagon Shaft	S-1947
Retaining Ring (2)	P-2891-8
Spacer (10)	S-1949
Spring Compression	SP-200-31
Washer (3)	P-801-102
Switch & Bracket Assy.	AS-982-559
Bracket, Switch	P-126-537
WITH CAM 1	
Screw, Switch	MS-540-34-110
Switch	SW-240-5
WITH CAM 2	
Screw, Switch	MS-540-8-110
Switch	SW-100-459
WITH CAM 3	
Screw, Switch	MS-540-18-110
Switch	SW-300-62

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SPECIFIC PARTS DATA Listed chronologically by games

GOLD RUSH

DESCRIPTION	PART NO.
WITH CAM 4	
Screw, Switch	MS-540-32-110
Switch	SW-500-8
WITH CAM 5, CAM 6	
Same as WITH CAM 3	
WITH CAM 7	
Same as WITH CAM 2	
WITH CAM 8	
Screw, Switch	MS-540-14-110
Switch	SW-200-135
WITH CAM 9	
Screw, Switch	MS-540-24-110
Switch	SW-400-23
WITH CAM 10	
Screw, Switch	MS-540-16-110
Switch	SW-020-53
WITH CAM 11	
Screw, Switch	MS-540-24-110
Switch	SW-102-13
Switch-Plate(Spring)(11)	P-137-5

DESCRIPTION	PART NO.
Stepping Unit, Continuous	
Match (0-9) Unit	
Same as in SIX STICKS, excepting	
Bracket, Mounting	P-5052
Contact-Plate (Wired)	W-1034-5
Stepping Units, Full Reset	
Ball Count Unit	
Same as in SIX STICKS, excepting	
Contact-Plate (Wired)	W-1043
Ratchet & Shaft	C-1050-5
Step-Up Arm Assy.	A-1765-4
Screw, Switch	MS-540-26-110
Switch	
Close at Zero	SW-200-45
End of Stroke	SW-001-47
Make at 2nd Step	SW-100-440
Wiper Assy.	AS-1046-433

DESCRIPTION	PART NO.
Target Kicker Unit	
Same as Ball Count Unit, excepting	
Contact-Plate (Wired)	W-1077
Ratchet & Shaft	C-1050-5-36
Ratchet-Pin	M-740
Screw, Switch	MS-540-10-110
Switch	SW-100-463
Wiper Assy.I	AS-1046-482

GOLD RUSH (Add-A-Ball)

Same as GOLD RUSH, excepting

Backglass G-332-45

See Relays, "KK" Type

10 Bank: NOT USED

7 Bank

HOLD

Same as in GOLD RUSH, 10 Bank

TILT

Coil C-7800-332

Frame A-604-5

Screw, Switch

LEFT . . . . . 3-48 x 1/2 in.

RIGHT . . . . . 3-48 x 1-1/2 in.

Switch (Z-1150-21 series)

LEFT AB-17H4

RIGHT AACC-10H4

BONUS TARGET

Same as in GOLD RUSH, 10 Bank

BALL RETURN

Same as in GOLD RUSH, 10 Bank

50 POINT

Same as in GOLD RUSH, 10 Bank

BONUS KICKER

Same as in GOLD RUSH, 10 Bank

200 POINT

Same as in GOLD RUSH, 10 Bank

Score Counter Assys.

Same as in GOLD RUSH, EXCEPTING

(0-9) Counter Unit AS-1900-86

instead of AS-1900-87

Score Motor Assy. AS-2380-7

Same as in GOLD RUSH, excepting

Switch & Bracket Assy. . . . AS-982-575

Same as in GOLD RUSH, excepting

WITH CAM 2

Screw, Switch MS-540-14-110

Switch SW-200-135

WITH CAM 3

Same as WITH CAM 2

Stepping Units, Continuous

Match (0-9) Unit: NOT USED

Scramble Unit

Same as Match Unit, GOLD RUSH, EXCEPTING

Contact-Plate (Wired) . . W-1034-6

Wiper Assy. AS-1046-395

Stepping Unit, Full Reset

Ball Count Unit

Same as Ball Count Unit, GOLD RUSH, EXCEPTING

Contact-Plate (Wired) . . W-1043-2

Ratchet & Shaft C-1050-7

SW-100-440: NOT USED

Wiper Assy. AS-1046-480

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

GENERAL PARTS CATALOG

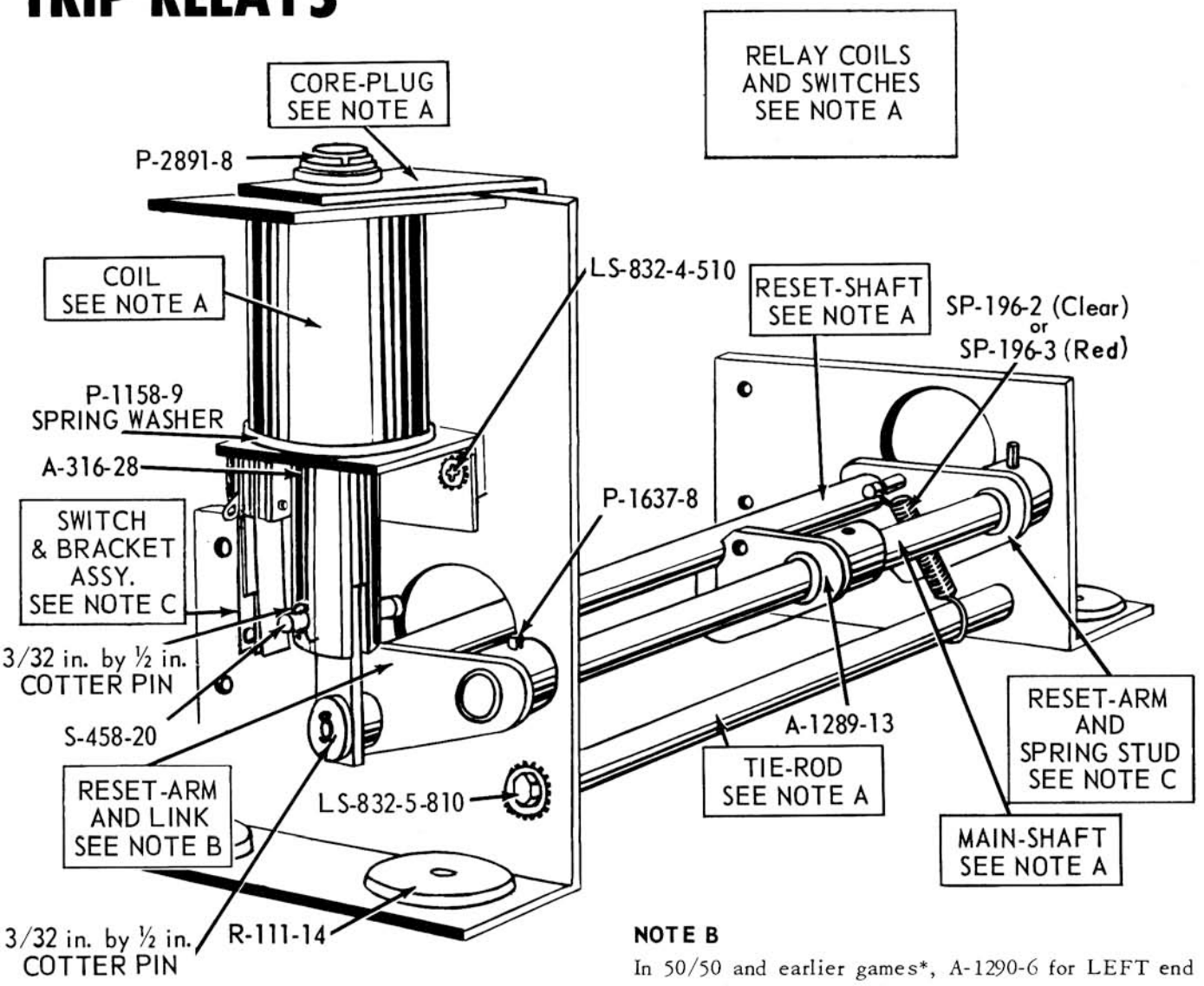
Parts listed and illustrated in the following pages are used generally in all Bally flipper type games or in several series of games, as indicated by notes.

IMPORTANT NOTICE

Before ordering a part, check the SPECIFIC PARTS DATA for the specific game in the preceding pages for possible game-to-game variations from the generalized illustrations. Such double-check is particularly useful in the case of parts associated with Advance Units, Score Counters, Score Motors, Stepping Units and Relay Banks in which improvements in design result in periodic changes in parts.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

TRIP RELAYS



NOTE A

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of game, number of relays in bank, name of Relay. (When ordering Switch for Relay with 2 Switches, be sure to specify LEFT OR RIGHT to indicate relative position of Switch, looked at from lug side of Switches.)

NOTE B

In 50/50 and earlier games*, A-1290-6 for LEFT end of bank, looked at from lug side of Switches; A-1290-7 for RIGHT END.

In ACES HIGH and later games*

Reset Arm & Link Assy.

LEFT END AS-2373

Arm Assy., Reset A-1289-15

Cotter Pin . . . . . 3/32 in. by 1/2 in.

Link P-2239

Washer P-801-145

RIGHT END AS-2373-1

Same as AS-2373, EXCEPTING

Arm Assy., Reset A-1289-16

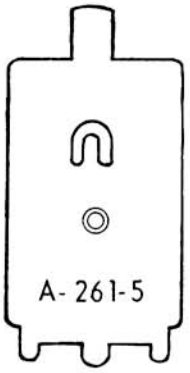
NOTE C

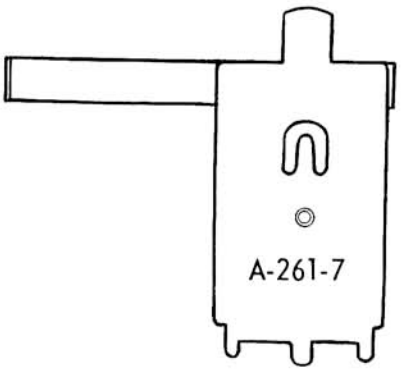
If part number not listed in SPECIFIC PARTS DATA, commencing on page 28, order part by name, specifying name of game, number of relays in bank.

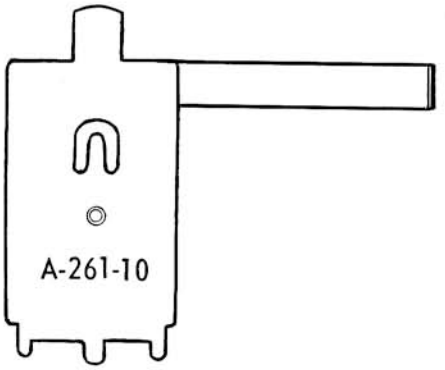
* See chronological list of games, page 7.

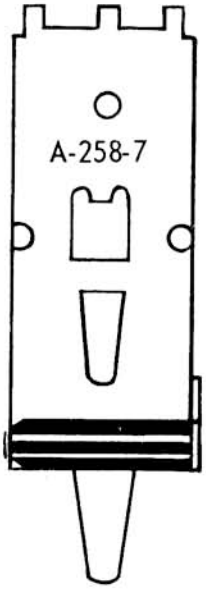
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

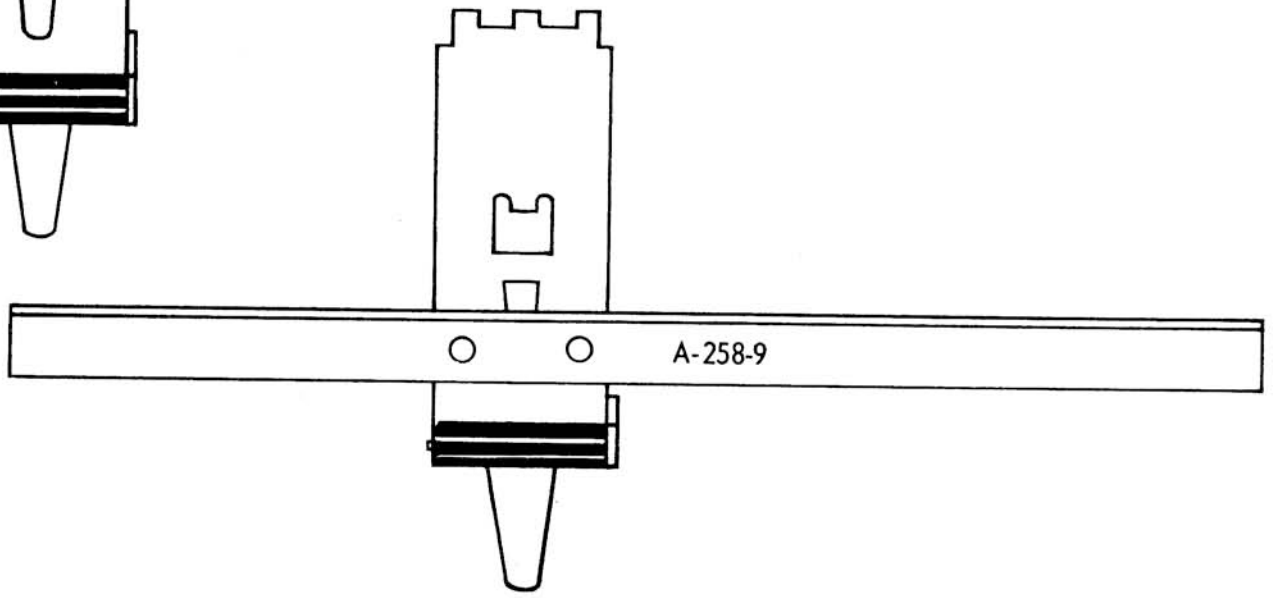
TRIP RELAYS


A-261-5


A-261-7


A-261-10


A-258-7

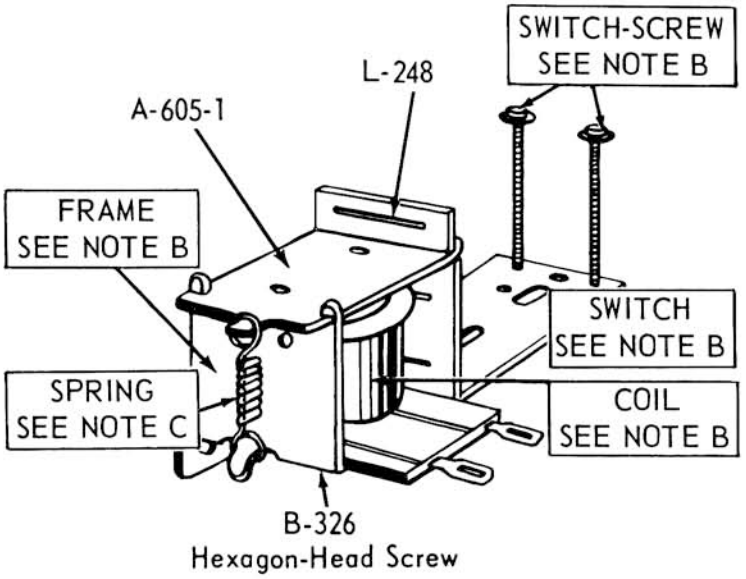

A-258-9


SP-100-164

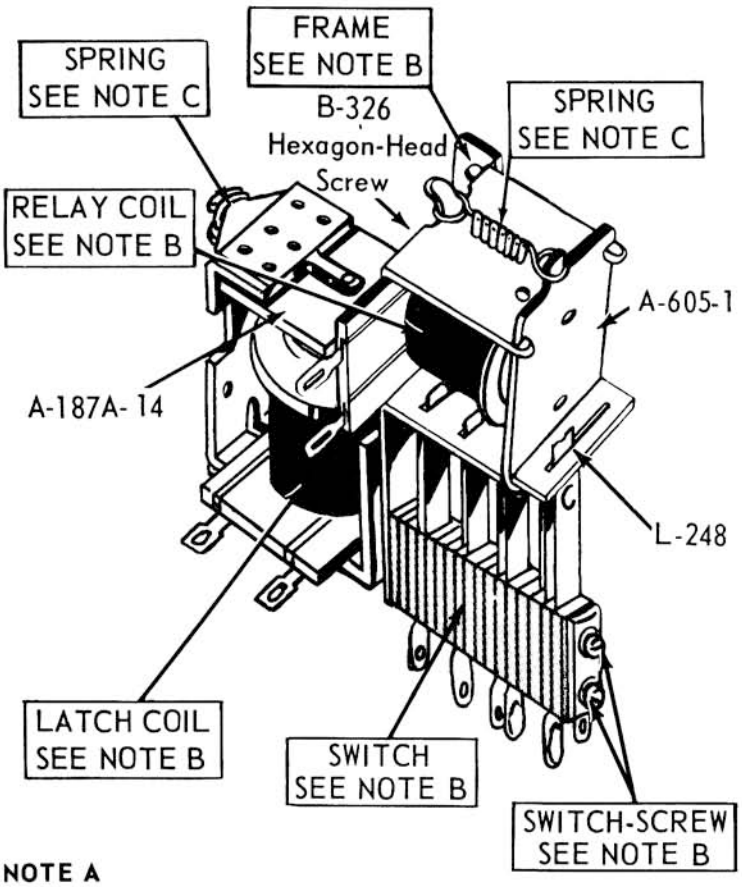

SP-115 Natural (Not Dyed)
SP-192 Red

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

"KK" TYPE RELAYS SEE NOTE A

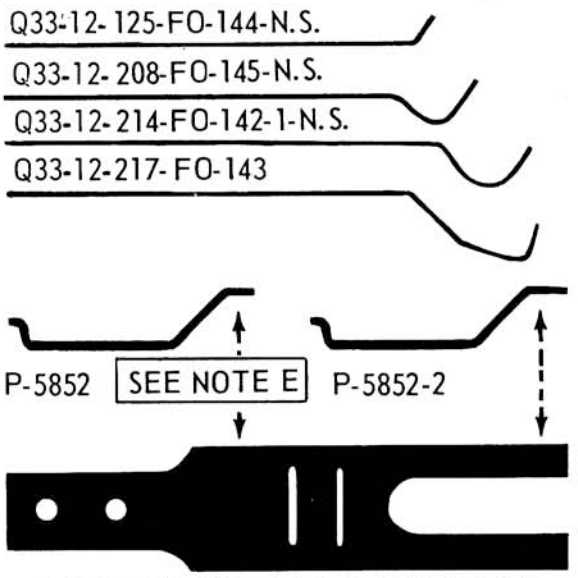


INTERLOCK RELAYS SEE NOTE A



NOTE A
Illustration slightly less than actual size.

SCORE MOTOR SEE NOTE D SWITCH-ACTUATORS (Actual Size in Profile)



SWITCH-ACTUATOR HOLDER P-5851
(Shown flat, actual size)

NOTE B
If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of relay, name of game. (When ordering Switch or Switch-Screw for relay with 2 Switches, be sure to specify LEFT or RIGHT to indicate relative positions of Switches, looked at from lug side of Switches).

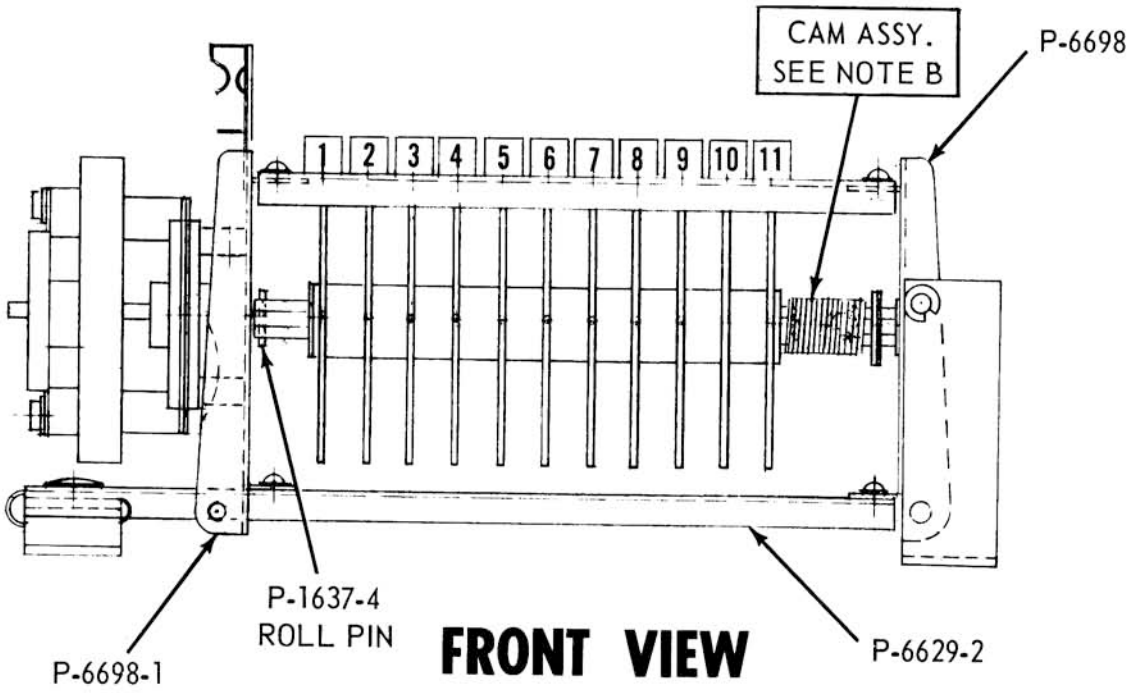
NOTE C: SPRING TABLE
SP-199-13 – Natural (not dyed)
SP-199-14 – Blue
SP-199-15 – Yellow
SP-199-16 – Red
SP-199-17 – Green

NOTE D
Used only in Score Motor Assys. on page 32.

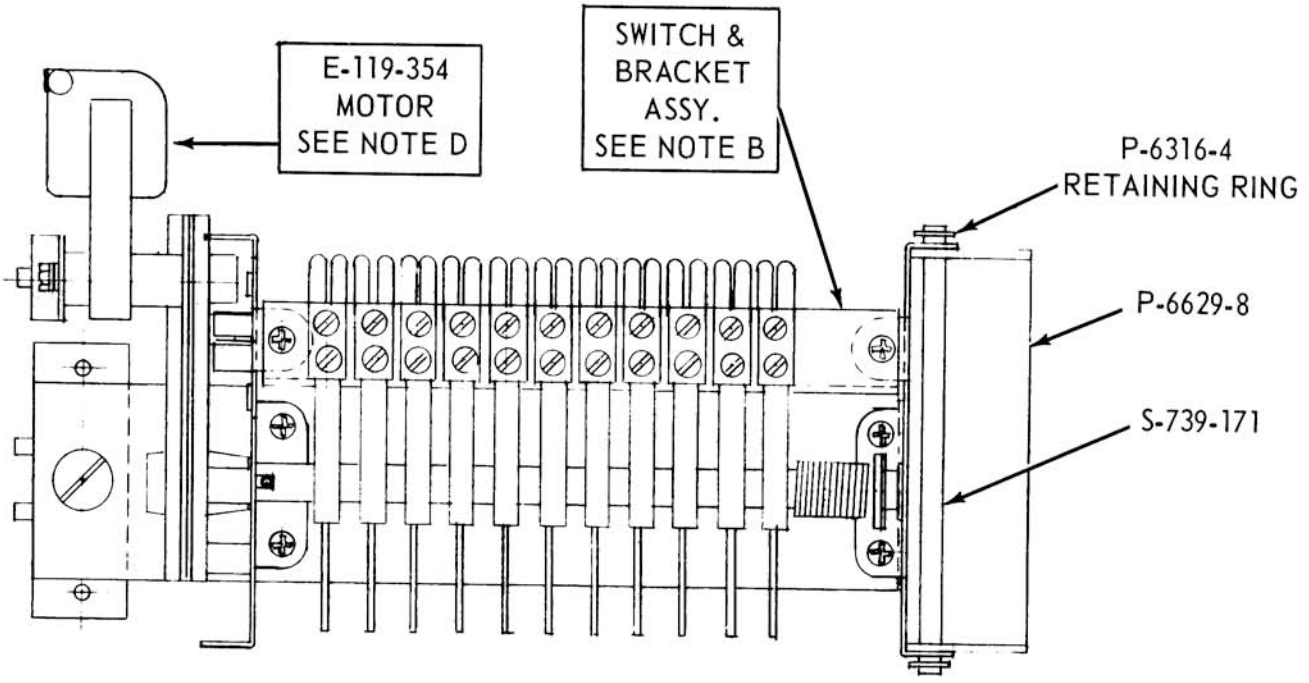
NOTE E
P-5852-2, which is 1/16 in. longer than P-5852 and copper plated for easy identification, is recommende replacement for P-5852 ONLY IN 1C CAM POSITION P-5852 should be used in other cam positions.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SCORE MOTOR ASSYS. SEE NOTE A SEE NOTE B



FRONT VIEW



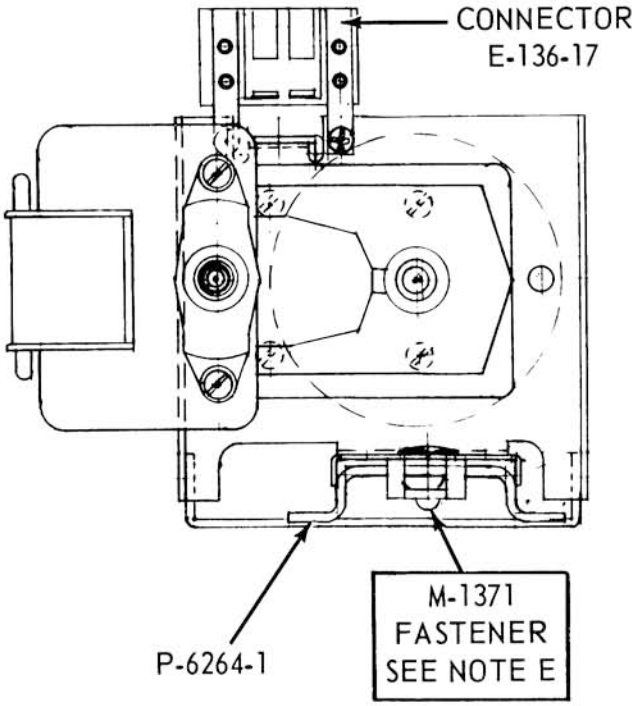
TOP VIEW

ALSO SEE END VIEW ON PAGE 31B

NOTES APPEAR ON PAGE 31B

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SCORE MOTOR ASSYS. SEE NOTE A



END VIEW

ALSO SEE FRONT AND TOP VIEWS ON PAGE 31A

FASTENERS

Connector
LS-632-4-511 (2)
Motor Mounting
LS-832-6-511 (4)
Side Plates
LS-832-4-511 (6)

NOTE A
Used in BLUE RIBBON and later games*. Score Motor Assys. used in earlier games* appears on page 32.

NOTE B
If part number is not listed in SPECIFIC PARTS DATA, commencing on page 29B, order by name, specifying name of part, unit and game.

NOTE C (VOID)

NOTE D
Operative with 50 or 60 cycles current. Motor parts are listed at right.

NOTE E
Turn 1/4 turn counter-clockwise to release, 1/4 turn clockwise to secure.

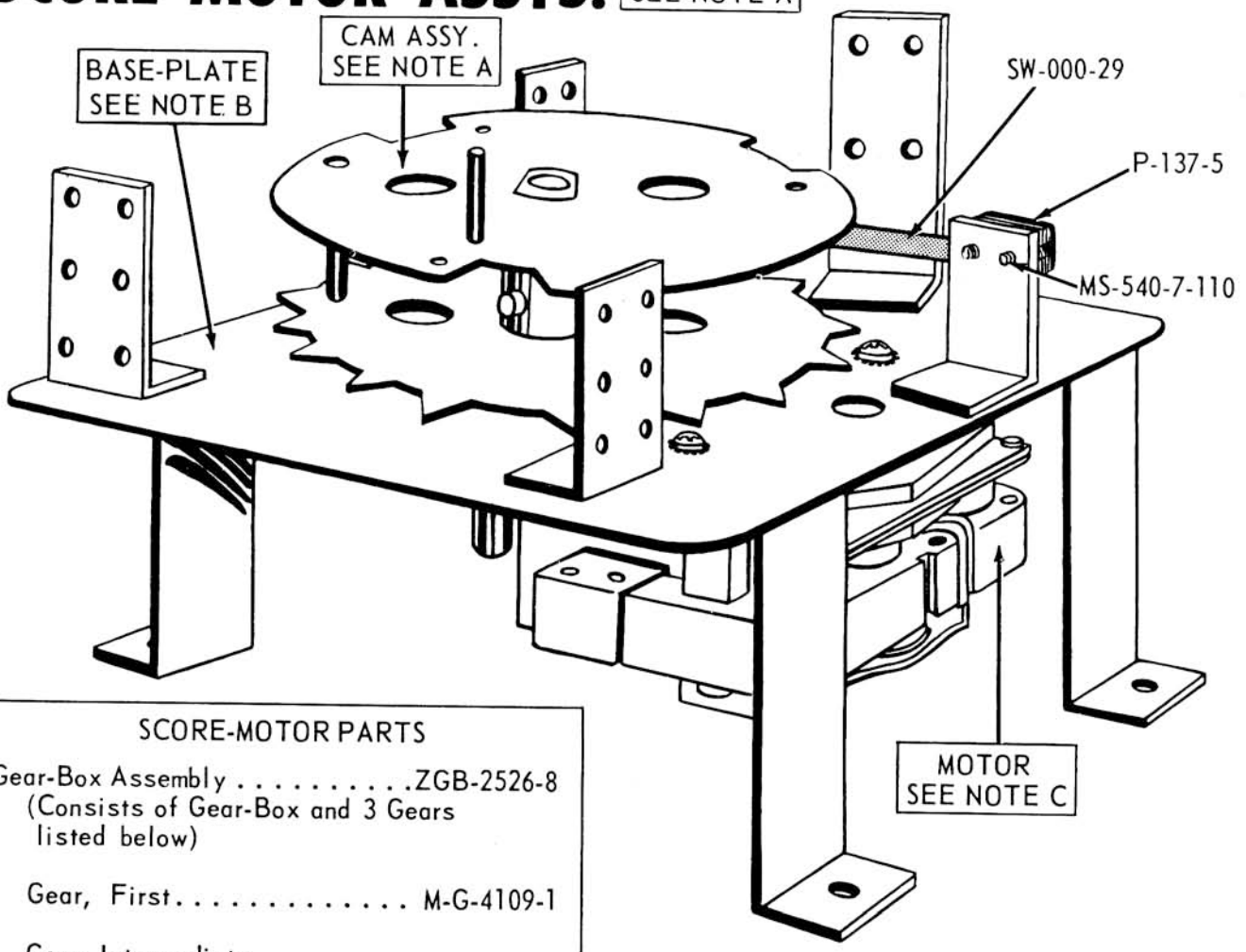
E-119-354 MOTOR PARTS

Gear, First G-4111-1
Gear, Intermediate
(Double Gears) G-5818-1
Gear & Shaft . . . . . .G-7300-1 X 1/4
Rotor & Shaft ZRST-1415-31-9
Stator ZS-1707-2531

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SCORE MOTOR ASSYS. SEE NOTE A



SCORE-MOTOR PARTS	
Gear-Box Assembly (Consists of Gear-Box and 3 Gears listed below)	ZGB-2526-8
Gear, First	M-G-4109-1
Gear, Intermediate (Double Gears)	M-G-5818-1
Gear & Shaft	ZGS-2526-8
Rotor & Shaft	ZRST-1715-33-1
Stator (Motor E-119-315)	ZS-2503-256
Stator (Motor E-119-332)	ZS-2503-261
Stator (Motor E-119-336)	ZS-2503-258

PARTS FOR MOTOR E-119-345 ARE NOT SOLD SEPARATELY

NOTE A

If part number is not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of game.

Score Motor Assy. illustrated was used with modifications noted below in Bally flipper-type games through TRIO (Add-A-Ball Model)*. New Score Motor Assy. appears on page 31A.

NOTE B

Base-Plate A-2722 and Base-Plate A-2722-1 may be used interchangeably in any Bally flipper-type game through TRIO (Add-A-Ball) model.

NOTE C

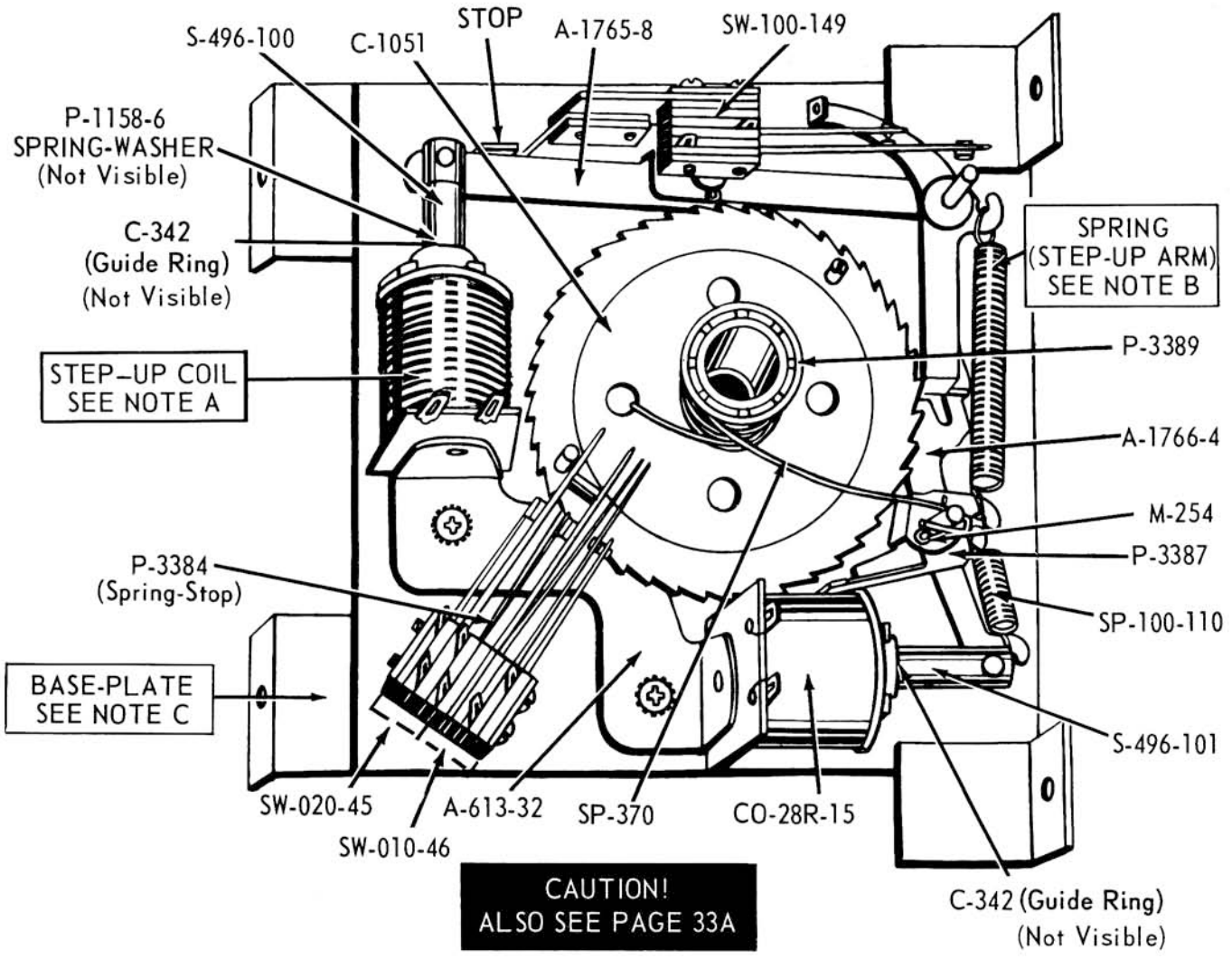
E-119-315 (60 cycles) and E-119-332 (50 cycles) in 3-IN-LINE and earlier games*.

E-119-336 and E-119-345, both of which may be operated with either 50 or 60 cycles current supply, were used interchangeably in HOOTENANNY and later games through TRIO (Add-A-Ball Model)* and either Motor is recommended replacement for E-119-315, E-119-332. (Motor number is marked on Motor.)

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

REPLAY COUNTER



Operate Reset Plunger by hand until Ratchet resets to zero position, i.e., until resetting movement stops. Then operate Step-up Plunger and, while holding Step-up Plunger in, check to see that Reset Pawl rests at base of ratchet-tooth (point at which straight and angular edges of tooth meet). If Reset Pawl is not at base of tooth, adjust Spring-Stop (P-3384) until Ratchet moves into position to permit Pawl properly to engage tooth, as described. Then check unit manually by operating Step-Up Plunger. After Reset Pawl drops into position described above, Step-Up Arm should override approximately 1/64 in. before being stopped by Step-up Arm Stop ("ear" formed in Base Plate). Bend Stop one way or another to reduce or increase override to approximately 1/64 in. Reset Pawl should then properly drop into base of tooth, without binding, when Reset Plunger is lightly operated (without pushing Plunger all the way in).

NOTE A

CO-25GG-7 in 3-IN-LINE and earlier games*
E-184-205 in HOOTENANNY and later games*

NOTE B

SP-100-119 in 3-IN-LINE and earlier games*
SP-100-125 in HOOTENANNY and later games*

NOTE C

A-1768-19 in CUE-TEASE and earlier games*
A-1768-24 in 3-IN-LINE and later games*

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

REPLAY COUNTER ASSY. AS-797-79 SEE NOTE A

As illustrated on page 33
with following changes and additions

Bracket, Number-Wheel P-1417-1
Core-Plug & Bracket Assy. A-613-33
Number-Wheel & Hub Assy. (See NOTE B)
Pin (Ratchet) S-463-37
Pivot Pin (See NOTE C) S-737-48
Plate, Switch, Flat (See NOTE D) . . P-126-154
Plate, Switch, Spring (See NOTE E) . P-137-5
Plate, Switch Mounting P-126-247

FASTENERS

- Core-Plug Assy.
  - LS-832-4-510(2)
- Number-Wheel Bracket
  - MS-832-4-810(2)
- Pivot Pin
  - Stop-Nut, Elastic M-319-3
- Ratchet
  - No. 8 X 5/8 in. Type Z Sheet Metal Screw
  - P-801-107 Washer
- Spring-Stop
  - LS-540-4-510(2)
- Switch
  - SW-010-46
  - SW-020-45
    - MS-540-16-110(2)
  - SW-100-149
    - MS-540-10-110(2)
- Switch Mounting Plate
  - LS-540-5-510(2)

NOTE A
Effective in ACES HIGH and later games*.

NOTE B
As illustrated on page 34, Assy. AS-1565 is included in AS-797-79.

NOTE C
Improved pivot-mounting for Step-Up Arm Assy.

NOTE D
One used with Spring-Stop and with each switch.

NOTE E
One used with each switch.

* See chronological list of games, page 7.

ADDED BALLS COUNTERS SEE PAGE 33B, 34

NUMBER-WHEEL & HUB ASSYS. SEE PAGE 34

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

ADDED BALLS COUNTER ASSYS.

SEE NOTE A

Same as Replay Counter, page 33, excepting
Base-Plate Assy. A-1768-32
Clip C-271-3
Contact-Plate (Wired). W-1075
Core-Plug & Bracket Assy. A-613-33
Number-Wheel Assy A-2939
Pin (Ratchet) S-463-37
Pivot Pin (See NOTE B). S-737-48
Plate, Switch, Flat (See NOTE C) . .P-126-154
Plate, Switch, Spring. P-137-5
Plate, Switch Mounting. P-126-247
Wiper Assy. (See NOTE D) AS-1046-462

FASTENERS
- Clip
  - N-832-1110 Nut
  - MS-832-6-510 Screw
  - PW-8-10 Washer
- Contact-Plate
  - MS-832-4-810 Screw (2)
- Core-Plug Assy.
  - LS-632-4-510 Lockscrew (4)
- Number-Wheel Assy.
  - LS-832-3-510 Lockscrew (3)
- Ratchet
  - No. 8 X 5/8 in. Type A Sheet Metal Screw
  - P-801-107 Washer
- Pivot Pin
  - M-319-3 Stop-Nut, Elastic
- Spring-Stop P-3484
  - LS-540-4-510 Lockscrew (2)
  - PW-8-10 Washer (2)
- Switch
  - SW-010-46, SW-020-45
    - MS-540-16-110 Screw (2)
  - SW-100-149
    - MS-540-10-110 Screw (2)
- Switch Mounting Plate
  - LS-540-5-510 Lockscrew (2)
- Wiper Assy.
  - Secured by Ratchet fasteners

NOTE A

In TRIO (Add-A-Ball Model):

AS-797-102, as detailed at left

In GOLD RUSH (Add-A-Ball Model)

AS-797-112

Same as AS-797-102, EXCEPTING

Base-Plate Assy. A-1768

Contact-Plate (Wired). W-1075-2

Switch

Closed at zero SW-200-45

Limit SW-010-46

Step-Up Arm. SW-100-467

Wiper Assy. AS-1046-481

NOTE B

Improved pivot-mounting for Step-Up Arm Assy.

NOTE C

One used with Spring-Stop P-3484 and with each switch.

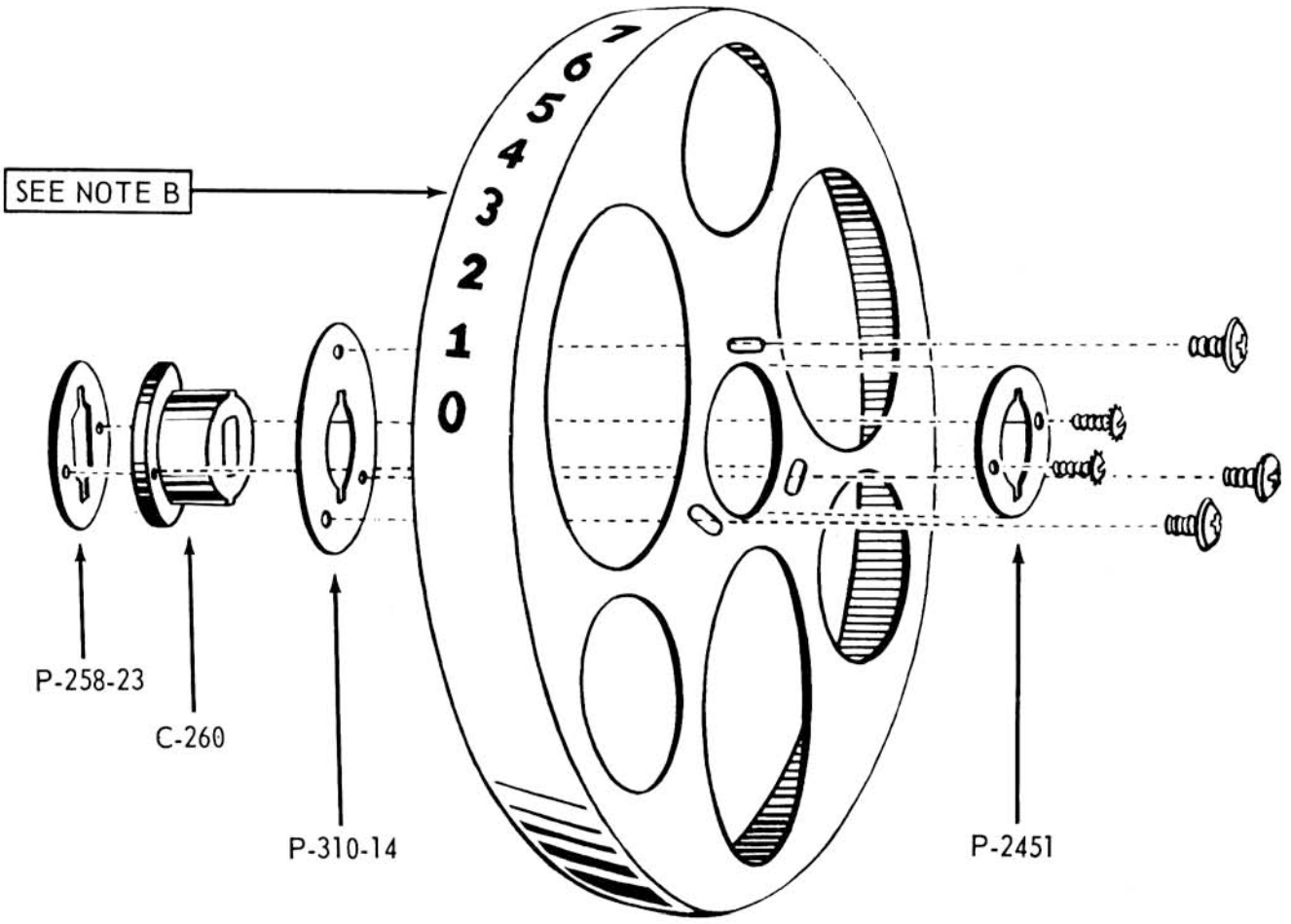
NOTE D

Because of importance of factory adjusted wiper tension, purchase of Wiper Assy. components is not recommended.

