

Manual No. 2400
September 1973

\$3.00

Bally[®] SLOT MACHINES

SERVICE INSTRUCTIONS & PARTS CATALOG

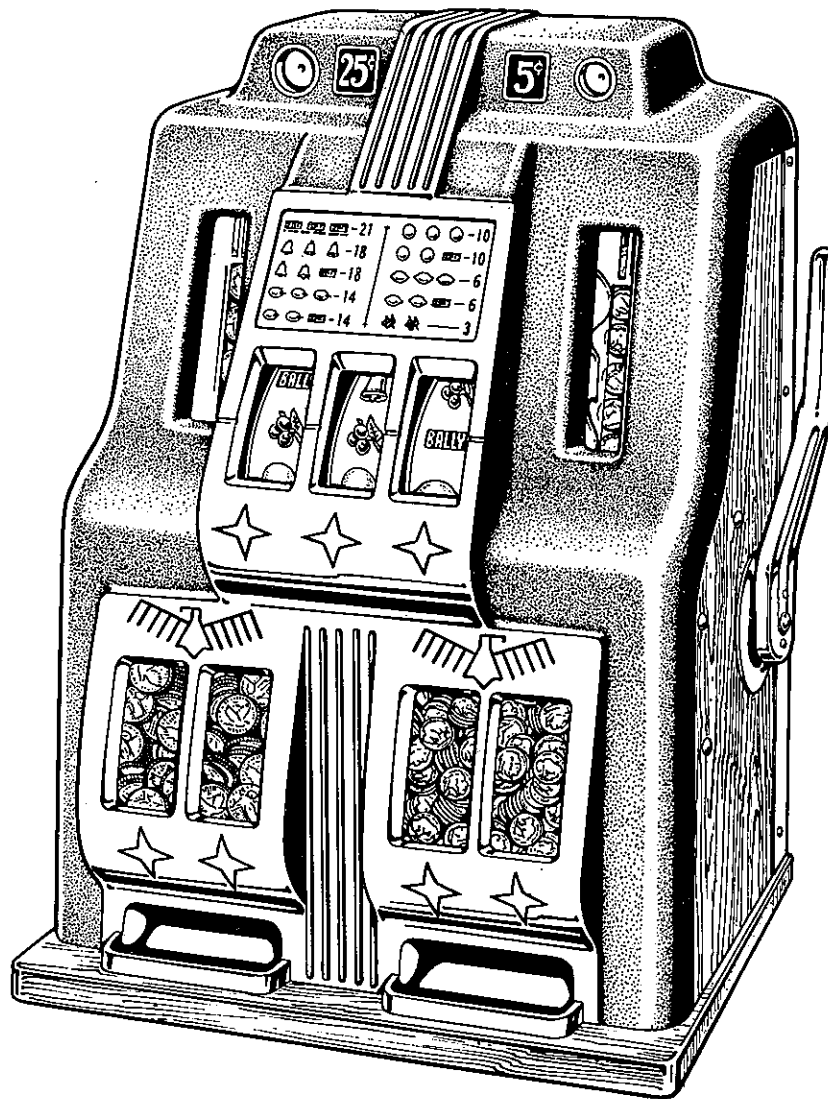
ALL STANDARD 3 REEL MODELS



Bally[®] MANUFACTURING CORPORATION

2640 Belmont Avenue · Chicago, Illinois, 60618, U.S.A.

TELEPHONE (312) 267-6060/TELEX NO. 253076/CABLE ADDRESS: BALFAN



THE ORIGINAL 1938 BALLY "DOUBLE BELL"

TABLE OF CONTENTS

	PAGE NO.
INTRODUCTION	
Individual Model Information	4
INSTALLATION INSTRUCTIONS	
Preparation for Operation	4
MAJOR COMPONENT FUNCTIONS	
General Information	5
ORDERING SERVICE PARTS	6
PREVENTATIVE MAINTENANCE	6
RELAY & SWITCH ADJUSTMENTS	6
PAYOUT RATES & SAFETY TIMER INFORMATION	7
HOPPER & PAYOUT UNIT ADJUSTMENT	
Payout Counter Adjustment	8
Roller Pivot Arm Adjustment - Mechanical	9
Roller Pivot Arm Adjustment - Electrical	9
New Payout Counter Carriage Unit	9
REEL MECHANISM ADJUSTMENT	
Reset Position Adjustment	10
Start Motion Position Adjustment	11
Trip Position Adjustment	11
CIRCUIT INFORMATION	
General Electrical Function Chart	12-13
Standard Payout System - Single Coin	14
Hold & Draw System	15
Progressive Step-Up System	16-17
Typical Handle Release Circuit	17
5 Coin Multiple Coin Circuit	18
5 Coin Multiple Winner Circuit	19
3 & 5 Line Pay Coin System	20
3 & 5 Line Pay Winners Circuit	21
LUBRICATION GUIDE	22-24
EXPLODED VIEW SECTION	
Cabinet Assembly, P. I. - P. IV	
All Standard Models	26-33
Low-Boy Cabinet Assembly	
Model 955	34-35
Low-Boy Cabinet Assembly	
Model 956 & 962	36-37
Progressive Feature Unit	
Model 785	38-39
3 Line Pay Progr. Fea. Unit - P.I. & P.II	
Model 889	40-43
5 Line Pay Progr. Fea. Unit	
Model 922	44-45
5 Coin Mult. Progr. Feature Unit	
Model 952	46-47
Big Apple Feature Unit	
Model 804	48-49
Double-Up Feature Unit	
Model 808	50-51
5 Coin Multiple Feature Unit - P.I. & P.II.	
Model 809	52-55
3 Line Pay Feature Unit	
Model 831	56-57

TABLE OF CONTENTS

	PAGE NO.
5 Line Pay Feature Unit	
Model 873	58-59
Mustang Feature Unit	
Model 903	60-61
Circus Feature Unit - P.I. & P.II	
Model 931	62-65
Reel Dice Feature Unit - P.I. & P.II	
Model 935	66-69
Front Door Assembly - P.I. & P.II	
Standard 3 Reel Units + Hold & Draw	70-75
Front Door Display Units	
Animated Type, Model 802 & 903	76-77
Front Door Assembly - P.I. & P.II	
Low-Boy Styles, Models 955, 956 & 962	78-81
\$1.00 Front Door Assembly	
All 3 Reel Games	82-83
Handle Mechanism Assembly	
All Models	84-85
Handle Lockout Assembly	
All Models	86-87
Reel Mechanism Assembly - Left Side	
Standard 3 Reel Unit	88-89
Reel Mechanism Assembly - Left Side	
Hold & Draw Machines	90-91
Reel Mechanism Hold & Draw Unit	
Standard 3 Reel Unit	92-93
Old Style Hold & Draw Unit	
Pre - 1971 Units	94-95
Reel Mechanism Assembly - Center	
All 3 Reel Units	96-97
Reel Assembly	
Reels, Tapes & Index Wheels	98-99
Reel Mechanism - Right Side Detail	
All 3 Reel Units	100-101
Reel Assembly - Relay Detail	
New Style Relays	102-103
Hopper Payout Unit - P.I & P.II	
Mechanically Stepped Payout Counter	104-107
Hopper Payout Unit - P.I. & P.II	
Electrically Stepped Payout Counter	108-111
Older Payout Counter Parts	
Pre - August 1973 Carriage & Wiper Units	112-113
SPECIAL SLOT MACHINE MODELS	
Model 791, "Side by Side"	
Introduction & Assembly Details	114-115
Cabinet Assembly	116-117
Reel Mechanism - Left Unit	118-119
Reel Mechanism - Right Unit	120-121
Model 794 "Motorized Automatic"	
Electric Powered Reel Mech.	
- All Automatic Models	122-123
SPECIAL ACCESSORIES	
Jackpot Coin Display	124-125
Electric Door Lock	126-127
SCREW & FASTENER NOMENCLATURE	
Screws & Bolts	128-129
Nuts	129
Washers	130
NEW COIL NUMBERS	
Bally Mfg. Coil Numbers	130
REPLAY REGISTER INFORMATION	
General Information for Both 3 & 4 Digit Registers	131

INTRODUCTION

This Parts & Service Manual is designed to cover the complete range of Bally's 3 Reel Slot Machine Line. This Manual supersedes the previous (1968) Orange & Silver Parts & Service Books (Manual No. 400 & 400S). Due to the tremendous number of engineering advancements in all areas of our slot program only this new book with the latest information & part numbers should be used.

Bally's parts control for manufacturing & ordering has been changed over to a computer system for greater efficiency. This change-over has resulted in NEW Numbers for Coils, Hardware Items (Screws, etc.) and Switches. This new Manual will carry the new numbers. A conversion chart showing the old & new part numbers is indexed in the rear of this book.

This Manual also incorporates a new Electronics section featuring explanations and diagrams of specific circuits plus a function chart. A basic understanding of the various circuits in a game can make the more complex diagrams with feature units etc. a lot more readable.

Model coverage in this Manual is restricted to the 3-Reel Slot Machines. The following Slot Models are covered in this Manual:

- A. Model 742A . . Bally Standard Series
- B. Model 785 . . Progressive Jackpot
- C. Model 791 . . Side by Side (Double)
- D. Model 794 . . Motorized Automatic
- E. Model 802 . . Quick Draw (hold & draw)
- F. Model 804 . . Big Apple
- G. Model 808 . . Double-Up
- H. Model 809 . . 5 Coin Multiple
- I. Model 816 . . Reel Deal (hold & draw)
- J. Model 831 . . 3 Line Pay
- K. Model 873 . . 5 Line Pay
- L. Model 889 . . 3 Line Pay - Progressive
- M. Model 903 . . Mustang (hold & draw)
- N. Model 922 . . 5 Line Pay - Progressive
- O. Model 931 . . Circus (hold & draw)
- P. Model 952 . . 5 Coin Multiple - Progressive
- Q. Model 955 . . 5 Line Pay (low top)
- R. Model 956 . . 5 Coin Multiple (low top)
- S. Model 962 . . 3 Line Pay (low top)

INSTALLATION INSTRUCTIONS

PREPARATION FOR OPERATION

The Bally Slot Machine is delivered with all adjustments preset at the factory. It is ready for operation on designated line voltage, either 220/240 volt 50 cycle or 115 volt 60 cycle.