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMBER-WHEEL & HUB ASSYS. SEE NOTE A



NOTE A

SEE NOTE AA

Added Balls AS-1565-2
Replays AS-1565

NOTE AA

Used only in HAPPY TOUR, HAY-RIDE.

NOTE B

SEE NOTE C

A-2939 in AS-1565-2 ; AS-797-102
P-1376-1 in AS-1565

NOTE C

See page 33B.

NOTE D

Used only in HAPPY TOUR, HAY-RIDE. See page 33B for Added Balls Counter in later games*.

ADJUSTMENT NOTES

With Counter Unit in zero position (see instructions on page 33), install Number-Wheel and Hub Assembly so that zero (0) is centered in "window" in Backglass. Fasten Assembly with proper screws.

* See chronological list of games, page 7

ADDED BALLS COUNTER

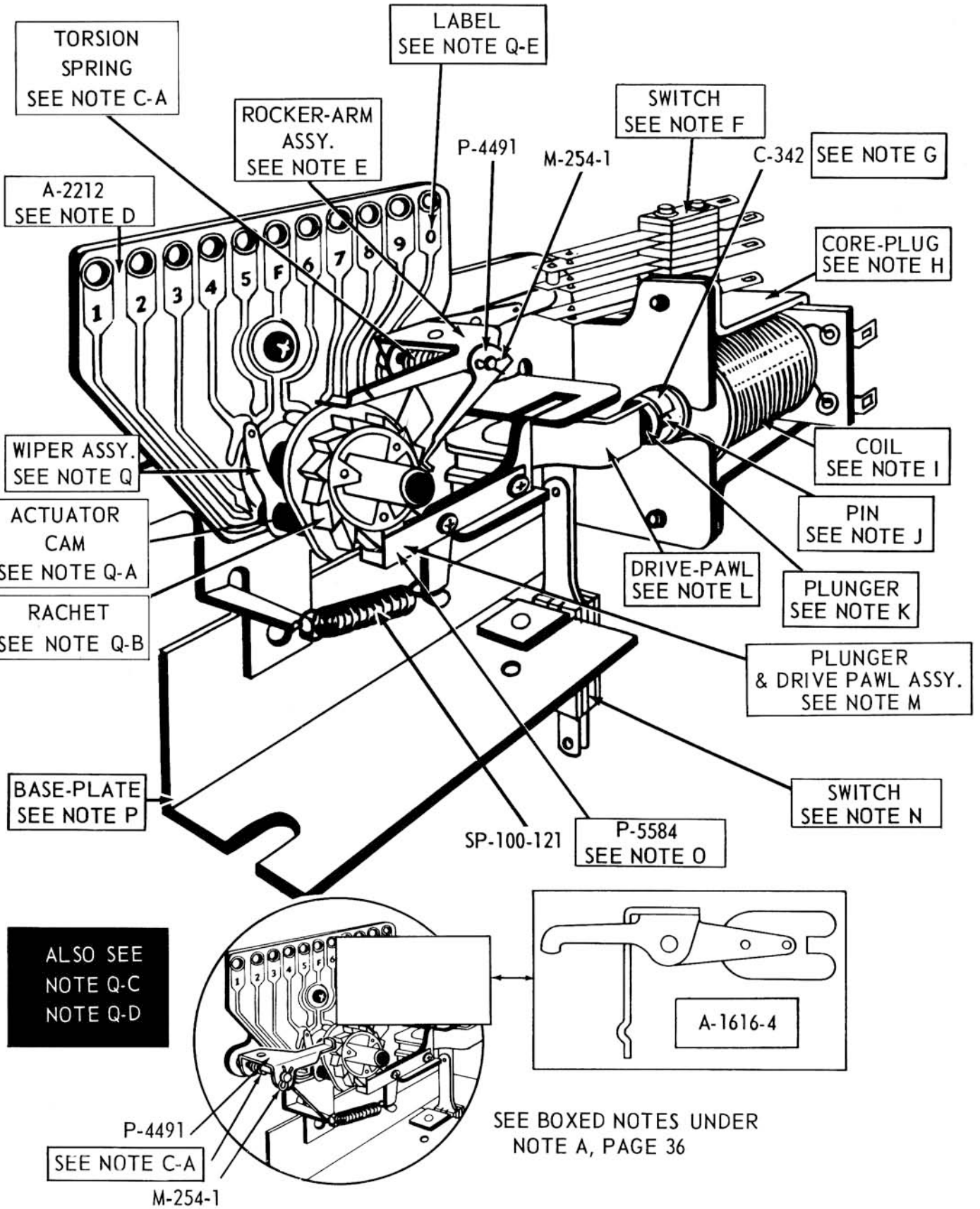
SEE NOTE D

Same as Replay Counter Unit, excepting
Base-Plate A-1768-27
Step-up Arm Assy A-1765-5
Switch (Step-up Arm) SW-100-421
Switch (Step-up Arm) SW-100-422

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SCORE COUNTER UNITS

SEE NOTE A | SEE NOTE B | SEE NOTE C



SEE BOXED NOTES UNDER NOTE A, PAGE 36

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SCORE COUNTER UNITS NOTES

NOTE A

2-Digits Counter Units

In 2 IN 1
- AS-1900-52 (10-90)
- AS-1900-53 (0-9)

3-Digits Counter Units

In 3-IN-LINE and earlier games*
- AS-1900-27 (0-9) (100-900)
- AS-1900-28 (10-90)

In HOOTENANNY through HARVEST*
- AS-1900-46 (0-9) (100-900)
- AS-1900-47 (10-90)

4-Digits Counter Units

In HAY-RIDE through ACES HIGH*
- AS-1900-54 (0-9) (100-900)
- AS-1900-55 (10-90)
- AS-1900-56 (1000-9000)

In DISCOTEK and TRIO

NOTE change in position of Hold Pawl P-4491 and associated Spring SP-385-5, as shown in circled view; and change in design of Rocker Arm A-1616-4 (shown in boxed view), as compared to Rocker Arm A-1616-2 shown in generalized view of Score Counter Unit.

- AS-1900-68 (0-9) (100-900)
- AS-1900-69 (10-90)
- AS-1900-56 (1000-9000)

In BLUE RIBBON
- AS-1900-73 (10-90)
- AS-1900-74 (0-9) (100-900)
- AS-1900-75 (1000-9000)

In SIX STICKS and later games*
- AS-1900-86 (10-90)
- AS-1900-87 (0-9) (100-900)
- AS-1900-88 (1000-9000)

In SIX STICKS and later games* Rocker Arm Assy. A-1616-4 is replaced by RED NYLON Rocker Arm C-703.

NOTE B

Counter Unit is illustrated with Number-Wheel removed, but Number-Wheel is included in each Unit listed in NOTE A, as itemized below:

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
- C-568-3-8, 4 in. diameter, black numerals on yellow

In AS-1900-52, AS-1900-53
- C-568-3-1, 4 in. diameter, red numerals on yellow

In AS-1900-54 through AS-1900-56
In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
In AS-1900-86 through AS-1900-88
- C-436-3-8, 3 in. diameter, black numerals on yellow

* See chronological list of games, page 7

NOTE C

Number-Wheel Fasteners listed in NOTE Q-C

NOTE C-A

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
- SP-385

In AS-1900-54 through AS-1900-56
- SP-385-3

In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
- SP-385-5

In AS-1900-86 through 1900-88
- SP-385-4

NOTE D

Contact Plate not used in
- AS-1900-28
- AS-1900-47
- AS-1900-55
- AS-1900-69
- AS-1900-73
- AS-1900-86

NOTE E

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
In AS-1900-54 through AS-1900-56
- A-1616-2

In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
- A-1616-4

In AS-1900-86 through 1900-88
- Rocker Arm (RED NYLON) C-703

NOTE F

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
In AS-1900-53
- SW-210-48

In AS-1900-52
- SW-110-122

In AS-1900-54, AS-1900-55
- SW-210-62

In AS-1900-56
- SW-110-137

In AS-1900-68, AS-1900-69
- SW-210-64

In AS-1900-70
- SW-110-139

In AS-1900-73, AS-1900-74
- SW-300-64

In AS-1900-75
- SW-200-138

CONTINUED ON NEXT PAGE

SCORE COUNTER UNITS NOTES

NOTE F

In AS-1900-86, AS-1900-87
SW-300-68
In AS-1900-88
SW-200-144

NOTE G

Guide-Ring used only with Plunger S-496-150

NOTE H

In AS-1900-27, AS-1900-28
A-613-52
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
A-613-58
In AS-1900-54 through AS-1900-56
In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
A-613-68
In AS-1900-86 through AS-1900-88
A-613-77

NOTE I

In AS-1900-27, AS-1900-28
CO-28ZZ-15
In all other Units listed in NOTE A
E-184-206

NOTE J

P-1637-43 (**) (***) (****) with Plunger S-496-160
S-1071-130 with Plunger S-496-150

NOTE K

In AS-1900-27, AS-1900-28
S-496-150
In all other Units listed in NOTE A
S-496-160 (**) (***) (****)

NOTE L

In AS-1900-27, AS-1900-28
C-435-2
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
C-435-5**
In AS-1900-54 through AS-1900-56
In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
C-435-1 (***)
In AS-1900-86 through AS-1900-88
C-435-6(****)

NOTE M

In AS-1900-27, AS-1900-28: NOT USED
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
AS-2293
In AS-1900-86 through AS-1900-88
AS-2293-5
In all other Units listed in NOTE A
AS-2293-2

NOTE N

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
SW-010-138
In AS-1900-52: NOT USED
In AS-1900-53 through AS-1900-55
SW-010-138
In AS-1900-56: NOT USED
In AS-1900-68, AS-1900-69
SW-010-138
In AS-1900-70: NOT USED
In AS-1900-73, AS-1900-74
SW-010-138
In AS-1900-75: NOT USED
In AS-1900-86, AS-1900-87
SW-010-190
In AS-1900-88: NOT USED

NOTE O

Pawl Extension** used only in
AS-1900-46, AS-1900-47

NOTE P

In AS-1900-27, AS-1900-28
In AS-1900-46, AS-1900-47
In AS-1900-52, AS-1900-53
A-2214-8
In AS-1900-54 through AS-1900-56
A-2214-9
In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
A-2214-13
In AS-1900-86 through AS-1900-88
A-2214-18

(**) Double-starred parts may be purchased separately or assembled in Plunger & Drive Pawl Assy. AS-2293.

(***) Triple-starred parts may be purchased separately or assembled in Plunger & Drive Pawl Assy. AS-2293-2.

(****) Four-starred parts may be purchased separately or assembled in Plunger & Drive Pawl Assy. AS-2293-5

CONTINUED ON NEXT PAGE

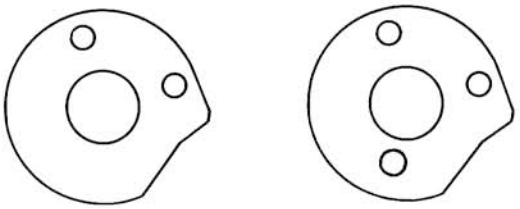
SCORE COUNTER UNITS NOTES

NOTE Q

In AS-1900-27
A-1618
In AS-1900-28: NOT USED
In AS-1900-46
A-1618
In AS-1900-47: NOT USED
In AS-1900-52 through AS-1900-54
A-1618
In AS-1900-55: NOT USED
In AS-1900-56
A-1618
In AS-1900-68
A-1618-2
In AS-1900-69: NOT USED
In AS-1900-70
A-1618-2
In AS-1900-73: NOT USED
In AS-1900-74, AS-1900-75
A-1618-2
In AS-1900-86: NOT USED
In AS-1900-87, AS-1900-88
A-1618-3

NOTE Q-A

Actator Cam P-6716, not visible in illustration on page 35, but illustrated below, is attached to Ratchet C-434-5 (see NOTE Q-B below).



Replacement of 2-holes type is with 3-holes type. If desired, when 3-holes type Cam replaces 2-holes type, Sheet Metal Screw No. 4 X 3/8 in., Type A, should be used in connection with third hole, together with Bushing S-231-699.

NOTE Q-B

In AS-1900-68 through AS-1900-70
In AS-1900-73 through AS-1900-75
C-434-5
In AS-1900-86 through AS-1900-88
C-704 (RED NYLON)
In all other Units listed in NOTE A
C-434

NOTE Q-C
FASTENERS

Coil: (2) LS-632-5-510 (through AS-1900-75)
(2) MS-832-5-612 (AS-1900-86, etc.)
(2) Nut, No. 8-32 x 5/16 in. flat
Contact-Plate
(1) LS-632-5-510 (through AS-1900-75)
(1) LS-540-3-512 (AS-1900-86, etc.)

Hold Pawl
(1) M-254-1 Hairpin Washer
Number-Wheel
(3) No. 4 X 3/8 in. Type A Sheet Metal Screw
(1) M-254 Hairpin Washer
Pawl Extension
(2) No. 4 X 1/4 in. Type A Sheet Metal Screw
Rocker-Arm C-703
M-254-1 Hairpin Washer
Rocker-Arm Assy.
(1) M-254-1 Hairpin Washer
(1) P-801-98 Washer
Switch
SW-010-138: (2) MS-540-6-110
SW-010-190: (2) MS-540-9-112
SW-110-122: (2) LS-348-18-410
SW-110-137: (2) LS-348-14-410
SW-110-139: (2) LS-348-18-410
SW-200-138: (2) LS-348-16-410
SW-200-144: (2) LS-348-16-412
SW-210-48: (2) LS-348-18-410
SW-210-62: (2) LS-348-14-410
SW-210-64: (2) LS-348-18-410
SW-300-64: (2) LS-348-16-410
SW-300-68: (2) LS-348-16-412
Unit: (1) No. 8-32 X 1/4 in. Thumb-Screw
Wiper Assy. (through AS-1900-75)
(3) No. 4 X 3/8 in. Type A Sheet Metal Screw*****
Wiper Assy. (AS-1900-86, etc.)
(2) No. 4 x 1/4 in. Type A Sheet Metal Screw

CONCLUDED ON NEXT PAGE

ADVANCE AND STEPPING UNITS NOTES

When ordering parts for Advance Units, illustrated on page 41, or Stepping Units, illustrated on pages 37, 38, 39, 40, always consult SPECIFIC PARTS DATA for specific games, commencing on page 8 for possible deviations from the generalized illustrations.

Effective in ACES HIGH and later games*, pivot mounting of Step-up Arm Assy. in Stepping Units, illustrated on pages 37, 38, 39, 40, is by improved method of

Pivot Pin S-737-48

which is secured by

Elastic Stop-Nut M-319-3

* See chronological list of games, page 7

***** Also secures Actuator Cam (when used)

SCORE COUNTER UNITS NOTES

NOTE Q-D

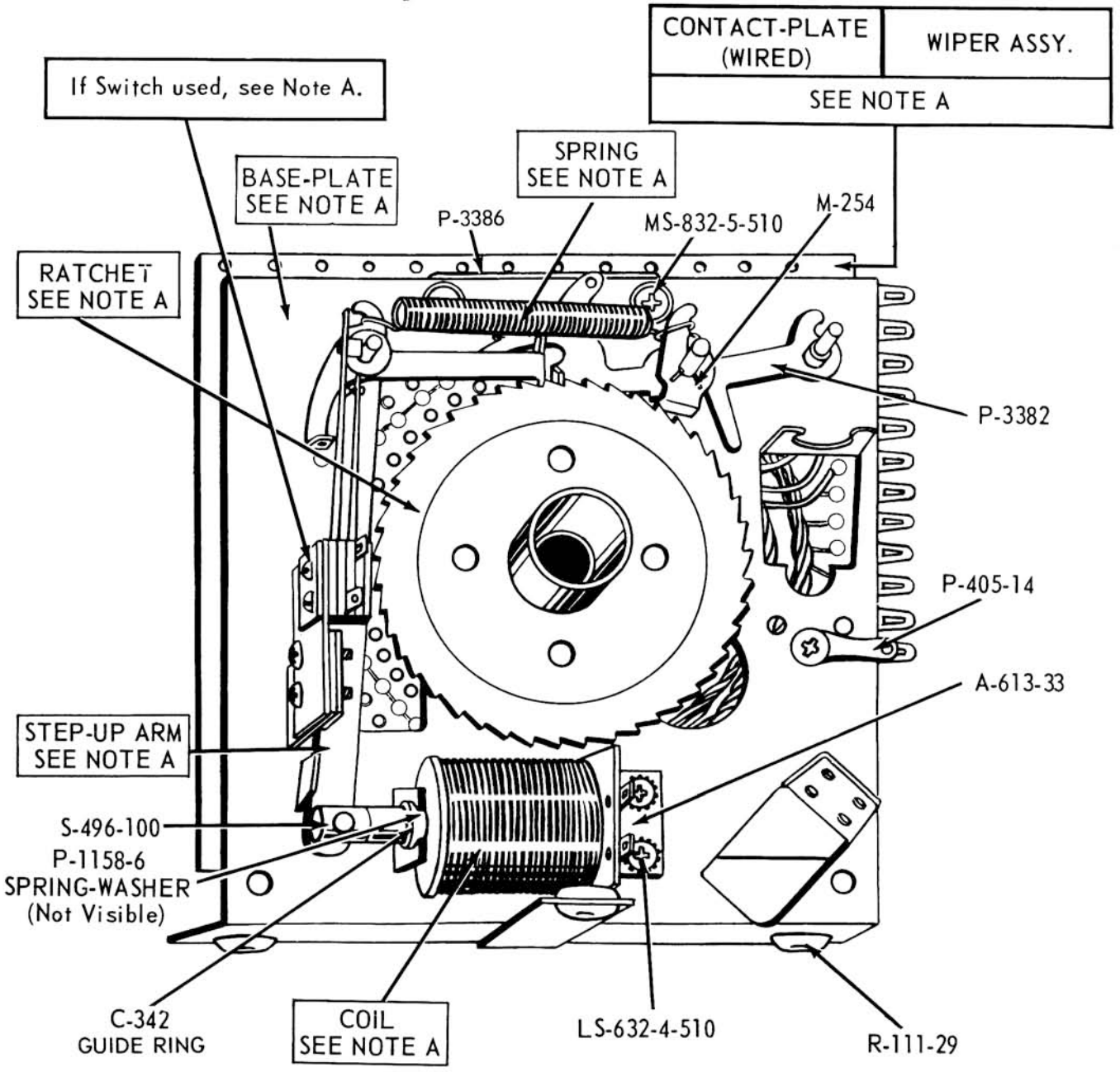
SWITCH-PLATES

P-137-3
1/4 in. by 17/32 in., flat
P-137-5
3/8 in. by 3/4 in., spring formed
P-137-12
1/4 in. by 17/32 in., spring formed

NOTE Q-E

In AS-1900-86 through AS-1900-88
Label M-1368-5
changes rotation of Soldering Terminals
from rotation illustrated, page 35
to:
2-3-4-5-6-F-7-8-0-1

STEPPING UNITS, CONTINUOUS



Check unit manually by operating Plunger. After Index Pawl drops into position at base of ratchet-tooth (point at which straight and angular edges of tooth meet), Step-up Arm should over-ride approximately 1/64 in. before being stopped by Step-up Arm Stop ("ear" formed in Base Plate). Bend Stop one way or another to reduce or increase over-ride to approximately 1/64 in. Index Pawl should then properly drop into base of tooth, without binding, when Plunger is lightly operated (without pushing Plunger all the way in). Adjust Stop-Plate against top of Step-up Arm so that unit will step when Step-up Arm is operated manually.

NOTE A

If Part Number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of game, name of unit.

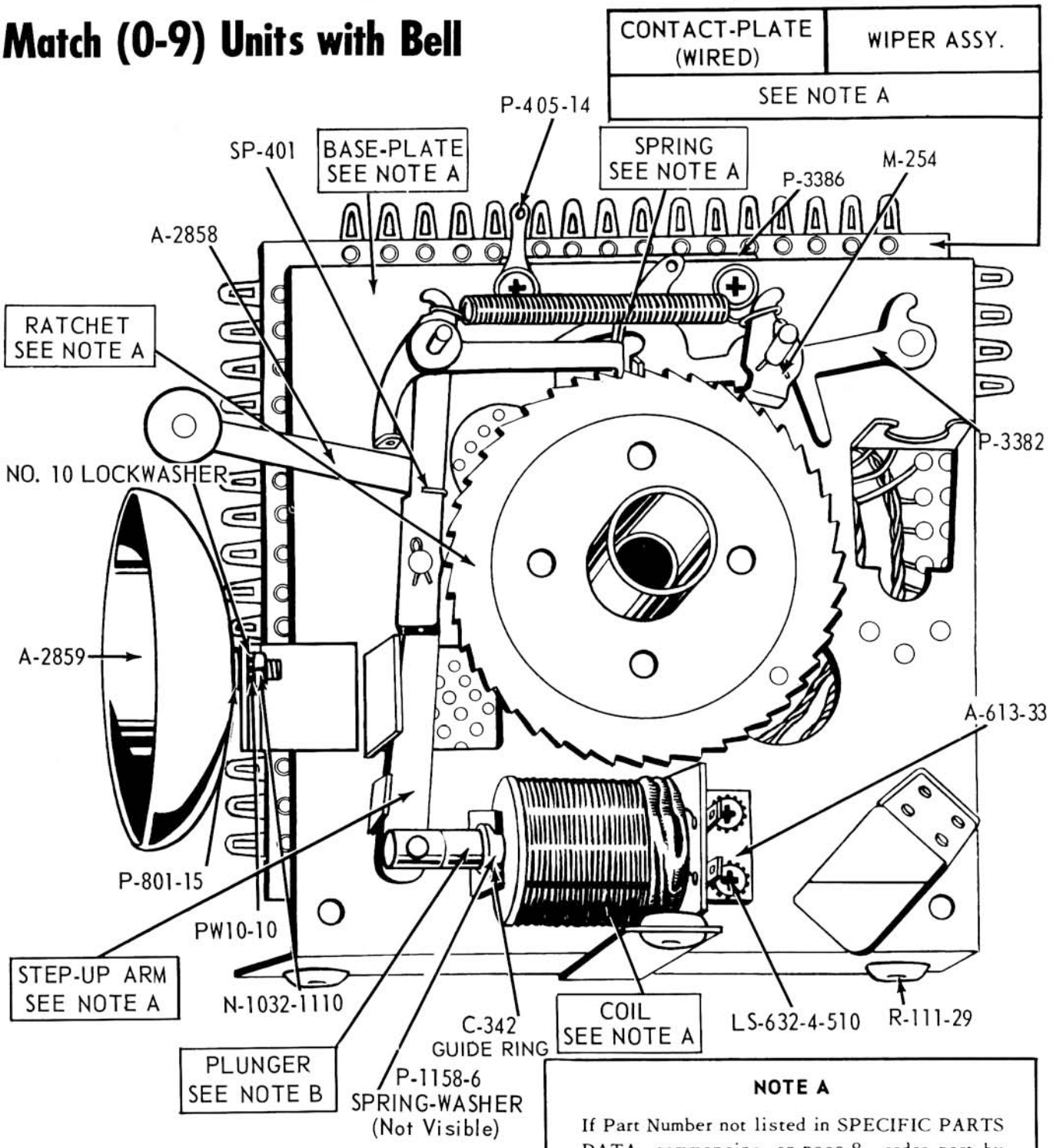
ALSO SEE STEPPING UNITS NOTE ON PAGE 36B

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

STEPPING UNITS, CONTINUOUS

SEE STEPPING UNITS NOTE ON PAGE 36B

Match (0-9) Units with Bell



TO SILENCE BELL

Loosen Bell by turning in counter-clockwise direction. Lower Bell to bottom of slot in mounting-bracket. Tighten Bell by turning in clockwise direction.

ADJUSTMENTS

See adjustment instructions, page 37.

NOTE A

If Part Number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of game, name of unit.

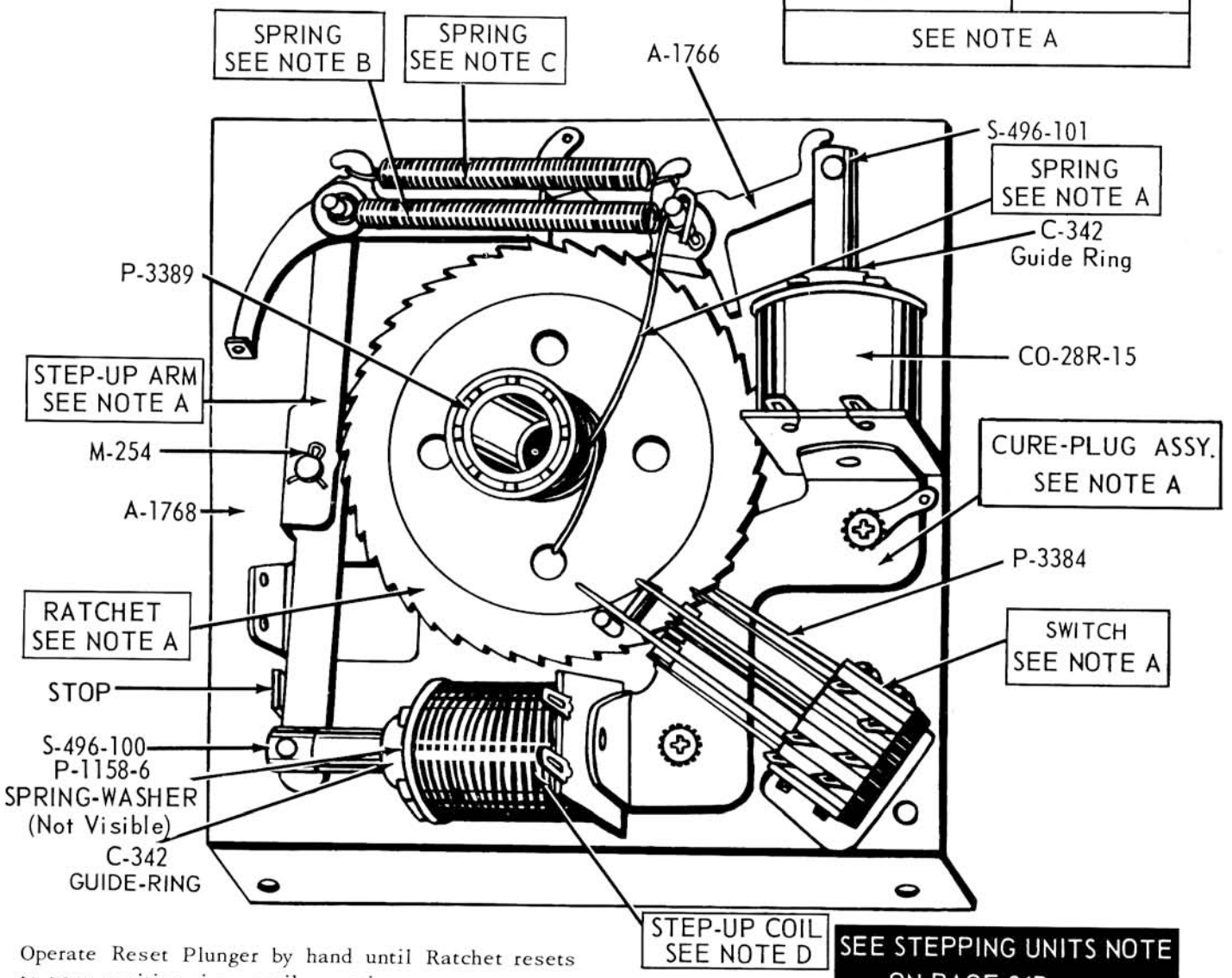
NOTE B

S-496-100 in 50-step Units.
S-496-162 in 60-step Units.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

STEPPING UNITS, FULL RESET

CONTACT-PLATE (WIRED)	WIPER ASSY.
SEE NOTE A	



Operate Reset Plunger by hand until Ratchet resets to zero position, i.e., until resetting movement stops. Then operate Step-up Plunger and, while holding Step-up Plunger in, check to see that Reset Pawl rests at base of ratchet-tooth (point at which straight and angular edges of tooth meet). If Reset Pawl is not at base of tooth, adjust Spring-Stop (P-3384) until Ratchet moves into position to permit Pawl properly to engage tooth, as described. Then check unit manually by operating Step-Up Plunger. After Reset Pawl drops into position described above. Step-up Arm should over-ride approximately 1/64 in. before being stopped by Step-Up Arm Stop ("ear" formed in Base Plate). Bend Stop one way or another to reduce or increase over-ride to approximately 1/64 in. Reset Pawl should then properly drop into base of tooth, without binding, when Reset Plunger is lightly operated (without pushing Plunger all the way in).

SEE STEPPING UNITS NOTE ON PAGE 36B

NOTE A

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of unit, name of game.

NOTE B

SP-100-120 in 3-IN-LINE and earlier games*
SP-100-113 in HOOTENANNY and later games*

NOTE C

SP-100-125 in 3-IN-LINE and earlier games*
SP-100-113 in HOOTENANNY and later games*

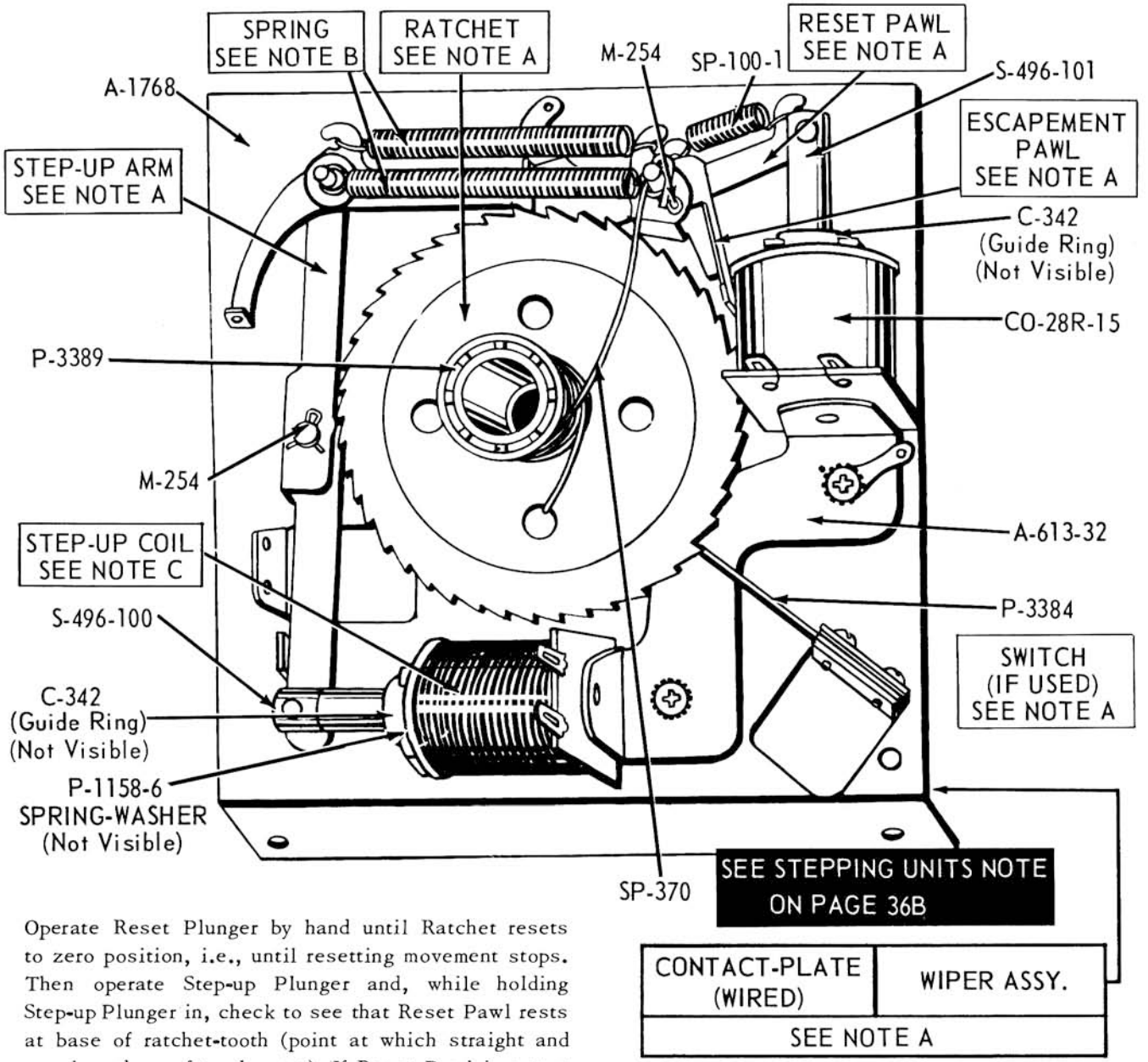
NOTE D

CO-25GG-7 in 3-IN-LINE and earlier games*
E-184-205 in HOOTENANNY and later games*

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

STEPPING UNITS, SINGLE-STEP RESET



Operate Reset Plunger by hand until Ratchet resets to zero position, i.e., until resetting movement stops. Then operate Step-up Plunger and, while holding Step-up Plunger in, check to see that Reset Pawl rests at base of ratchet-tooth (point at which straight and angular edges of tooth meet). If Reset Pawl is not at base of tooth, adjust Spring-Stop (P-3384) until Ratchet moves into position to Permit Pawl properly to engage tooth, as described. Then check unit manually by operating Step-Up Plunger. After Reset Pawl drops into position described above, Step-up Arm should over-ride approximately 1/64 in. before being stopped by Step-Up Arm Stop ("ear" formed in Base Plate). Bend Stop one way or another to reduce or increase over-ride to approximately 1/64 in. Reset Pawl should then properly drop into base of tooth, without binding, when Reset Plunger is lightly operated (without pushing Plunger all the way in).

NOTE A

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of unit, name of game.

NOTE B

SP-100-120 in 3-IN-LINE and earlier games*
SP-100-113 in HOOTENANNY and later games*

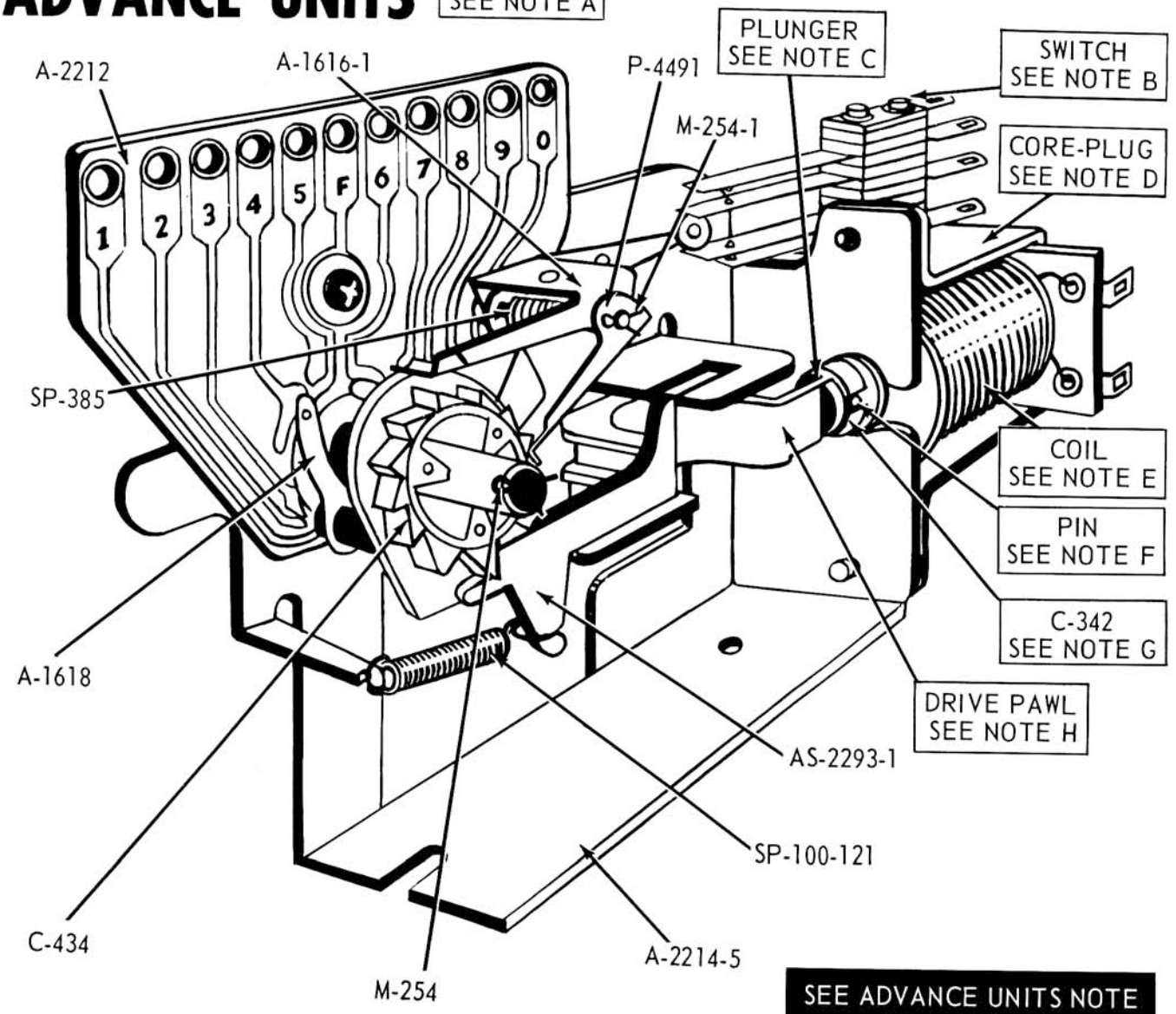
NOTE C

CO-25GG-7 in 3-IN-LINE and earlier games*
E-184-205 in HOOTENANNY and later games*

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

ADVANCE UNITS SEE NOTE A



SEE ADVANCE UNITS NOTE ON PAGE 36B

NOTE A

Unit illustrated was used in games noted below and, slightly modified, in later games, as listed in Specific Parts Data under **bold type** title Advance Unit. (Some "Advance" Units listed in light type in Specific Parts Data are **Stepping Units.**)

NOTE B

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of unit, name of game.

NOTE C

S-496-150 in CROSS COUNTRY
S-496-160* in SKY DIVERS

NOTE E

CO-28ZZ-15 in CROSS COUNTRY
E-184-206 in SKY DIVERS

NOTE F

S-1071-130 with Plunger S-496-150
P-1637-43* with Plunger S-496-160*

NOTE G

Not used with Plunger S-496-160*

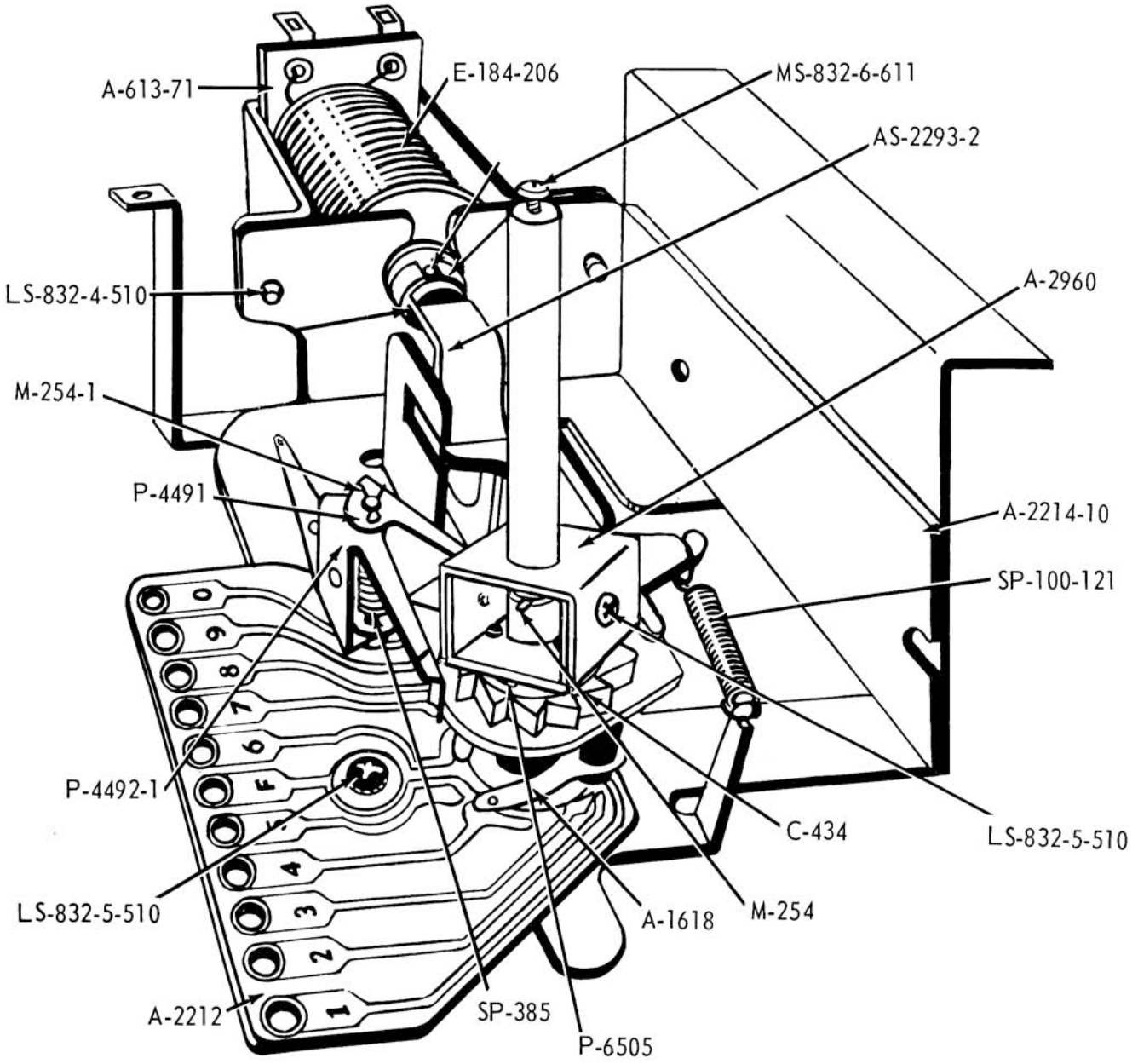
NOTE H

C-435 with Plunger S-496-150
C-435-5* with Plunger S-496-160*

* Starred components are available in complete Plunger & Drive-Pawl Assy. AS-2293-1

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

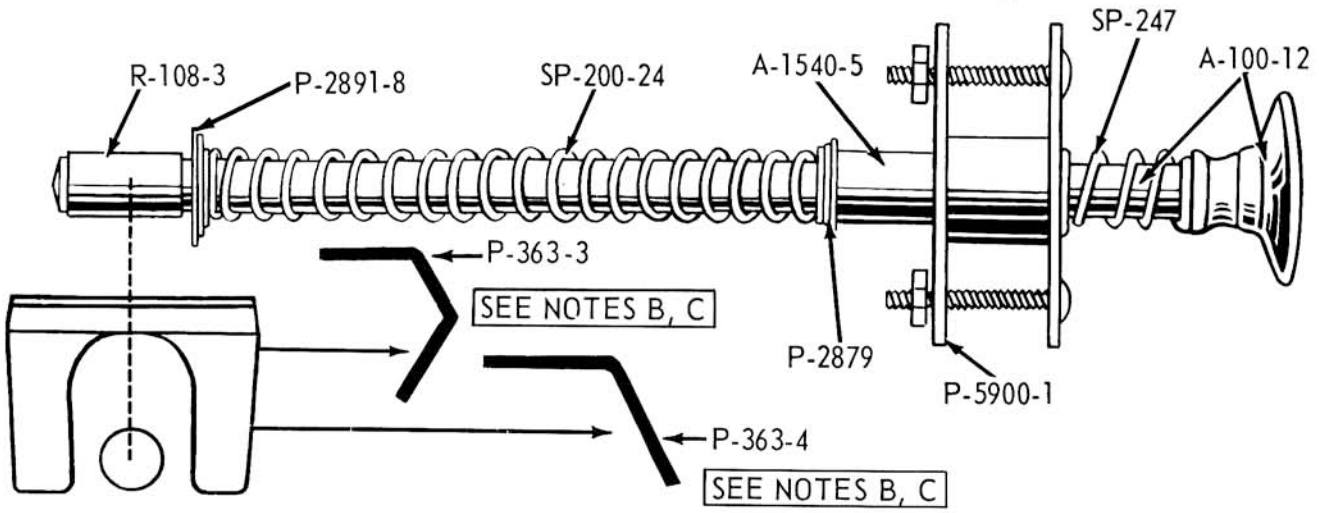
TARGET SELECTOR ASSY. (AS-1900-57)



TARGET SELECTOR DISC ASSY.
A-2961
(Not included in AS-1900-57)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BALL-SHOOTER ASSEMBLY (K-227) SEE NOTE A



When installing Ball-Shooter, adjust Housing in hole in Front-Cabinet so that Shooter Rod Tip is centered in Ball-Control Plate, as illustrated.