FUNCTIONAL CHECKOUT

Remove packing under Reel Mechanism and insert line cord plug into proper outlet. Deposit a coin. "Coin accepted" will light on the front glass adjacent to the coin drop and handle will be released to start a spin. Before pulling handle to start a spin, deposit a second coin, slug rejector should reject second coin into payout cup. (Except multiple coin games where more than one coin can be inserted before pulling handle.) NOTE: If for any reason slug rejector is removed from housing, be sure that scavenger lever on front door is positioned over the rejector scavenger plate when returning it to housing. Pull handle, Reel Mechanism will release reels for spin and there should be a minimum of (2) complete turns on #1 reel prior to index.

HOPPER PAYOUT UNIT

The Hopper Payout Unit has been preset and completely checked out at the factory for operation

with the type of coin shown on the front glass. It should require no adjustments if the prescribed coin is used. To check payouts, fill the Hopper with the prescribed coins. With the front door open, tape down the Door Interlock Switch & manually operate the Coin Switch. Now hold Timer Fan and pull the Handle to start a spin, then set reels for the combination to be checked. Now release the Fan and allow the reels to index. The Hopper will dispense coins thru a slot in the top-front of the unit & may be caught in a box.

Count check the dispensed coins and check the amount on the "Total Out" Meter. Everything should be perfect, if not check the Payout Counter Unit's Contact Plate for proper alignment in relation to the Wiper Blades. Also carefully read the "Hopper & Payout Unit Adjustment Section" in this manual.

The Payout Counter Unit is located on the left side of the hopper unit. This Payout Counter is usually mechanically stepped by a Pivot Arm which is actuated by coins passing under the arm during a payout. Games with a Delay Relay (Safety Timer Operation) electrically step-up (Step-Up Coil) the Counter Unit (via Pivot Arm Switches). Games equipped with a Replay Counter only dispense coins when the Collect Button is pressed (via the Collect Relay). Be sure to study the Schematic Wiring Diagram before attempting any service.

MAJOR COMPONENT FUNCTIONS

COIN MECHANISM

The Slug Rejector Coin System used in these games is the single coin type. A Coin Lockout Coil is used to make the mechanism reject coins when a spin has not been completed from a previous coin and when power to the game is interrupted. There are also two types of safety circuit systems used in these games making the machine inoperative if a coin is trapped at the Coin Switch. One of these circuits uses a Micro-Switch (Armature Switch) located on the side of the Rejector Housing that is operated by the Coin Lockout Coil. This circuit when energized by a trapped coin (Coin Switch held in a down position) will open the Credit Circuit halting further play.

The other system employs a Coin Switch that in being held in down position by a trapped coin automatically opens the Credit Circuit and halts further play until the switch is returned to normal position.

COIN RELAY

This relay is energized by a signal from the coin switch when a coin is deposited. It conditions machine for a spin by turning off the "Insert Coin Lite," turning on the "Coin Accepted Lite," signalling the Handle Release Coil and Total In Meter Coil, and dropping out the Coin Lockout Coil.

HANDLE RELEASE COIL

This coil is energized by a signal from the coin relay thru the armature switch on the Coin Lockout Coil when Reel Mechanism and Handle are at indexed (start) position and payout relay and Coin Lockout Coil are not energized. It releases Handle Lock Mechanism allowing Handle to be pulled to actuate Reel Mechanism for a spin.

HANDLE RELEASE ASSEMBLY (REPLAY REGISTER GAMES ONLY)

The function of this unit is twofold:

A. To trigger the assembly when a coin is inserted or if credits are on the Replay Register.

B. To return the assembly back to its dormant state when the collect system is activated.

REEL MECHANISM

The Reel Mechanism, when actuated by the handle, releases the (3) reels from an indexed position and allows them to spin. During a spin, switches on the reel mechanism open the winner-payout circuit, handle release circuit, and complete the payout counter unit reset circuit if previous spin was a winner. When the (3) reels return to an indexed position, reel disc #1, #2, and #3 will signal the payout relay thru the payout counter unit disc, if a winner has been made.

TOTAL IN METER

This meter is operated thru the same circuit as the handle release coil (once) for each coin deposited to total "coins in."

TOTAL OUT METER

This meter is operated by a signal from the payout counter unit step-up arm switch (once) for each coin dispensed during winner payouts to total "coins out."

PAYOUT COUNTER UNIT

This unit controls the amount of coins dispensed for each winner. It completes the winner circuit from the reel discs to energize the Payout Relay when a winner is made, then by advancing (1) step for each coin dispensed during payout of a winner, it de-energizes the payout relay when the correct amount of coins have been dispensed, and lites "Winner Paid Lite."

PAYOUT RELAY

This relay is energized by a signal from the #1, #2, and #3 reel discs thru the Payout Counter Unit disc when winners are made. It conditions the machine to dispense and record winners by signalling the Payout Hopper Unit Motor, Override Solenoid, Safety Timer Motor and Total Out Meter. It also opens the handle release circuit and completes safety hold-in circuit to this relay while winners are being dispensed, and lites the "winner paid lite" when relay drops out.

HOPPER UNIT PAYOUT MOTOR & OVERRIDE SOLENOID

The payout motor and the override solenoid are operated by a signal from the payout relay when winners are made. The payout motor operates the "hopper coin disc" to dispense coins and advance the Payout Counter Unit (1) step for each coin dispensed during payouts. The override solenoid when energized, allows coins to be dispensed. De-energized when payouts are completed, it prevents coins from being dispensed.

HOPPER MIXER RELAY

Another circuit which energizes the Hopper Payout Unit Motor is thru the Hopper Mixer Relay. This circuit is energized thru the action of the Reel Mechanism "B" Switches which in turn energizes the Mixer Relay (Reel Mech. or Hopper mounted). The sole purpose of this circuit is to operate the Hopper Motor for a few seconds to level out the coins in the Hopper preventing coin pile-ups & jam ups.

ORDERING SERVICE PARTS

On all Bally Slot Machine Models a small Identification Plate is attached to the lower left side of the game. This plate has the complete Model Number of your Game (top) & a Serial Number (lower-Manuf./Govern. use only). **IMPORTANT:** When ordering any parts from our Service Dept. give the **COMPLETE MODEL NUMBER**. Every Model (Example 742) has several hundred variations (Glass, Contact Plates, Extra Circuits, Accessories, Odds, Payouts etc.). Because of this, additional numbers or letters are assigned to the various Models (Example: 742 A-171, 809-ZZZE, etc.). To fill your order **WE NEED THIS COMPLETE NUMBER**. Abbreviated or incomplete model numbers only cause our Service Dept. to send letters & calls for clarification which results in lost time & cash for you if a game is inoperative.

Schematic Wiring Diagrams can also be ordered for your specific model. Again, give the **COMPLETE MODEL NO.** Slot Machine Schematics come under the W-1046-Series of prints.

Contact Plate Discs (Slang: Biscuits, Discs, Balconys) used on Stepping Units has also caused confusion. There are two ways of ordering a specific disc, first give the **COMPLETE MODEL NUMBER**, then specify **WIRED** or **UNWIRED**. The Wired

Model is easily put in place & connected up. The unwired units require extensive internal wiring in some cases plus the use of a wiring schematic.

Reel Mechanism Contact Plate Discs can be ordered under Part No. A-184-Series (Riveted-Unwired) or Part No. W-1041-Series (Riveted-Wired). Also give Reel Number.

Payout Counter Contact Plate Discs can be ordered under Part No. A-1573-Series (w/Printed Circuit-Unwired), or Part No. W-923-Series (w/Printed Circuit-Wired).

Other Stepping Unit Contact Plates can be ordered under Part No. A-101-Series (Square - Riveted - Unwired) & A-1402-Series (Round - Riveted - Unwired), give complete Model No. & Stepping Unit Name/Function (check Schematic). For the Wired Disc, specify **WIRED (W-series)** & give complete Model No. & Stepping Unit Function.

Other Contact Plate Discs are used on such units as Drum Counters, Reflex Units, Control Units, Spotting Units etc., - again be specific. Check your Unit Labels & Schematic for Name & Function.

PREVENTATIVE MAINTENANCE

In general the biggest factor causing machine malfunctions is dust & greasy dirt collecting on sensitive parts of the mechanism. To a large degree much of the dust is generated from the coins sifting around in the Hopper Scoop. This dust has a metallic quality which circulates within the interior of the machine combining with grease & oil from the mechanism. This greasy dirt has a tendency to collect on the warm electrical units (Relays, Switches, Solenoids, Wipers & Contact Plates) which can cause an electrical malfunction.

Clean the Hopper, Reel Mechanism and the

interior of the game every six months. A good solvent or spray de-greaser should be used, and then wiped off immediately. Particularly clean the area where the coins are dispensed (Hopper, Knife, Roller & Solenoid). Also check the Pivot Arm for a positive stepping action (mech. type) & the P.O. Stepper for damaged ratchet teeth and positive switch contacts. When all parts are cleaned & re-newed, lightly lubricate the mechanism according to the Lube Guide. The Payout Counter's Contact Plate Disc (& all Contact Plates in general should be kept absolutely clean & free of grease. Contact Plates should be cleaned every 2 months.