FRONT CABINET (OUTSIDE) PARTS

Adjuster, Leg M-163-4
Bolt, Leg M-106-1
Flipper-Button A-1729-4
Front-Moulding Assys.
OLD STYLE . . . . . SEE NOTE D
Single-Coin Games AS-1305-32
Carriage-Bolt (cadmium-plated) 10-24 x 2 in.
Coin-Entry Plate. . . . . SEE NOTE E)
Corner-Casting
LEFT (SEE NOTE F) C-597-1
RIGHT (SEE NOTE F). C-597
Inside Moulding Assy. A-2737
Lock-Washer,
External Tooth. . . . . No. 8
Shakeproof. . . . . No. 4
Nut
Coin-Entry Plate. N440-1110
Corner-Casting. N832-1111
Rubber Glass-Cushion
Narrow (SEE NOTE G) R-221-23
Wide. R-221-28
Screw, Slotless. . . . . 4-40 x 3/8 in.
Top (Outside) Moulding P-5906-2
Washer for Carriage-Bolt . . . . SEE NOTE H
Wingnut for Carriage-Bolt . . . . SEE NOTE I

Front-Moulding Assys.

OLD STYLE . . . . . SEE NOTE D
Multiple-Coin Games AS-1305-26
Detail same as AS-1305-32, excepting
quantity of Coin-Entry Plate
and Coin-Entry Plate Nut

NEW STYLE . . . . . SEE NOTE M
Single Coin Games AS-1305-39
Detail same as AS-1305-32,
excepting
Carriage-Bolt. . . . . NONE
Inside Moulding Assy. A-2737-2
Jam-Nut . . . . . 1/4-20 x 1/8 in.
Lock-Adjustment Screw S-1922
Multiple Coin Games AS-1305-38
Detail same as AS-1305-39, excepting
quantity of Coin-Entry Plate
and Coin-Entry Plate Nut

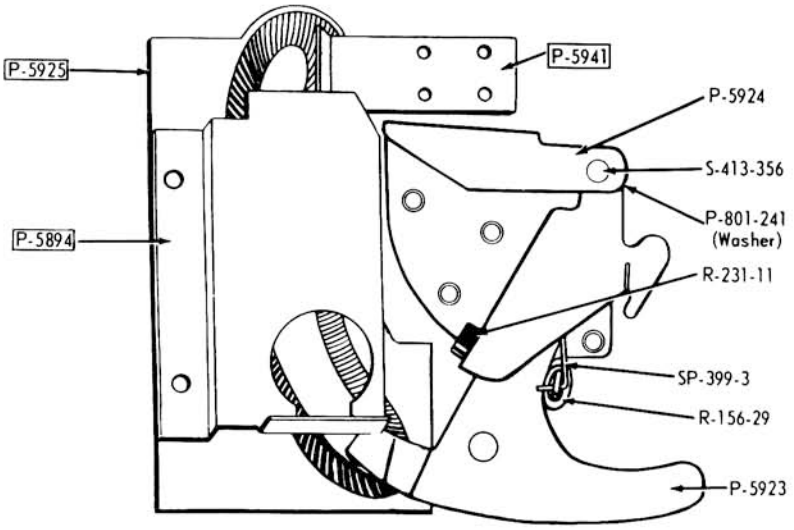
(CONTINUED ON PAGE 44)

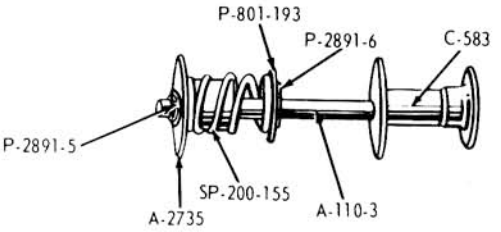
NOTES FOR PAGE 43
COMMENCE ON PAGE 44

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BALL-LIFTER ASSY. (AS-2285) SEE NOTE J

AND RELATED PARTS SEE NOTE K





BALL-LIFTER PUSHER ASSY. K-228

SEE NOTE L

AUTOMATIC BALL-RETURN
ON PAGE 45

FRONT CABINET (OUTSIDE) PARTS

(CONTINUED FROM PAGE 43)

NEW MULTI-PURPOSE FRONT-MOULDING ASSY.

Front-Moulding Assy. (SEE NOTE MA)

Front-Moulding Assy. . . . . (SEE NOTE MA)
. . . . . AS-1305-42
Corner-Casting
LEFT (SEE NOTE F) C-597-1
RIGHT (SEE NOTE F) C-597
Fasteners
Lockwasher (4) . . . . . No. 8 (External Tooth)
Nut (4) N-832-1111
Inside Moulding Assy. A-2737-5
Rubber Glass-Cushion R-221-28
Top (Outside) Moulding P-5906-8

Leg P-4052-2
Side-Rail (Stainless Steel)
LEFT (SEE NOTE F) P-921-48
RIGHT (SEE NOTE F) P-921-49
Trim, Front-Door (SEE NOTE N)

NOTE A
K-227 includes all illustrated parts in unassembled kit.

NOTE B
P-363-3 was used in BAND WAGON and earlier games.* P-363-4 is used in games following BAND WAGON* and may be used as replacement for P-363-3 in all games from HARVEST* to BAND WAGON.*

NOTE C
Neither P-363-3 nor P-363-4 is included in K-227.

NOTE D
Used on SKY DIVERS and earlier games*.

NOTE E
See International Coin-Mechanism Data, commencing on page 68.

NOTE F
RIGHT means Ball-Shooter side of game; LEFT means opposite side.

NOTE G
Used as required; not standard on all games.

NOTE H
Washer P-800-6 is not part of Front-Moulding Assy.

(CONTINUED ON PAGE 44A)

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NOTES
FOR PAGE 43 44

CONTINUED FROM PAGE 44

NOTE I

Wingnut M-463-4 is not part of Front-Moulding Assy.

NOTE J

AS-2285, illustrated in reduced size, page 44, is used in MAD WORLD and earlier games*.

NOTE K

Part numbers enclosed in box not included in AS-2285.

NOTE L

K-228, illustrated in reduced size, page 44, is used in MAD WORLD and earlier games* and includes all illustrated parts in unassembled kit.

NOTE M

Used in MAD WORLD and later games* through TRIO (Add-A-Ball Model).

NOTE MA

Used in BLUE RIBBON and later games*, both single-coin and double coins models.

NOTE N

Bottom

P-5940-2, TRIO (Add-A-Ball) and earlier games*.
P-5940-14, BLUE RIBBON and later games*

Left or Right

P-5940, TRIO (Add-A-Ball) and earlier games*.
P-5940-12, BLUE RIBBON and later games*.

Top

P-5940-1, MAD WORLD and earlier games*.
P-5940-5, GRAND TOUR through TRIO (Add-A-Ball)*.
P-5940-13, BLUE RIBBON and later games*.

*See chronological list of games, page 7.

AUTOMATIC BALL-RETURN

Ball-Ejector Assy.
SEE NOTES A, B
Same as Ball-Ejector Assy., page 63, expecting
- Coil E-184-213
- Ejector-Kicker Assy. . . . . SEE NOTE C
- Mounting Bracket Assy. A-643-9
- Retaining Ring (Shaft) . . . . . SEE NOTE D
- Shaft . . . . . SEE NOTE E
- Spring(Extension), Ejector-Kicker Assy. SP-199-25
- Washer (Shaft) . . . . . SEE NOTE F

Ball-Return Guide (curved stamping) P-6346
Ball-Trough Assy. . . . . SEE NOTE G
Ball-Trough Back Wall . . . . . SEE NOTE G
Switch,
- Ball-Count (mounted on Ball-Trough) . . . . . SEE NOTE G
- Ball-Return (mounted on Panel) . SW-100-412

NOTE A

See Lubrication Instructions, page 5.

NOTE B

AS-428-16 in BIG DAY and earlier games*.

AS-428-17 in HARVEST through TRIO (Add-A-Ball)*.

AS-428-22 in BLUE RIBBON and later games*, may be used as replacement for AS-428-16, AS-428-17.

NOTE C

In AS-428-16: A-642-4

In AS-428-17: A-642-5

In AS-428-22: A-642-6

NOTE D

P-2891-5: 2 used in AS-428-16

3 used in AS-428-16, AS-428-22

NOTE E

In AS-428-16: S-739-144

In AS-428-17: AS-428-22: S-181-48

NOTE F

P-801-34: 2 used in AS-428-16

4 used in AS-428-17, AS-428-22

NOTE G

If part number not listed in SPECIFIC PARTS DATA, commencing on page 17, order part by name, specifying name of game.

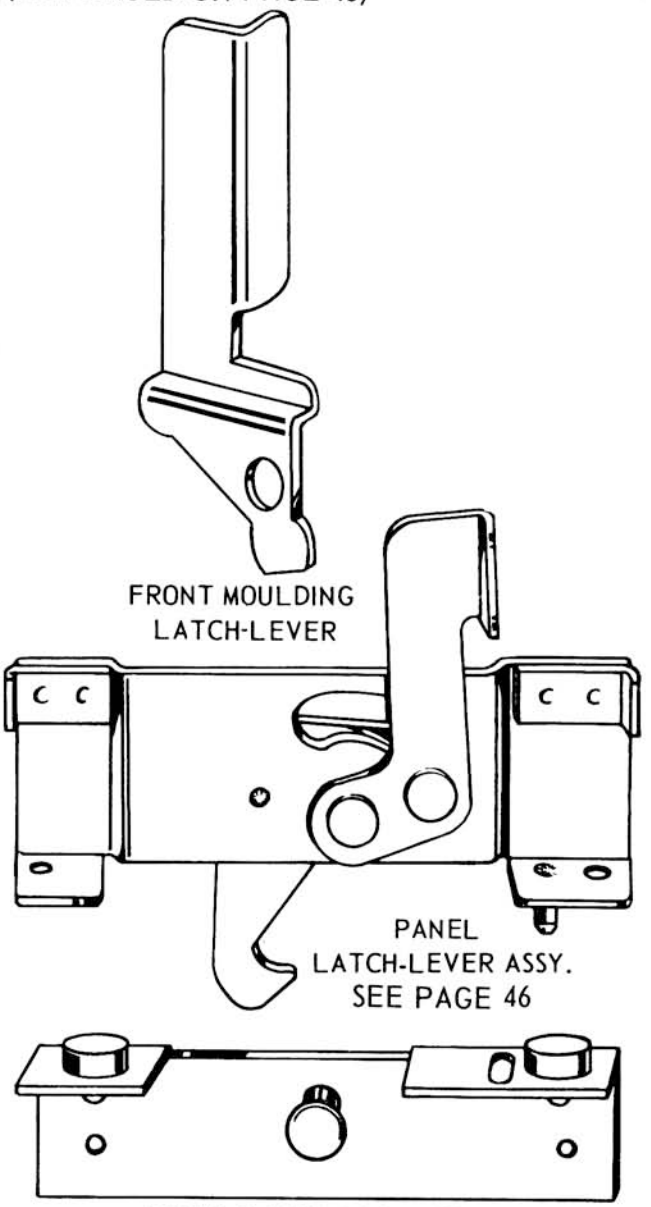
E-Z LATCH PARTS

BACKGLASS RETAINER (See page 67)

FRONT-MOULDING

Front-Moulding Assys. (See pages 43, 44)
Latch-Lever (illustrated below) . . P-6363
Bushing for Latch-Lever S-156-410
Carriage-Bolt for Latch-Lever . . . ¼-20x1½ in.

(CONTINUED ON PAGE 46)



ABOVE PARTS ILLUSTRATED IN REDUCED SIZE

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

E-Z LATCH PARTS

(CONTINUED FROM PAGE 45)

FRONT-MOULDING (Concluded)

Stop-Nut (Elastic) for Latch-Lever M-319-8
Washer for Latch-Lever P-801-193
Lock Assys., Front-Moulding
Listed at right in FRONT CABINET

MOUNTING BOARD, ELEVATOR

See Front Cabinet (inside)

PLAYFIELD PANEL

Latch-Rails (See page 65)
Latch-Lever Assys.
Right (SEE NOTE A)
Front (illustrated, page 45) A-2901-1
Rear (SEE NOTE AA) A-2901-3
Left (SEE NOTE A)
Front A-2901
Rear (SEE NOTE AA) A-2901-2
Latch-Lock Assys.
Right (illustrated, page 45)
(SEE NOTE A) AS-2315
Mounting Bracket Assy A-2899
Plug-Bumper R-231-11
Left (SEE NOTE A). AS-2315-1
Same as AS-2315, excepting
Mounting Bracket Assy. A-2899-1
Panel Guide (See NOTE AB)
Right (illustrated, page 47A)
(SEE NOTE A) P-6647-1
Left (SEE NOTE A). P-6647
Panel Guide Lock Assy. (See NOTE AB)
Right (illustrated, page 47A)
(See NOTE A) A-3017
Left. A-3017-1

NOTES FOR PAGE 46
ARE AT TOP
OF PAGE 47A

FRONT CABINET (Inside)

Armor, Front (SEE NOTE B) P-921-47
Ball M-168-26
Ball Tilt Assy. (SEE NOTE BA) . . AS-1588-1
Ball (SEE NOTE BB). M-168-26
Retainer P-3705-1
Screw, Switch (2) MS-540-7-110
Switch SW-000-11
Switch-Plate P-137-5
Switch Soldering Lug P-268
Ball-Trough & Switch Assy. . . . . SEE NOTE C
Ball-Stop Assy. . . . . SEE NOTE C
Ball-Stop Bracket . . . . . SEE NOTE C
Ball-Switch . . . . . SEE NOTE D

Adjust tension of Ball-Switch blade which contacts Ball-Switch Actuator in Ball-Trough so that Ball rolls over Actuator freely, without hesitating or stopping.

Ball-Switch Actuator . . . . . SEE NOTE C
Ball-Trough Assy. . . . . SEE NOTE C
Ball-Trough Bracket P-5894
Ball-Trough Runway . . . . . SEE NOTE C
Clip. . . . . SEE NOTE C
Spring-Trap . . . . . SEE NOTE C
Switch-Plate P-137-5
Bounce-Switch Assembly
(SEE ILLUSTRATION, PAGE 49)
Brace, Cabinet P-5683-1
Coin-Box (less Cover),
Double Compartments. A-2790-13
Single Compartment. A-2790-5
Coin-Slide Assy. (SEE NOTE B). . . A-2719
Counter, Total-Play. E-130-10
Cover,
Coin-Box A-2790-5 . . . . . P-3089-24
Coin-Box A-2790-13. . . . . P-3089-26
Elevator Mounting Board
(See Mounting Board, Elevator, page 47)
Fuse
5 amp E-133-5
8 amp E-133-8
10 amp E-133-10
Fuse Block E-148-5
Gong Assys.
(SEE ILLUSTRATIONS, PAGE 67)

(CONTINUED ON PAGE 47)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

FRONT CABINET (Inside)

(CONTINUED FROM PAGE 46)

Lock-Assys., Front-Moulding
- MAD WORLD only
  - Single-coin games AS-2313-2
    - Arch-Rest Bracket P-6368
    - (SEE NOTE 1-A)
    - Bushing (Latch-Spacer) . . S-231-672
    - Coin-Slide Assy A-2719-2
    - Front-Moulding Bracket . . P-6364-1
    - (SEE NOTE 2-A)
    - Front-Moulding Bracket Assy
    - (SEE NOTE A) A-2902
    - Front-Moulding Latch . . . P-6365
    - Screw,
      - Coin-chute Mounting . . LS-832-4-511
      - Front-Moulding Latch . LS-832-7-510
    - Stop-Nut (Elastic) M-319-3
    - Washer P-801-107
  - Multiple-Coins games. AS-2313-1
  - Same as AS-2313-2, excepting quantity
    - Coin-Slide Assy. (2)
    - Screw, Coin-Chute Mounting (4)
- GRAND TOUR through TRIO (Add-A-Ball)*
  - Single-coin games. AS-2313-3
  - Same as AS-2313-2, excepting
    - Arch-Rest Bracket . . . . . NONE
    - Front-Moulding Bracket . . P-6364
    - Front-Moulding
      - Bracket Assy. . . . . NONE
  - Multiple-coins games AS-2313
  - Same as AS-2313-3, excepting quantity
    - Coin-Slide Assy. (2)
    - Screw, Coin-Chute Mounting (4)
- BLUE RIBBON and later games*
  - Lock Assy., Front Moulding . AS-2313-5
    - Bracket, Front Moulding. . P-6364-2
    - Bushing,
      - Longer (1). S-231-695
      - Shorter (3). S-231-672
    - Fasteners
      - Lockscrew (4) LS-832-8-510
      - Stop-Nut, Elastic (4) . . M-319-3
    - Latch, Front Rail P-6365-1
    - Washer (8). P-801-107
    - Washer, Spring P-1158-5

*See chronological list of games, page 7.

FRONT CABINET (Inside)

- Lock-Plate (Coin Box). P-3045-9
- Mercury-Switch (SEE NOTE AB) . . E-108-80
- MOUNTING BOARD, ELEVATOR
  - Special components attached to Cabinet
    - Support Bar Channel (2 toward front of Cabinet) P-6720
    - Support Bar Guide (2 toward rear of Cabinet) P-6721
  - Mounting Board
    - Support Bar M-1374
    - Support Bar Clamp (2) . . . P-6719
    - Support Bar Shim (2) P-1973-147
- Resistor (15 ohms, 5 watts). E-104-43
- Sounder Assy.
- (SEE ILLUSTRATION, PAGE 49)
- Tilt
  - Contact-Bracket P-275
  - Hanger P-274
  - Plumb-Bob E-138-3
  - Wire M-175
- Tilt-Switch
- (SEE ILLUSTRATION, PAGE 49)
- Transformer . . . . . SEE NOTE B

FRONT-DOOR PARTS

- Bracket, Slug Rejector Mounting P-6046-1
- Bracket, Switch (Replay) Protector. . . P-6366-1
- (SEE NOTE BA)
- Coin-Entry Assy. . . . . SEE NOTE F
- Coin-Return . . . . . SEE NOTE BC
- Coin-Slide Assys. (SEE NOTE BD)
  - Segment with slot to receive "ear" in opposite segment A-3051
  - Segment with "ear" to enter slot in opposite segment A-3051-1
- Coin-Switch & Rejector Mounting Assys.
- (SEE ILLUSTRATIONS, PAGES 47D, 48, 48A)
- Cover, Coin-Switch P-6297-1
- Cover, Front-Door . . . . . SEE NOTE C
- Front-Door only . . . . . SEE NOTE CA
- Hinge Assy. . . . . SEE NOTE D
- Key-Hook M-389-1
- Lock & 2 Keys M-281-22
- Lock-Cam P-4005-1
- Push-Button Guide . . . . . SEE NOTE E
- Replay-Button A-1729-6
- Replay-Switch SW-100-358
- Slug-Rejector . . . . . SEE NOTE F
- Tilt-Switch (SEE ILLUSTRATION, PAGE 49)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NOTES FOR PAGE 46

NOTE A
RIGHT is Ball-Shooter side of game; LEFT is opposite side.

NOTE AA
Not used in ACES HIGH and later games*.

NOTE AB
Standard in ACES HIGH and later games*.

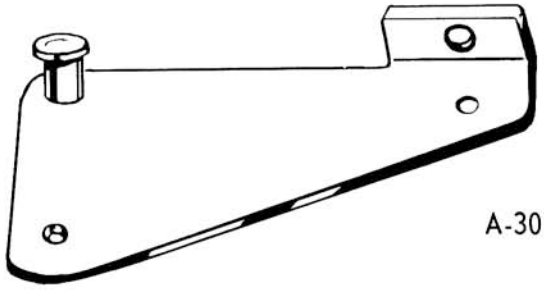
NOTE B
Used in SKY-DIVERS and earlier games*

NOTE BA
Ball Tilt Assy. AS-1588-1 replaces Mercury Switch E-108-80 in DISCOTEK and later games*.

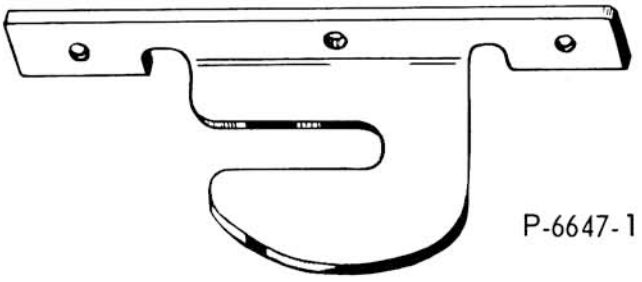
NOTE BB
Ball is not included in AS-1588-1

NOTE C
If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of game.

NOTE D
If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order Ball-Switch by name, specifying name of game and position of Switch on Ball-Trough – 1, 2, 3, 4 or 5 – counting from Ball-Shooter side of game.


A-3017

PANEL GUIDE LOCK ASSY. (SEE PAGE 46)


P-6647-1

PANEL GUIDE (SEE PAGE 46)

ABOVE PARTS ILLUSTRATED IN REDUCED SIZE

NOTES FOR PAGE 47

NOTE 1-A
Used after first 1,000 games. Arch-Rest Bracket is part of Front-Moulding Bracket Assy. in first 1,000 games.

NOTE 2-A
Used after first 1,000 games. Front-Moulding Bracket part of Front-Moulding Assy. in first 1,000 games.

NOTE A
Used only in first 1,000 games. See NOTES 1-A, 2-A above.

NOTE AB
See NOTE BA above (PAGE 46 NOTES)

NOTE B
E-122-91 (115 volts) in 3-IN-LINE and earlier games* E-122-92 (220-240 volts) in 3-IN-LINE and earlier games* E-122-95, which may be used with either 115 volts or 220-240 volts current supply, is standard in HOOTENANNY and later games* and may be used in all Bally flipper-type games.

NOTE BA
Used in BLUE RIBBON and later games*.

NOTE BC
TRIO (Add-A-Ball Model) and earlier games*.

A-1363

BLUE RIBBON and later games*.

A-3052

NOTE BD
Used in BLUE RIBBON and later games*. Coin-Slide Assys. for earlier games listed on page 46.

NOTE C
For BAND WAGON and earlier games* order

P-5946 (Double Coin-Returns)

P-5946-2 (Single Coin-Return)

and also order

A-254-72 Hinge Assy.

(CONTINUED ON PAGE 47B)

*See chronological list of games, page 7.

NOTES FOR PAGE 47

(CONTINUED FROM PAGE 47A)

New design of Front Door Covers, requiring use of Hinge Assy. A-254-72, permits door to be opened wider for greater accessibility.

(Push-Button Guide P-2768-26 is also recommended for use with new type Front-Door Covers.)

For MAGIC CIRCLE and later games* through TRIO (Add-A-Ball Model) above new type Front-Door Covers and Hinge Assy. A-254-72 may be ordered separately as required.

For BLUE RIBBON and later Standard Model games*, Front-Door Covers:

P-5946-10 (Single-coin games)

P-5946-11 (Double-coins games)

P-5946-12 (Triple-coins games)

For TRIO (Add-A-Ball Model), Front-Door Cover:

P-5946-3

For GOLD RUSH (Add-A-Ball Model), Front-Door Cover:

P-5946-10

NOTE CA

For TRIO (Add-A-Ball Model) and earlier games*

CA-567-134 (Double Coin-Returns)

CA-567-146 (Single Coin-Return)

For BLUE RIBBON and later games*

CA-567-159 (All games)

NOTE D

For BAND WAGON and earlier games*, when only Hinge Assy. is required, order

A-265-63

For MAGIC CIRCLE and later games* through TRIO (Add-A-Ball Model) see reference to A-254-72 in NOTE C above.

For BLUE RIBBON and later games

A-254-76 Hinge Assy.

NOTE F

See International Coin-Mechanism Data, commencing on page 68.

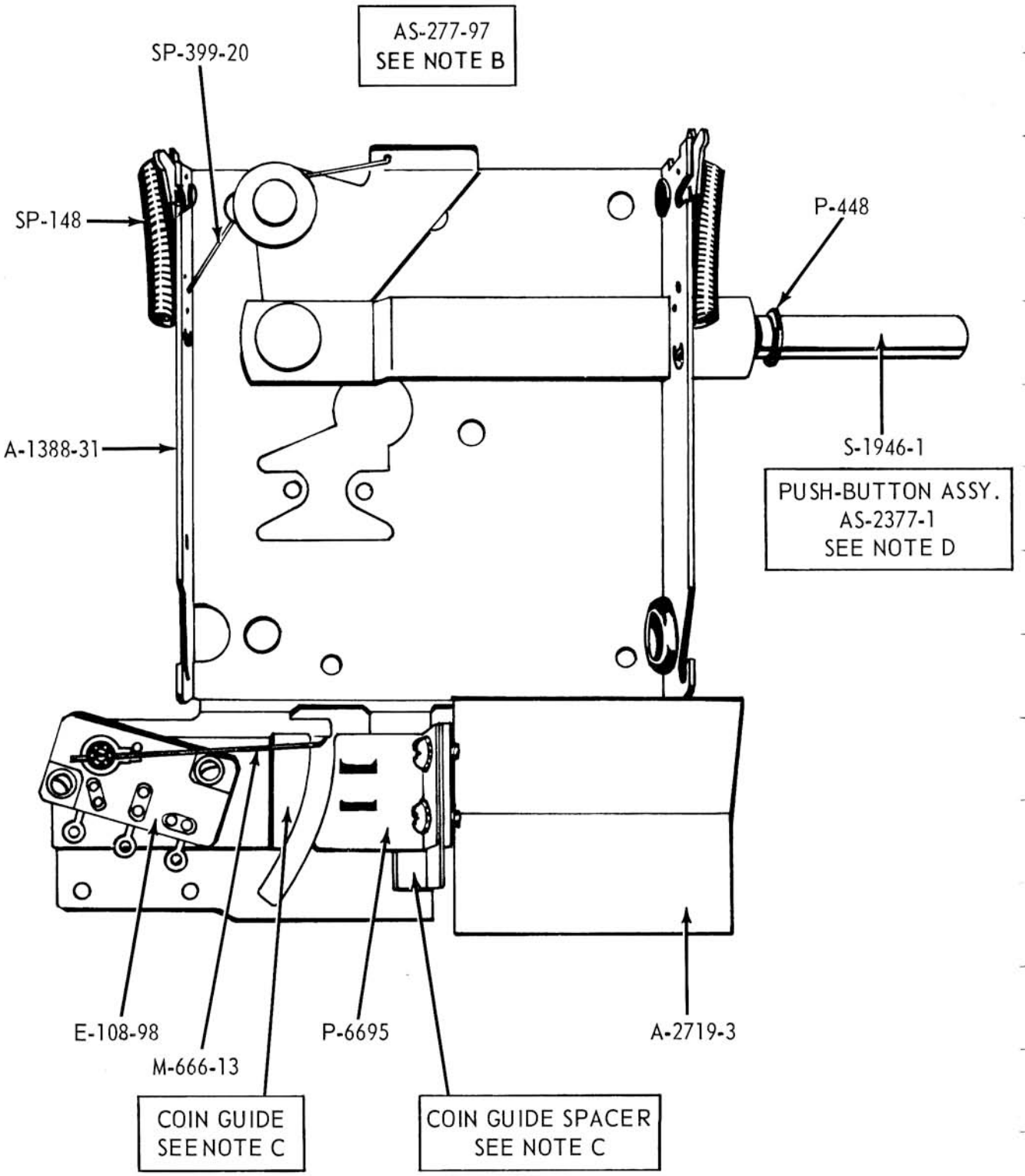
NOTE E

See reference to Push-Button Guide in NOTE C above.

*See chronological list of games, page 7.

COIN-SWITCH & REJECTOR MOUNTING ASSY.

Consisting of Assys. and Parts illustrated SEE NOTE A



WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NOTES FOR PAGE 47D

NOTE A

Used in BLUE RIBBON and later games*. Comparable Assys. used in TRIO (Add-A-Ball) and earlier games* are illustrated on pages 48, 48A.

NOTE B

Specify desired P-6431 Coin Guide Spacer and P-6694 Coin Guide.

NOTE C

See International Coin-Mechanism Data, commencing on page 68.

NOTE D

Not included in AS-277-97

FASTENERS

Coin Guides

(2) LS-540-3-110

Coin Return Guide Assy.

(2) LS-540-3-110

Coin Switch

(2) MS-440-12-110

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

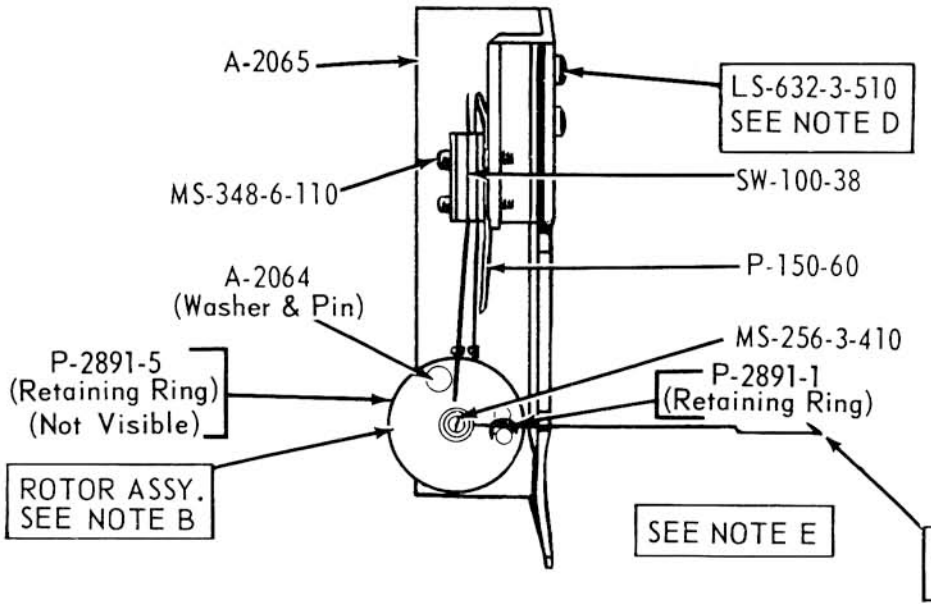
*See chronological list of games, page 7.

COIN-SWITCH & REJECTOR MOUNTING ASSYS.

Consisting of Assys. and Parts illustrated on pages 48, 48A

COIN-SWITCH ASSYS., BLADE-SWITCH TYPE

SEE NOTE A | SEE NOTE B | SEE NOTE C



SPECIAL NOTE
Assys. on pages 48, 48A are used in TRIO (Add-A-Ball Model) and earlier games*

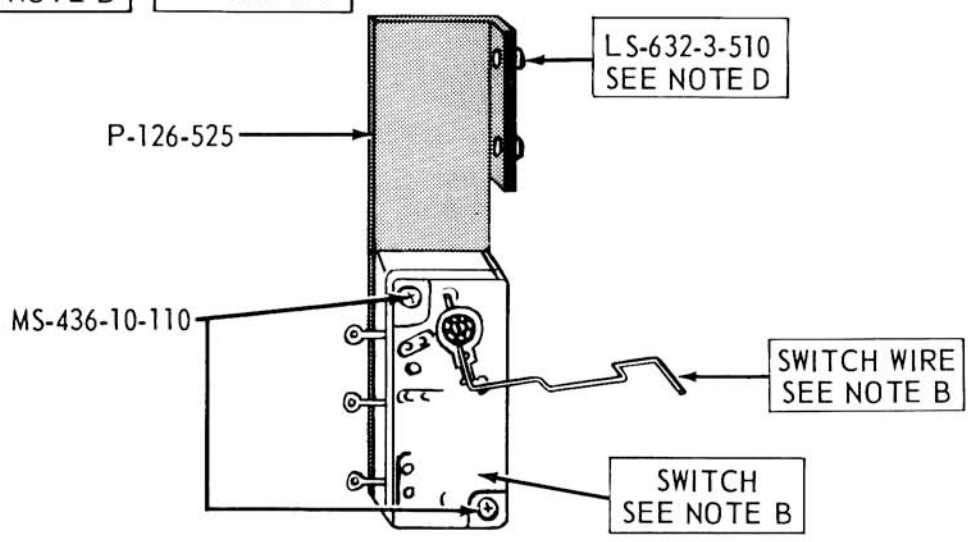
Coin-Switch & Rejector Mounting Assy. used in BLUE RIBBON and later games* appear on page 47D

* See chronological list of games, page 7

When coin-mechanism is idle (before coin is deposited), longer blade of Coin Switch SW-100-38 should rest firmly against pin on Rotor Assembly with extension or Rotor Spring resting at bottom of Slug-Rejector Mounting Assembly. However, avoid excessive pressure of Coin Switch against pin on Rotor Assembly. Coin must pass over wire freely and actuate Coin-Switch.

COIN-SWITCH ASSYS., MICRO-SWITCH TYPE

SEE NOTE A | SEE NOTE B | SEE NOTE F

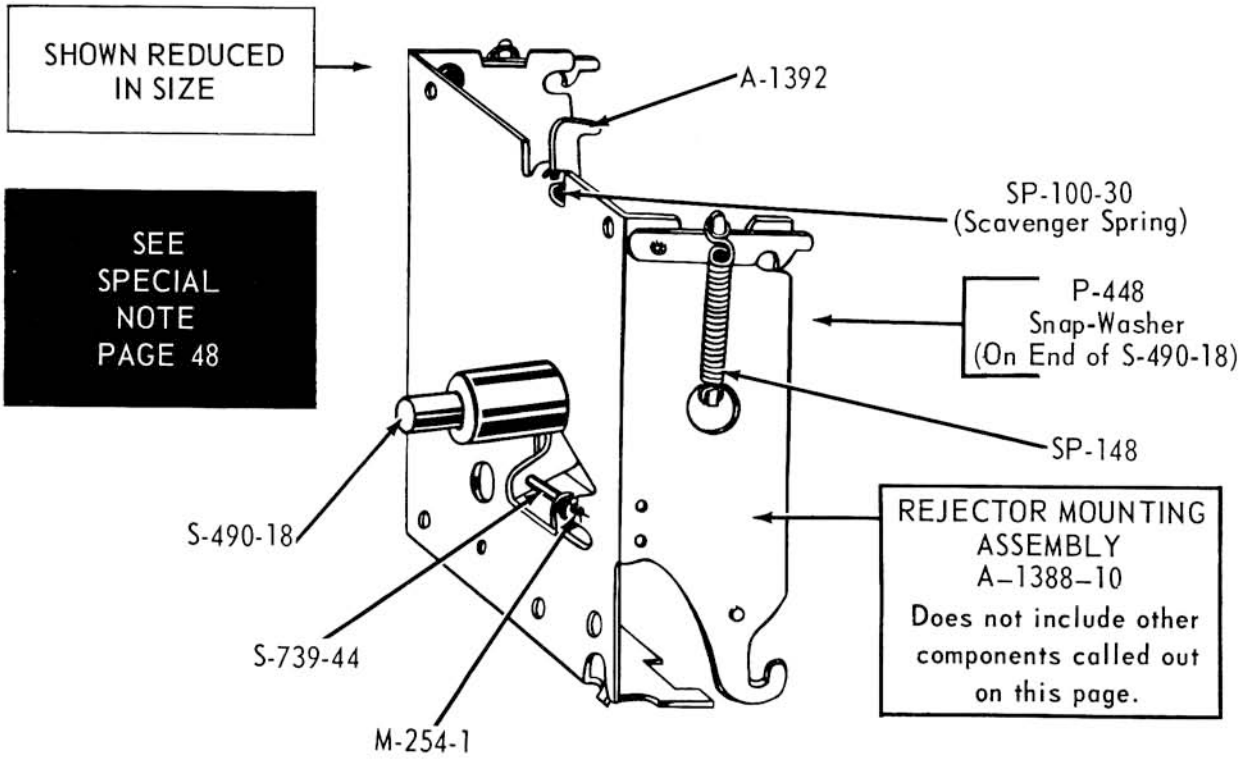


WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

COIN-SWITCH & REJECTOR MOUNTING ASSYS.

Consisting of Assys. and Parts illustrated on pages 48, 48A

REJECTOR MOUNTING ASSY. AND RELATED PARTS



NOTES FOR PAGE 48

NOTE A

Both Blade-Switch Type and Micro-Switch Type Coin-Switch Assys. are used in Bally flipper-type games. Either type may be used as a total replacement for the other type. in TRIO (Add-A-Ball) and earlier games*.

NOTE B

For correct part numbers of assys. and components which relate to particular national coins, see International Coin-Mechanism Data commencing on page 68.

NOTE C

Blade-Switch Type Coin-Switch Assys. illustrated at top of page 48 include all assys. and components called out, excepting as noted in NOTE D, and parts not illustrated but listed in NOTE E. Each assy. or component called out or listed in NOTE E may be purchased separately. (See NOTE B).

NOTE D

Lock-Screws LS-632-3-510 are not included in Coin-Switch Assys.

NOTE E

In addition to parts called out on page 48, Blade-Switch Type Coin-Switch Assys. include

Washer, Steel, 3/16 in. dia. P-801-364

In addition to parts called out on page 48, Rotor Assys. include

Hub S-1595
Washer, Brass P-801-30
Washer, Steel, 3/4 in. dia. P-801-353

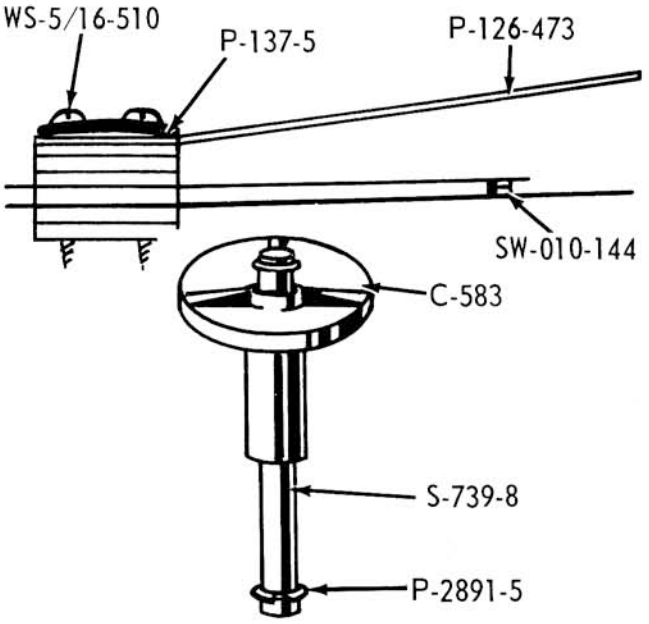
NOTE F

Micro-Switch Type Coin-Switch Assys. illustrated at bottom of page 48 include all assys. and components called out, excepting as noted in NOTE D. Each assy. or component called out may be purchased separately. (See NOTE B.)

*See chronological list of games, page 7.

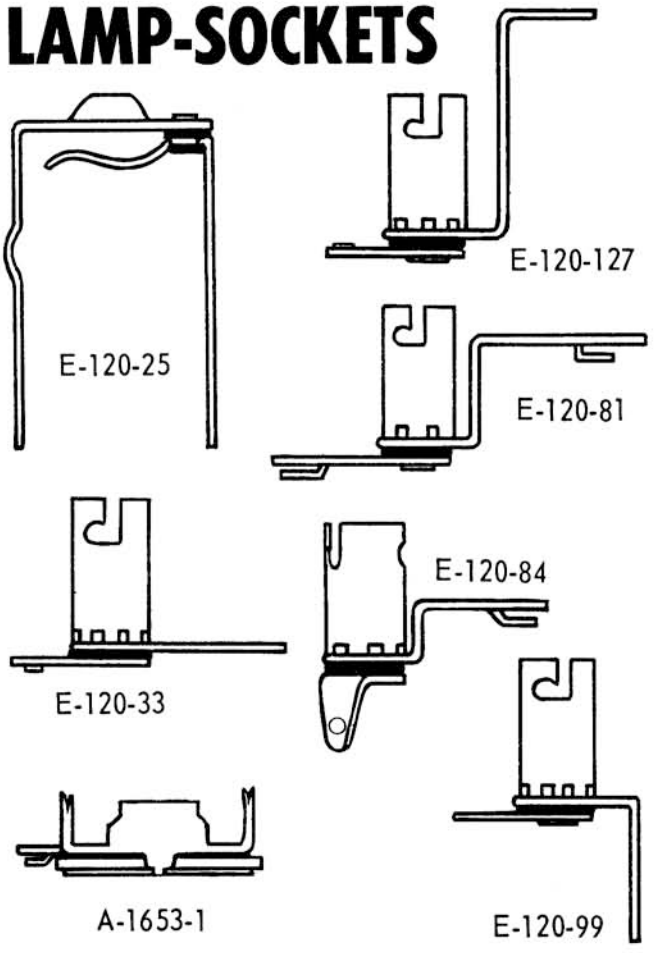
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BOUNCE-SWITCH

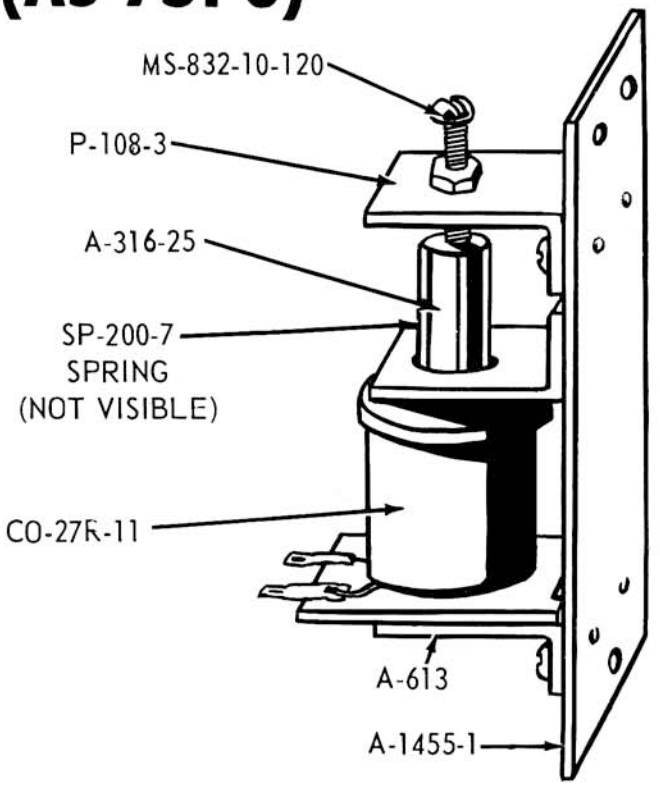


LAMPS SEE PAGE 67

LAMP-SOCKETS

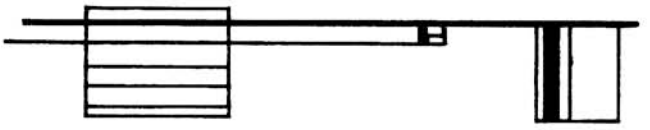


SOUNDER ASSEMBLY (AS-731-6)



Sounder Assembly is factory-adjusted to allow approximately 1/16 in. air-gap between bottom of Adjustment Screw (MS-832-10-120) and top of Plunger, when Plunger is pulled all the way into coil. Increasing the air-gap will increase the sound; decreasing the air-gap will decrease the sound.

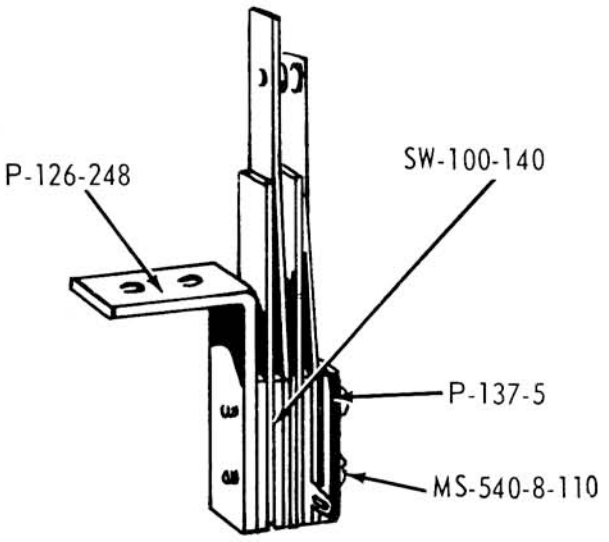
TILT-SWITCH (SW-010-76)



Identical Switch used on Mounting-Board and Front-Door. Also see similar Tilt-Switch on page 66

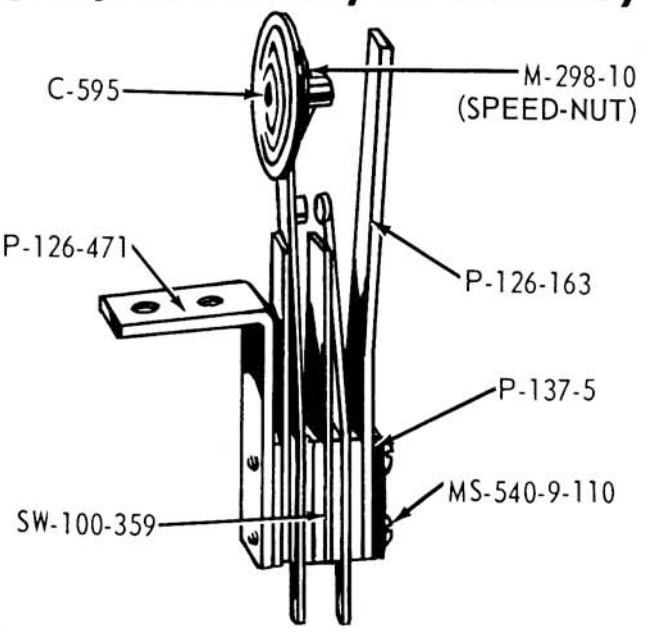
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

REBOUND-SWITCH
(Complete Assembly AS-982-162)

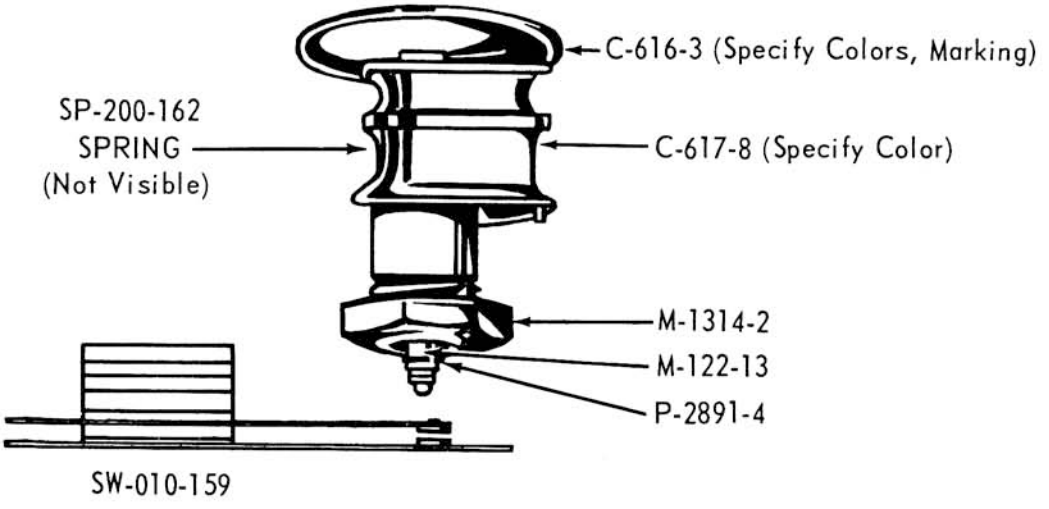


When Rebound-Switch Assy. is at rest, actuating blade of Switch SW-100-140 should be just barely touching Rubber Ring, with 1/16 in. air-gap between switch-points.

TARGET-SWITCH
(Complete Assembly AS-982-456)

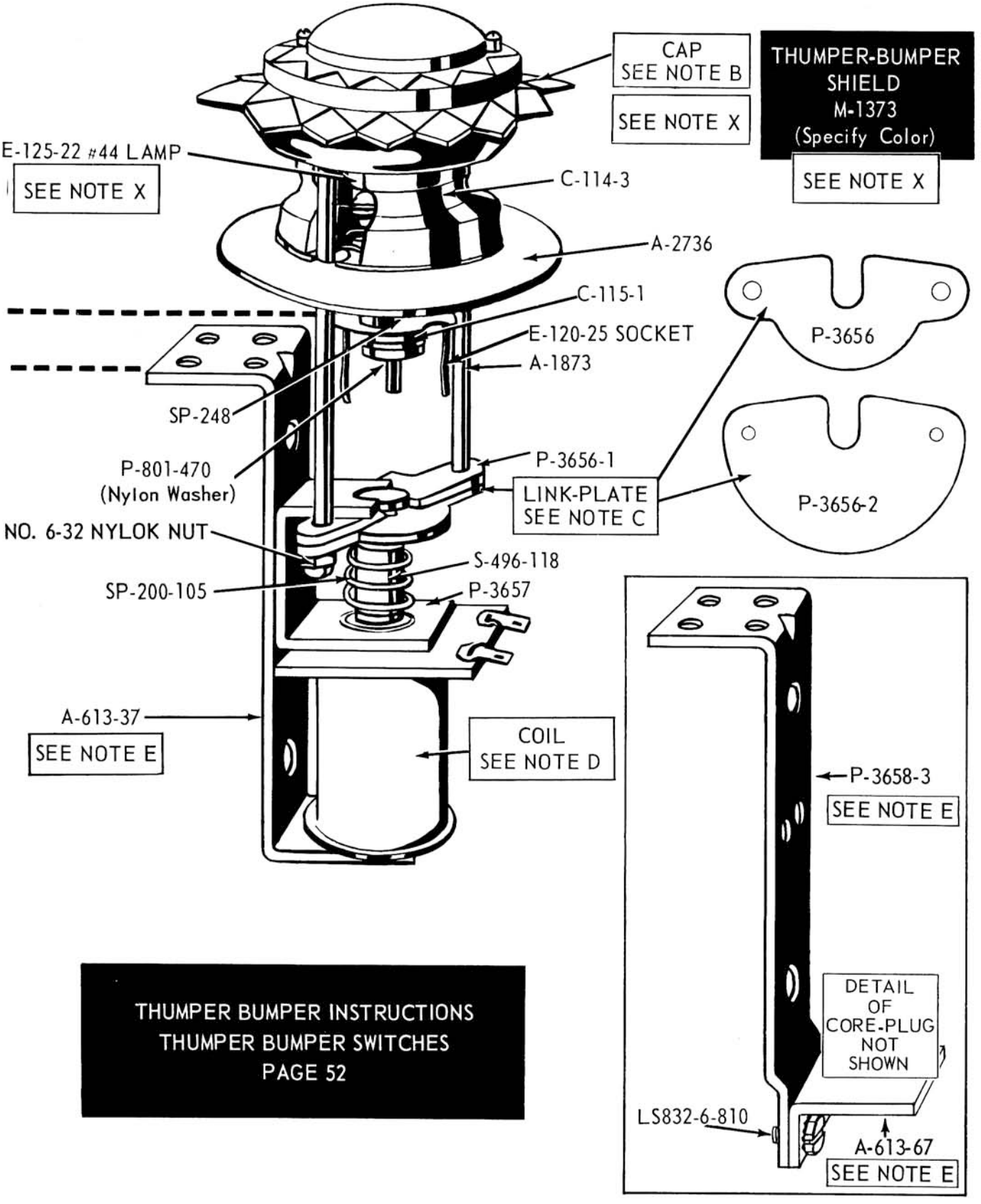


MUSHROOM BUMPER ASSEMBLY (AS-2291)
Specify colors and marking of Cap and Post



WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

THUMPER BUMPER (Above Playfield) AS-2222
COIL & BRACKET ASSYS. (Below Playfield) SEE NOTE A



THUMPER BUMPER INSTRUCTIONS
THUMPER BUMPER SWITCHES
PAGE 52

THUMPER BUMPER NOTES

NOTE A

AS-1567-2 in 3-IN-LINE and earlier games*.

Components of AS-1567-2 are available (excepting P-3656 and CO-26NN-9), but complete replacement of AS-1567-2 should be with AS-1567-5 (SEE BELOW).

AS-1567-3 in HOOTENANNY and later games* through ACES HIGH.

Detail of AS-1567-3 is same as AS-1567-2 (illustrated), excepting

Bakelite Link-Plate (SEE NOTE C),

Coil (SEE NOTE D).

Components of AS-1567-3 are available, but complete replacement of AS-1567-3 should be with AS-1567-5 (SEE BELOW).

AS-1567-5 in DISCOTEK and later games*.

Detail of AS-1567-5 is same as AS-1567-3, excepting, as illustrated in boxed sketch,

Core-Plug Assy. is separate Assy.,

Mounting Bracket is not part of Core-Plug Assy.

(SEE NOTE E.)

NOTE B

C-368 with rounded top, as illustrated.

C-670 with slanted flat top.

Specify colors and marking when ordering either style Cap.

NOTE C

P-3656 in AS-1567-2.

P-3656-2 in AS-1567-3, AS-1567-5.

Replacement of P-3656 should be with P-3656-2.

NOTE D

CO-26NN-9 in AS-1567-2.

E-184-190 in AS-1567-3, AS-1567-5.

Replacement of CO-26NN-9 should be with E-184-190.

NOTE E

Core-Plug and Mounting Bracket are combined, as AS-613-37 in AS-1567-2, AS-1567-3.

Core-Plug and Mounting Bracket are separated, as illustrated in boxed sketch, in AS-1567-5.

AS-613-37 is available, but recommended replacement of AS-613-37 is with

AS-613-67,

LS832-6-810 (2),

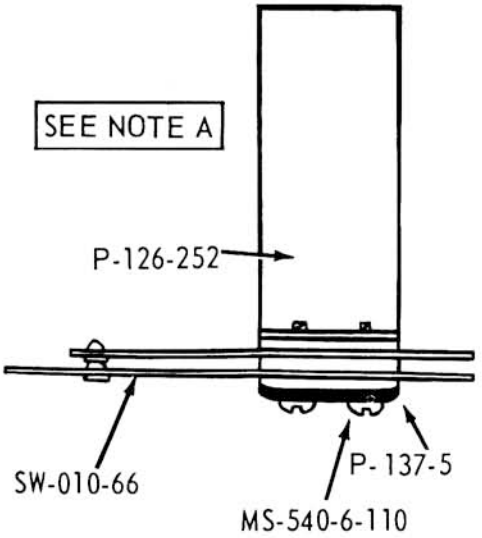
P-3658-3

NOTE X

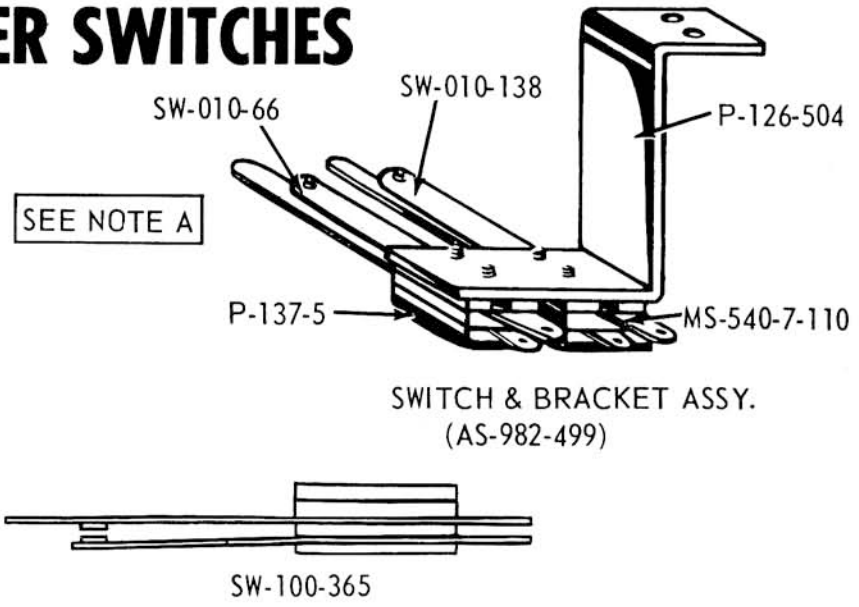
Parts marked NOTE X are not included in Assy. AS-2222.

*See chronological list of games, page 7.

THUMPER-BUMPER SWITCHES



SWITCH & BRACKET ASSY.
(AS-982-160)



SWITCH & BRACKET ASSY.
(AS-982-499)

NOTE A
AS-982-160 used with AS-1567-2.
AS-982-499 used with AS-1567-3, AS-1567-5.

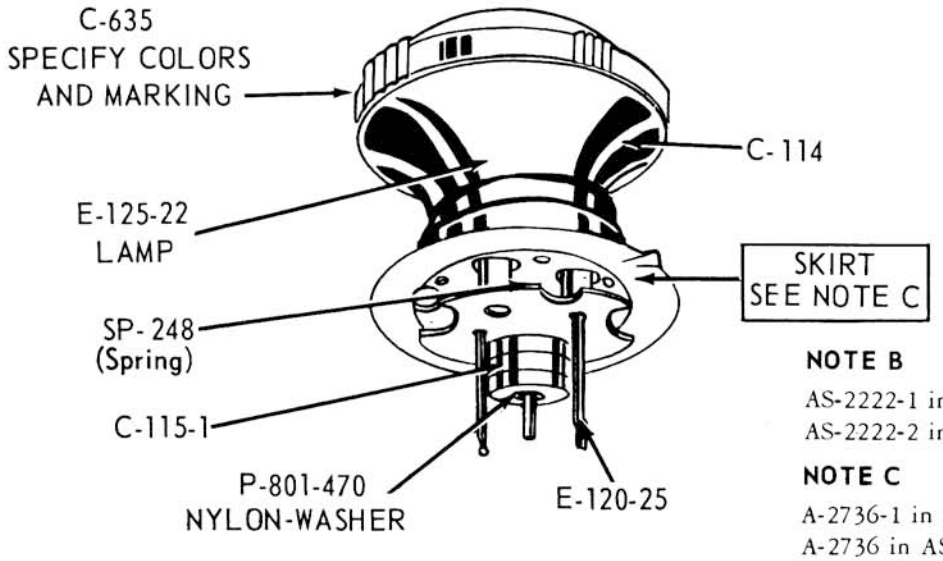
To remove Thumper-Bumper, first elevate Playfield Panel, and unsolder and straighten terminals of Lamp-Socket E-120-25 to permit passage through Panel. Then remove 2 No. 6-32 Nylok Nuts at ends of Studs on Flange & Stud Assembly A-1873.

Remove Cap for access to 2 wood-screws which secure Thumper-Bumper to Top of Panel. When screws are removed, entire Thumper-Bumper may be lifted from Panel. (Be careful that parts assembled to Flange & Stud Assembly do not become dis-assembled.)

To install new Thumper-Bumper, follow above instructions in reverse order.

After installation, check and adjust Bumper Scoring Switch SW-100-365. The blade contacting pin on Bumper Base C-115-1 should be just touching pin without excessive pressure. Gap between switch-points should be approximately 1/32 in.

STANDARD BUMPER ASSYS. SEE NOTE B



BUMPER SWITCH
SW-100-365
SEE SKETCH ABOVE

NOTE B
AS-2222-1 in CUE-TEASE
AS-2222-2 in other games with Standard Bumper

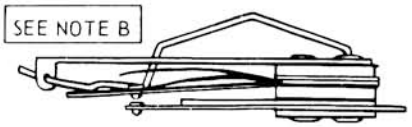
NOTE C
A-2736-1 in AS-2222-1
A-2736 in AS-2222-2

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

ROLLOVERS

OLD STYLE (SEE NOTE A)

(SEE NOTE B)



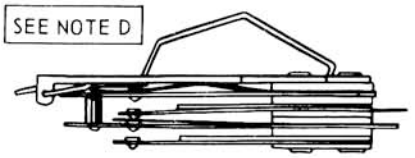
SW-100-367
TWO-DIRECTION ROLLOVER
SINGLE-MAKE

(SEE NOTE C)



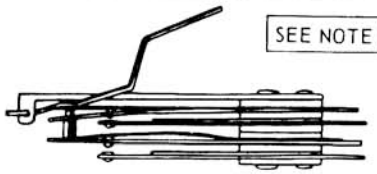
SW-100-368
ONE-DIRECTION ROLLOVER
SINGLE-MAKE

(SEE NOTE D)



SW-200-102
TWO-DIRECTION ROLLOVER
DOUBLE-MAKE

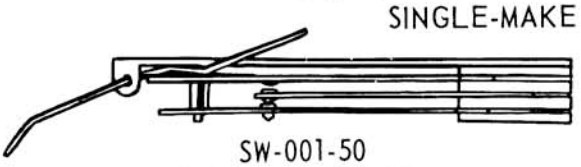
(SEE NOTE E)



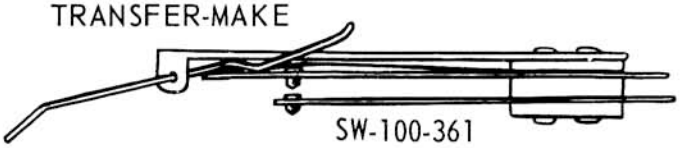
SW-200-104
ONE-DIRECTION ROLLOVER
DOUBLE-MAKE



SW-100-382
TWO-DIRECTION ROLLOVER
SINGLE-MAKE



SW-001-50
OUT-HOLE SWITCH
TRANSFER-MAKE



SW-100-361
OUT-HOLE SWITCH
SINGLE-MAKE

Tension of Rollover-Switch blades which contact Actuator should be adjusted to insure that Ball rolls over Actuator freely, without hesitating or stopping.

NOTE A
Rollover-Switches illustrated at left were used in 3-IN-LINE and earlier games* and should be replaced as indicated in NOTES B, C, D and E.

NOTE B
Replace with Bracket P-6254/Wire M-1336 or Bracket P-6254-1/Wire M-1336-1 (depending on location on playfield) and Switch SW-100-401. (SEE OPPOSITE PAGE.)

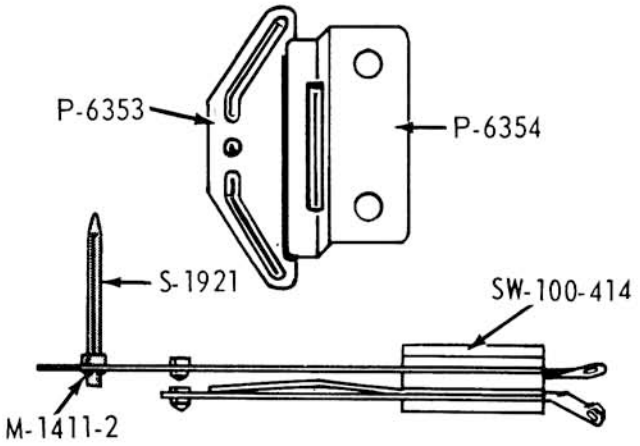
NOTE C
Replace with Bracket P-6254/Wire M-1336-2 or Bracket P-6254-1/Wire M-1336-3 (depending on location on playfield) and Switch SW-100-401. (SEE OPPOSITE PAGE.)

NOTE D
Replace with Bracket P-6254/Wire M-1336 or Bracket P-6254-1/Wire M-1336-1 (depending on location on playfield) and Switch SW-200-118. (SEE OPPOSITE PAGE.)

NOTE E
Replace with Bracket P-6254/Wire M-1336-2 or Bracket P-6254-1/Wire M-1336-3 (depending on location on playfield) and Switch SW-200-118. (SEE OPPOSITE PAGE.)

ALSO SEE NOTE A, PAGE 54

BUTTERFLY ROLLOVER

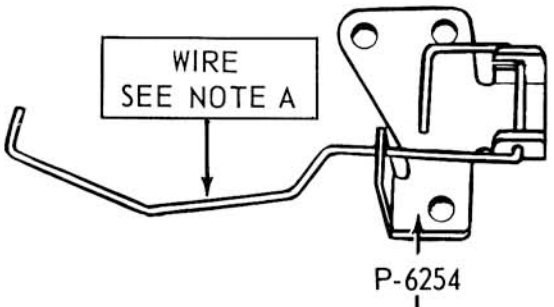


BUTTERFLY SWITCH & ROD ASSEMBLY
AS-2314

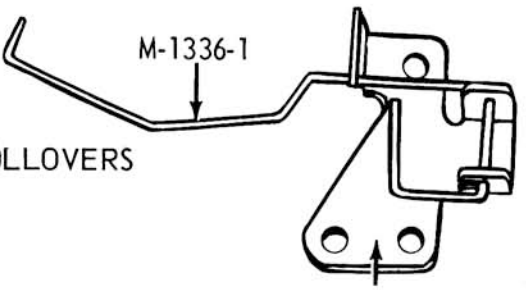
*See chronological list of games, page 7.

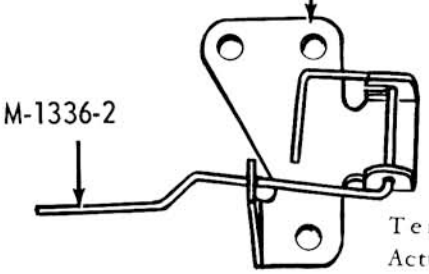
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

ROLLOVERS

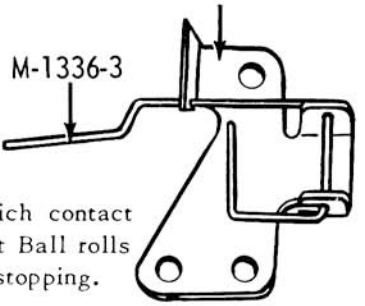


TWO-DIRECTION ROLLOVERS





ONE-DIRECTION ROLLOVERS



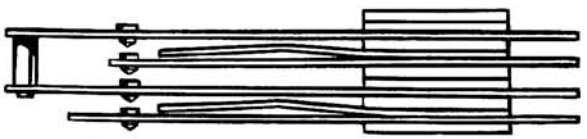
Tension of Rollover-Switch blades which contact Actuator should be adjusted to insure that Ball rolls over Actuator freely, without hesitating or stopping.



ROLLOVER SWITCH SW-100-401
SINGLE-MAKE



ROLLOVER SWITCH SW-100-461
SINGLE-MAKE



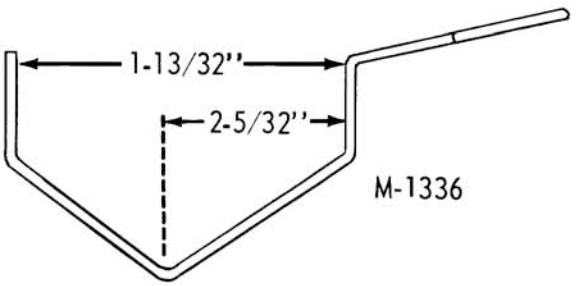
ROLLOVER SWITCH SW-200-118
DOUBLE-MAKE

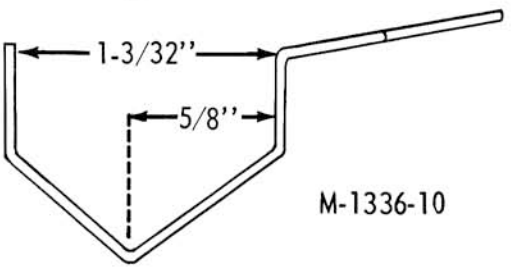


ROLLOVER SWITCH SW-M-45
DOUBLE-MAKE (MAKE BEFORE MAKE)

NOTE A

Depending on application, M-1336 or M-1336-10 may be used. Wires may be recognized by dimensional differences indicated in reduced size sketch below. M-1336 and M-1336-10 cannot be used interchangeably.

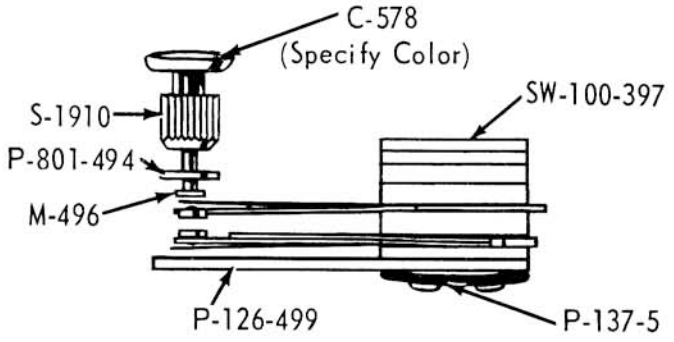




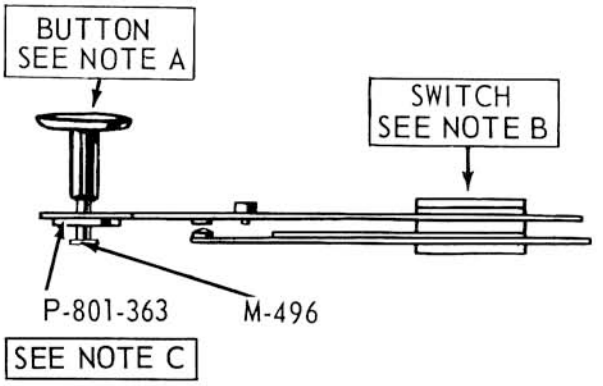
ROLLOVER BUTTONS
SEE PAGE 55

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

ROLLOVER BUTTONS

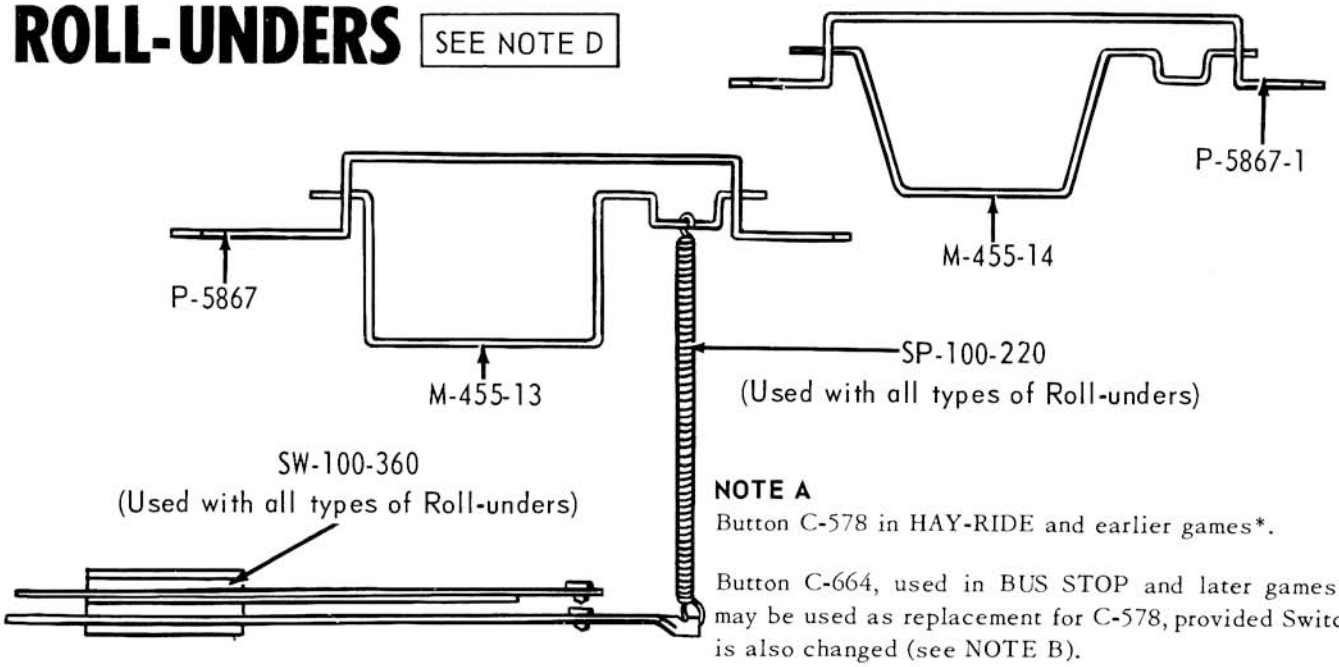


KICKER-BUTTON COMPONENTS



BUTTON-SWITCH COMPONENTS

ROLL-UNDERS SEE NOTE D



ADJUSTMENTS

Tension of switch-blade which is connected to Spring should be adjusted to insure that Ball rolls under Roll-Under without hesitating or stopping. Also check against "play" in Spring, which should be taut (but not pulling) when Roll-Under is hanging in normal position.

NOTE A
Button C-578 in HAY-RIDE and earlier games*.

Button C-664, used in BUS STOP and later games*, may be used as replacement for C-578, provided Switch is also changed (see NOTE B).

Specify color when ordering either style Button.

NOTE B
SW-100-353 in HAY-RIDE and earlier games*.

SW-100-432, used in BUS STOP and later games*, may be used as replacement for SW-100-353, provided Button is also changed (see NOTE A).

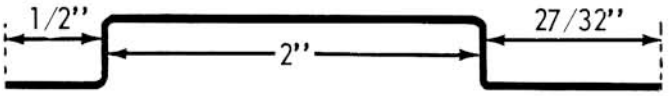
NOTE C
Washer P-801-363 is not used with Button C-664 and Switch SW-100-432.

NOTE D
Illustrations above are typical Roll-Unders. Profile views of the various Brackets and Wires associated with Roll-Unders – and Swing-Type Free-Ball Gates – appear on page 56.

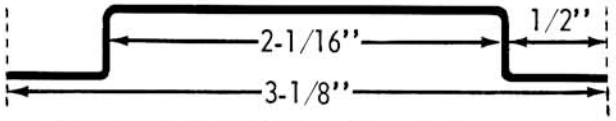
*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BRACKETS AND WIRES SEE NOTE A

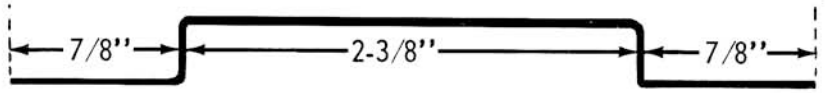


BRACKET P-5867 (Specify color)



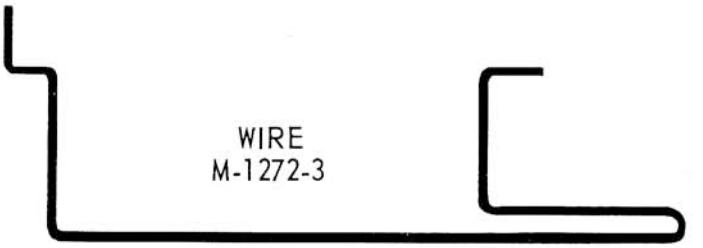
BRACKET P-5867-1 (Specify color)

BRACKET P-5867-2 SEE NOTE B

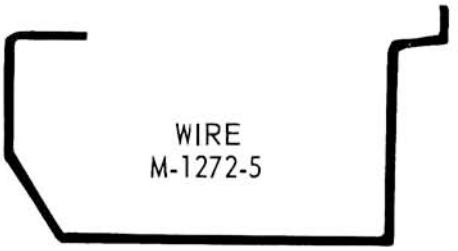


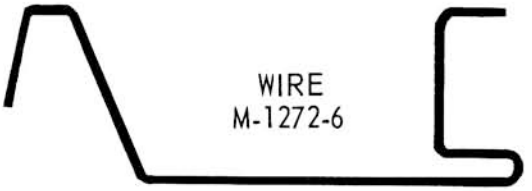
BRACKET P-5867-3 (BRIGHT CHROME)

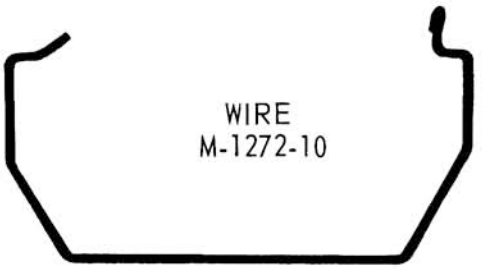
BRACKET P-5867-4 SEE NOTE C





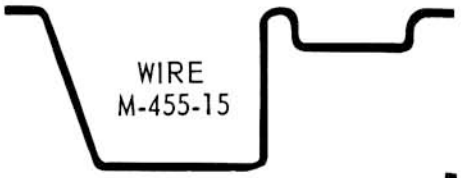


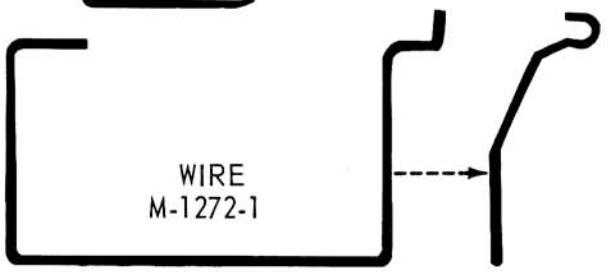


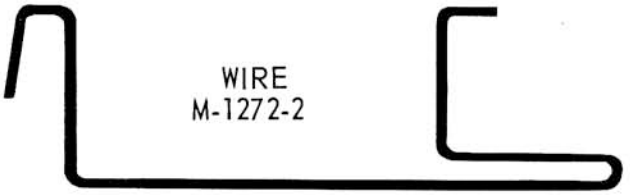












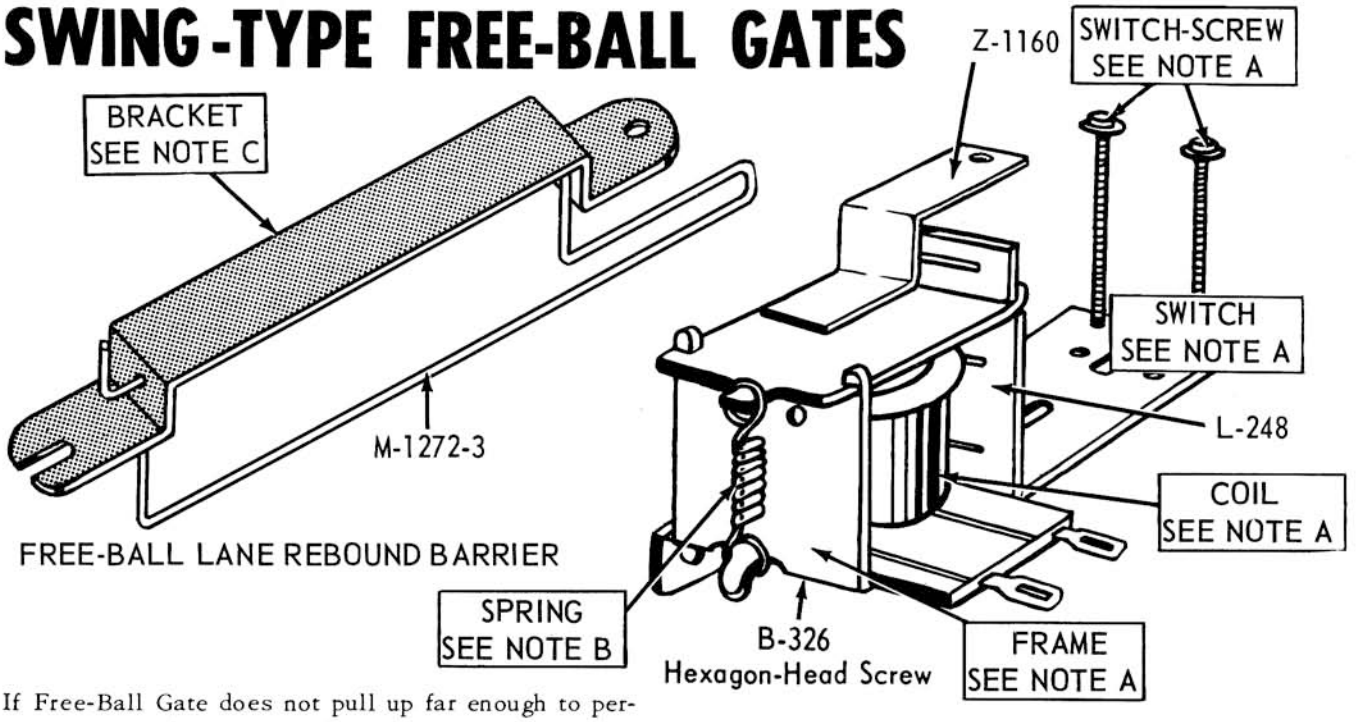
NOTE A
Profiles are approximately actual size.

NOTE B
P-5867-2 is identical to P-5867-1 in form but is Bright Chrome, instead of painted.

NOTE C
P-5867-4 is identical to P-5867-2 in finish and dimensionally but has 2 holes (instead of one) in each of the vertical surfaces.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SWING-TYPE FREE-BALL GATES



If Free-Ball Gate does not pull up far enough to permit passage of Ball, when "KK" Relay is energized, adjust position of Relay by loosening 2 Lock-Screws which secure Relay to Mounting Bracket and, pivoting Relay Frame on Lock-Screw in tapped hole, raise or lower end of Relay which is secured to Frame through adjustment slot until Relay is in position which permits Actuator to open Gate when Relay is energized.

NOTE A

If part number is not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of relay, name of game. (When ordering Switch or Switch Screw for relay with 2 switches, be sure to specify LEFT or RIGHT to indicate relative positions of switches, looked at from lug side of switches).

NOTE B

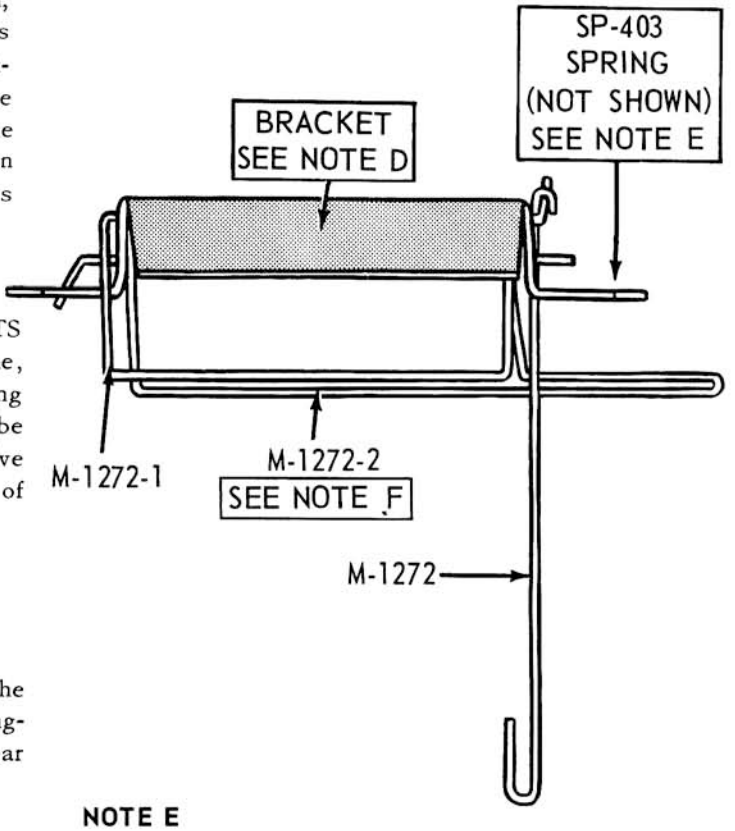
See SPRING TABLE, page 31.

NOTE C

Bracket illustrated is P-5867. Profile views of the various Brackets and Wires associated with Swing-Type Free-Ball Gates – and Roll-Unders – appear on page 56.

NOTE D

Brackets P-6000 or P-6000-1 are used, depending on application. P-6000-1 is dimensionally identical to P-6000 but is Cadmium Plated instead of Bright Chrome, and one of the 4 holes in vertical surfaces is .098. (Each of the 4 holes in vertical surfaces of P-6000 is .062.)



NOTE E

Spring SP-403 is not used in all Free-Ball Gates of type illustrated.