RELAY & SWITCH ADJUSTMENTS

Inspect relay switches for correct adjustment. All relay switches must be visually inspected for proper contact. This should be effected by manually operating the relays and observing the correct follow thru of the switch through its actuation. Special attention must be made to break switches to ensure enough contact pressure is available on release of relay.

Relay switches should only be adjusted by moving the static blade. Adjusting actuating blades will impart unbalance into the relay during its operation (buzzing, sluggish operation, etc.). Do not use switch bending tool on these blades, gradual pressure in direction necessary is all that is required.

Switch contacts must never be filed as this destroys the seat, and in so doing, causes further arcing which eventually burns out the contact. Especially never file the dome shape contact as this is specifically shaped to burn a good seat in the flat contact. This in turn keeps the seat clean.

Should cleaning be necessary, use crocus cloth or some other very fine abrasive surface rubbed between both surfaces, as usually some foreign matter has lodged between the contacts.

Carbon need not be removed between contacts as this is a good conductor and prevents oxidation of the silver contacts.

PAYOUT & SAFETY TIMER INFORMATION

The Safety Timer Motor System is designed to protect the game from over-payments if a malfunction occurs during a payout cycle. Bally's large Payout Hopper Unit has a capacity of well over a thousand coins & can dispense a payout at over 300 coins per minute. Without a protective system a malfunction could easily empty the machine in several minutes. To prevent such a hypothetical situation from happening a Safety Timer Unit is incorporated into the payout circuit. The Safety Timer is set to cover the games largest direct machine payout in Seconds (normally 200 coins) then shut off the entire game if an over-run occurs.

If the Safety Timer has shut down a game because of a malfunction, a Red Trouble Lite on the Timer is turned on. The Game now must be opened, the trouble repaired & the Timer reset (button).

There are two types of timer systems which are used on Bally Slot Machines. A Standard System is employed on Models using a mechanically stepped payout counter and a Delay Relay System used on games with an Electrically Stepped Payout Counter. The Delay Relay Timer System is used on all Multiplier Models (809, 952, 956, 972 & the 4 Reel Continental Series). This is because of the unique payout multiplication system employed in these models.

FUNCTION

The circuitry of the Safety Timer Motor & its relation to Hopper Unit Payouts can be explained as follows:

A. Games employing the standard Safety Timer System (Mechanically Stepper Payout Counter Unit).

When a winner appears on the payline, the Reel Mechanism Contact Plate Circuit energizes a specific win circuit on the Payout Counter's Contact Plate. This circuit in turn (via the Payout Counters Wiper Arm) energizes the Payout Relay. The energized Payout Relay Switches complete circuits to the Hopper Motor, Override Solenoid & Timer Motor (Coins passing under the Pivot arm mechanically step the Payout Counter) for the duration of a specific payout. At the end of the payout (Wiper steps off the "hot" win circuit on the Payout Counter's Contact Plate) the entire circuit is de-energized, the Override Solenoid instantly cuts off the coin flow, which in-turn deactivates the Pivot Arm (counter step-up). Power is also cut to the Hopper Motor and Safety Timer Motor. The Payout Counter is reset automatically on the next pull of the handle (via Reel Mech. "B" Switch).

If a malfunction occurs (Stepping Unit/Hopper breakdown, coin jam-ups, etc.) causing the payout circuit to remain open beyond a normal payout (safety timer is set to cover the highest machine payout) the Safety Timer will continue to run until its Cam breaks the Game Shut-Down Switch. This Switch cuts off all power to the game, which will instantly end any payout over-run and also turns on the red trouble lite on the Safety Timer Unit.

B. Games With a Delay Relay (Electrically stepped Payout Counter Unit).

When a winner appears on the payline, the "hot" Reel Mechanism Contact Plate circuit energizes a specific win circuit on the Payout Counters Contact Plate. The Wiper on this "hot" Contact Plate energizes the Payout Relay (Hopper mounted). The energized Payout Relay Switches complete circuits to the Hopper Motor, Override Solenoid, and also to the Delay Relay thru the Payout Counters pulsing Ratchet Cam Micro-Switch. The Payout Counter is electrically stepped by the action of coins passing under the Pivot Arm, pulsing the three Electrical Switches which energizes the Step-Up Coil. The win circuit remains energized for the duration of a specific payout until the Contact Plate Wiper steps off the "hot" win circuit (Contact Plate).

The safety timer circuit is activated during a payout by the action of the delay relay which energizes the Safety Timer Motor (usually set at 15 seconds). However, the pulsing Ratchet Cam Micro-Switch circuit causes the Safety Timer to constantly reset itself every 5th step during a payout. The Delay Relay remains energized during the payout thru this pulsing Micro-Switch Circuit which is kept constant by the action of its large Capacitor.

At the end of the payout the entire circuit is de-energized with the Override Solenoid instantly cutting off the coinflow. At this time the Safety Timer motor resets itself and the Payout Relay, Hopper Motor Delay Relay & override solenoid are de-energized. The Payout Counter resets itself during the next handle pull thru a Reel Mechanism "B" Switch Circuit.

ADJUSTMENT

The Safety Timer Motor is adjustable. Factors which affect the Timer setting are the different coin sizes which change payout rates (Dimes are dispensed faster etc.) and machine paid jackpot amounts (20-50-100-150-200-250 or attendant paid). The Timer setting only has to cover the TOP machine paid J.P.

The factory setting for a standard (mechanically stepped - 200 pay) unit is 45 seconds for nickels & dimes and 50 Seconds for Quarters (200 pay). Fifty cent & Silver Dollar Machines normally have a direct payout of only 20 coins (because of their bulk & heavy weight) with any balance attendant paid. The Timer setting in this case is set at 15 seconds.

Models employing a Delay Relay Circuit have a factory setting of 15 seconds.

If you desire to change the setting of the Timer Motor, simply loosen the Lock Nut holding the Cam (top) & set the Pointer to the desired number of Seconds shown on the Dial. The time adjustment varies from 5 Seconds to 112 Seconds. When the desired time setting is made, lock down the Cam securely and check by cycling the Cam several times.

HOPPER & PAYOUT UNIT ADJUSTMENT

PAYOUT COUNTER UNIT ADJUSTMENTS

The following adjustments (a) and (b), must be made prior to any other adjustments on this unit.

(a) Wiper arm should advance smoothly with no jerks. If the arm does jerk in its action this indicates that there is insufficient lash between step up arm and ratchet teeth. To check lash, drop down payout counter unit so that ratchet is visible. Manually move step up arm down to end of stroke so that a tooth is picked up; while in this position a gap of at least 1/64 should exist between edge of tooth and step up arm. This will ensure sufficient overtravel as this gap will reduce as the unit advances, due to the increasing tension of the torsion spring. If no clearance is evident, adjustment must be made by moving the stop bracket (positioned under the step-up arm) down the required amount. (On earlier units this bracket had to be formed down, the later types use a movable bracket fixed with 2 screws.) (This gap is automatically obtained on steppers using a coil.)

(b) Now release the step up arm slowly until ratchet tooth is engaged under reset pawl arm. With arm released there should now be 1/64 approximately between end of tooth and arm. If no clearance is evident adjustment must be made by moving upper stop bracket upward until sufficient clearance is evident. NOTE: Reset arm should be checked for true 90° form at ratchet tooth before this adjustment is made as a proper setting is impossible unless this angle is first correct.

(c) Now make adjustment to Printed Circuit Disc. Proper position of disc is indicated by resetting the counter unit to zero and manually stepping the unit 9 steps. When this 9th step is completed, the outside finger on the rotating wiper should be centered in the segment identified on the wiring tab at the bottom of the disc by the number 10. On the next step, this finger should move off and clear the segment. This position may be checked at the tabs marked 2-5-10-14 and 18. If the printed circuit disc is not properly positioned, the 2 hex head screws should be loosened slightly to allow the disc to be rotated to the proper position by tapping at a corner. When the proper position is reached, the 2 hex head screws should be tightened securely.

(d) Now adjust the Carriage Unit Zero Switch. With the Printed Circuit Disc in a correctly adjusted position relative to the wiper fingers (para. C) the Carriage Zero Stop adjustment must be checked. The Zero Stop is the adjustable Rubber stop which controls the Spiral Cam reset & Zero Switch Action. On new units (Aug. 73) the Stop is a round rubber block with a Set Screw & Lock Nut (ref. next page). On older units the Stop is an eccentric Rubber Washer held in position with a Hex. Hd. Screw. The Zero Stop Adjustment (same principle in new or old unit) must now be checked.

With the Payout Counter in a Reset or Zero Position the Zero Stop must now be precisely adjusted. The Unit must be adjusted to insure that when the Wiper Fingers are in a Zero Position on the Printed Circuit the Step-Up Arm engages the Nylon Ratchet Gear on the first step. The Step-Up Arm must pick-up the first tooth on the first step. Adjust accordingly.

To check the setting of the zero stop, step the unit manually several steps. Now rotate the spiral cam manually until the unit has made 1 rotation of at least 360 degrees or 100 steps. Manually depress the plunger on the reset coil to the bottom of the coil and allow the unit to reset to zero. This will latch both pawls out of the ratchet teeth (to insure zero position). First, stop on unit must allow step up pawl to clear tooth on ratchet to pick up for first step. Repeat several times to insure seating on rubber stop.

(e) Now adjust the Outboard Wipers. To check top wiper which carries the 100 step circuit, step unit to 100 steps position. The top finger of the wiper should be off of the contact segment and have enough clearance so that the circuit stays open when the carriage is moved manually to the extremities of the clearances. If adjustment is necessary, the 2 screws holding the wiper assembly should be loosened sufficiently to allow the wiper assembly to be moved to the proper position and when properly positioned, tightened securely.