NOTE F

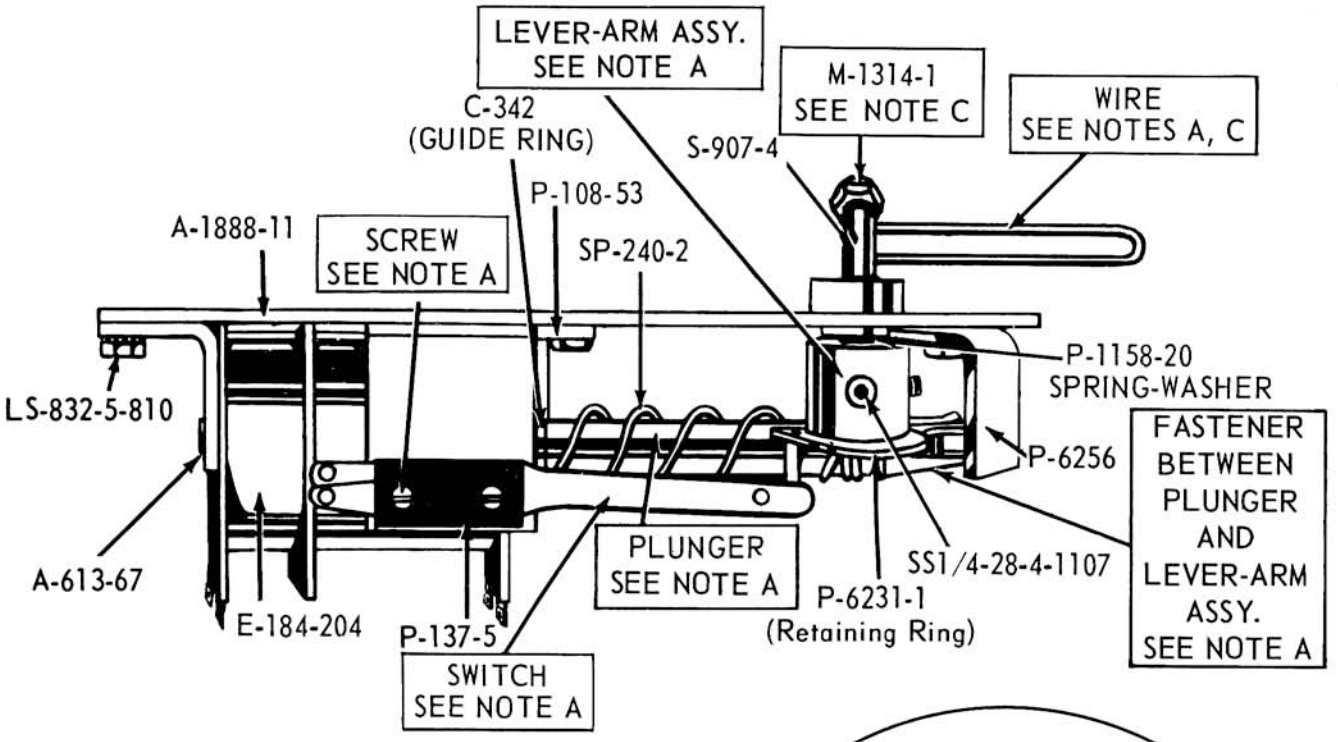
Rebound Barrier M-1272-2 is not used in all Free-Ball Gates of style illustrated.

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SWIVEL-TYPE FREE-BALL GATES

SEE NOTE A | SEE NOTE B

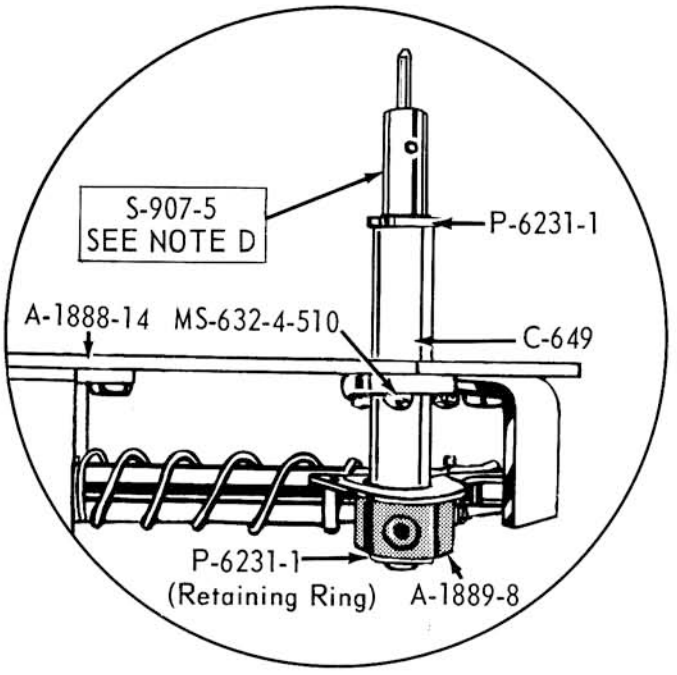


NOTE A

If part number is not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of part, name of game.

NOTE B

Gate illustrated above was used – with specific variations noted – in HAY-RIDE and earlier games*. Gate with improved features illustrated in circled partial view at right – but otherwise identical to Gate illustrated above – is used in BULLFIGHT and later games*.

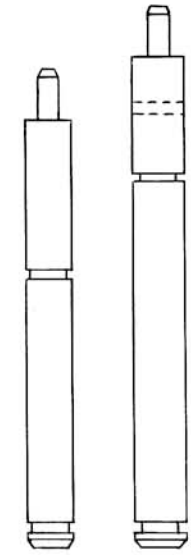


NOTE C

Not included in Gate Assy.

NOTE D

Comparative views of old and new Shafts appear at left.



S-907-4 S-907-5

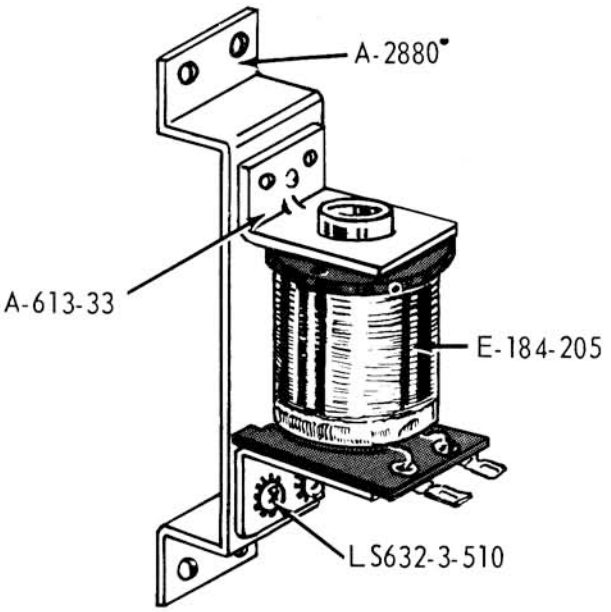
IMPORTANT!

Check SPECIFIC PARTS DATA, commencing on page 12, for possible variations, from game to game, in components illustrated.

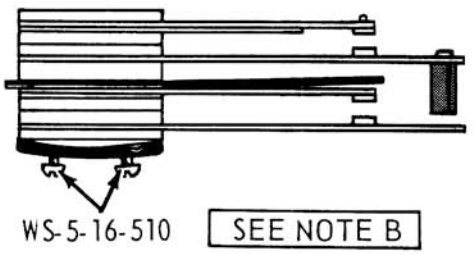
See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

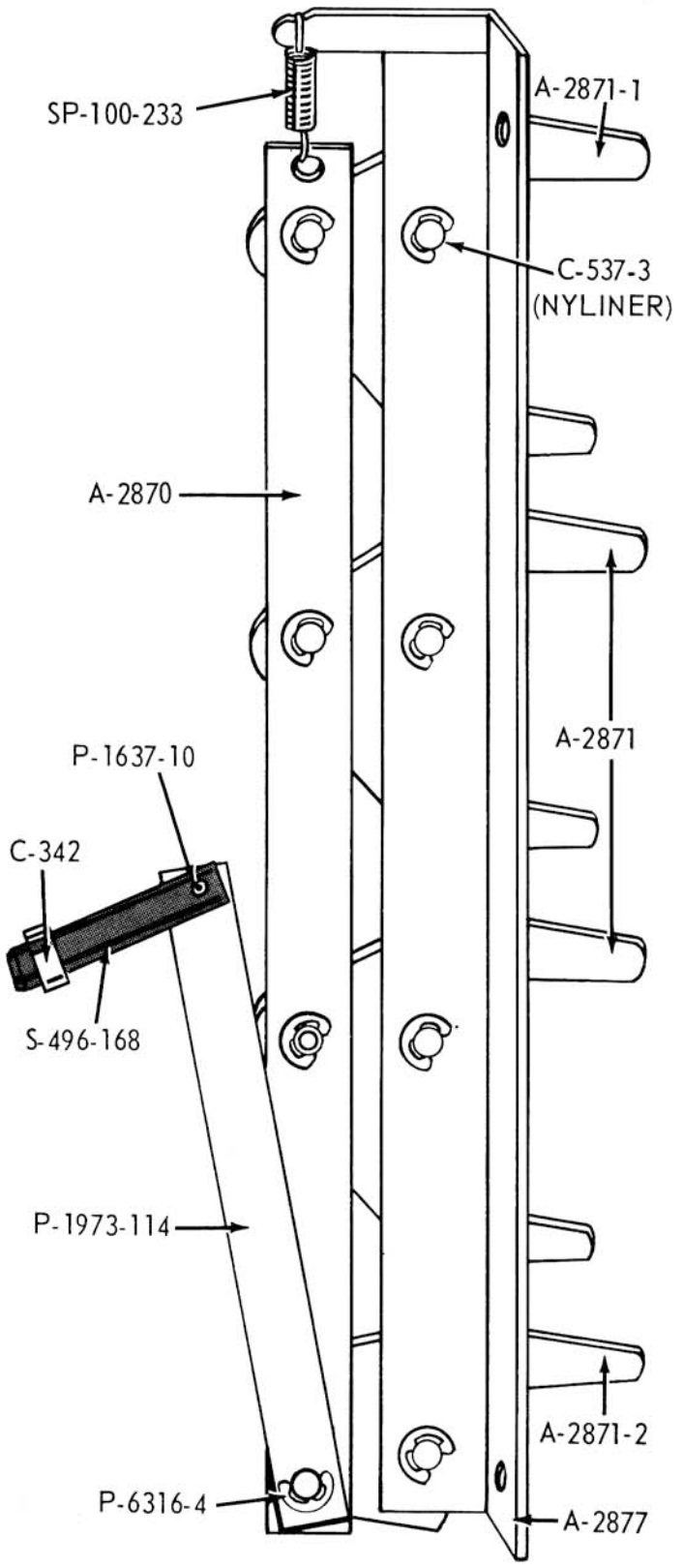
4-STEPS FREE-BALL ESCAPE ASSY. AS-2300
AND RELATED PARTS SEE NOTE A



COIL & BRACKET ASSEMBLY AS-2299



FREE BALL ESCAPE SWITCH SW-200-120



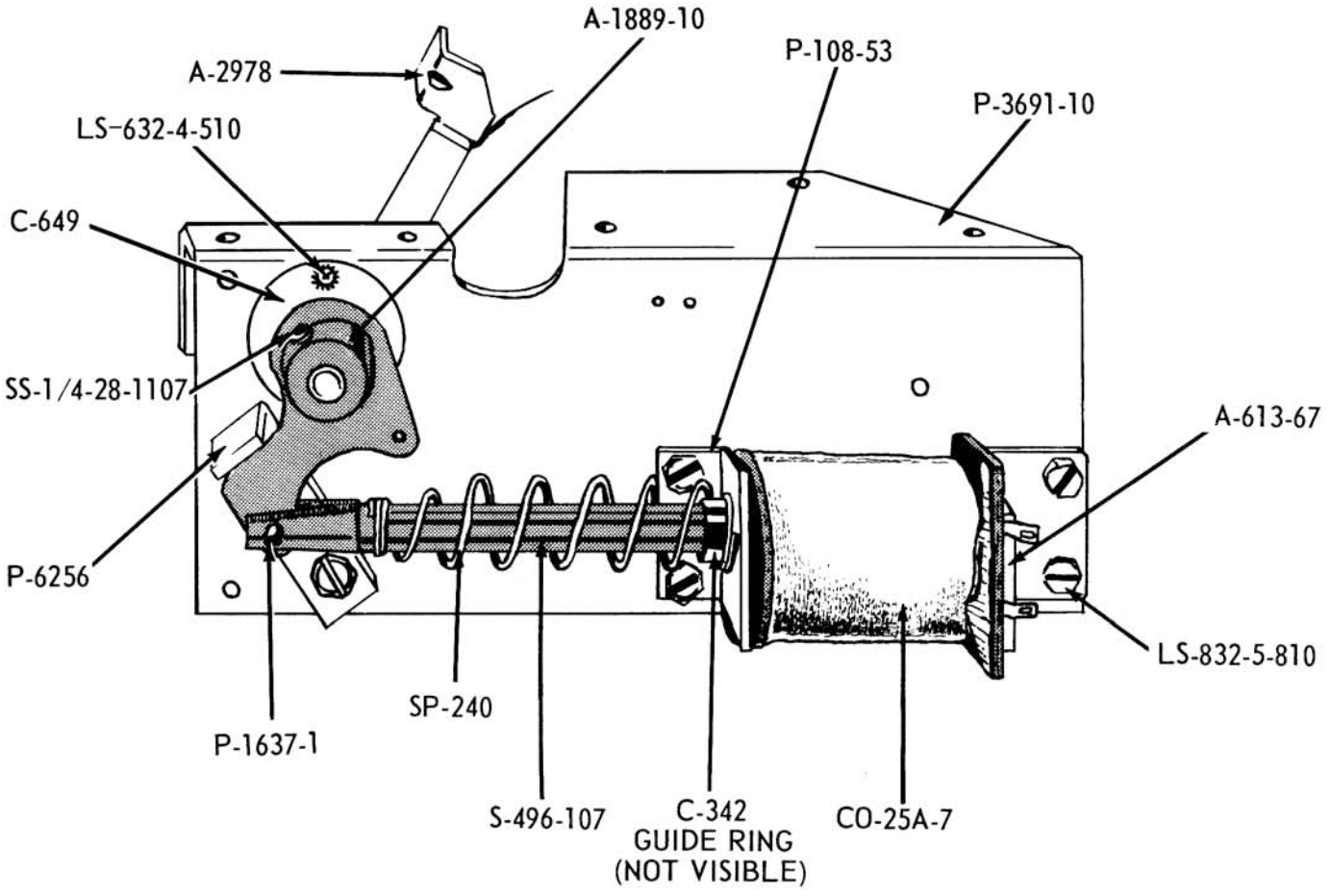
FREE BALL ESCAPE ASSY. AS-2300

NOTE A
AS-2299, AS-2300 illustrated less than actual size. SW-200-120 illustrated actual size.

NOTE B
Screws, Switch-Plate not included in SW-200-120.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

TARGET KICKER ASSY. AS-2370
AND RELATED PARTS SEE NOTE A



NOTE A

Following components, illustrated on page 54, are used with AS-2370:

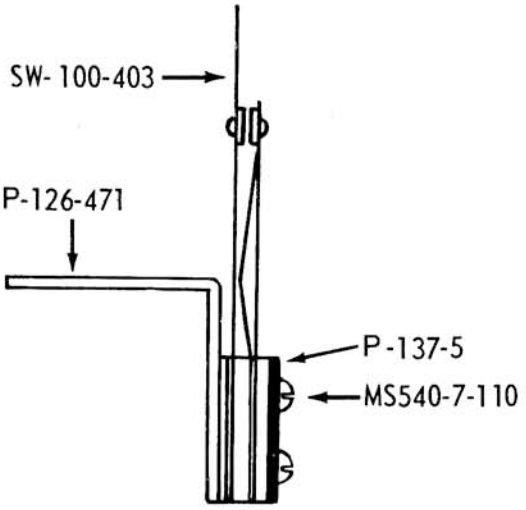
Bracket P-6254
Switch SW-200-118
Wire M-1336

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SLING-SHOT KICKER ASSYS.

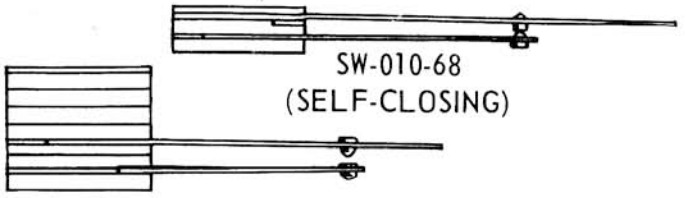
SEE NOTE A

SLING-SHOT SCORING SWITCHES

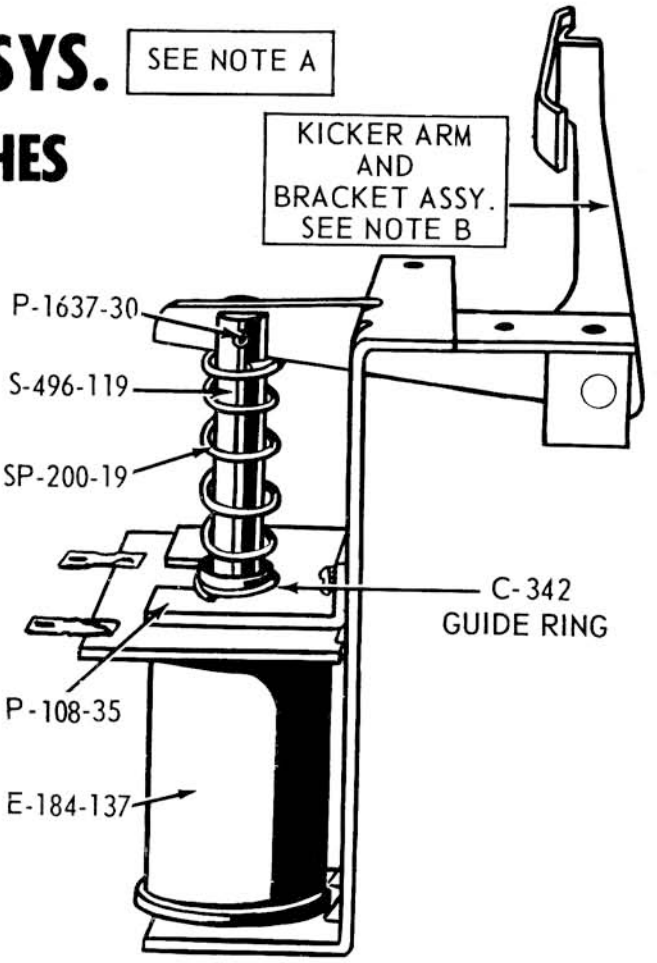


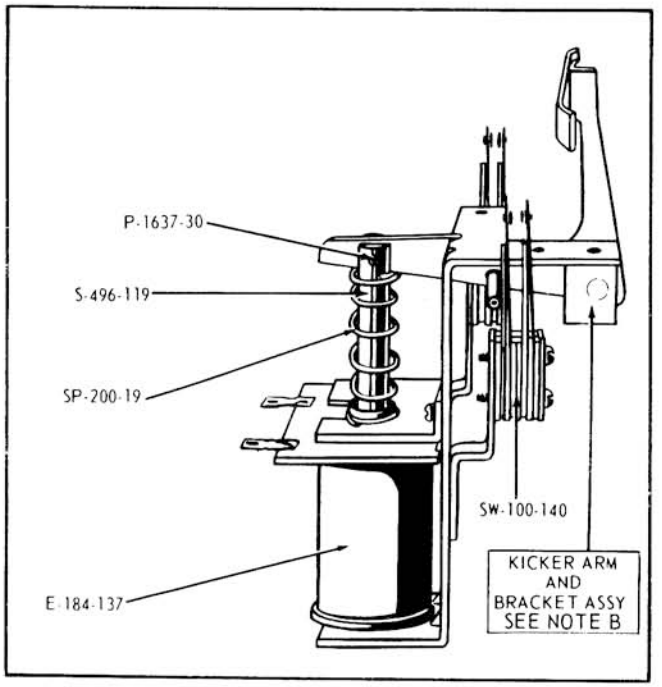
SWITCH & BRACKET ASSEMBLY
(AS-982-509)

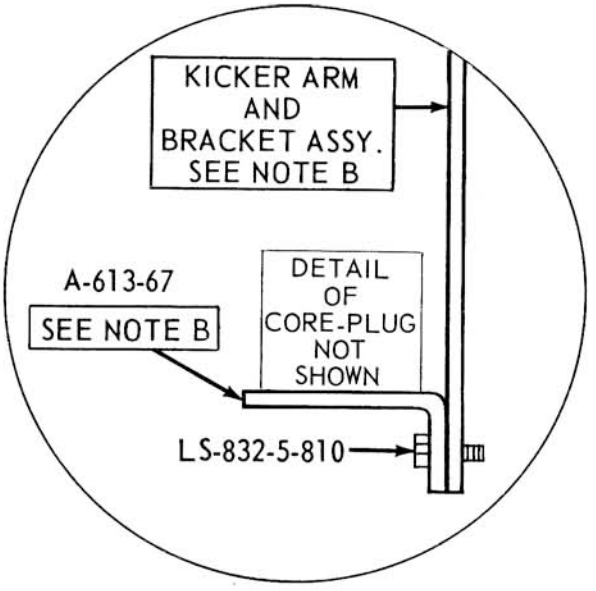
SEE NOTE C



SW-100-383
(CLOSED BY PIN)







SWITCH NOTE

When Sling-Shot Kicker is at rest, actuating blade of Switch SW-100-403 (or SW-100-140 in earlier games) should just barely touch Rubber Ring, with 1/16 in. air-gap between switch points.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

SLING-SHOT KICKER ASSYS. NOTES

NOTE A

AS-1566-3, illustrated in reduced size in square box, was used (with 2 Switch SW-100-140) in BONGO and earlier games*.

Parts for AS-1566-3 are available, but complete replacement of AS-1566-3 should be with

AS-1566-10 (SEE BELOW),

2 AS-982-509 (SEE NOTE C).

AS-1566-5 was used in HOOTENANNY in connection with Kicker-Button, illustrated on page 55.

Detail of AS-1566-5 is same as AS-1566-3 excepting

Kicker-Arm & Bracket Assy. (SEE NOTE E),

SW-100-140 (only one used)

Parts for AS-1566-5 are available, but complete replacement of AS-1566-5 should be with

AS-1566-7 (SEE BELOW),

1 AS-982-509 (SEE NOTE C).

AS-1566-6, illustrated at top of opposite page, was used in SKY DIVERS and later games* through ACES HIGH.

Detail of AS-1566-6 is same as AS-1566-3, excepting

Kicker-Arm & Bracket Assy. (SEE NOTE B),

SW-100-140 not used (SEE NOTE C).

Parts for AS-1566-6 are available, but complete replacement of AS-1566-6 should be with AS-1566-10 (SEE BELOW).

AS-1566-7 was used in SKY DIVERS and later games* in connection with Kicker-Button illustrated on page 55.

Detail of AS-1566-7 is same as AS-1566-6, excepting Kicker-Arm & Bracket Assy. (SEE NOTE B).

AS-1566-7 and parts therefor are available.

AS-1566-10 is used in DISCOTEK and later games*.

Detail of AS-1566-10 is same as AS-1566-6, excepting, as illustrated in circled partial profile of Kicker-Arm & Bracket Assy. and Core-Plug on opposite page,

Core-Plug (A-613-67) is separate Assy.,

Kicker-Arm & Bracket Assy. does not include Core-Plug.

AS-1566-11 is also used in DISCOTEK and later games*.

Detail of AS-1566-11 is same as AS-1566-10, excepting for difference in Kicker-Arm & Bracket Assy. (SEE NOTE B)

NOTE B

A-1876-2, including Core-Plug, in AS-1566-3

A-1876-4, including Core-Plug, in AS-1566-5

A-1876-5, including Core-Plug, in AS-1566-6

Recommended replacement of A-1876-5 is with

A-1876-9

A-613-67

LS-832-5-810 (2)

A-1876-6, including Core-Plug in AS-1566-7

A-1876-9 in AS-1566-10

A-1876-10 (without Switch-Pin) in AS-1566-11

Core-Plug A-613-67 used in AS-1566-10, AS-1566-11

NOTE C

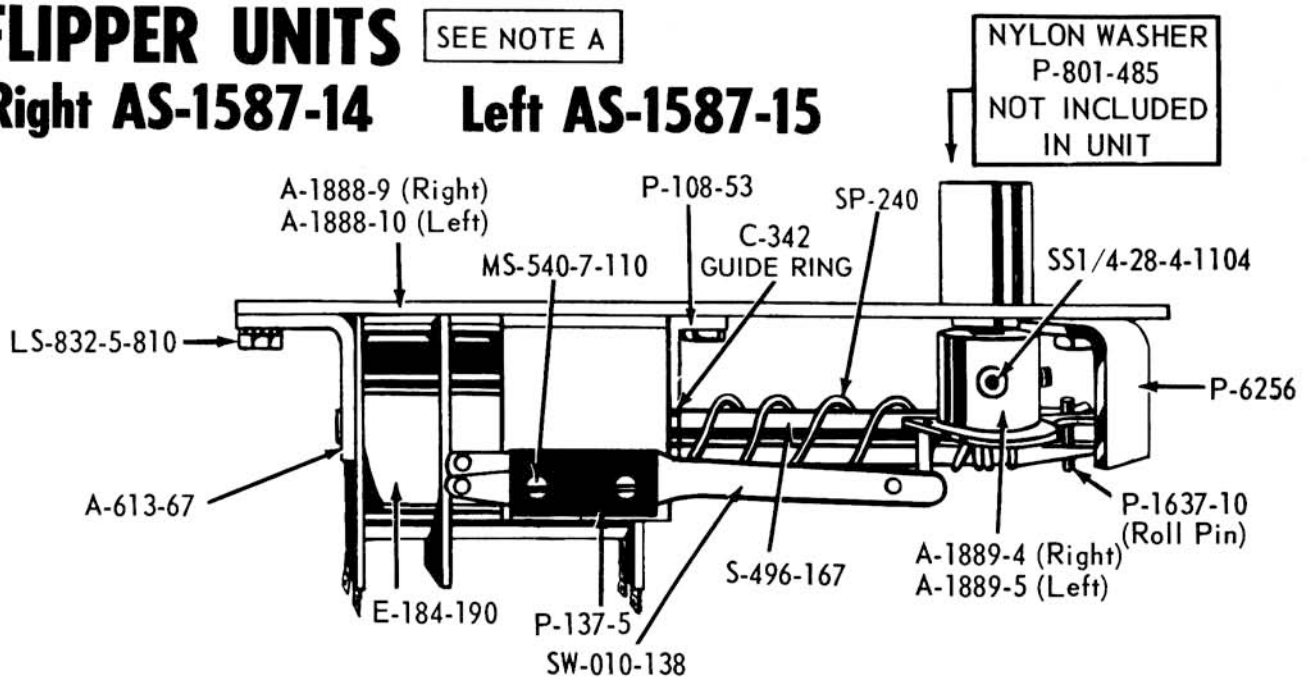
1 used with AS-1566-7

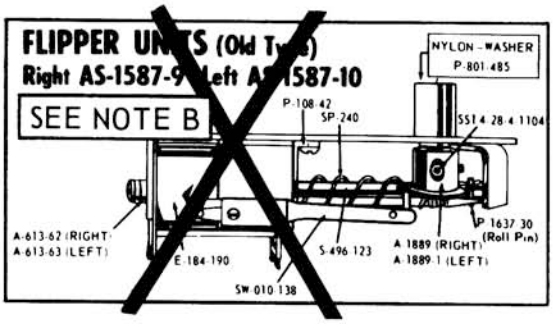
2 used with AS-1566-6, AS-1566-10, AS-1566-11

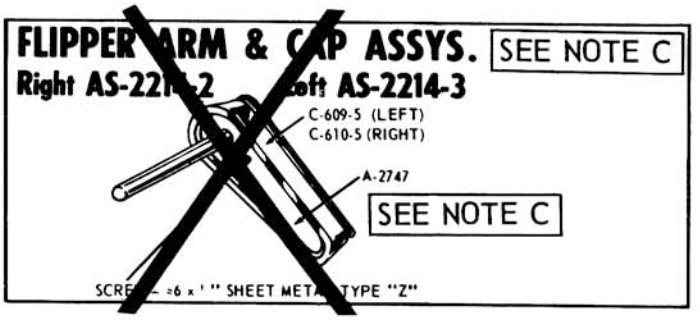
* See chronological list of games, page 7.

FLIPPER UNITS SEE NOTE A

Right AS-1587-14 Left AS-1587-15







NOTE A

AS-1587-14 and AS-1587-15, used in HOOTENANNY and later games* through BIG DAY, are not available, being replaced by Super Flipper Units illustrated on page 62-R1.

However, repair parts for AS-1587-14 and AS-1587-15 are available, or the advantages of Super Flipper Units may be incorporated into AS-1587-14 and AS-1587-15 with Special Kits described on page 62-R1.

NOTE B

AS-1587-9 and AS-1587-10, used in MOON-SHOT and later games* through 3-IN-LINE, and parts therefor are not available **(excepting Coil E-184-190, Set-Screw SS-1/4-28-4-1104, Spring SP-240, Switch SW-010-138 and Switch-Plate P-137-5, which are available).**

Repair of AS-1587-9 or AS-1587-10 which would require parts not available should be effected by replacement with Super Flipper Unit illustrated on page 62-R1, which may be purchased with or without Switch SW-010-138.

NOTE: Replacement of AS-1587-9 or AS-1587-10 with Super Flipper Unit requires

(A) Drilling of clearance holes in panel to accommodate Lockscrews LS-832-5-810;

(B) Use of Flipper Arm Assy. A-2747-1, illustrated on page 62-R1, Flipper Arm Assy. A-2747 not being adaptable to Super Flipper Unit.

NOTE C

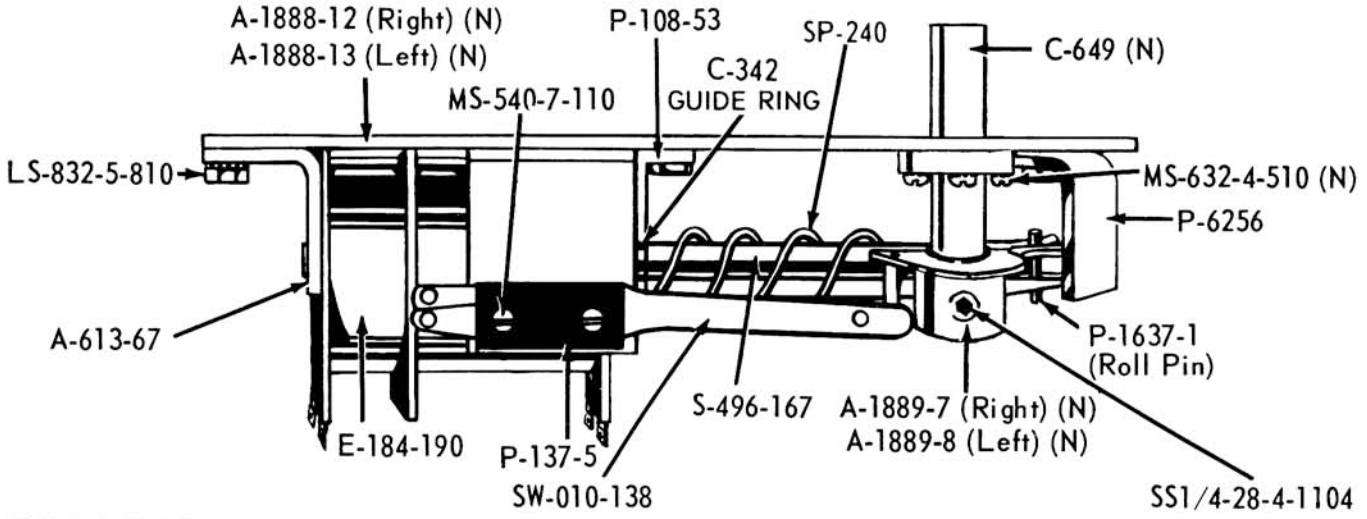
A-2747, AS-2214-2 and AS-2214-3 are not available, being replaced by A-2747-1, AS-2214-4 and AS-2214-5, which are illustrated on page 62-R1 and can be used with all Flipper and Super Flipper Units.

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

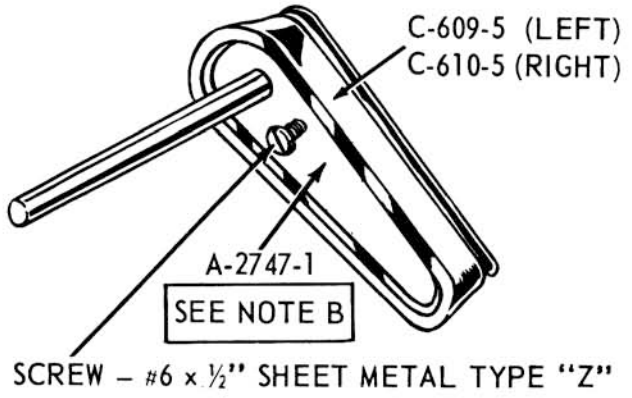
SUPER FLIPPER UNITS SEE NOTE A

Right AS-1587-19 Left AS-1587-20



FLIPPER ARM & CAP ASSYS. SEE NOTE B

Right AS-2214-5 Left AS-2214-4



Flipper Assembly AS-2214-4 and AS-2214-5 should be positioned so that edge of Flipper Cap which is closest to front-arch is parallel with adjacent slanting edge of arch. To adjust, loosen 2 Set-Screws. After proper adjustment, tighten Set-Screws as tightly as possible.

NOTE A

Standard on HARVEST and later games* and may be used as replacement for complete Flipper Units AS-1587-9 and AS-1587-10 (see NOTE B, page 61-R1) and AS-1587-14 and AS-1587-15 (see NOTE A, page 61-R1).

NOTE B

Standard on HARVEST and later games* and supplied as replacement for A-2747, AS-2214-2, AS-2214-3 in all games. (Caps C-609-5 and C-610-5, as well as #6 x 1/2 in. Type "Z" Sheet Metal Screw, can be used with either AS-2747 or AS-2747-1.)

*See chronological list of games, page 7.

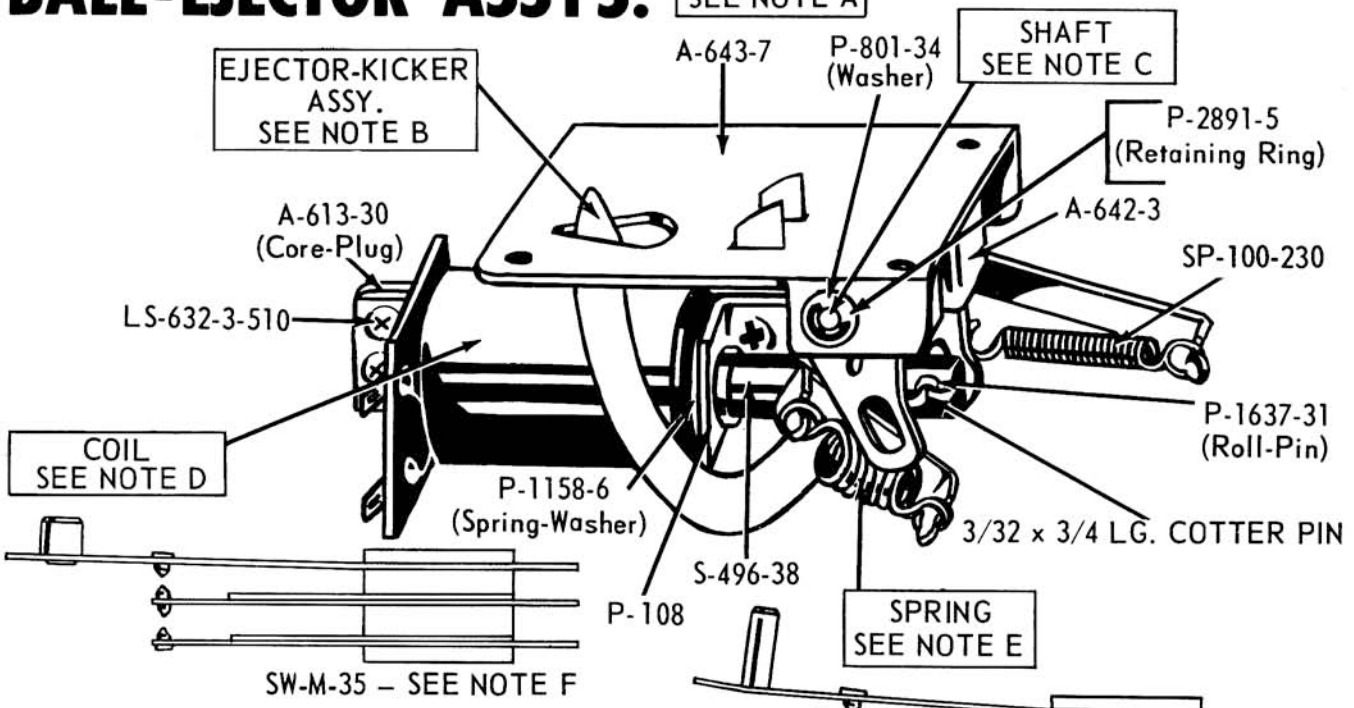
SPECIAL KITS

K-266 (Converts A-1587-14 to A-1587-19)
Consists of
- K-266-1, sub-assembly, consisting of
  - C-649 assembled to
  - A-1888-12 by means of 3
  - MS-632-4-510;
- A-1889-7;
- A-2747-1;
- P-1637-1.

K-267 (Converts A-1587-15 to A-1587-20)
Consists of
- K-267-1, sub-assembly, consisting of
  - C-649 assembled to
  - A-1888-13 by means of 3
  - MS-632-4-510;
- A-1889-8;
- A-2747-1
- P-1637-1

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BALL-EJECTOR ASSYS. SEE NOTE A



NOTE A

AS-428-14 in STAR-JET.

AS-428-18 in BUS STOP.

AS-428-19 in TRIO and later games* with Ball-Ejector in playing area of playfield.

Total replacement of AS-428-14 or AS-428-18, if required, should be with AS-428-19.

ALSO SEE AUTOMATIC BALL RETURN, PAGE 45.

NOTE B

A-642-4 in AS-428-14.

A-642-5 in AS-428-18, AS-428-19.

Replacement of A-642-4 should be with A-642-5.

NOTE C

S-739-144 in AS-428-14.

S-181-48 in AS-428-18, AS-428-19.

See comparative illustrations at right.

Replacement of S-739-44 should be with S-181-48. (3 P-2851-5 are required with S-181-48.)

NOTE D

E-184-207 in AS-428-14.

E-184-213 in AS-428-18.

CO-25A-7 in AS-428-19.

CO-25A-7 is recommended replacement for E-184-207 or E-184-213.

NOTE E

SP-199-11 in AS-428-14, AS-428-19.

SP-199-25 in AS-428-18.

SP-199-11 is recommended replacement for SP-199-25.

NOTE F

SW-M-35 with AS-428-14.

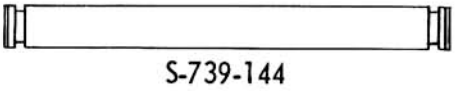
NOTE G

SW-M-44 with AS-428-18

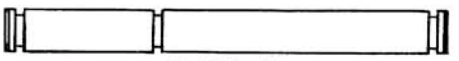
SW-100-188 with AS-428-19 in GOLD RUSH

NOTE H

SW-200-119 with AS-428-19 in TRIO.



S-739-144



S-181-48

*See chronological list of games, page 7.

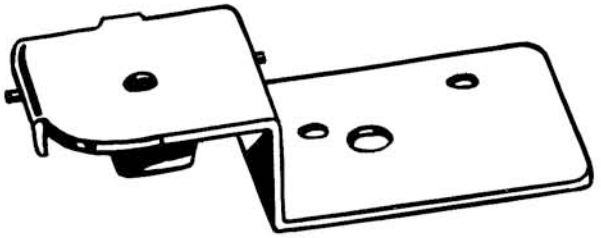
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

PLAYFIELD-PANEL, MISCELLANEOUS PARTS

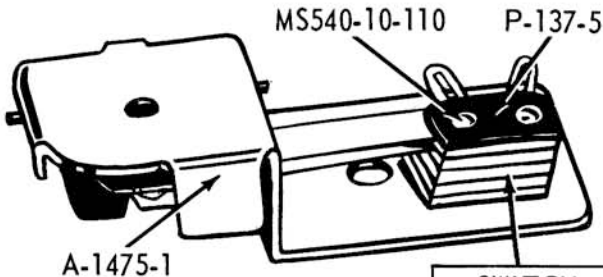
ARCH and related parts

Order by description, specify name of game

BALL-GATE ASSYS.

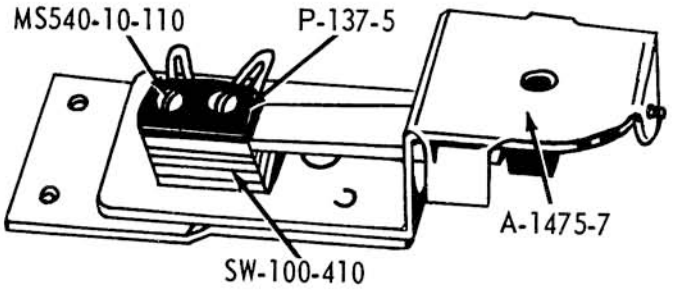


BALL-GATE ASSY., SEE NOTE A



BALL-GATE &SWITCH ASSY., SEE NOTE C

COVER: SEE NOTE D



BALL-GATE & SWITCH ASSY. (AS-1315-3)

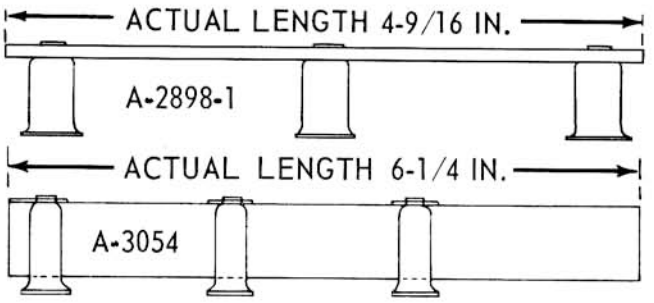
COVER FOR AS-1315-3: P-2996-2

SUPPORT BUSHING FOR AS-1315-3: S-231-669

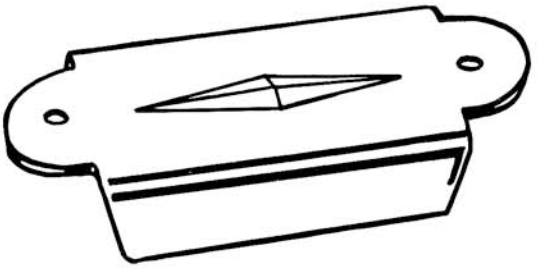
CARDS, Instructions and Scores

Order by part number printed on each card

GUIDE-RAIL ASSY.



GUIDE-RAILS, PLASTIC



(WITH 2 VERTICAL WALLS)

1-1/2 in. between hole centers: C-693
Specify Color

2-1/8 in. between hole centers: C-695
Specify Color

(WITH 1 VERTICAL WALL)

1-1/2 in. between hole centers: C-694
Specify Color

2-1/8 in. between hole centers: C-696
Specify Color

NOTE A

Gate Assys. for RIGHT side of Arch are A-1475-3 in BONGO and earlier games*, A-1475-5 in GRAND TOUR and later games* Gate Assy. for LEFT side of Arch is A-1475-4.

NOTE B

SW-010-26 (NORMALLY CLOSED) in AS-1315.
SW-100-400 (NORMALLY OPEN) in AS-1315-4.

NOTE C

Ball-Gate & Switch Assys. AS-1315 and AS-1315-4 are identical, excepting Switches, listed in NOTE B.

NOTE D

Cover for both AS-1315 and AS-1315-4 is P-2996-1

*See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

PLAYFIELD-PANEL, MISCELLANEOUS PARTS

GUIDE-RAILS, WIRE



HEIGHT: 1-25/32 in.
LENGTH: 3-1/2 in. M-121-6
HEIGHT: 15/16 in.
LENGTH: 1-1/2 in. M-121-3
1-15/16 in. M-121-4
3 in. M-121-9
3 in. (radial form) M-121-8
3-1/2 in. M-121-5
4 in. M-121-7
4-1/2 in. M-121-10

LAMPS SEE PAGE 67

LAMP-SHIELD

(C-615)
(Specify Color)



LAMP-SOCKETS SEE PAGE 49

LATCH-RAILS Playfield-Panel

SEE NOTE A

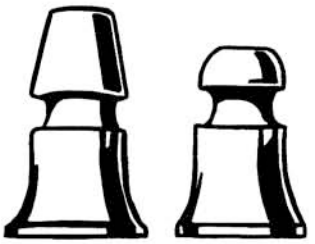
PLASTIC SHIELDS SEE NOTE B

BONGO	M-1330-1
CROSS COUNTRY	M-781-50
CUE-TEASE	M-781-60
HOOTENANNY	M-1330-2
MONTE CARLO	M-1330-4
MOON-SHOT	M-781-40
STAR-JET	M-1330-3
3-IN-LINE	M-1330

POSTS



METAL M-1337



PLASTIC
LONG (C-119-15) SHORT (C-119-2)
(Specify Color)



TRIANGLE (C-117)
(Specify Color)



DIAMOND (C-121)
Specify Color

REBOUND ASSYS. SEE PAGE 66

REBOUND COVERS SEE PAGE 66

RUBBER BUMPER



R-400

RUBBER RINGS SEE PAGE 66

NOTE A

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order part by name, specifying name of unit, name of game.

NOTE B

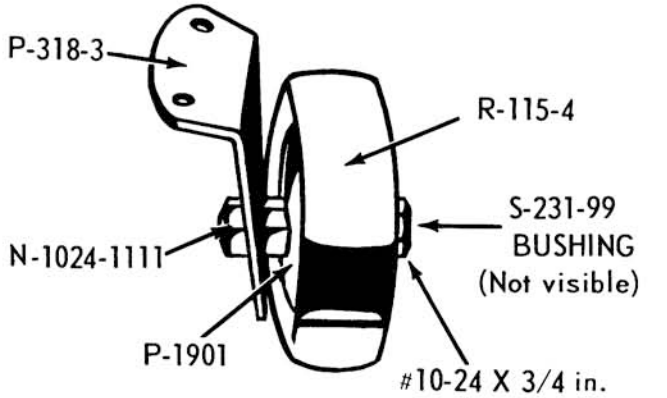
Each part number listed indicates one complete set, Plastic Shields being supplied only in complete sets. Sets of Plastic Shields for SKY DIVERS and later games* are listed in Specific Parts Data for each game, commencing on page 16, or may be ordered by name of game.

*See chronological list of games, page 7.

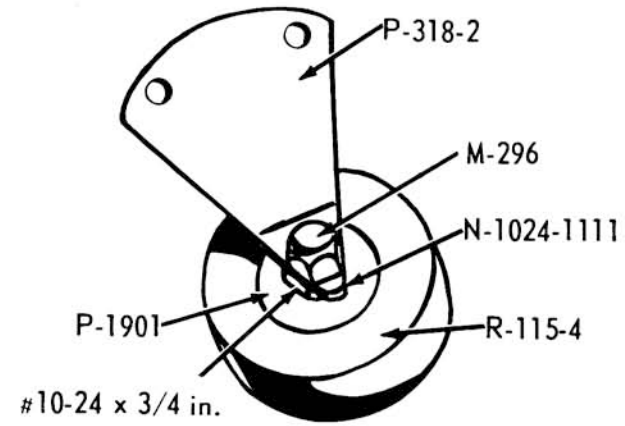
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

PLAYFIELD-PANEL, MISCELLANEOUS PARTS

REBOUND ASSYS.



REBOUND ASSEMBLY (AS-493-3)
HOOTENANNY and later games*



REBOUND ASSEMBLY (AS-493-2)
3-IN-LINE and earlier games*

*See chronological list of games, page 7.

REBOUND COVERS

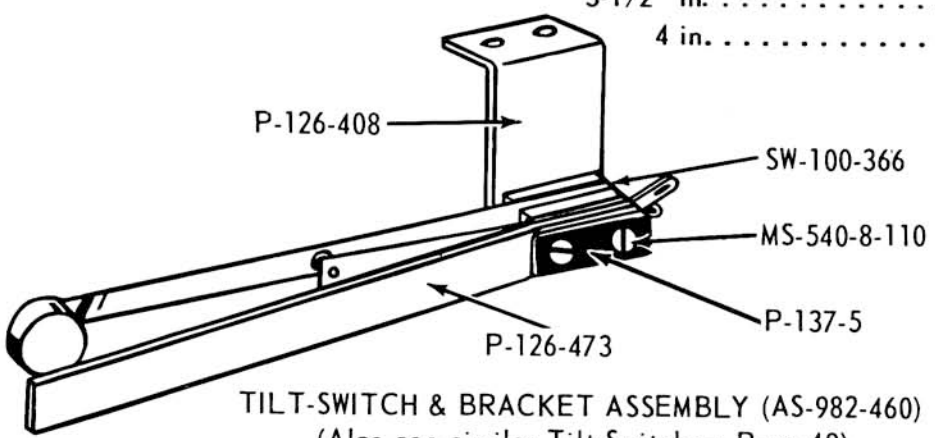
(BRIGHT CHROME)
WIDTH: 3/4 in.
BETWEEN HOLE CENTERS
- 6 in. P-5899
- 6-1/4 in. P-5899-17
- 6-15/32 in. P-5899-14

WIDTH: 5/8 in.
BETWEEN HOLE CENTERS
- 1-1/8 in. P-5899-12
- 1-1/4 in. P-5899-19
- 1-1/2 in. P-5899-9
- 1-13/16 in. P-5899-5
- 2-1/16 in. P-5899-2
- 2-1/8 in. P-5899-8
- 2-1/2 in. P-5899-11
- 2-11/16 in. P-5899-16
- 2-7/8 in. P-5899-6
- 3-3/32 in. P-5899-3
- 3-1/8 in. P-5899-13
- 3-1/2 in. P-5899-7
- 3-9/16 in. P-5899-1
- 3-23/32 in. P-5899-4
- 4-1/2 in. P-5899-10

RUBBER RINGS

(DIMENSIONS ARE INSIDE DIAMETERS)

- 5/16 in. R-243
- 15/32 in. R-392
- 3/4 in. R-137
- 1 in. R-135
- 1-1/2 in. R-141
- 2 in. R-196
- 2-1/2 in. R-284-5
- 3 in. R-295-5
- 3-1/2 in. R-296-5
- 4 in. R-385-5



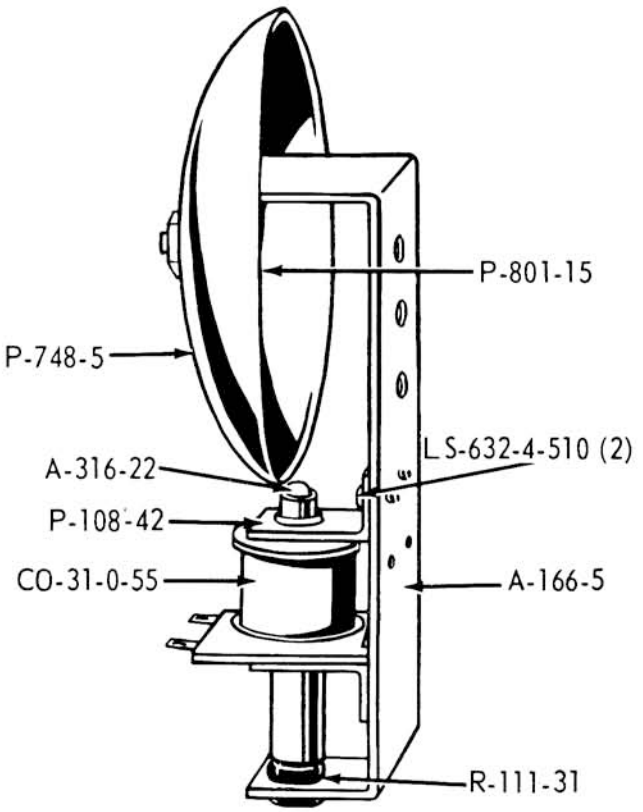
TILT-SWITCH & BRACKET ASSEMBLY (AS-982-460)
(Also see similar Tilt-Switch on Page 49)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

BACK CABINET, MISCELLANEOUS PARTS

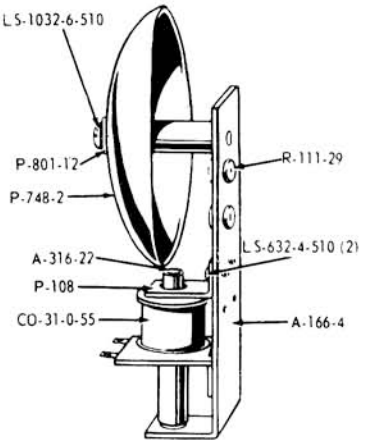
GONG ASSY. (AS-385-6)

MONTE CARLO and later games***



GONG ASSY. (AS-385-5)

STAR-JET and earlier games***



* With steel door-retainer. Early model GRAND TOUR with door-groove in wood use P-6230-3.

** With steel door-retainer. Early model MAD WORLD with door-groove in wood use P-6230-2.

*** See chronological list of games, page 7.

Back-Door (Steel) . . . . . SEE NOTE A
Backglass . . . . . SEE NOTES B,C
Bracket Assy. (Gang Mount) . . . A-2249-19
Cover, Replay Counter P-6123
Glass-Retainer
  Single-Player Game
    Bottom P-6242-6
    Top P-6242-7
  Multiple-Players Game
    Bottom P-6242-3
    Top P-6242-4
Single-Player or Multiple-Players Game
  Side, Left or Right P-6242-5
Gong
(SEE ILLUSTRATIONS AT LEFT)
Lamp, No. 44 . . . . . E-125-22
Lamp, No. 47 . . . . . E-125-2
Lamp, No. 55 . . . . . E-125-5
Lamp, Flashing E-125-44
Latch, Glass-Retainer P-6243-2
Lock &Keys . . . . . SEE NOTE D
Lock-Cam, Back-Door P-758-17
Screw, Latch WS-8-8-510
Support Channel P-6629-9
Unit Brace (Replay Counter) . . . P-6255-8
Washer, Latch PW-8-10

NOTE A

Single-Player Games
  HOOTENANNY P-6230-1
  MONTE CARLO P-6230-3
  GRAND TOUR* and later games*** . . P-6230-4*
Multiple-Players Games
  3-IN-LINE P-6230
  STAR-JET, BONGO P-6230-2
  MAD WORLD** and later games*** . . P-6230-5

NOTE B

If part number not listed in SPECIFIC PARTS DATA, commencing on page 8, order Backglass and specify name of game.

NOTE C

Backglass may be ordered, at extra charge, assembled with proper Glass-Retainers listed above.

NOTE D

Either M-281-22 or M-281-43 may be used, and the factory reserves the right to supply either Lock & Keys, as available.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

INTERNATIONAL COIN-MECHANISM DATA

Listed alphabetically by nation

Parts listed in following pages are specialized to particular coins of listed nations. Coin-handling components common to all coins appear on pages 47 through 48A.

IMPORTANT NOTICE

Components enclosed in (parentheses) are applicable to TRIO-Add-A-Ball Model and earlier games*. Components not so enclosed are applicable to BLUE RIBBON and later games. Components listed in **bold face type** are applicable to all games.

COIN-SWITCH ASSYS.,

TRIO ADD-A-BALL MODEL AND EARLIER GAMES*

In the following pages are listed (enclosed in parentheses) the proper Coin-Switch Assys. for each national coin used in TRIO Add-A-Ball Model and earlier games*. Other components which vary with coin variations may be determined by (a) first determining the proper Coin-Switch Assy., (b) then noting the corresponding variable components in the table directly below.

(COIN-SWITCH ASSY.)	(ROTOR ASSY.)	(ROTOR SPRING)	(SWITCH)	(SWITCH WIRE)
AS-1698-2	AS-1699-1	SP-447-1	–	–
AS-1698-3	AS-1699-2	SP-447-2	–	–
AS-1698-11	–	–	E-108-87	M-666-11
AS-1698-12	–	–	E-108-88	M-666-12

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO.

INTERNATIONAL COIN-MECHANISM DATA

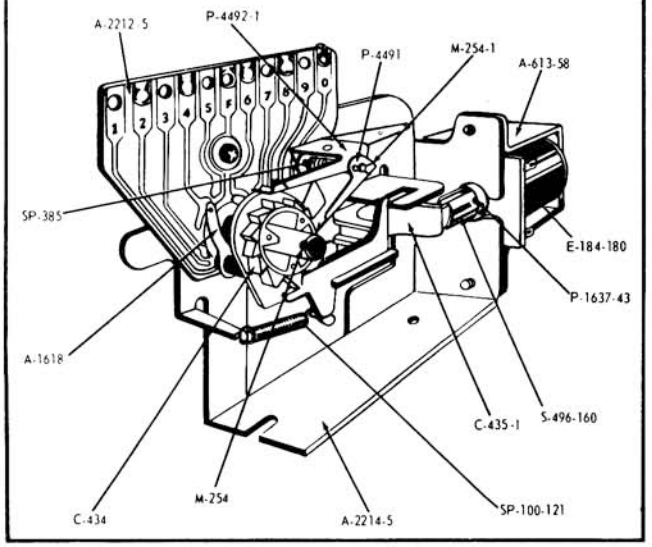
DESCRIPTION	PART NO.
AUSTRALIA	
See United Kingdom, 6 d., excepting	
Slug-Rejector	M-1400-7
AUSTRIA	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate) (Specify Coin)	
1S	P-6350-4
Coin-Entry Assy. (Specify Coin)	
1S	A-3053-11
5S	A-3053-6
10S	A-3053-7
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
1S	P-6431-1
5S	P-6431-3
10S	P-6431-6
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
1S	AS-1698-2
MICRO-SWITCH TYPE	
1S	AS-1698-12
Slug-Rejector	
1S	M-1400-36
5S	M-1400-39
10S	M-1400-40
BELGIUM	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate) (Specify Coin)	
1Fr.	P-6350-8
Coin-Entry Assy. (Specify Coin)	
1 Fr.	A-3053-8
5 Fr.	A-3053-9
Coin-Guide	
Either Coin	P-6694
Coin-Guide Spacer	
1 Fr.	P-6431-1
5 Fr.	P-6431-3
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
1 Fr.	AS-1698-3
MICRO-SWITCH TYPE	
1 Fr.	AS-1698-11
Slug-Rejector	
1 Fr.	M-1400-9
5 Fr.	M-1400-10

DESCRIPTION	PART NO.
CANADA	
See United States	
CYPRUS	
(Coin-Entry Plate) (Specify Coin)	
25 Mils	P-6350-3
50 Mils	P-6350-4
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
25 Mils	AS-1698-3
50 Mils	AS-1698-2
MICRO-SWITCH TYPE	
25 Mils	AS-1698-11
50 Mils	AS-1698-12
Slug-Rejector	
25 Mils	M-1400-3
50 Mils	M-1400-4
DENMARK	
(Coin-Entry Plate)	
25 øre	P-6350-6
1 Kr	P-6350-13
Coin-Entry Assy. (Specify Coin)	
25 øre	A-3053-6
1 Kr	A-3053-13
Coin-Guide	
Either Coin	P-6694
Coin-Guide Spacer	
25 øre	P-6431-3
1 Kr	P-6431-5
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
Either coin	A-1698-2
MICRO-SWITCH TYPE	
Either Coin	A-1698-12
Slug-Rejector	
25 øre	M-1400-31
1 Kr	M-1400-32

WHEN ORDERING PART, SPECIFY PART NO.

INTERNATIONAL COIN-MECHANISM DATA

ALTERNATOR UNIT SEE NOTE A



NOTE A

In WILD WHEELS and earlier games*
- Alternator Assy. (Illustrated). . . **AS-1900-40**

In SIX STICKS and later games*
- Alternator Assy. **AS-1900-85**
- Similar to AS-1900-40, excepting
  - Base-Plate Assy. **A-2214-16**
  - Contact-Plate (NOT USED)
  - Core-Plug Assy. **A-613-68**
  - Drive Pawl Assy. **AS-2293-2**
    - Drive Pawl **C-435-1**
    - Plunger **S-496-160**
    - Roll-Pin **P-1637-43**
  - Ratchet **C-434-2**
  - Rocker Arm Assy. **A-1616-1**
  - Stop-Plate **P-5222-1**
  - Switch **SW-100-444**
  - Wiper Assy. (NOT USED)

DESCRIPTION	PART NO.
FINLAND	
(Coin-Entry Plate) (Specify Coin)	
20 p.	**P-6350-11**
50 p.	**P-6350-9**
Coin-Entry Assy. (Specify Coin)	
20 p.	**A-3053-11**
50 p.	**A-3053-9**
Coin-Guide	
Either coin	**P-6694**
Coin-Guide Spacer	
20 p.	**P-6431-1**
50 p.	**P-6431-5**
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
20 p.	**AS-1698-3**
50 p.	**AS-1698-2**
MICRO-SWITCH TYPE	
20 p.	**AS-1698-11**
50 p.	**AS-1698-12**
Slug-Rejector	
20 p.	**M-1400-24**
50 p.	**M-1400-25**
FRANCE	
(Coin-Entry Plate, 20 Fr.) (Specify Coin)	**P-6350-6**
Coin Entry Assy., 20 Fr. (Specify Coin)	**A-3053-6**
Coin-Guide, 20 Fr.	**P-6694**
Coin-Guide Spacer, 20 Fr.	**P-6431-3**
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE, 20 Fr.	**A-1698-2**
MICRO-SWITCH TYPE, 20 Fr.	**A-1698-12**
Slug-Rejector, 20 Fr.	**M-1400-6**

* See chronological list of games, page 7.

WHEN ORDERING PART, SPECIFY PART NO.

INTERNATIONAL COIN-MECHANISM DATA

DESCRIPTION	PART NO.
GERMANY	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate)	
10 Pf.	P-6350-15
50 Pf.	P-6350-16
Coin-Entry Assy.	
10 Pf.	A-3053-15
50 Pf.	A-3053-16
1 DM.	A-3053-30
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
10 Pf.	P-6431-1
50 Pf.	P-6431-4
1 DM.	P-6431-3
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
10 Pf.	AS-1698-3
50 Pf.	AS-1698-3
MICRO-SWITCH TYPE	
10 Pf.	AS-1698-11
50 Pf.	AS-1698-11
Slug-Rejector	
10 Pf.	M-1400-17
50 Pf.	M-1400-18
1 DM.	M-1400-19
GREECE	
(Coin-Plate Assy.)(Specify Coin)	
1 Dr.	P-6350-8
2 Dr.	P-6350-9
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
1 Dr.	AS-1698-3
2 Dr.	AS-1698-2
MICRO-SWITCH TYPE	
1 Dr.	AS-1698-11
2 Dr.	AS-1698-12
Slug-Rejector	
1 Dr.	M-1400-13
2 Dr.	M-1400-30

DESCRIPTION	PART NO.
ITALY	
(Coin-Entry Plate)(Specify Coin)	
L. 50	P-6350-9
L. 100	P-6350-7
(Coin-Entry Assy.)(Specify Coin)	
L. 50	A-3053-9
L. 100	A-3053-7
Coin-Guide	
Either coin	P-6694
Coin-Guide Spacer	
L. 50	P-6431-5
L. 100	NOT USED
Slug-Rejector	
L. 50	M-1400-15
L. 100	M-1400-16
JAPAN	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate)(Specify Coin)	
10 Y.	P-6350-6
50 Y.	P-6350-9
Coin Entry Assy. (Specify Coin)	
10 Y.	A-3053-6
50 Y.	A-3053-9
100 Y.	A-3053-11
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
10 Y.	P-6431-3
50 Y.	P-6431-5
100 Y.	P-6431-1
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
10 Y.	AS-1698-2
50 Y.	AS-1698-2
MICRO-SWITCH TYPE	
10 Y.	AS-1698-12
50 Y.	AS-1698-12
Slug-Rejector	
10Y	M-1400-33
50Y	M-1400-34
100Y	M-1400-38

WHEN ORDERING PART, SPECIFY PART NO.

INTERNATIONAL COIN-MECHANISM DATA

DESCRIPTION	PART NO.
NETHERLANDS	
(Coin-Entry Plate, 10 cent.)	P-6350-12
Coin-Entry Assy.(Specify Coin)	
10 cent.	A-3053-12
25 cent.	A-3053-5
Coin-Guide	
10 cent.	P-6694-2
25 cent.	P-6694
Coin-Guide Spacer	
10 cent.	P-6431-7
25 cent.	P-6431-4
(Coin-Switch Assy., 10 cent)	
BLADE-SWITCH TYPE	AS-1698-3
MICRO-SWITCH TYPE	AS-1698-11
Slug-Rejector	
10 cent.	M-1400-29
25 cent.	M-1400-78
NORWAY	
(Coin-Entry Plate, 50 øre)(Specify Coin)	P-6350-8
Coin-Entry Assy., 50 øre)(Specify Coin)	A-3053-8
Coin-Guide, 50 øre	P-6694
Coin-Guide Spacer, 50 øre	P-6431-1
(Coin-Switch Assy., 50 øre)	
BLADE-SWITCH TYPE	AS-1698-3
MICRO-SWITCH TYPE	AS-1698-11
Slug-Rejector, 50 øre	M-1400-20

DESCRIPTION	PART NO.
SWEDEN	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate)(Specify Coin)	
25 öre	P-6350-14
50 öre	P-6350-8
1 Kr	P-6450-9
Coin-Entry Assy.(Specify Coin)	
25 öre	A-3053-14
50 öre	A-3053-8
1 Kr	A-3053-5
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
25 öre	P-6431-2
50 öre	P-6431-1
1 Kr	P-6431-5
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
25 öre	AS-1698-3
50 öre	AS-1698-3
1 Kr	AS-1698-2
MICRO-SWITCH TYPE	
25 öre	A-1698-11
50 öre	A-1698-11
1 Kr	A-1698-12
Slug-Rejector	
25 öre	M-1400-26
50 öre	M-1400-27
1 Kr	M-1400-28

WHEN ORDERING PART, SPECIFY PART NO.

INTERNATIONAL COIN-MECHANISM DATA

DESCRIPTION	PART NO.
SWITZERLAND	
(Coin-Entry Plate)(Specify Coin)	
20 Cts.	P-6350-8
50 Cts.	P-6350-10
1 Fr.	P-6350-4
Coin-Entry Assy.(Specify Coin)	
20 Cts.	A-3053-8
50 Cts.	A-3053-10
1 Fr.	A-3053-6
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
20 Cts.	P-6431-1
50 Cts.	P-6431-2
1 Fr.	P-6431-3
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
20 Cts.	AS-1698-3
50 Cts.	AS-1698-3
1 Fr.	AS-1698-2
MICRO-SWITCH TYPE	
20 Cts.	AS-1698-11
50 Cts.	AS-1698-11
1 Fr.	AS-1698-12
Slug-Rejector	
20 Cts.	M-1400-11
50 Cts.	M-1400-12
1 Fr.	M-1400-35
UNITED KINGDOM	
(Coin-Entry Plate, 6 d.)	P-6350-5
Coin-Entry Assy.(Specify Coin)	
6 d.	A-3053-5
1/-	A-3053-6
2/-	A-3053-7
Coin-Guide	
Any Coin	P-6694
Coin-Guide Spacer	
6 d.	P-6431-4
1/-	P-6431-3
2/-	NOT USED
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE, 6 d.	AS-1698-3
MICRO-SWITCH TYPE, 6 d.	AS-1698-11
Slug-Rejector	
6 d.	M-1400-5
1/-	M-1400-71
2/-	M-1400-80

DESCRIPTION	PART NO.
UNITED STATES	
Alternator	
(SEE ILLUSTRATION, PAGE 70)	
(Coin-Entry Plate)(Specify Coin)	
5¢	P-6350-2
Dime	P-6350-3
Quarter $	P-6350-4
Coin-Entry Assy.	
5¢	A-3053-1
Dime	A-3053-2
Quarter $	A-3053-3
Coin-Guide	
Any coin	P-6694
Coin-Guide Spacer	
5¢	P-6431-1
Dime	P-6431-2
Quarter $	P-6431-3
(Coin-Switch Assy.)	
BLADE-SWITCH TYPE	
5¢	AS-1698-3
Dime	AS-1698-3
Quarter $	AS-1698-2
MICRO-SWITCH TYPE	
5¢	AS-1698-11
Dime	AS-1698-11
Quarter $	AS-1698-12
Slug-Rejector	
5¢	M-1400-2
Dime	M-1400-3
Quarter $	M-1400-4

WHEN ORDERING PART, SPECIFY PART NO.

NUMERICAL PARTS LIST

3/32 X 1/2 in.	Cotter-Pin
3/32 X 3/4 in.	Cotter-Pin, Ball-Ejector Assys.
1/4 in.-20 X 1/8 in.	Jam-Nut
1/4 in.-20 X 1/2 in.	Carriage-Bolt
3-48 X 1/2 in.	Screw, Switch, Interlock Relays, "KK" Type Relays (See NOTE B, page 31; NOTE A, page 57)
3-48 X 5/16 in.	"
3-48 X 9/16 in.	"
3-48 X 5/8 in.	"
3-48 X 3/4 in.	"
3-48 X 13/16 in.	"
3-48 X 7/8 in.	"
3-48 X 15/16 in.	"
3-48 X 1 in.	"
3-48 X 1-1/16 in.	"
3-48 X 1-1/8 in.	"
3-48 X 1-3/16 in.	"
3-48 X 1-1/4 in.	"
3-48 X 1-7/16 in.	"
3-48 X 1-1/2 in.	"
3-48 X 1-9/16 in.	"
3-48 X 1-5/8 in.	"
No. 4	Lock-Washer, Shakeproof
No. 4 X 1/4 in.	Screw, Sheet Metal Type A
No. 4 X 3/8 in.	"
No. 4 X 7/16 in.	"
4-40 X 3/8 in.	Screw, Slotless
No. 6 X 1/2 in.	Screw, Sheet Metal Type Z
No. 6-32	Nut (Nylok) Flange & Stud Assy., Thumper Bumper Assys.
No. 8	Lock-Washer, External Thread
No. 8 Lockwasher	Split
No. 8-32 X 1/4 in.	Thumb-Screw
No. 8-32 X 5/16 in.	Nut
No. 8 X 5/8 in.	Screw, Sheet Metal Type A
No. 8 X 1 in.	"
No. 10	Lock-Washer, Bell Assy., Match Units
10-24 X 2 in.	Carriage-Bolt
10-32-1111	Nut
A-100-12	Rod, Ball-Shooter Assy.
A-110-3	Rod, Pusher Assy. (Ball-Lifter)
A-166-4	Bracket & Stud Assy., Gong Assy. AS-385-5
A-166-5	Bracket & Stud Assy., Gong Assy. AS-385-6
A-187A-14	Armature-Plate (Latch Coil), Interlock Relays
A-254-63	Hinge (Front-door) (See NOTE D, page 47)
A-254-72	"
A-254-76	"
A-258-7	Armature-Latch, Trip Relays (See illustration, page 30B)
A-258-9	"
A-261-5	Armature-Plate, Trip Relays (See illustration, page 30B)
A-261-7	"
A-261-10	"
A-316-22	Plunger & Rivet Assy., Gong Assys.
A-316-25	Plunger Assy., Sounder Assy.
A-316-28	Plunger Assy., Trip Relay Resets
A-604-5	Frame, "KK" Type Relays (See NOTE B, page 31; NOTE A, page 57)
A-604A-5	"
A-604C-5	"
A-604D-5	"
A-605-1	Armature-Plate, Interlock Relays; "KK" Type Relays
A-613	Core-Plug Assy., Sounder Assy.
A-613-30	Core-Plug Assy., Ball-Ejector Assys.
A-613-32	Core-Plug Assys., Added Balls Counter (HAPPY TOUR, HAY-RIDE); Replay Counters (50/50 and earlier games); Reset-type Stepping Units (See NOTE A, pages 39, 40)
A-613-33	Core-Plug Assy., Added Balls Counter Assy. AS-797-102; Replay Counter Assy. AS-797-79; Stepping Units, Full Reset (See NOTE A, page 39)
A-613-37	Core-Plug & Bracket Assy., Coil & Bracket Assys. AS-1567-2, AS-1567-3 (See NOTE E, page 51)
A-613-52	Core-Plug Assy., Advance Unit (See NOTE D, page 41); Score Counter Units (See NOTE H, page 35)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

A-613-58 Core-Plug Assy.,
Advance Unit (See NOTE A, page 41);
Alternator Unit
(See NOTE A, page 70);
Score-Counter Units
(See NOTE H, page 35)

A-613-67 Core-Plug Assy.,
Coil & Bracket Assy. (Thumper Bumper)
(See NOTE E, page 51);
Flipper Units (See NOTE A, pages 61, 62);
Slingshot-Kicker Assys.
(See NOTE B, page 60);
Swivel-Type Free-Ball-Gates;
Target-Kicker Assy.

A-613-68 Core-Plug Assy.,
Advance Unit (See SPECIAL NOTE, page 41);
Alternator Unit
(See NOTE A, page 70);
Match-Wheel Unit;
Score Counter Units
(See NOTE H, page 35)

A-613-71 Core-Plug Assy.,
50/50 Unit;
Target Selector Unit

A-613-77 Core-Plug Assy., Score Counter Units
(See NOTE H, page 35)

A-642-3 Bracket & Spring Hook Assy.,
Ball-Ejector Assys.

A-642-4 Ejector-Kicker Assy.,
Ball-Ejector Assys.
(See NOTE C, page 45; NOTE B, page 63)

A-642-5 "

A-642-6 "

A-643-7 Mounting Bracket, Ball-Ejector Assys.
(Playfield)

A-643-9 Mounting Bracket, Ball-Ejector Assys.
(Automatic Ball-Return)

A-1119-47 Contact-Strip Assy. (See NOTE A, page 39)

A-1119-62 "

A-1119-64 "

A-1289-9 Reset-Arm, Trip Relay Resets
(With Spring-Stud)

A-1289-10 Reset-Arm & Spring Stud Assy.,
Trip Relay Resets
(See NOTE C, page 30A)

A-1289-11 "

A-1289-13 Reset-Arm, Trip Relay Resets
(Without attachments)

A-1289-15 Reset-Arm Assy.,
Reset-Arm & Link Assy. AS-2373

A-1289-16 Reset-Arm Assy.,
Reset-Arm & Link Assy. AS-2373-1

A-1290-6 Reset-Arm, Trip Relay Resets
(With Plunger-Link) (See NOTE B, page 30A)

A-1290-7 "

A-1363 Coin-Return Slide (SEE NOTE BC, page 47)

A-1388-10 Rejector Mounting Assy.
(See SPECIAL NOTE, page 48A)

A-1388-31 Rejector Mounting Assy.,
Coin-Switch & Mounting Assy. AS-277-97
(See NOTE A, page 47D)

A-1392 Scavenger-Link (Rejector Mounting Assy.)

A-1455-1 Bracket, Sounder Assy.

A-1475-1 Ball-Gate Assy. (See page 64)

A-1475-3 "

A-1475-5 "

A-1475-7 "

A-1540-5 Housing, Ball-Shooter Assy.

A-1616-1 Rocker-Arm Assy.,
Advance Units;
Alternator Units
(See NOTE A, page 70);
50/50 Unit

A-1616-2 Rocker-Arm Assy.,
Score Counter Units
(See NOTE E, page 35)

A-1616-4 Rocker-Arm Assy.,
Match Wheel Unit;
Score Counter Units
(See NOTE E, page 35)

A-1618 Wiper Assy.,
Advance Units;
Alternator Unit
(See NOTE A, page 70);
50/50 Unit;
Match-Wheel Unit;
Score Counter Units
(See NOTE Q, page 35)

A-1618-2 Wiper Assy., Score Counter Units
(See NOTE Q, page 35)

A-1618-3 Wiper Assy., Score Counter Units
(See NOTE Q, page 35)

A-1653-1 Lamp-Socket (See illustration, page 49)

A-1729-4 Button, Flipper

A-1729-6 Button, Replay

A-1765-4 Step-up Arm Assy., Stepping Units
(See NOTE A, pages 37, 38, 39, 40)

A-1765-5 Step-Up Arm Assy.,
Added Balls Counter
(See NOTE D, page 34);
Single-Step Stepping Units
(See NOTE A, page 40)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

A-1765-8 Step-up Arm Assy., Continuous Stepping Units (See NOTE A, page 37); Full Reset Stepping Units (See NOTE A, page 39); Replay Counter

A-1765-13 Step-up Arm Assy., Match Units (See NOTE A, page 38)

A-1765-14 Step-Up Arm Assy., Full Reset Stepping Units (See NOTE A, page 39)

A-1765-18 Step-Up Arm Assy., Match Units (See NOTE A, page 38)

A-1765-19 Step-Up Arm Assy., Stepping Units, Continuous (See NOTE A, page 37)

A-1766 Pawl, Reset, Full Reset Stepping Units

A-1766-2 Pawl, Reset, Single-Step Reset Stepping Units (See NOTE A, page 40)

A-1766-4 Pawl, Reset, Added Balls Counter; Single-Step Reset Stepping Units (See NOTE A, page 40); Replay Counter

A-1768 Base-Plate, Reset-type Stepping Units

A-1768-15 Base-Plate, Continuous Stepping Units (See NOTE A, page 37)

A-1768-19 Base-Plate, Replay Counter (See NOTE C, page 33)

A-1768-24 "

A-1768-25 Base-Plate, Match Units with Bell (See NOTE A, page 38)

A-1768-27 Base-Plate, Added Balls Counter (See NOTE D, page 34)

A-1768-30 Base-Plate, Continuous Stepping Units (See NOTE A, page 37)

A-1768-32 Base-Plate, Added Balls Counter Unit AS-797-102

A-1873 Flange & Stud Assy., Thumper Bumper Assys.

A-1876-1 Ball-Lock & Bracket Assy., Ball-Stop Assys., Ball-Trough & Switch Assys. (See NOTE C, page 46)

A-1876-2 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-3

A-1876-3 Ball-Lock & Bracket Assy., Ball-Stop Assys., Ball-Trough & Switch Assys. (See NOTE C, page 46)

A-1876-4 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-5

A-1876-5 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-6

A-1876-6 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-7

A-1876-9 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-10

A-1876-10 Kicker-Arm & Bracket Assy., Sling-Shot Kicker Assy. AS-1566-11

A-1888-9 Base-Plate Assy., Flipper Unit, Right (See NOTE A, page 61);

A-1888-10 Base-Plate Assy., Flipper Unit, Left (See NOTE A, page 61);

A-1888-11 Base-Plate Assy., Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1888-12 Base-Plate Assy., Super Flipper Unit, Right (See NOTE A, page 62)

A-1888-13 Base-Plate Assy., Super Flipper Unit, Left (See NOTE A, page 62)

A-1888-14 Base-Plate Assy. Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1888-15 "

A-1889-4 Lever-Arm Assy., Flipper Unit AS-1587-14 (See NOTE A, page 61);

A-1889-5 Lever-Arm Assy., Flipper Unit AS-1587-15 (See NOTE A, page 61); Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1889-6 Lever-Arm Assy., Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1889-7 Lever-Arm Assy., Super Flipper Unit, Right (See NOTE A, page 62); Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1889-8 Lever-Arm Assy., Super Flipper Unit, Left (See NOTE A, page 62); Swivel-Type Free-Ball Gates (See NOTE B, page 58)

A-1889-10 Lever-Arm Assy., Target Kicker Assy.

A-2064 Washer & Pin Assy., Rotor Assys. AS-1699-1, AS-1699-2

A-2065 Bracket Assy., Coin-Switch Assys. AS-1698-2; AS-1698-3

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

A-2195-2	Reset-Shaft, Trip Relay Resets (See NOTE A, page 30A)
A-2195-4	"
A-2195-5	"
A-2195-6	"
A-2195-7	"
A-2195-11	"
A-2195-12	"
A-2195-14	"
A-2195-15	"
A-2195-18	"
A-2195-20	"
A-2195-21	"
A-2195-22	"
A-2195-24	"
A-2195-25	"
A-2212	Contact-Plate, Advance Units; 50/50 Unit; Match-Wheel Unit; Score Counter Units (See NOTE D, page 35); Target Selector Unit
A-2212-5	Contact-Plate, Alternator Unit (See NOTE A, page 70)
A-2214-5	Base-Plate Assy., Advance Units; Alternator Unit (See NOTE A, page 70)
A-2214-8	Base-Plate, Score Counter Units (See NOTE P, page 35)
A-2214-9	"
A-2214-10	Base-Plate, Target Selector Assy.
A-2214-11	Base-Plate Assy., 50/50 Unit
A-2214-12	Base-Plate Assy., Advance Unit, MAGIC CIRCLE, TRIO
A-2214-13	Base-Plate Assy., Score Counter Units (See NOTE P, page 35)
A-2214-14	Base-Plate Assy., Match-Wheel Unit
A-2214-16	Base-Plate Assy., Alternator Unit (See NOTE A, page 70)
A-2214-18	Base-Plate Assy., Score Counter Units (See NOTE P, page 35)
A-2249-19	Bracket Assy. (Gang Mount)
A-2719	Slide, Coin (See NOTE B, page 46)
A-2719-2	Slide, Coin (MAD WORLD through TRIO Add-A-Ball)
A-2719-3	Coin-Return Guide Assy., Coin-Switch & Mounting Assy. AS-277-97
A-2722	Base-Plate, Score Motor Assys. (Interchangeable with AS-2722-1) (See NOTE A, page 32)
A-2722-1	Base-Plate, Score Motor Assys. (Interchangeable with A-2722) (See NOTE A, page 32)
A-2725	Cam Assy., Score Motor Assys. (See NOTE A, page 32)
A-2725-1	"
A-2725-2	"
A-2725-3	"
A-2725-4	"
A-2729-1	Ball-Trough Assy., Ball-Trough & Switch Assys. (See NOTE C, page 46)
A-2729-2	"
A-2729-3	"
A-2729-5	"
A-2729-6	"
A-2729-7	"
A-2735	Washer, Pusher Assy. (Ball-Lifter)
A-2736	Skirt, Bumper Assys. (See NOTE C, page 52)
A-2736-1	Skirt, Standard Bumper Assy. (See NOTE C, page 52)
A-2737	Inside Assy., Front Moulding Assy. (See NOTE D, page 43)
A-2737-2	"
A-2747-1	Flipper-Arm (See NOTE B, page 62)
A-2737-5	Inside Assy., Front-Moulding Assy. (See NOTE MA, page 44)
A-2747-2	Kicker-Arm & Shaft Assy., Kickback Arm Assy. AS-2381
A-2747-3	Kicker-Arm & Shaft Assy. (Mystery Bonus)
A-2790-5	Coin-Box, Single Compartment (Less Cover)
A-2790-13	Coin-Box, Double Compartments (Less Cover)
A-2857-1	Plunger Assy., Swivel-Type Free-Ball Gate Assys. (See NOTE A, page 58)
A-2858	Bell-Striker Assy., Match Units
A-2859	Bell Assy., Match Units
A-2870	Arm & Stud Assy., 4-Steps Ball-Escape Assy.
A-2871	Ball-Escapement Plate Assy., 4-Steps Ball-Escape Assy. (See Illustration, page 59)
A-2871-1	"
A-2871-2	"
A-2877	Escapement Bracket Assy., 4-Steps Ball-Escape Assy.
A-2880	Coil-Bracket & Coil-Mounting Assy., Coil & Bracket Assy. (4-Steps Ball-Escape)
A-2890-31	Ball-Guide Assy. (Mystery Bonus)
A-2890-32	Ball-Cover Assy. (Mystery Bonus)
A-2896	Ball-Trough Assy. (Automatic Ball-Return)
A-2898-1	Guide Rail Assy. (See illustration, page 64)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

A-2898-2	Ball Guide (See illustration, page 29)
A-2899	Mounting-Bracket Assy., Latch-Lock Assy., Right
A-2899-1	Mounting-Bracket Assy., Latch-Lock Assy., Left
A-2900	Latch-Rail Assy., Playfield Panel
A-2900-1	"
A-2900-2	"
A-2900-3	"
A-2900-4	"
A-2900-5	"
A-2900-6	"
A-2900-7	"
A-2900-9	"
A-2901	Latch-Lever Assy., Left, Front
A-2901-1	Latch-Lever Assy., Right, Front
A-2901-2	Bracket Assy., Front-Moulding Assy. (See NOTE A, page 47)
A-2902	Bracket Assy., Front-Moulding Assy. (See NOTE A, page 47)
A-2939	Number-Wheel Assy., Number-Wheel & Hub Assy., Added Balls Counter (See NOTE C, page 34); Added Balls Counter (See NOTE A, page 33B)
A-2960	Bracket & Shaft Assy., Target Selector Assy.
A-2961	Target Selector Disc Assy.
A-2978	Kicker-Arm & Pin Assy., Target Kicker Assy.
A-3017	Panel Guide Lock Assy., Right
A-3017-1	Panel Guide Lock Assy., Left
A-3051	Coin-Slide Assy. (See NOTE BD, page 47)
A-3051-1	"
A-3052	"
A-3053-1	Coin-Entry Assy., Canada, 5¢ United States, 5¢
A-3053-2	Coin-Entry Assy., Canada, Dime, United States, Dime
A-3053-3	Coin-Entry Assy., Canada, Quarter $, United States, Quarter $
A-3053-5	Coin-Entry Assy. (SPECIFY COIN), Australia, 6 d., Netherlands, 25 cent, Sweden, 1 Kr., United Kingdom, 6 d.
A-3053-6	Coin-Entry Assy. (SPECIFY COIN), Austria, 5 S, Denmark, 25 øre France, 20 Fr., Japan, 10 Y, Switzerland, 1 Fr., United Kingdom, 1/–
A-3053-7	Coin Entry Assy. (SPECIFY COIN), Austria, 10 S, Italy, L. 100 United Kingdom, 2/–
A-3053-8	Coin-Entry Assy. (SPECIFY COIN), Belgium, 5 Fr., Norway, 50 øre, Sweden, 50 öre, Switzerland, 20 Cts.
A-3053-9	Coin-Entry Assy. (SPECIFY COIN), Belgium, 5 Fr., Finland, 50 p., Italy, L. 50 Japan, 50 Y
A-3053-10	Coin-Entry Assy., Switzerland, 50 Cts.
A-3053-11	Coin-Entry Assy. (SPECIFY COIN) Austria, 1 S, Finland, 20 p., Japan, 100 Y
A-3053-12	Coin-Entry Assy., Netherlands, 10 cent
A-3053-13	Coin-Entry Assy., Denmark, 1 Kr.
A-3053-14	Coin-Entry Assy., Sweden, 25 öre
A-3053-15	Coin-Entry Assy., Germany, 10 Pf.
A-3053-16	Coin-Entry Assy., Germany, 50 Pf.
A-3053-30	Coin-Entry Assy., Germany, 1 DM
A-3054	Guide-Rail Assy. (See illustration, page 64)
AS-277-97	Coin Switch & Mounting Assy. (See NOTE A, page 47D)
AS-385-5	Gong Assy. (See illustration, page 67)
AS-385-6	"
AS-428-14	Ball-Ejector Assy. (Playfield) (See NOTE A, page 63)
AS-428-16	Ball-Ejector Assy. (Automatic Ball-Return) (See NOTE B, page 45)
AS-428-17	"
AS-428-18	Ball-Ejector Assy. (Playfield) (See NOTE A, page 63)
AS-428-19	"
AS-428-22	Ball-Ejector Assy. (Automatic Ball Return) (See NOTE A, page 45)
AS-493-2	Rebound Assy. (See illustration, page 66)
AS-493-3	"
AS-493-4	Bumper Assy. (See page 29H)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