To check the lower wiper which carries the 200 steps circuit, repeat the procedure above when the unit is stepped to the 200 step position.

The Carriage Unit's Outboard Wipers must also have a good pressure balance so the Carriage Unit rides even or the unit will not pay out.

IMPORTANT: The forementioned procedures must be taken in the order listed to prevent one adjustment from upsetting another.

(f) Now adjust Step Up Arm Lower Switch (the N. C. switch with wire colors grey yellow, grey black). This adjustment is very important to the life of the printed circuit disc as this switch takes the arc generated by the collapse of the payout relay coil. Altho this switch is pre-set electrically, the above adjustments change the original setting, therefore the setting is made as follows. Step the payout counter manually to 9 steps; now step once more, but do not release the step-up arm yet; now slowly release the arm and observe that the wiper arm fingers must move off the printed circuit 10 strip before the step up arm switch opens. As a guide, if the switch contacts have moved together to a gap of 1/32 this should take care of the setting, providing adjustments listed above have been made correctly.

ROLLER AND ARM ASSEMBLY -MECHANICAL

The adjustment of this assembly controls the stroke given to the payout counter by the coin as it passes under the roller on the pivot arm. To check this adjustment place a coin (of the denomination for which the Hopper Unit was made) under the roller at the point where the center lines up with the centers of the roller and the hopper coil disc. (This gives the greatest deflection to the roller arm assembly.) With the coin in this position there should be 1/32 of an inch clearance between the top of the arm on the end opposite the roller (over the overtravel spring) and the top of the slot in the actuating arm on the step up arm assembly. This insures over travel on the arm and full stroke to the payout counter.

If this clearance is not evidenced then the position may be corrected by the following adjustment. Three screws lock the Roller and Arm Assembly in position. One is on the bottom of the channel of the assembly to secure it to the bottom of the hopper casting and 2 are on the side of the channel to secure it to the side mounting bracket. Loosen all 3 screws sufficiently to correct the position of the assembly and tighten securely.

ROLLER AND ARM ASSEMBLY -ELECTRICAL

Adjust roller arm switches so that all 3 make contact simultaneously, and follow thru approximately

1/16". For reference 1/8" approximately should exist between top switch blade and roller arm actuating disc, before this adjustment is made.

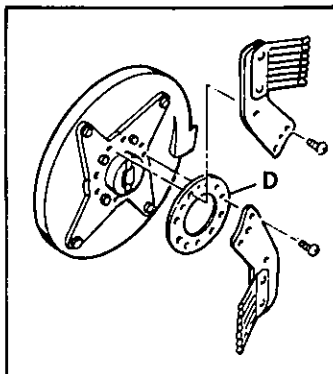
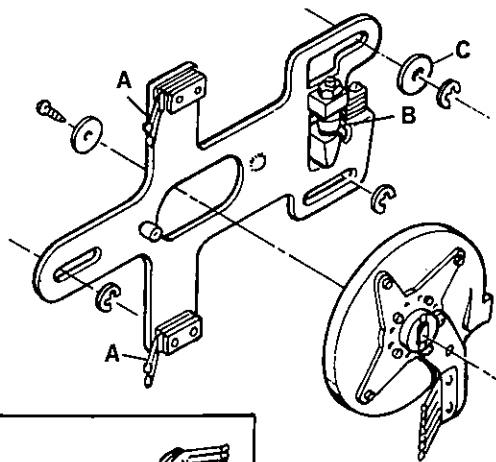
COIN KICKER AND SOLENOID (Hopper Override Solenoid)

The adjustment of this part of the unit insures proper feeding of coins under the roller and return of coins to the hopper during any override of the hopper motor.

When the solenoid is properly adjusted for stroke, the coins will run under the deflector on the kicker arm and on under the roller, to be counted, when the solenoid is energized and the motor runs.

If this adjustment is not correct, loosen the screws holding the solenoid so that it can be moved. Now, while holding in the solenoid plunger tight against the face of the solenoid (make sure this pressure compresses anti-residual spring), place a coin of the correct denomination on the disc under the kicker spring. Move the solenoid so that the coin is as close as possible to the coin kicker spring without actually touching it, then tighten screws holding solenoid. If this adjustment has been made correctly, it should be possible to deflect the coins back into the hopper by manually depressing the kicker arm towards the solenoid at the link to the solenoid plunger (this takes out the clearance in the linkage). Do not bend backing plate to make this adjustment.

NEW PAYOUT COUNTER CARRIAGE UNIT



The Hopper Payout Unit's Stepping Unit has now been substantially improved. The big improvement is a new Carriage Unit and Wiper Design. The

new Carriage Unit has shorter outboard wiper blades (Index "A" - Jackpot Payouts) which are stronger & provides better contact plate tension.