AS-586-5 Core-Plug Assy., Trip Relay Reset (See NOTE A, page 30A)
AS-586-10 "
AS-586-16 "
AS-586-19 Bracket & Core Plug Assy., Trip Relay Resets (See NOTE A, page 30A)
AS-586-20 "
AS-731-6 Sounder Assy.
AS-797-79 Replay Counter Assy. (See NOTE A, page 33A)
AS-797-102 Added Balls Counter (See NOTE A, page 33B)
AS-797-112 "
AS-975-116 Cam Assy., Score Motor Assys., (See NOTES, A, B, page 31A)
AS-975-120 "
AS-975-122 "
AS-982-160 Switch & Bracket Assy. (See illustration and NOTE A, page 52)
AS-982-162 Rebound-Switch Assy.
AS-982-456 Target-Switch Assy.
AS-982-460 Tilt-Switch & Bracket Assy. (See illustration, page 66)
AS-982-498 Switch & Bracket Assy., Trip Relay Resets
AS-982-499 Switch & Bracket Assy. (See illustration and NOTE A, page 52)
AS-982-509 Switch & Bracket Assy. (See illustration, page 60)
AS-982-547 Switch & Bracket Assy., Trip Relay Relay Resets (See NOTE C, page 30A)
AS-982-550 Switch & Bracket Assy., Score Motor Assys. (See NOTES A, B, page 31A)
AS-982-554 "
AS-982-557 Switch & Bracket Assy., Trip Relay Resets (See NOTE C, page 30A)
AS-982-558 Switch & Bracket Assy., Score Motor Assy. (See NOTES A, B, page 31A)
AS-982-559 "
AS-982-570 Switch & Bracket Assy. Score Motor Assys. (See NOTES A, B, page 31A)
AS-982-575 "
AS-1046-372 Wiper Assy. (See NOTE A, page 37)
AS-1046-373 "
AS-1046-383 Wiper Assy. (See NOTE A, page 40)
AS-1046-384 Wiper Assy. (See NOTE A, page 37)
AS-1046-385 "
AS-1046-389 Wiper Assy. (See NOTE A, page 39)
AS-1046-390 Wiper Assy. (See NOTE A, page 37)
AS-1046-395 Wiper Assy. (See NOTE A, pages 37, 38)
AS-1046-400 "
AS-1046-402 Wiper Assy. (See NOTE A, page 39)
AS-1046-406 "
AS-1046-418 Wiper Assy. (See NOTE A, page 38)
AS-1046-423 Wiper Assy. (See NOTE A, page 39)
AS-1046-427 "
AS-1046-432 "
AS-1046-433 "
AS-1046-434 "
AS-1046-437 "
AS-1046-438 Wiper Assy. (See NOTE A, page 40)
AS-1046-439 Wiper Assy. (See NOTE A, page 39)
AS-1046-453 "
AS-1046-459 Wiper Assy. (See NOTE A, page 40)
AS-1046-460 Wiper Assy. (See NOTE A, page 37)
AS-1046-462 Wiper Assy., Added Balls Counter AS-797-102
AS-1046-463 Wiper Assy. (See NOTE A, page 39)
AS-1046-464 "
AS-1046-480 "
AS-1046-481 Wiper Assy., Added Balls Counter (See NOTE A, page 33B)
AS-1046-482 Wiper Assy. (See NOTE A, page 39)
AS-1145-30 Ball-Trough & Switch Assy. (See NOTE C, page 46)
AS-1145-33 "
AS-1145-35 "
AS-1145-36 "
AS-1145-39 "
AS-1145-40 "
AS-1145-41 "
AS-1305-26 Front-Moulding Assy. (See NOTE D, page 43)
AS-1305-32 "
AS-1305-38 Front-Moulding Assy. (See NOTE M, page 43)
AS-1305-39 "
AS-1305-42 Front Moulding Assy. (See NOTE MA, page 43)
AS-1315 Ball-Gate & Switch Assy. (See NOTE C, page 64)
AS-1315-3 Ball-Gate & Switch Assy.
AS-1315-4 Ball-Gate & Switch Assy. (See NOTE C, page 64)
AS-1565 Number-Wheel & Hub Assy., Replay Counter
AS-1565-2 Number Wheel & Hub Assy., Added Balls Counter (See NOTE AA, page 34)
AS-1566-1 Ball-Stop Assy., Ball-Trough & Switch Assys. (See NOTE C, page 46)
AS-1566-2 "

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

AS-1566-4 Ball-Stop Assy., Ball-Trough & Switch Assys. (See NOTE C, page 46)

AS-1566-7 Sling-Shot Kicker Assy. (See NOTE A, page 60)

AS-1566-10 "

AS-1566-11 "

AS-1567-5 Coil & Bracket Assy. (Thumper Bumper) (See NOTE A, page 51)

AS-1587-16 Swivel-Type Free-Ball Gate (See NOTES A, B, page 58)

AS-1587-17 "

AS-1587-18 "

AS-1587-19 Super Flipper Unit, Right (See page 62)

AS-1587-20 Super Flipper Unit, Left (See page 62)

AS-1587-21 Swivel-Type Free-Ball Gate (See NOTES A,B, page 58)

AS-1587-22 "

AS-1587-23 "

AS-1587-25 "

AS-1587-26 "

AS-1587-27 "

AS-1587-28 "

AS-1587-29 "

AS-1587-32 "

AS-1587-33 "

AS-1587-37 "

AS-1587-40 Kicker Assy. (See page 29H)

AS-1588-1 Ball Tilt Assy. (See NOTE BA, page 46)

AS-1698-2 Coin-Switch Assy., Blade-Switch Type,
Austria, 1S,
Canada, Quarter $,
Cyprus, 50 Mils,
Denmark, 25 øre, 1 Kr.,
Finland, 50 p.,
France, 20 Fr.,
Greece, 2 Dr.,
Italy, L.50, L.100,
Japan, 10Y, 50Y,
Sweden, 1 Kr.
Switzerland, 1 Fr.,
United States, Quarter $

AS-1698-3 Coin-Switch Assy., Blade-Switch Type,
Australia, 6d.,
Belgium, 1 Fr.,
Canada, 5¢, Dime,
Cyprus, 25 Mils,
Finland, 20 p.,
Germany, 10 Pf., 50 Pf.,
Greece, 1 Dr.,
Netherlands, 10 cents,
Norway, 50 øre,
Sweden, 25 öre, 50 öre,
Switzerland, 20 Cts., 50 Cts.,
United Kingdom, 6d.,
United States, 5¢, Dime

AS-1698-11 Coin-Switch Assy., Micro-Switch Type,
Australia, 6d.,
Belgium, 1 Fr.,
Canada, 5¢, Dime
Cyprus, 25 Mils,
Finland, 20 p.,
Germany, 10 Pf., 50 Pf.,
Greece, 1 Dr.,
Netherlands, 10 cents,
Norway, 50 øre,
Sweden, 25 öre, 50 öre,
Switzerland, 20 Cts., 50 Cts.,
United Kingdom, 6d.,
United States, 5¢, Dime

AS-1698-12 Coin-Switch Assy., Micro-Switch Type,
Austria, 1S,
Canada, Quarter $,
Cyprus, 50 Mils,
Denmark, 25 øre, 1 Kr.,
Finland, 50 p.,
France, 20 Fr.,
Greece, 2 Dr.,
Italy, L.50, L.100,
Japan, 10Y, 50Y,
Sweden, 1 Kr.
Switzerland, 1 Fr.,
United States, Quarter $

AS-1699-1 Rotor Assy., Coin-Switch Assy. AS-1698-2

AS-1699-2 Rotor Assy., Coin-Switch Assy. AS-1698-3

AS-1900-27 Score Counter Unit (See NOTE A, page 35)

AS-1900-28 "

AS-1900-40 Alternator Unit (See illustration, page 70)

AS-1900-46 Score Counter Unit (See NOTE A, page 35)

AS-1900-47 "

AS-1900-52 "

AS-1900-53 "

AS-1900-54 "

AS-1900-55 "

AS-1900-56 "

AS-1900-57 Target Selector Assy.

AS-1900-61 50/50 Unit (See page 27)

AS-1900-68 Score Counter Unit (See NOTE A, page 35)

AS-1900-69 "

AS-1900-70 "

AS-1900-73 "

AS-1900-74 "

AS-1900-75 "

AS-1900-76 Match-Wheel Assy. (See page 29D)

AS-1900-85 Alternator Unit (See NOTE A, page 70)

AS-1900-86 Score Counter Unit (See NOTE A, page 35)

AS-1900-87 "

AS-1900-88 "

AS-2214-4 Flipper-Arm & Cap Assy., Left (See page 62)

AS-2214-5 "

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

AS-2215	Score Motor Assy. (See NOTES A, C, page 32)
AS-2215-2	"
AS-2215-3	"
AS-2215-5	Score Motor Assy. (See NOTE A, page 32)
AS-2215-7	"
AS-2215-8	Score Motor Assy. (See NOTES A, C, page 32)
AS-2215-9	Score Motor Assy. (See NOTE A, page 32)
AS-2215-11	"
AS-2215-12	"
AS-2215-13	"
AS-2215-16	"
AS-2215-17	"
AS-2215-18	"
AS-2215-19	"
AS-2215-20	"
AS-2215-22	"
AS-2215-23	"
AS-2215-24	"
AS-2215-25	"
AS-2215-26	"
AS-2215-27	"
AS-2215-28	"
AS-2215-30	"
AS-2215-32	"
AS-2222	Thumper Bumper Assy. (Specify type, colors, marking of Cap)
AS-2222-1	Standard Bumper Assy. (See NOTE B, page 52) (Specify colors, marking of Cap)
AS-2222-2	"
AS-2250-6	Gate Assy., consisting of M-1272-4; P-5867-2
AS-2250-10	Gate (see page 29H)
AS-2285-1	Ball-Lifter Assy.
AS-2291	Mushroom Bumper Assy. (Specify color, marking of Cap) (Specify color of Post)
AS-2293	Plunger & Drive-Pawl Assy., Score Counter Units (See NOTE M, page 36)
AS-2293-1	Plunger & Drive Pawl Assy., Advance Unit
AS-2293-2	Plunger & Drive Pawl Assy., Alternator Unit (See NOTE A, page 70); 50/50 Unit; Match-Wheel Unit; Score Counter Units (See NOTE M, page 35); Target Selector Unit
AS-2293-3	Plunger & Drive Pawl Assy., Score Counter Units (See NOTE M, page 35)
AS-2299	Coil & Bracket Assy. (4-Steps Ball-Escape)
AS-2300	4-Steps Ball-Escape Assy.
AS-2313	Lock Assy., Front Moulding, Multiple-coins games, GRAND TOUR and later games through TRIO Add-A-Ball
AS-2313-1	Lock Assy., Front-Moulding, Multiple-coins MAD WORLD
AS-2313-2	Lock Assy., Front-Moulding, Single-coin MAD WORLD
AS-2313-3	Lock Assy., Front Moulding, Single-coin games, GRAND TOUR and later games through TRIO Add-A-Ball
AS-2313-5	Lock Assy., Front Moulding, BLUE RIBBON and later games
AS-2314	Butterfly Switch & Rod Assy.
AS-2315	Latch-Lock Assy. (Playfield Panel), Right
AS-2315-1	Latch-Lock Assy. (Playfield Panel), Left
AS-2370	Target Kicker Assy.
AS-2373	Reset-Arm & Link Assy., Trip Relay Resets (See NOTE B, page 30A)
AS-2373-1	"
AS-2377	Push Button Assy. (Coin-Return) (See NOTES A, D, page 47D)
AS-2380	Score Motor Assy. (See NOTE B, page 31A)
AS-2380-1	"
AS-2380-2	"
AS-2380-7	"
AS-2380-16	"
AS-2381	Kickback Arm Assy. (See details, page 29E)
B-326	Screw, Hexagon Head, "KK" Type Relays
C-100-24	Ratchet (See NOTE A, page 40)
C-100-40	"
C-100-102	Ratchet (See NOTE A, page 39)
C-114	Body, Standard Bumper Assys.
C-114-3	Body, Thumper Bumper Assys.
C-115-1	Base, Bumper Assys. (Excepting Mushroom Bumper Assy.)
C-117	Post, Plastic, Triangle (Specify color)
C-119-2	Post, Plastic, Short (Specify color)
C-119-15	Post, Plastic, Long (Specify color)
C-121	Post, Plastic, Diamond (Specify color)
C-260	Hub, Number Wheel & Hub Assy., Added Balls Counter; Replay Counter
C-271-2	Clip, 1/8 in. dia. X 11/32 in.
C-271-3	Clip, 3/16 in. dia. X 11/32 in.
C-271-4	Clip, 1/4 in. dia. X 7/16 in.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

C-342	Guide-Ring (Plunger)
C-368	Cap, Rounded Top, Thumper Bumper Assy. (Specify colors, marking)
C-434	Ratchet, Advance Unit; Alternator Unit (See NOTE A, page 70); 50/50 Unit; Score Counter Units (See NOTE Q-B, page 35); Target Selector Unit
C-434-2	Ratchet, Alternator Unit (See NOTE A, page 70)
C-434-5	Ratchet, Match Wheel Unit; Score Counter Units (See NOTE Q-B, page 35)
C-435	Pawl, Drive, Advance Unit (See NOTE H, page 41)
C-435-1	Pawl, Drive Pawl Assy., Advance Unit; MAGIC CIRCLE, TRIO; Alternator Unit; 50/50 Unit; Score Counter Units; (See NOTE L, page 35)
C-435-2	Pawl, Drive Pawl Assy., Score Counter Unit (See NOTE L, page 35)
C-435-5	Pawl, Drive Pawl Assy., Advance Unit (See NOTE H, page 41); Score Counter Units (See NOTE L, page 35)
C-436-3-8-	Number-Wheel, Score Counter Units, (See NOTE B, page 36)
C-537-3	Nyliner, Free-Ball Escape Assy. AS-2300
C-537-5	Nyliner, Score Motor Assys. (See NOTE A, page 31A)
C-568-3-1	Number-Wheel, Score Counter Units (See NOTE B, page 35)
C-568-3-8	"
C-578	Button, (Button-Switch) (See NOTE A, page 55); (Kicker-Button) (Specify color)
C-583	Bushing, (Bounce-Switch); Pusher Assy. (Ball-Lifter)
C-595	Target (Bull's Eye), Target-Switch Assy.
C-597	Corner-Casting, Right
C-597-1	Corner-Casting, Left
C-609-5	Flipper-Cap, Left
C-610-5	Flipper-Cap, Right
C-615	Lamp-Shield (Specify color)
C-616-3	Cap & Shaft, Mushroom Bumper Assy. (Specify color, marking)
C-617-8	Post, Mushroom Bumper Assy. (Specify color)
C-635	Cap, Standard Bumper Assys. (Specify colors, marking)
C-649	Bearing, Nylon, Super Flipper Units; Swivel-Type Free-Ball Gates (See NOTE B, page 58); Target Kicker Assy.
C-649-3	Bearing, Kicker Assy. AS-1587-40
C-664	Button (Button-Switch) (See NOTE A, page 55) (Specify color)
C-670	Cap, Slanted Flat Top, Thumper Bumper Assy. (Specify colors, marking)
C-691	Wheel, Match-Wheel Assy.
C-693	Guide-Rail, Plastic, 2 vertical walls, 1-1/2 in. between hole centers (Specify color)
C-694	Guide-Rail, Plastic, 1 vertical wall, 1-1/2 in. between hole centers (Specify color)
C-695	Guide-Rail, Plastic, 2 vertical walls, 2-1/8 in. between hole centers (Specify color)
C-696	Guide-Rail, Plastic, 1 vertical wall, 2-1/8 in. between hole centers (Specify color)
C-703	Rocker-Arm, Score Counter Units (See NOTE E, page 35)
C-704	Ratchet & Shaft, Score Counter Units (See NOTE Q-B, page 35)
C-1050	Ratchet (See NOTE A, pages 37, 38)
C-1050-4	Ratchet (See NOTE A, page 39)
C-1050-5-36	"
C-1050-7	"
C-1050-7-39	"
C-1050-10	"
C-1050-10-42	"
C-1050-20	Ratchet (See NOTE A, pages 39, 40)
C-1051	Ratchet, Added Balls Counter; Replay Counter
C-1060	Ratchet (See NOTE A, pages 37, 38)
C-1060-10	Ratchet (See NOTE A, page 39)
C-1060-20	"

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

C-7800-251	Coil, Interlock Relays (See NOTE B, page 31); "KK" Type Relay (See NOTE B, page 31; NOTE A, page 57)
C-7800-331	"
C-7800-332	"
C-7800-332-0	"
C-7800-333	"
C-7800-334	"
C-7800-334-0	"
C-7800-335	"
C-7800-336	"
C-7800-351	"
C-7800-384	"
C-7800-3312	"
C-7800-3314	"
C-7800-3315	"
C-7800-3315-0	"
C-7800-3316	"
CA-567-134	Front Door (Wood only) See NOTE CA, page 47
CA-567-146	"
CA-567-159	"
CO-25A-7	Coil, Ball-Ejector Assys. (See NOTE D, page 63); Target Kicker Assy.
CO-25GG-7	Coil, Step-up, Replay Counter (See NOTE A, page 33); Stepping Units (See NOTE A, page 37; NOTE D, page 39) (See NOTE C, page 40)
CO-27R-11	Coil, Sounder Assy.
CO-28R-15	Coil, Reset, Added Balls Counter; Replay Counter; Reset-type Stepping Units
CO-28ZZ-15	Coil, Advance Unit (See NOTE D, page 41) Score Counter Units (See NOTE I, page 36)
CO-31-0-55	Coil, Gong Assys.
E-104-43	Resistor, 15 ohms, 5 watts
E-108-80	Mercury-Switch (See NOTE BA, page 47)
E-108-87	Switch, Coin-Switch Assy. AS-1898-11
E-108-88	Switch, Coin-Switch Assy. AS-1898-12
E-108-98	Coin-Switch, Coin-Switch & Mounting Assy. AS-277-97
E-108-103	Micro-Switch (Mystery Bonus)
E-119-315	Motor, Score (See NOTE C, page 32)
E-119-332	"
E-119-336	"
E-119-345	"
E-119-354	Motor, Score Motor Assys. (See NOTES A, D, page 31B)
E-120-25	Lamp-Socket (See illustration, pages 49,51,52)
E-120-33	Lamp-Socket (See illustration, page 49)
E-120-81	"
E-120-84	"
E-120-99	"
E-120-127	"
E-122-91	Transformer (See NOTE B, page 47)
E-122-92	"
E-122-95	"
E-125-2	Lamp, No. 47
E-125-5	Lamp, No. 55
E-125-22	Lamp, No. 44
E-125-44	Lamp, Flashing
E-130-10	Counter, Total Play (Meter)
E-133-5	Fuse, 5 amps.
E-133-8	Fuse, 8 amps.
E-133-10	Fuse, 10 amps.
E-138-3	Plumb-Bob (Tilt)
E-136-17	Connector, Female, Score Motor Assys. (See NOTE A, page 31B)
E-148-5	Fuse-Block
E-184-63	Coil, Trip Relay Resets (See NOTE A, page 30A)
E-184-87	"
E-184-94	"
E-184-137	Coil, Sling-Shot Kicker Assys.
E-184-155	Coil, Trip Relays (See NOTE A, page 30A)
E-184-156	("
E-184-180	Coil, Alternator Unit
E-184-187	Coil, Trip Relays (See NOTE A, page 30A)
E-184-190	Coil, Flipper Units; Coil & Bracket Assy. (Thumper Bumper) (See NOTE D, page 51)
E-184-191	Coil, Ball-Stop Assys., Ball-Trough & Switch Assys. (See NOTE C, page 46)
E-184-196	Coil, Trip Relay Resets (See NOTE A, page 30A)
E-184-204	Coil, Swivel-Type Free-Ball Gate
E-184-205	Coil, Step-up, Added Balls Counter; Coil & Bracket Assy. (4-Steps Ball-Escape); Replay Counter (See NOTE A, page 33); Stepping Units (See NOTE A, pages 37, 38) (See NOTE D, page 39, NOTE C, page 40)
E-184-206	Coil, Advance Unit (See NOTE D, page 41); 50/50 Unit; Match-Wheel Unit; Score Counter Unit (See NOTE I, page 35); Target Selector Unit

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

E-184-207	Coil, Ball-Ejector Assy. (See NOTE D, page 63)
E-184-211	Coil, Trip Relay Resets (See NOTE A, page 30)
E-184-213	Coil, Ball-Ejector Assys. AS-428-16, AS-428-17, AS-428-18 (See NOTE D, page 63)
G-332	Backglass (See NOTES B, C, page 67)
G-332-1	"
G-332-2	"
G-332-4	"
G-332-5	"
G-332-6	"
G-332-7	"
G-332-8	"
G-332-9	"
G-332-10	"
G-332-11	"
G-332-12	"
G-332-13	"
G-332-14	"
G-332-15	"
G-332-16	"
G-332-17	"
G-332-18	"
G-332-19	"
G-332-20	"
G-332-21	"
G-332-22	"
G-332-24	"
G-332-25	"
G-332-27	"
G-332-28	"
G-332-30	"
G-332-34	"
G-332-35	"
G-332-37	"
G-332-44	"
G-332-45	"
G-4111-1	Gear, First, Motor E-119-354
G-5818-1	Gear, Intermediate (Double Gears), Motor E-119-354
G-7300-1 x ¼	Gear & Shaft, Motor E-119-354
K-227	Ball-Shooter Assy. (Unassembled)
K-228	Pusher Assy. (Ball-Lifter) (Unassembled)
K-266	Special Kit (See page 62)
K-267	"
L-248	Switch-Actuator, "KK" Type Relays
LS-348-14-410	Lock-Screw
LS-348-16-410	"
LS-348-16-412	"
LS-348-18-410	"
LS-540-3-110	"
LS-540-3-512	"
LS-540-4-510	"
LS-540-5-510	"
LS-632-3-510	"
LS-632-4-510	"
LS-632-5-510	"
LS-632-4-511	"
LS-832-3-510	"
LS-832-4-510	"
LS-832-4-511	"
LS-832-5-HH	Lock-Screw, Hexagon Head
LS-832-5-511	Lock-Screw
LS-832-5-810	"
LS-832-6-511	"
LS-832-6-810	"
LS-832-7-510	Lock-Screw
LS-832-8-510	"
LS-832-8-511	"
LS-1032-6-510	"
LS-1032-20-511	"
M-106-1	Bolt, Leg
M-121-3	Guide-Rail, Wire (See page 65)
M-121-4	"
M-121-5	"
M-121-6	"
M-121-7	"
M-121-8	"
M-121-9	"
M-121-10	"
M-122-13	Eyelet, Mushroom Bumper Assys.
M-163-4	Adjuster, Leg
M-186-26	Ball
M-175	Wire (Plumb-Bob Tilt)
M-254	Hairpin-Washer for 3/32 in. dia. shaft
M-254-1	Hairpin-Washer for 9/64 in. dia. shaft
M-281-22	Lock with 2 Keys
M-281-43	"
M-296	Nut, Round Head, Rebound Assy. AS-493-2
M-298-10	Speed-Nut, Target-Switch
M-319-1	Stop Nut, Elastic
M-319-3	"
M-319-8	"
M-389-1	Key-Hook
M-455-13	Roll-Under (See illustration, page 56)
M-455-14	"
M-455-15	"
M-463-4	Wing-Nut (See NOTE I, page 43)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

M-496	Push-Rivet, (Button-Switch); (Kicker-Button)
M-497-8	Actuator, Ball-Switch, Ball-Trough & Switch Assys. (See NOTE D, page 46)
M-497-9	"
M-497-10	"
M-497-11	"
M-666-11	Wire, Coin-Switch E-108-87
M-666-12	Wire, Coin-Switch E-108-88
M-666-13	Wire, Coin-Switch E-108-98
M-666-16	Wire (Switch E-108-103)
M-740	Ratchet-Pin (See NOTE A, page 39)
M-781-40	Plastic Shields (Complete set) (See NOTE B, page 65)
M-781-50	"
M-781-60	"
M-961	Thumb-Screw, No. 8-32 X 1/4 in.
M-1272	Actuator, Swing-Type Free-Ball Gates
M-1272-1	Wire, Gate or Rebound-Barrier (See illustration, page 56)
M-1272-2	"
M-1272-3	"
M-1272-4	"
M-1272-5	"
M-1272-6	"
M-1272-10	"
M-1314-1	Pal-Nut (Swivel-Type Free-Ball Gates)
M-1314-2	Pal-Nut, Mushroom Bumper Assy.
M-1330	Plastic Shields (Complete set) (See NOTE B, page 65)
M-1330-1	"
M-1330-2	"
M-1330-3	"
M-1330-4	"
M-1330-5	"
M-1330-6	"
M-1330-7	"
M-1330-8	"
M-1330-11	"
M-1330-12	"
M-1330-13	"
M-1330-14	"
M-1330-15	"
M-1330-16	"
M-1330-17	"
M-1330-18	"
M-1330-19	"
M-1330-20	"
M-1330-21	"
M-1330-22	"
M-1330-23	"
M-1330-25	Plastic Shields (Complete set) (See NOTE B, page 65)
M-1330-26	"
M-1330-32	"
M-1334	Spring-Trap, Ball-Trough & Switch Assys.
M-1335	Wire (Swivel-Type Free-Ball Gates) (See NOTES A,C, page 58)
M-1335-1	"
M-1336	Wire, Rollover (See illustration, page 54); (Target Kicker Assy.)
M-1336-1	Wire, Rollover (See illustration, page 54)
M-1336-2	"
M-1336-3	"
M-1336-10	"
M-1337	Post, Metal
M-1368-5	Label, Contact-Plate, Score Motor Units (See NOTE Q-E, page 35)
M-1369	Set-Screw (Nylok)
M-1371	Fastener, Score Motor Assys. (See NOTES A, E, page 31B)
M-1373	Shield, Thumper Bumper (Specify color)
M-1374	Support-Bar, Elevator Mounting Board
M-1400-2	Slug-Rejector, Canada, 5¢ Cyprus, 25 Mils United States, 5¢
M-1400-3	Slug-Rejector, Canada, United States, Dime
M-1400-4	Slug-Rejector. Canada, Quarter $, Cyprus, 50 Mils, Switzerland, 1 Fr. United States, Quarter $
M-1400-5	Slug-Rejector, United Kingdom, 6d.
M-1400-6	Slug-Rejector, France, 20 Fr.
M-1400-7	Slug-Rejector, Australia, 6d.
M-1400-9	Slug-Rejector, Belgium, 1 Fr.
M-1400-10	Slug-Rejector, Belgium, 5 Fr.
M-1400-11	Slug-Rejector, Switzerland, 20 Cts.
M-1400-12	Slug-Rejector, Switzerland, 50 Cts.
M-1400-13	Slug-Rejector, Greece, 1 Dr.
M-1400-15	Slug-Rejector, Italy, L.50
M-1400-16	Slug-Rejector, Italy, L.100
M-1400-17	Slug-Rejector, Germany, 10 Pf.
M-1400-18	Slug-Rejector, Germany, 50 Pf.
M-1400-19	Slug-Rejector, Germany, 1 DM
M-1400-20	Slug-Rejector, Norway, 50 öre
M-1400-24	Slug-Rejector, Finland, 20 p.
M-1400-25	Slug-Rejector, Finland, 50 p.
M-1400-26	Slug-Rejector, Sweden, 25 öre

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

M-1400-27	Slug-Rejector, Sweden, 50 öre
M-1400-28	Slug-Rejector, Sweden, 1 Kr.
M-1400-29	Slug-Rejector, Netherlands, 10 cents
M-1400-30	Slug-Rejector, Greece, 2 Dr.
M-1400-31	Slug-Rejector, Denmark, 25 øre
M-1400-32	Slug-Rejector, Denmark, 1 Kr.
M-1400-33	Slug-Rejector, Japan, 10 Y
M-1400-34	Slug-Rejector, Japan, 50 Y
M-1400-35	Slug-Rejector, Switzerland, 1 Fr.
M-1400-36	Slug-Rejector, Austria, 1 S
M-1400-38	Slug-Rejector, Japan, 100 Y
M-1400-39	Slug-Rejector, Austria, 5 S
M-1400-40	Slug-Rejector, Austria 10 S
M-1400-71	Slug-Rejector, United Kingdom, 1/–
M-1400-78	Slug-Rejector, Netherlands, 25 cent
M-1400-80	Slug-Rejector, United Kingdom, 2/–
M-1411-2	Push-Nut, Butterfly Switch & Rod Assy.
M-G-4109-1	Gear (First Gear), Score Motors E-119-315, E-119-332, E-119-336
M-G-5818-1	Gear (Double Gears), Score Motors E-119-315, E-119-332, E-119-336
MS-256-2-410	Screw, Machine
MS-256-3-410	"
MS-348-6-110	"
MS-436-10-110	"
MS-440-12-110	"
MS-540-5-510	"
MS-540-6-110	"
MS-540-7-110	"
MS-540-8-110	"
MS-540-9-110	"
MS-540-9-112	"
MS-540-10-110	"
MS-540-11-110	"
MS-540-12-110	"
MS-540-14-110	"
MS-540-15-110	"
MS-540-16-110	"
MS-540-17-110	"
MS-540-18-110	"
MS-540-20-110	"
MS-540-20-510	"
MS-540-21-110	"
MS-540-24-110	"
MS-540-26-110	"
MS-540-30-110	"
MS-540-32-110	"
MS-540-34-110	"
MS-540-38-110	"
MS-540-48-510	"
MS-632-4-510	"
MS-832-4-810	Screw, Machine
MS-832-5-510	"
MS-832-5-612	"
MS-832-6-510	"
MS-832-6-611	"
MS-832-11-120	"
N-440-110	Nut
N-440-1111	"
N-832-1110	"
N-832-1111	"
N-1024-1111	Nut, Hexagon Head, Rebound Assys.
N-1032-1110	Nut, Bell Assy., Match Units
N-1032-1111	Nut
P-108	Bracket, Coil, Ball-Ejector Assys., Gong Assy. AS-385-5
P-108-3	Bracket, Adjustment-Screw, Sounder Assy.
P-108-35	Bracket, Coil, Ball-Stop Assys., Ball-Trough & Switch Assys.
P-108-42	Bracket, Coil, Gong Assy. AS-385-6
P-108-53	Bracket, Coil, Flipper Units (See NOTE A, page 61); Swivel-Type Free-Ball Gates; Target Kicker Assy.
P-126-154	Switch-Plate, Flat
P-126-163	Back-up Plate, Target-Switch Assy.
P-126-247	Plate, Switch Mounting
P-126-248	Bracket, Rebound-Switch Assy.
P-126-252	Bracket, Switch & Bracket Assy. AS-982-160
P-126-408	Bracket, Tilt-Switch & Bracket Assy.
P-126-471	Bracket, Switch & Bracket Assy. AS-982-509; Target-Switch Assy.
P-126-525	Bracket, Coin-Switch Assys. AS-1698-11, AS-1698-12
P-126-473	Back-up Plate, Bounce-Switch; Tilt-Switch; Tilt-Switch & Bracket Assy.
P-126-499	Back-up Plate (Kicker-Button Switch)
P-126-502	Bracket, Switch & Bracket Assy., Trip Relay Resets
P-126-504	Bracket, Switch & Bracket Assy. AS-982-499
P-126-535	Bracket, Switch, Switch & Bracket Assys. Trip Relay Resets (See NOTE C, page 30A)
P-126-537	Bracket, Switch, Switch & Bracket Assys., Score Motor Units (See NOTES A, B, page 31A)
P-126-540	Bracket, Switch, Switch & Bracket Assys., Trip Relay Resets (See NOTE C, page 30A)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-126-544	Bracket, Switch Mounting, Switch & Bracket Assy. AS-982-570
P-137-3	Switch-Plate, Flat
P-137-5	Switch-Plate, Spring
P-137-12	"
P-140-45	Shield, Insulator (See NOTE A, page 39)
P-150-60	Insulator, Coin-Switch Assys. AS-1698-2, AS-1698-3
P-258-23	Washer, Number-Wheel & Hub Assys., Added Balls Counter; Replay Counter (See illustration, page 34)
P-268	Soldering Lug
P-274	Hanger (Plumb-Bob Tilt)
P-275	Contact-Bracket (Plumb-Bob Tilt)
P-310-14	Washer, Number-Wheel & Hub Assys., Added Balls Counter; Replay Counter (See illustration, page 34)
P-318-2	Bracket, Rebound Assy. AS-493-2
P-318-3	Bracket, Rebound Assy. AS-493-3
P-363-3	Plate, Ball-Control (See illustration, page 43)
P-363-4	"
P-364-20	Runway, Ball-Trough & Switch Assys. (See NOTE C, page 46)
P-364-21	"
P-405-14	Solder-Lug
P-448	Snap-Washer for 5/16 in. dia. Shaft, .040–.037 in. thick
P-448-1	Snap-Washer for 1/4 in. dia. shaft, .031 in. thick
P-448-2	Snap-Washer for 7/16 in. dia. shaft, .055 in. thick
P-748-2	Bell, Gong Assy. AS-385-5
P-748-5	Bell, Gong Assy. AS-385-6
P-748-17	Lock-Cam, Back Door
P-800-6	Washer, White Nickel Finish, .192–.194 in. inside, dia., .635–.615 in. outside dia., .062 in. thick
P-801-12	Washer, Cadmium Plated, .192–.194 in. inside dia., .640–.610 in. outside dia. .042 in. thick
P-801-15	Washer, Black Oxide Finish, .193 in. inside dia., 1/2 in. outside dia., .050 in. thick
P-801-30	Washer, Brass, .188–.190 in. inside dia., .350–.340 in. outside dia., .031 in. thick
P-801-34	Washer, Brass, .193 in. inside dia., 7/16 in. outside dia. .032 in. thick
P-801-98	Washer, Cadmium Plated, .126–.129 in. inside dia., .260–.240 in. outside dia. .020 in. thick
P-801-102	Washer, Cadmium Plated, .440–.442 in. inside dia., 3/4 in. outside dia., 1/16 in. thick
P-801-107	Washer, Cadmium Plated, .169–.171 in. inside dia., 5/8 in. outside dia., 1/16 in. thick
P-801-122	Washer, Cadmium Plated, 7/16 in. inside dia., 3/4 in. outside dia., 1/16 in. thick
P-801-123	Washer, Rubber, .440–.450 in. inside dia., 3/4 in. outside dia., 3/32 in. thick
P-801-145	Washer, Cadmium Plated, .218–.220 in. inside dia., 7/16 in. outside dia., 1/32 in. thick
P-801-193	Washer, Cadmium Plated, .265 in. inside dia., 3/4 in. outside dia., .062 in. thick
P-801-241	Washer, Cadmium Plated, .377–.380 in. inside dia., 3/4 in. outside dia., .062 in. thick
P-801-353	Washer, White Nickel Finish, .189–.191 in. inside dia., 3/4 in. inside dia., .062 in. thick
P-801-363	Washer, Nylon, .208–.212 in. inside dia., 1/2 in. outside dia., 1/32 in. thick
P-801-364	Washer, White Nickel Finish, .087–.089 in. inside dia., 3/16 in. outside dia., 1/32 in. thick
P-801-470	Washer, Nylon, .135–.132 in. inside dia., 15/32 in. outside dia., .031–.035 in. thick

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-801-485	Washer, Nylon, 17/64 in. inside dia., 1/2 in. outside dia., 1/32 in. thick
P-801-494	Washer, Nylon, .208–.212 in. inside dia., 3/8 in. outside dia., 1/32 in. thick
P-921-47	Armor, Front
P-921-48	Side-Rail, Stainless Steel, Left
P-921-49	Side-Rail, Stainless Steel, Right
P-1158-5	Spring Washer, Lock Assys., Front Moulding Assy., BLUE RIBBON and later games
P-1158-6	Spring-Washer, Coil, Ball-Ejector Assys.; Continuous Stepping Units; Coil, Step-up, Added Balls Counter; Replay Counter; Reset-type Stepping Units
P-1158-9	Spring-Washer, Coil, Trip Relay Resets
P-1158-20	Spring-Washer, Swivel-Type Free-Ball Gates
P-1365-537	Cam, Score Motor Assys. (See NOTES A, B, page 31A) (Specify Cam position, game name)
P-1365-538	"
P-1365-539	"
P-1365-540	"
P-1365-541	"
P-1365-542	"
P-1365-543	"
P-1365-544	"
P-1365-545	"
P-1365-546	"
P-1365-547	"
P-1365-554	"
P-1365-564	"
P-1365-565	"
P-1365-566	"
P-1365-567	"
P-1365-568	"
P-1365-569	"
P-1365-570	"
P-1376-1	Number-Wheel, Number-Wheel & Hub Assy., Replay Counter
P-1417-1	Bracket, Number-Wheel, Replay Counter Assy.
P-1637-1	Roll-Pin, 5/8 in. lg. for 1/8 in. dia. hole
P-1637-4	Roll-Pin, 1/2 in. lg. for 3/32 in. dia. hole
P-1637-8	Roll-Pin, 1 in. lg. for 1/8 in. dia. hole, 7/32 lg. taper
P-1637-10	Roll-Pin, 5/8 in. dia. for 1/8 in. dia hole, 3/16 in. ig. taper
P-1637-16	Roll-In, 5/8 in. lg. for 3/32 in. dia. hole, 3/16 in. lg. taper
P-1637-30	Roll-Pin, 1/2 in. lg. for 3/32 in. dia. hole, 3/16 in. lg. taper
P-1637-31	Roll-Pin, 5/8 in. lg. for 3/16 in. dia. hole,
P-1637-43	Roll-Pin, 3/8 in. lg. for 1/8 in. dia. hole
P-1901	Washer, Rebound Assys.
P-1973-114	Link, 4-Steps Free-Ball Escape Assy.
P-1973-147	Support Bar Shim, Elevator Mounting Board
P-2210-145	Plate, Hold
P-2236-6	Bracket, Coil, Bracket & Core Plug Assys., Trip Relay Resets (See NOTE A, page 30A)
P-2236-14	"
P-2239	Link, Reset-Arm & Link Assys. AS-2373, AS-2373-1
P-2293-8	Cup, Spring, Bracket & Core Plug Assys., Trip Relay Resets (See NOTE A, page 30A)
P-2451	Washer, Number-Wheel & Hub Assys., Added Ball Counter; Replay Counter (See illustration, page 34)
P-2768-9	Escutcheon-Plate, Hold Button
P-2768-26	Push Button Guide
P-2879	Cup-Washer, Ball-Shooter Assy.
P-2891-1	Retaining-Ring for 3/32 in. dia. shaft
P-2891-4	Retaining-Ring for 5/32 in. dia. shaft
P-2891-5	Retaining-Ring for 3/16-7/32 in. dia. shaft
P-2891-6	Retaining-Ring for 1/4-9/32 in. dia. shaft
P-2891-8	Retaining-Ring for 3/8-13/32 in. dia. shaft
P-2996-1	Switch-Cover (Ball-Gate & Switch Assys. AS-1315, AS-1315-4)
P-2996-2	Switch-Cover (Ball-Gate & Switch Assy. AS-1315-3)
P-3045-9	Lock-Plate (Coin-Box)
P-3089-24	Cover, Coin-Box A-2790-5
P-3089-26	Cover, Coin-Box A-2790-13
P-3299-2	Button, Hold 21, 2 IN 1
P-3382	Pawl, Index, Continuous Stepping Units
P-3384	Spring-Stop, Added Balls Counter; Replay Counter; Reset-type Stepping Units
P-3386	Stop-Plate, Continuous Stepping Units
P-3387	Pawl, Escapement, Added Balls Counter; Replay Counter; Single-Step Reset Stepping Units (See NOTE A, page 40)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-3387-1	Pawl, Escapement, Single-Step Reset Stepping Units (See NOTE A, page 40)
P-3389	Retaining-Ring for 3/4 in. dia. shaft
P-3399-2	Button, Hold
P-3656-1	Link-Plate, Metal, Coil & Bracket Assys. (Thumper Bumper)
P-3656-2	Link-Plate, Bakelite, Coil & Bracket Assy. AS-1567-3 (See NOTE C, page 51)
P-3657	Bracket, Coil, Coil & Bracket Assys. (Thumper Bumper)
P-3658-3	Mounting Bracket, Coil & Bracket Assy. AS-1567-5 (See NOTE E, page 61)
P-3691-10	Base-Plate, Target Kicker Assy.
P-3705-1	Retainer, Ball Tilt Assy.
P-4005-1	Lock-Cam, Front Door
P-4052-2	Leg
P-4491	Pawl, Hold, Advance Units; Alternator Units; 50/50 Unit; Match-Wheel Unit; Score Counter Units; Target Selector Unit
P-4492-1	Rocker-Arm, Alternator Unit (See NOTE A, page 70)
P-5052	Mounting Bracket (See NOTE A, page 38)
P-5052-11	"
P-5052-14	"
P-5222-1	Stop-Plate, Advance Unit; Alternator Unit
P-5584	Pawl-Extension, Score Counter Units (See NOTE O, page 35)
P-5683-1	Brace, Cabinet
P-5851	Holder, Switch-Actuator, Score Motors (See illustration, page 31)
P-5852	Switch-Actuator, Score Motor Assys. (See NOTES D, E, page 31)
P-5852-2	"
P-5867	Bracket (See illustration, page 56) (Specify color)
P-5867-1	Bracket (See illustration, page 56) (Specify color)
P-5867-2	Bracket (See NOTE B, page 56)
P-5867-3	Bracket (See illustration, page 56)
P-5867-4	Bracket (See NOTE C, page 56)
P-5894	Bracket, Ball-Trough & Switch Assys. (See NOTE C, page 46)
P-5899	Cover, Rebound, Chrome, 3/4 in. wide, 6 in. between hole centers
P-5899-1	Cover, Rebound, Chrome, 5/8 in. wide, 3-9/16 in. between hole centers
P-5899-2	Cover, Rebound, Chrome, 5/8 in. wide, 2-1/16 in. between hole centers
P-5899-3	Cover, Rebound, Chrome, 5/8 in. wide, 3-3/32 in. between hole centers
P-5899-4	Cover, Rebound, Chrome, 5/8 in. wide, 3-23/32 in. between hole centers
P-5899-5	Cover, Rebound, Chrome, 5/8 in. wide, 1-13/16 in. between hole centers
P-5899-6	Cover, Rebound, Chrome, 5/8 in. wide, 2-7/8 in. between hole centers
P-5899-7	Cover, Rebound, Chrome, 5/8 in. wide, 3-1/2 in. between hole centers
P-5899-8	Cover, Rebound, Chrome, 5/8 in. wide, 2-1/8 in. between hole centers
P-5899-9	Cover, Rebound, Chrome, 5/8 in. wide, 1-1/2 in. between hole centers
P-5899-10	Cover, Rebound, Chrome, 5/8 in. wide, 4-1/2 in. between hole centers
P-5899-11	Cover, Rebound, Chrome, 5/8 in, wide, 2-1/2 in. between hole centers
P-5899-12	Cover, Rebound, Chrome 5/8 in. wide, 1-1/8 in. between hole centers
P-5899-13	Cover, Rebound, Chrome 5/8 in. wide, 3-1/8 in. between hole centers
P-5899-14	Cover, Rebound, Chrome, 3/4 in. wide, 6-15/32 in. between hole centers
P-5899-16	Cover, Rebound, Chrome, 5/8 in. wide, 2-11/16 in. between hole centers
P-5899-17	Cover, Rebound, Chrome, 3/4 in. wide, 6-3/4 in. between hole centers
P-5899-19	Cover, Rebound, Chrome, 5/8 in. wide, 1-1/4 in. between hole centers
P-5900-1	Plate, Retaining, Ball-Shooter Assy.
P-5906-2	Top (Outside Moulding), Front Moulding Assy. (See NOTES, D, M, page 43)
P-5906-8	Top (Outside Moulding), Front Moulding Assy. (See NOTE MA, page 44)
P-5923	Ball-Lifter, Ball-Lifter Assy.
P-5924	Bracket, Ball-Lifter Assy.
P-5925	Ball-Guide ("Banana Groove" (Ball-Lifter)
P-5940	Trim, Front-Door, Left or Right (See NOTE N, page 44)
P-5940-1	Trim, Front-Door, Top (See NOTE N, page 44)
P-5940-2	Trim, Front-Door, Bottom (See NOTE N, page 44)
P-5940-5	Trim, Front Door, Top (See NOTE N, page 44)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-5940-12	Trim, Front, Left or Right (See NOTE N, page 44)
P-5940-13	Trim, Front Door, Top (See NOTE N, page 44)
P-5940-14	Trim, Front Door Bottom (See NOTE N, page 44)
P-5941	Ball-Stop (At top of Ball-Lifter stroke)
P-5946	Cover, Front Door (See NOTE C, page 47)
P-5946-2	"
P-5946-3	"
P-5946-10	"
P-5946-11	"
P-5946-12	"
P-6000	Bracket, Swing-Type Free-Ball Gates (See NOTE D, page 57)
P-6000-1	"
P-6006	Link, Ball-Stop Assys., Ball-Trough & Switch Assys.
P-6046-1	Bracket, Slug-Rejector Mounting
P-6046-6	Bracket, Slug-Rejector Mounting (See NOTE BA, page 47)
P-6123	Cover, Replay Counter
P-6213	Bracket, Ball-Stop, Ball-Trough & Switch Assys.
P-6231-1	Retaining-Ring (Shaft), Swivel-Type Free-Ball Gates
P-6231-2	Retaining-Ring (Stud), Swivel-Type Free-Ball Gate Assys. (See FASTENER NOTE, page 58)
P-6242-3	Backglass-Retainer, Bottom, Multiple-players games
P-6242-4	Backglass-Retainers, Top, Multiple-players games
P-6242-5	Backglass-Retainer, Left or Right, Single-player or multiple-players games
P-6242-6	Backglass-Retainer, Bottom, Single-player games
P-6242-7	Backglass-Retainer, Top, Single-player games
P-6243-2	Latch (Backglass-Retainer)
P-6254	Bracket, Rollover (See illustration, page 54); (Target Kicker Assy.)
P-6254-1	Bracket, Rollover (See illustration, page 54)
P-6255-8	Unit-Brace (Replay Counter)
P-6256	Bracket, Stop, Flipper Units (See NOTE A, page 61); Swivel-Type Free-Ball Gates; Target Kicker Assy.
P-6264-1	Bracket, Lock Mounting, Score Motor Assys. (See NOTE A, page 31B)
P-6297-1	Cover, Coin Switch
P-6316-4	Retaining Ring (Rod), Score Motor Assys. (See NOTE A, page 31A)
P-6344	Back-Wall, Ball-Trough (Automatic Ball-Return)
P-6346	Guide, Ball-Return (Curved stamping) (Automatic Ball-Return)
P-6350-2	Coin-Entry Plate, Canada, 5¢ United States, 5¢
P-6350-3	Coin-Entry Plate (SPECIFY COIN), Canada, Dime, Cyprus, 25 Mils, United States, Dime
P-6350-4	Coin-Entry Plate (SPECIFY COIN) Austria, 1 S, Canada, Quarter $, Cyprus, 50 Mils, Switzerland, 1 Fr., United States, Quarter $
P-6350-5	Coin-Entry Plate (SPECIFY COIN) Australia, 6 d., United Kingdom, 6 d.
P-6350-6	Coin-Entry Plate (SPECIFY COIN), Denmark, 25 øre, France, 20 Fr., Japan, 10 Y.
P-6350-7	Coin-Entry Plate, Italy, L. 100
P-6350-8	Coin-Entry Plate (SPECIFY COIN) Belgium, 1 Fr., Greece, 1 Dr., Norway, 50 øre, Sweden, 50 öre, Switzerland, 20 Cts.
P-6350-9	Coin-Entry Plate (SPECIFY COIN) Finland, 50 p., Greece, 2 Dr., Italy, L.50, Japan, 50 Y, Sweden, 1 Kr.
P-6350-10	Coin-Entry Plate, Switzerland, 50 Cts.
P-6350-11	Coin-Entry Plate, Finland, 20 p.
P-6350-12	Coin-Entry Plate, Netherlands, 10 cent
P-6350-13	Coin-Entry Plate, Denmark, 1 Kr.
P-6350-14	Coin-Entry Plate, Sweden, 25 öre
P-6350-15	Coin-Entry Plate, Germany, 10 Pf.
P-6350-16	Coin-Entry Plate, Germany, 50 Pf.
P-6353	Actuator (Butterfly Rollover)
P-6354	Bracket (Butterfly Rollover)
P-6360-2	Latch-Rail, Playfield Panel, Left
P-6360-6	Latch-Rail, Playfield Panel, Right
P-6360-7	Latch-Rail, Playfield Panel, Left
P-6360-11	"
P-6360-13	"
P-6363	Latch-Lever (Front Moulding)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-6364 Bracket, Front Moulding,
Lock Assy., Front Moulding,
GRAND TOUR and later games
through TRIO Add-A-Ball

P-6364-1 Bracket, Front Moulding,
Lock Assy., Front Moulding,
(See NOTE 2-A, page 47)

P-6364-2 Bracket, Front Moulding,
Lock Assy., Front Moulding,
BLUE RIBBON and later games

P-6365 Latch, Front Moulding,
Lock Assy., Front Moulding,
MAD WORLD and later games
through TRIO Add-A-Ball

P-6365-1 Latch, Front Moulding,
Lock Assy., Front Moulding,
BLUE RIBBON and later games

P-6366-1 Bracket, Replay Switch Protector
(See NOTE BA, page 47)

P-6368 Bracket, Arch-Rest,
Lock Assy., Front Moulding,
MAD WORLD only
(See NOTE 1-A, page 47)

P-6431-1 Coin-Spacer Guide,
Austria, 1 S,
Belgium, 1 Fr.,
Canada, 5¢
Finland, 20 p.,
Germany, 10 Pf.,
Japan, 100 Y,
Norway, 50 øre
Sweden, 50 öre,
Switzerland, 20 Cts.,
United States, 5¢

P-6431-2 Coin-Guide Spacer,
Canada, Dime,
Sweden, 50 öre,
Switzerland, 50 Cts.
United States, Dime

P-6431-3 Coin-Guide Spacer,
Austria, 5 S,
Belgium, 5 Fr.,
Canada, Quarter $,
Denmark, 25 øre,
France, 20 Fr.,
Germany, 1 DM,
Japan, 10 Y,
Switzerland, 1 Fr.,
United Kingdom, 1/–
United States, Quarter $

P-6431-4 Coin-Guide Spacer,
Australia, 6 d.,
Germany, 50 Pf.,
Netherlands, 25 cent,
United Kingdom, 6 d.

P-6431-5 Coin-Guide Spacer,
Denmark, 1 Kr.,
Finland, 50 p.,
Italy, L. 50,
Japan, 50 Y,
Sweden, 1 Kr.

P-6431-6 Coin-Guide Spacer, Austria, 10 S

P-6431-7 Coin-Guide Spacer, Netherlands, 10 cents

P-6505 U-Bracket, Target Selector Unit

P-6629-2 Bracket, Support,
Score Motor Assys.
(See NOTE A, page 31A)

P-6629-8 Bracket, Hinge Mounting,
Score Motor Assys.
(See NOTE A, page 31A)

P-6629-9 Support-Channel, Back Cabinet

P-6647 Panel Guide, Left

P-6647-1 Panel Guide, Right

P-6665-30 Switch-Guard (Mystery Bonus)

P-6694 Coin-Guide,
Australia, 6 d.,
Austria, 1 S, 5 S, 10 S,
Belgium, 1 Fr., 5 Fr.,
Canada, 5¢, Dime, Quarter $
Denmark, 25 øre, 1 Kr.,
Finland, 20 p., 50 p.,
France, 20 Fr.,
Germany, 10 Pf., 50 Pf., 1 DM,
Italy, L. 50, L. 100,
Japan, 10 Y, 50 Y, 100 Y,
Netherlands, 25 cent
Norway, 50 øre,
Sweden, 25 öre, 50 öre, 1 Kr.,
Switzerland, 20 Cts., 50 Cts., 1 Fr.,
United Kingdom, 6 d.,
United States, 5¢, Dime, Quarter $

P-6694-2 Coin-Guide, Netherlands, 10 cent

P-6695 Coin-Guide (All coins),
Coin-Switch & Mounting Assy., AS-277-97

P-6698 Plate, Side (End opposite Motor end),
Score Motor Assys.
(See NOTE A, page 31A)

P-6698-1 Plate, Side (Motor end),
Score Motor Assys.
(See NOTE A, page 31A)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

P-6716	Cam, Actuator, Match-Wheel Unit; Score Counter Units (See NOTE Q-A, page 35)
P-6719	Support Bar Clamp, Elevator Mounting Board
P-6720	Support Bar Channel, Elevator Mounting Board
P-6721	Support Bar Guide, Elevator Mounting Board
P-6739	Ball-Guide (Kickback Gate) (See illustration, page 29F)
P-6740	Bracket, Arch Extension (Kickback Gate)(See illustration, page 29E)
P-6785	Bracket, Ball Guide (Kickback Gate) (See illustration, page 29E)
P-6815	Spacer-Plate (Mystery Bonus)
PW-8-10	Washer
PW-10-10	"
Q33-12-125-FO-144	Switch-Actuator, Score Motor Assys. (See illustration, page 31)
Q33-12-208-FO-145	"
Q33-12-214-FO-142	"
Q33-12-217-FO-143	"
R-111-14	Grommet, Trip Relay Resets
R-111-29	Grommet, Continuous Stepping Units; Gong Assy. AS-385-5
R-111-31	Grommet, Gong Assy. AS-385-6
R-115-4	Bushing, Rubber, Rebound Assys.
R-135	Ring, Rubber, 1 in. inside dia.
R-137	Ring, Rubber, 3/4 in. inside dia.
R-141	Ring, Rubber, 1-1/2 in. inside dia.
R-156-26	Bushing, Bumper, Ball-Lifter Assy.
R-196	Ring, Rubber, 2 in. inside dia.
R-221-23	Glass-Cushion, Rubber, Narrow
R-221-28	Glass-Cushion, Rubber, Wide
R-231-11	Bumper-Plug, Ball-Lifter Assy., Latch-Lock Assys.
R-243	Ring, Rubber, 5/16 in. inside dia.
R-284-5	Ring, Rubber, 2-1/2 in. inside dia.
R-295-5	Ring, Rubber, 3 in. inside dia.
R-296-5	Ring, Rubber, 3-1/2 in. inside dia.
R-385-5	Ring, Rubber, 4 in. inside dia.
R-392	Bumper, Rubber, Kickback Arm Assy. AS-2381
R-400	Bumper, Rubber
S-164-16	Main-Shaft, Trip Relay Resets (See NOTE A, page 30A)
S-164-17	"
S-164-22	"
S-164-23	"
S-164-24	"
S-164-25	"
S-164-28	"
S-164-30	"
S-164-31	"
S-164-32	"
S-164-38	"
S-164-39	"
S-164-42	"
S-164-43	"
S-164-45	"
S-164-46	"
S-164-47	"
S-164-49	"
S-164-50	"
S-164-51	"
S-164-53	"
S-181-48	Shaft, Ball-Ejector Assys. (See NOTE E, page 45; NOTE C, page 63)
S-231-99	Bushing, Rebound Assy. AS-493-3
S-231-332	Bushing (Contact Strip Assy.), Full Reset Stepping Units (See NOTE A, page 39)
S-231-669	Bushing, (Used with Ball-Gate & Switch Assy. AS-1315-3)
S-231-672	Bushing, Lock Assys., Front Moulding
S-231-695	"
S-231-699	Bushing, Match-Wheel Unit; Score Counter Units (See NOTE Q-A, page 35)
S-413-356	Pin, Ball-Lifter Assy.
S-458-20	Shoulder-Pin
S-490-18	Button, Scavenger (See page 48A)
S-496-37	Pin, Ratchet, Stepping Units
S-496-38	Plunger, Ball-Ejector Assys.
S-496-100	Plunger, Step-up, Added Balls Counter; Replay Counter; Stepping Units (50 Steps)
S-496-101	Plunger, Reset, Added Balls Counter; Replay Counter; Reset-type Stepping Units
S-496-118	Plunger, Coil & Bracket Assy. (Thumper Bumper)
S-496-119	Plunger, Sling-Shot Kicker Assy.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

S-496-150	Plunger, Advance Unit (See NOTE C, page 41); Score Counter Units (See NOTE K, page 35)
S-496-160	Plunger, Advance Unit (See NOTE A, page 36); Advance Unit, MAGIC CIRCLE, TRIO; Alternator, Unit; 50/50 Unit; Score Counter Units (See NOTE K, page 35)
S-496-161	Plunger, Ball-Stop Assys., Ball-Trough & Switch Assys.
S-496-162	Plunger, Step-up, Stepping Units (60 Steps)
S-496-167	Plunger, Flipper Units (See NOTE A, page 61); Swivel-Type Free-Ball Gates (See NOTE A, page 58)
S-496-168	Plunger, 4-Steps Ball-Escape Assy.
S-737-48	Pivot Pin
S-739-8	Pin, Bounce-Switch
S-739-44	Pin (Rejector Mounting Assy.)
S-739-144	Shaft, Ball-Ejector Assys. (See NOTE E, page 45; NOTE C, page 63)
S-739-171	Rod, Score Motor Assys. (See NOTE A, page 31A)
S-907-4	Shaft, Swivel-Type Free-Ball Gates (See NOTE B, page 58)
S-907-5	"
S-1065-3	Core-Plug, Bracket & Core Plug Assys. Trip Relay Resets (See NOTE A, page 30A)
S-1071-130	Pin, Advance Unit (See NOTE F, page 41); Score Counter Unit (See NOTE J, page 35)
S-1071-474	Pin (Mystery Bonus)
S-1275-59	Tie-Rod, Trip Relay Resets
S-1275-63	"
S-1275-64	"
S-1275-74	"
S-1275-76	"
S-1275-78	"
S-1275-87	"
S-1275-116	"
S-1275-121	"
S-1275-125	"
S-1275-135	"
S-1275-137	"
S-1275-138	"
S-1275-146	"
S-1595	Hub, Rotor Assys. AS-1699-1, AS-1699-2
S-1910	Bushing (Kicker-Button)
S-1921	Rod, Butterfly Switch & Rod Assy.
S-1922	Screw, Lock Adjustment, Front Moulding Assy. (See NOTE M, page 43)
S-1946-1	Push-Button, Push-Button Assy. AS-2377-1
S-1947	Shaft, Hexagon, Cam Assys., Score Motor Assys. (See NOTES A, B, page 31A)
S-1949	Spacer, Cam Assys., Score Motor Assys., (See NOTES A, B, page 31A)
S-1952	Anvil, Kickback Arm Assy. AS-2381
SP-100-30	Spring, Extension, Scavenger (Rejector Mounting Assy.)
SP-100-110	Spring, Extension, Escapement Pawl, Added Ball Counter; Replay Counter; Single-Step Reset Stepping Units
SP-100-113	Spring, Extension, Pawl, Reset, Reset-type Stepping Units (See NOTE C, page 39, NOTE B, page 40) Step-up Arm Assy., Stepping Units (See NOTE A, page 38) (See NOTE B, pages 39, 40)
SP-100-119	Spring, Extension, Continuous Stepping Units (See NOTE A, page 37); Replay Counter (See NOTE B, page 33)
SP-100-120	Spring, Extension, Reset Pawl, Reset-type Stepping Units (See NOTE B, pages 39, 40)
SP-100-121	Spring, Extension, Advance Units; Alternator Units; 50/50 Unit; Match-Wheel Unit; Score Counter Units; Target Selector Unit
SP-100-125	Spring, Extension, Reset Pawl, Full-Reset Stepping Units (See NOTE C, page 39); Step-up Arm Assy., Added Balls Counter; Continuous Stepping Units (See NOTE A, pages 37,38); Full-Reset Stepping Units (See NOTE B, page 40); Replay Counter (See NOTE B, page 33)
SP-100-164	Spring, Extension, Armature-Plate, Trip Relays (See illustration, page 30B)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

SP-100-177 Spring, Extension, Ball-Stop Assys., Ball-Trough & Switch Assys.

SP-100-220 Spring, Extension, (Roll-Unders)

SP-100-230 Spring, Extension, Bracket & Spring-Hook Assy., Ball-Ejector Assys.

SP-100-233 Spring, Extension, 4-Steps Ball-Escape Assy.

SP-115 Spring, Extension, Armature-Latch, Trip Relays, Natural (Not dyed) (See illustration, page 30B)

SP-148 Spring, Extension, (Slug-Rejector Latch)

SP-192 Spring, Extension, Armature-Latch, Trip Relays, Red (See illustration, page 30B)

SP-196-2 Spring, Extension, Trip Relay Resets, Natural (Not dyed)

SP-196-3 Spring, Extension, Trip Relay Resets, Red

SP-199-11 Spring, Extension, Ejector Kicker Assy., Ball-Ejector Assys. (Playfield) (See NOTE E, page 63)

SP-199-13 Spring, Extension, "KK" Type Relays, Natural (Not dyed)

SP-199-14 Spring, Extension, "KK" Type Relays, Blue

SP-199-15 Spring, Extension, "KK" Type Relays, Yellow

SP-199-16 Spring, Extension, "KK" Type Relays, Red

SP-199-17 Spring, Extension, "KK" Type Relays, Green

SP-199-25 Spring, Extension, Ejector-Kicker Assy., Ball-Ejector Assys. (Automatic Ball-Return); (Playfield) (See NOTE E, page 63)

SP-200-7 Spring, Compression, Sounder Assy.

SP-200-19 Spring, Compression, Sling-Shot Kicker Assys.

SP-200-24 Spring, Compression, Ball-Shooter Assy. (On Rod)

SP-200-31 Spring, Compression, Cam Assy., Score Motor Assys. (See NOTE A, page 31A)

SP-200-105 Spring, Compression, Coil & Bracket Assys. (Thumper Bumper)

SP-200-155 Spring, Compression, Pusher-Assy. (Ball-Lifter)

SP-200-162 Spring, Compression, Mushroom Bumper Assy.

SP-240 Spring, Compression, Flipper Units; Target Kicker Assy.

SP-240-2 Spring, Compression, Swivel-Type Free-Ball Gate Assys.

SP-247 Spring, Compression, Ball-Shooter Assy. (Between Housing and Knob)

SP-248 Spring, Compression, Standard Bumper Assys., Thumper Bumper Assys.

SP-370 Spring, Torsion, Added Balls Counter; Replay Counter; Reset-Type Stepping Units

SP-370-1 Spring, Torsion, Full Reset Stepping Units (See NOTE A, page 39)

SP-385 Spring, Torsion, Advance Units; Alternator Units; 50/50 Unit; Score Counter Units (See NOTE C-A, page 35); Target Kicker Unit

SP-385-3 Spring, Torsion, Score Counter Units (See NOTE C-A, page 35)

SP-385-4 "

SP-385-5 Spring, Torsion, Match-Wheel Unit; Score Counter Units (See NOTE C-A, page 35)

SP-399-3 Spring, Torsion, Ball-Lifter Assy.

SP-399-20 Spring, Torsion, Coin-Switch & Rejector Mounting Assy. AS-277-97

SP-401 Spring, Torsion, Bell-Striker Assy., Match Units

SP-403 Spring, Torsion, Swing-Type Free-Ball Gates (See NOTE E, page 57)

SP-433-1 Spring, Wire Retaining (See NOTE A, page 39)

SP-447-1 Spring, Rotor Assy. AS-1699-1

SP-447-2 Spring, Rotor Assy. AS-1699-2

SS-1/4-28-4-1107 Set-Screw, Swivel-Type Free Ball Gates; Target Kicker Assy.

SW-M-35 Switch (See NOTE F, page 63)

SW-M-44 Switch (See NOTE G, page 63)

SW-M-45 Switch, Rollover (See illustration, page 54)

SW-000-11 Switch, Ball Tilt Assy.

SW-000-29 Brake, Score Motor Assys.

SW-000-31 Switch-Actuator, Score Motor Assys. (See NOTE A, page 32)

SW-001-2 Switch, Trip Relays (See NOTE A, page 30A)

SW-001-46 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-001-47 Switch (See NOTE, page 39)

SW-001-50 Switch, Out-Hole (See illustration, page 53)

SW-001-52 Switch, Ball-Stop Assys. Ball-Trough & Switch Assys. (See NOTE C, page 46)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

SW-001-56 Switch, Single-Step Reset Stepping Units (See NOTE A, page 40)

SW-001-61 Switch, Score Counter Units (See NOTE N, page 35)

SW-002-7 Switch, Trip Relays (See NOTE A, page 30A)

SW-002-9 "

SW-002-10 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-002-13 Switch, Switch & Bracket Assys. Score Motor Assys. (See NOTES A, B, page 31A)

SW-003-2 Switch, Trip Relays (See NOTE A, page 30A)

SW-003-5 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-003-7 "

SW-003-8 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)

SW-004-6 Switch, Trip Relays (See NOTE A, page 30)

SW-004-21 "

SW-010-15 "

SW-010-26 Switch, Ball-Gate & Switch Assy. AS-1315

SW-010-46 Switch, Added Balls Counter, Limit in AS-797-112, Open at zero in AS-797-102; Full Reset Stepping Units (See NOTE A, page 39); Replay Counter (Open at top score)

SW-010-66 Switch, Switch & BracketAssys. AS-982-160,AS-982-499 (See illustration, page 52)

SW-010-68 Switch, Scoring (Used with Sling-Shot Kickers) (See illustration, page 60)

SW-010-76 Switch, Tilt (See illustration, page 49)

SW-010-79 Switch, Full Reset Stepping Units (See NOTE A, page 39)

SW-010-103 "

SW-010-121 Switch, Continuous Stepping Units (See NOTE A, page 37)

SW-010-138 Switch, Flipper Assys., Swivel-Type Free-Ball Gate Assys. (See NOTE A, page 58), Score Counter Units (Actuated by Drive Pawl) (See NOTE N, page 35), Switch & Bracket Assy. AS-982-499

SW-010-139 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-010-140 "

SW-010-141 "

SW-010-144 Switch, Bounce (See illustration, page 49)

SW-010-153 Switch, Ball-Trough & Switch Assys. (See NOTE C, page 46)

SW-010-159 Switch (Mushroom Bumper)

SW-010-167 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-010-168 "

SW-010-172 "

SW-010-173 Switch, Single-Step Reset Stepping Units (See NOTE A, page 40)

SW-010-187 Switch, Match-Wheel Unit

SW-010-189 Switch, Continuous Stepping Units (See NOTE A, page 37)

SW-010-190 Switch, Score Counter Units (See NOTE N, page 35)

SW-011-17 Switch, Trip Relays (See NOTE A, page 30A)

SW-012-2 "

SW-013-1 "

SW-020-7 "

SW-020-42 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-020-45 Switch, Added Balls Counter; Replay Counter (Open at zero)

SW-020-47 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-020-53 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)

SW-021-5 Switch, Trip Relays (See NOTE A, page 30A)

SW-022-4 "

SW-030-6 "

SW-030-13 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-030-18 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)

SW-031-3 Switch, Trip Relays (See NOTE A, page 30A)

SW-031-5 "

SW-032-2 "

SW-040-6 "

SW-040-8 "

SW-040-11 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-041-1 Switch, Trip Relays (See NOTE A, page 30A)

SW-041-2 "

SW-050-4 Switch, Score Motor Assys. (See NOTE A, page 32)

SW-100-38 Switch, Coin-Switch Assys. AS-1698-2, AS-1698-3

SW-100-44 Switch, Advance Unit, MAGIC CIRCLE, TRIO

SW-100-49 Switch, Trip Relays, (See NOTE A, page 30A)

SW-100-61 "

SW-100-116 Switch, Full Reset Stepping Units (See NOTE A, page 39)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

SW-100-140 Switch,
Sling-Shot Kicker Assys. AS-1566-3, AS-1566-5

SW-100-141 Switch,
Rebound Switch Assy.,
Sling-Shot Kicker Assys.

SW-100-149 Switch,
Full Reset Stepping Units
(See NOTE A, page 39);
Replay Counter

SW-100-234 Switch, Switch & Bracket Assys.,
Score Motor Units
(See NOTES A, B, page 31A)

SW-100-327 Switch, Full Reset Stepping Unit
(See NOTE A, page 39)

SW-100-353 Switch (Button-Switch)
(See NOTE B, page 55)

SW-100-356 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-357 Switch, Ball, Ball-Trough & Switch Assys.
(See NOTE D, page 46)

SW-100-358 Switch,
Hold Button;
Replay Button

SW-100-359 Switch, Target-Switch Assy.

SW-100-360 Switch (Roll-Under)

SW-100-361 Switch, Out-Hole (See illustration, page 53)

SW-100-365 Switch, Scoring (Used with Bumpers)

SW-100-366 Switch, Tilt-Switch & Bracket Assy.
(See illustration, page 66)

SW-100-367 Switch, Rollover (See NOTE A, page 53)

SW-100-368 "

SW-100-372 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-376 Switch, Ball-Trough & Switch Assys.
(See NOTE C, page 46)

SW-100-382 Switch, Rollover (See illustration, page 53)

SW-100-384 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-385 "

SW-100-386 "

SW-100-388 "

SW-100-389 "

SW-100-395 "

SW-100-397 Switch (Kicker-Button) (See illustration, page 55)

SW-100-398 Switch, Switch & Bracket Assy.,
Trip Relay Resets

SW-100-400 Switch, Ball Gate & Switch Assy. AS-1315-4

SW-100-401 Switch, Rollover (See illustration, page 54)

SW-100-403 Switch, Switch & Bracket Assy. AS-982-509

SW-100-405 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-409 "

SW-100-410 Switch, Ball-Gate & Switch Assy. AS-1315-3

SW-100-411 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-412 Switch, Ball-Return (Automatic Ball-Return)

SW-100-413 Switch, Ball-Count (Automatic Ball-Return)
(See NOTE G, page 45)

SW-100-414 Switch, Butterfly Switch & Rod Assy.

SW-100-416 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-418 "

SW-100-420 "

SW-100-421 Switch, Step-Up Arm,
Added Balls Counter
(See NOTE D, page 34)

SW-100-422 "

SW-100-427 Switch, Score Motor Assys.
(See NOTE A, page 32)

SW-100-428 Switch, Single-Step Reset Stepping Units
(See NOTE A, page 40)

SW-100-429 "

SW-100-432 Switch (Button-Switch)
(See NOTE B, page 55)

SW-100-440 Switch, Full Reset Stepping Units
(See NOTE A, page 39)

SW-100-444 Switch, Alternator Unit
(See NOTE A, page 70)

SW-100-456 Switch, Switch & Bracket Assy.,
Trip Relay Resets
(See NOTE C, page 30A)

SW-100-459 Switch, Switch & Bracket Assys.,
Score Motor Assys.
(See NOTES A, B, page 31A)

SW-100-461 Switch, Rollover (See illustration, page 54)

SW-100-462 Switch (See NOTE A, page 39)

SW-100-463 "

SW-100-467 Switch, Added Ball Counter
(See NOTE A, page 33B)

SW-100-474 Switch, Rollover (Mystery Bonus)

SW-101-10 Switch, Trip Relays (See NOTE A, page 30A)

SW-101-21 Switch, Single Step Reset Units
(See NOTE A, page 40)

SW-101-23 "

SW-101-29 Switch, Full Reset Stepping Units
(See NOTE A, page 39)

SW-102-3 Switch, Trip Relays (See NOTE A, page 30A)

SW-102-9 "

SW-102-11 "

SW-102-13 Switch, Switch & Bracket Assys.,
Score Motor Assys.
(See NOTES A, B, page 31A)

SW-103-3 "

SW-110-106 Switch, Score Motor Assys.
(See NOTE A, page 32)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

SW-110-23 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-110-71 Switch, Trip Relays (See NOTE A, page 30A)
SW-110-106 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-110-118 Switch (Zero), Full Reset Stepping Units (See NOTE A, page 39)
SW-110-122 Switch, Score Counter Units (See NOTE F, page 35)
SW-110-123 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-110-133 Switch, Score Counter Units (See NOTE F, page 35)
SW-110-137 "
SW-110-139 "
SW-111-3 Switch, Trip Relays (See NOTE A, page 30A)
SW-111-15 "
SW-111-17 "
SW-111-19 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-112-6 Switch, Trip Relays (See NOTE A, page 30A)
SW-112-10 "
SW-120-27 "
SW-120-33 Switch, Score Motor Assys. (See NOTE A, page 58)
SW-120-34 Switch, Ball Stop Assys., Ball Trough & Switch Assys. (See NOTE C, page 46); Score Motor Assys. (See NOTE A, page 32)
SW-120-36 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-120-37 "
SW-120-38 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-120-40 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-121-2 Switch, Trip Relays (See NOTE A, page 30A)
SW-121-16 "
SW-121-71 "
SW-122-3 "
SW-130-13 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-130-14 "
SW-130-15 "
SW-130-16 "
SW-130-18 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-140-7 Switch, Trip Relays (See NOTE A, page 30A)
SW-140-9 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-140-10 "
SW-140-12 "
SW-160-3 "
SW-200-13 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES, A, B, page 31A)
SW-200-45 Switch, Added Balls Counter (See NOTE A, page 33B); Full Reset Stepping Units (See NOTE A, page 39)
SW-200-78 Switch, Trip Relays (See NOTE A, page 30A)
SW-200-102 Switch, Rollover (See NOTE A, page 53)
SW-200-104 "
SW-200-105 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-200-106 "
SW-200-108 "
SW-200-118 Switch, Rollover (See illustration, page 54); (Target Kicker Assy.)
SW-200-119 Switch (See NOTE H, page 63)
SW-200-120 Switch (4-Steps Ball-Escape)
SW-200-126 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-200-135 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-200-138 "
SW-200-140 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A); Score Counter Units (See NOTE F, page 35)
SW-201-12 Switch, Trip Relays (See NOTE A, page 30A)
SW-201-13 "
SW-201-18 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-202-1 Switch, Trip Relays (See NOTE A, page 30A)
SW-202-6 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-210-26 Switch, Trip Relays (See NOTE A, page 30A)
SW-210-48 Switch, Score Counter Unit (See NOTE F, page 35)
SW-210-53 Switch, Swivel-Type Free-Ball Gates (See NOTE A, page 58)
SW-210-54 Switch, Score Motor Assys. (See NOTE A, page 32)
SW-210-60 Switch, Trip Relays (See NOTE A, page 30A)
SW-210-62 Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-210-64 Switch, Score Counter Units (See NOTE F, page 35)

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

SW-211-4	Switch, Trip Relays (See NOTE A, page 30A)
SW-211-6	"
SW-212-4	"
SW-220-2	"
SW-220-9	"
SW-220-17	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-230-7	"
SW-230-10	Switch, Switch & Bracket Assys., Score Motor Units (See NOTES A, B, page 31A)
SW-240-2	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-240-3	"
SW-240-4	"
SW-240-5	Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTE A, page 31A)
SW-250-2	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-250-4	Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-300-33	Switch, Trip Relays (See NOTE A, page 30A)
SW-300-44	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-300-50	Switch, Trip Relays (See NOTE A, page 30A)
SW-300-57	"
SW-300-58	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-300-62	Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-300-64	"
SW-300-65	"
SW-300-67	"
SW-300-68	Switch, Score Counter Units (See NOTE F, page 35)
SW-301-5	Switch, Trip Relays (See NOTE A, page 30A)
SW-302-1	"
SW-310-3	"
SW-310-8	"
SW-311-3	"
SW-400-12	"
SW-400-18	Switch, Score Motor Assys. (See NOTE A, page 32)
SW-400-22	"
SW-400-23	Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-410-6	Switch, Trip Relays (See NOTE A, page 30)
SW-500-8	Switch, Switch & Bracket Assys., Score Motor Assys. (See NOTES A, B, page 31A)
SW-600-5	"
W-881-3	Contact-Plate, Wired (See NOTE A, page 37)
W-881-5	Contact-Plate, Wired (See NOTE A, page 38)
W-992	Contact-Plate, Wired (See NOTE A, page 37)
W-994	"
W-999-4	Contact-Plate, Wired, Advance Unit, MAGIC CIRCLE, TRIO
W-999-5	Contact-Plate, Wired, 50/50 Unit
W-999-7	Contact-Plate, Wired, Match-Wheel Unit
W-1000	Contact-Plate, Wired (See NOTE A, page 40)
W-1000-1	"
W-1000-3	Contact-Plate, Wired (See NOTE A, page 39)
W-1004	"
W-1004-2	"
W-1004-3	"
W-1004-5	"
W-1004-6	"
W-1004-9	"
W-1004-10	"
W-1004-12	"
W-1005	Contact-Plate, Wired (See NOTE A, page 37)
W-1007	"
W-1007-3	"
W-1034	Contact-Plate, Wired (See NOTE A, page 38)
W-1034-1	"
W-1034-5	"
W-1034-6	"
W-1036	Contact-Plate, Wired (See NOTE A, page 39)
W-1036-1	"
W-1043	"
W-1043-12	"
W-1047	Contact-Plate, Wired (See NOTE A, page 40)
W-1066	Contact-Plate, Wired (See NOTE A, page 39)
W-1066-1	Contact-Plate, Wired (See NOTE A, page 37)
W-1072	Contact-Plate, Wired (See NOTE A, page 39)
W-1075	Contact-Plate, Wired, Added Balls Counter AS-797-102
W-1075-2	Contact-Plate, Wired (See NOTE A, page 33B)
W-1077	Contact-Plate, Wired (See NOTE A, page 39)
WS-5/16-510	Screw, Wood
WS-8-8-510	Screw, Wood (Backglass Retainers Latch)
Z-1150-21	Switch Series, Interlock Relays (See NOTE B, page 31) "KK" Type Relays (See NOTE B, page 31; NOTE A, page 57); (Each alpha-numerical designation below should be prefixed Z-1150-21-
A-1H-4	Switch, Z-1150-21 series
A-8H-4	"
A-8H-9A	"

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

A-15-4	Switch, Z-1150-21 series
A-15H-4	"
A-16H-4	"
A-16H-9A	"
A-17J-9A	"
A-19J-4	"
A-23J-4	"
AA-1H-4	"
AA-23J-4	"
AA-24H-4	"
AA-27J	"
AA-30H	"
AAA-1H-4	"
AAA-9H-4	"
AAA-17H	"
AAA-20H	"
AAA-23H	"
AAA-23H-4	"
AAA-24J-4	"
AAA-25J	"
AAA-27H	"
AAA-27H-4	"
AAA-28H	"
AAA-29J	"
AAA-31J	"
AAA-33H	"
AAA-35K	"
AAA-36H	"
AAA-39J	"
AAAA-2H-4	"
AAAA-8H-4	"
AAAA-18H	"
AAAA-20H	"
AAAA-28H	"
AAAA-29H	"
AAAA-30H	"
AAAA-31H	"
AAAA-32H	"
AAAA-33H	"
AAAA-34H	"
AAAA-37H	"
AAAA-38J	"
AAAA-39J	"
AAAA-39J-9A	"
AAAA-40J	"
AAAA-41J	"
AAAA-43J	"
AAAA-44J	"
AAAA-45H-4	"
AAAA-45J	"
AAAA-46J	"
AAAA-47H	"
AAAA-47H-4	"
AAAA-51J-4	Switch, Z-1150-21 series
AAAA-52J	"
AAAA-58H	"
AAAA-59H	"
AAAA-60H	"
AAAA-62H	"
AAAA-63H	"
AAAA-66H-9A	"
AAAB-3H-4	"
AAAB-8H-4	"
AAAB-9H-4	"
AAAB-15H	"
AAAB-16H-9A	"
AAAB-17H	"
AAAB-18H	"
AAAB-19H	"
AAAB-20H	"
AAAB-21H	"
AAAB-23H	"
AAAB-24J	"
AAAB-25J	"
AAAB-26H	"
AAAB-28H-4	"
AAAB-29H	"
AAAB-30H	"
AAAB-31H	"
AAAB-32J	"
AAAB-33J	"
AAAB-35J	"
AAAC-24H4	"
AAAC-27H	"
AAAC-28H-4	"
AAAC-31H	"
AAAC-33H	"
AAAC-34H	"
AAB-16-H-4	"
AAB-17H	"
AABB-5H-4	"
AABB-14H	"
AABB-16H	"
AABB-18H-4	"
AABB-20H	"
AABB-21H	"
AABC-20H	"
AABC-21H	"
AABC-22H-4	"
AABC-23H	"
AABC-24H	"
AABC-25H-4	"
AABC-26H	"
AAC-20H	"
AAC-22H	"
AAC-22H-4	"

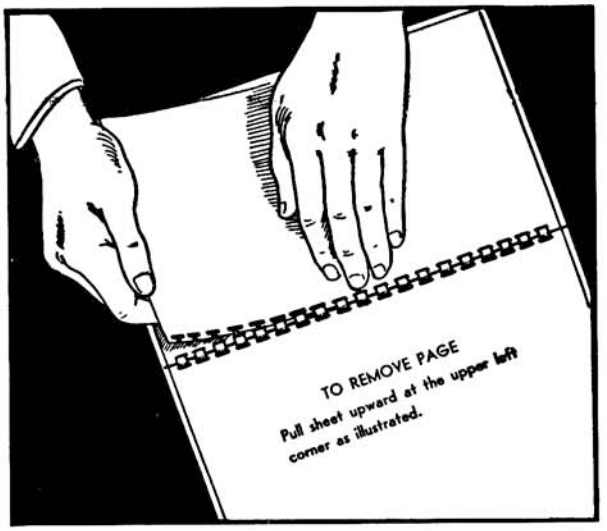
WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

NUMERICAL PARTS LIST

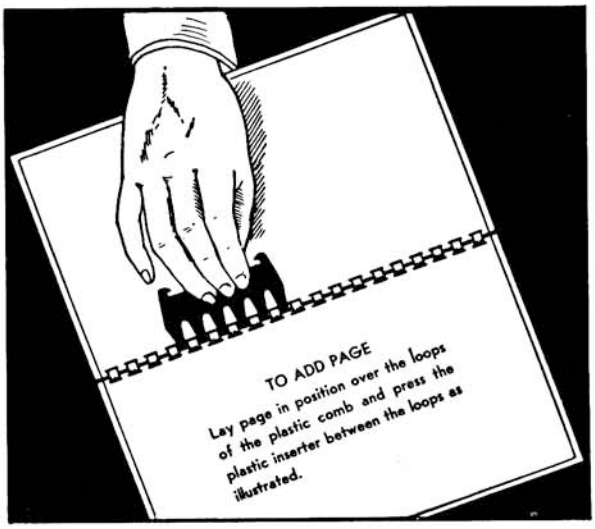
AAC-25H	Switch, Z-1150-21 series
AAC-26H	"
AAC-27H	"
AACB-24H	"
AACC-6H-4	"
AACC-10H-4	"
AACC-13H	"
AACC-16H	"
AAD-1H-4	"
AB-2H-4	"
AB-3H-4	"
AB-13J-4	"
AB-15H	"
AB-17H-4	"
ABBC-4H-4	"
ABC-16H	"
ABC-17H-4	"
ABC-18H	"
ABC-19H-4	"
ABCC-9H-4	"
ABCC-13H-4	"
AC-2H-4	"
AC-12H	"
AC-13H-4	"
AC-14H	"
AC-15H	"
AC-16H-9	"
AC-30K-9A	"
ACB-20H	"
ACBB-11H	"
ACC-1H-4	"
ACC-8H	"
ACC-11H-4	"
ACC-14H	"
ACCC-6H	"
ACCC-8H	"
AD-1H-4	"
B-1H-4	"
B-8H-4	"
B-10H-9A	"
BB-11H	"
BBB-1H-4	"
BBBB-14H-4	"
BBBC-6H-4	"
BBC-12J-4	"
BC-1H-4	"
BC-9H-4	"
BC-14J-4	"
BCCC-5H-4	"
C-7H-4	"
C-8H-9A	Switch, Z-1150-21 series
CB-9H4	"
CC-9H-4	"
CCC-12H4	"
CCCC-4H-4	"
D-2H-4	"
Z-1154-2	Frame, Interlock Relays
Z-1160	Armature-Plate, "KK" Type Relays (See illustration, page 57)
Z-1161	Frame, "KK" Type Relays (See NOTE B, page 31; NOTE A, page 57)
Z-1161-1	"
Z-1170-21	Switch Series, Interlock Relays (See NOTE B, page 31); "KK" Type Relays (See NOTE B, page 31; NOTE A, page 57) (Each alpha-numerical designation below should be prefixed Z-1170-21)
A-1K4	Switch, Z-1170-21 series
A-3K4	"
AAA-2K	"
AAA-5K4	"
AAAA-1-K	"
AAAA-2-K-9A	"
AAAA-3-K	"
AAAB-1K	"
AAAB-2K4	"
AAAD-1K	"
AAB-1K	"
AAB-3K	"
AAB-3K4	"
AABB-1K	"
AABB-2K4	"
AB-1-K4	"
AB-2K4	"
ABBB-K4	"
AD-1K	"
CB-1K4	"
D-1	"
ZGB-2526-8	Gear-Box Assy., Score Motors E-119-315;E-119-332;E-119-336
ZGS-2526-8	Gear & Shaft, Score Motors E-119-315;E-119-332;E-119-336
ZRST-1415-31-9	Rotor & Shaft, Motor E-119-354
ZRST-1715-33-1	Rotor & Shaft, Score Motors E-119-315;E-119-332;E-119-336
ZS-1707-2531	Stator, Motor E-119-354
ZS-2503-256	Stator, Score Motor E-119-315
ZS-2503-258	Stator, Score Motor E-119-336
ZS-2503-261	Stator, Score Motor E-119-332

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

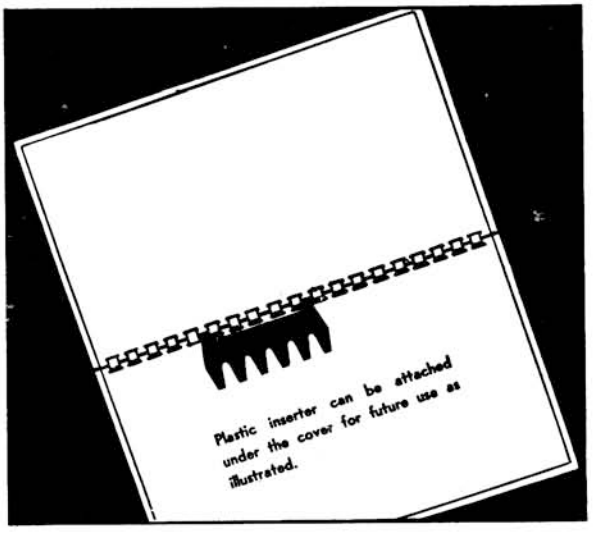
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