The Carriage Units Zero Stop & Zero Switch Unit has also been improved (Index "B"). The new Stop cushions a reset better & is stronger. The Zero Stop Switch Adjustment is now easily controlled by a Set Screw & Lock Nut set-up. In short, the new stop design is far stronger & provides a very precise, non varying zero stop adjustment. When installing this new carriage unit be sure to include the Washer (Part No. P-801-580) on the upper corner post as shown (Index "C").

The third improvement to this unit is the simplified Spiral Cam & Contact Plate Disc Wiper. This new Unit has less parts, is longer wearing, and is easily adapted to multiple Wiper requirements. The boxed illustration shows the assembly method for multiple Wiper Arm Units. The Connector Ring "D" (Part No. P-801-579) is only used when the Wiper Arms are on a common circuit.

This new Carriage Unit set-up will be installed on all new slot machines. This set-up will also be available as a replacement item for all hopper type slot machines built since 1964. It is also important to note that old & new single parts are not interchangeable. Any change-over involves all the new parts shown. When ordering give the complete Model No. of your game.

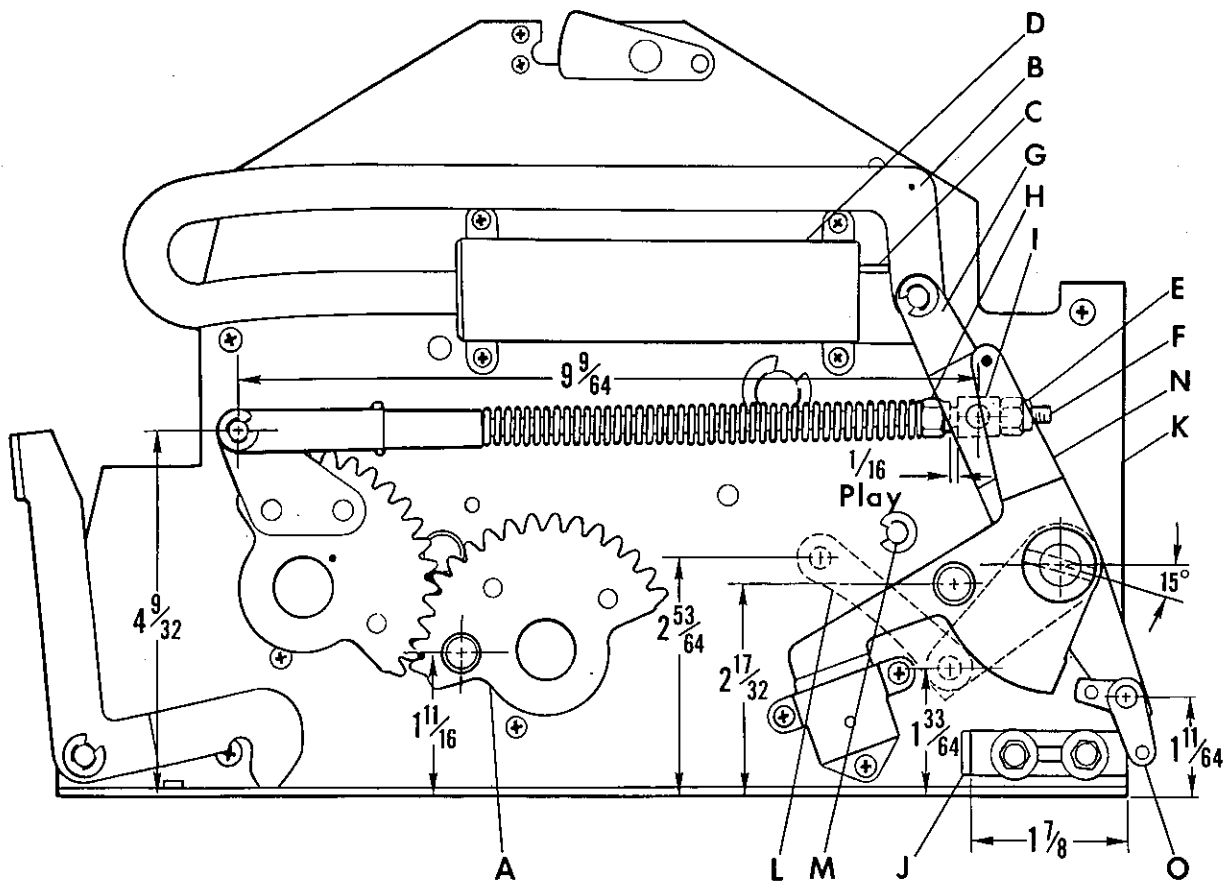
REEL MECHANISM ADJUSTMENT

REST POSITION ADJUSTMENT (RIGHT SIDE OF REEL MECHANISM)

The illustration of the Reel Mechanism is shown in a rest position with all adjustments completed for a proper operating mechanism. The dimensions shown

are reference points for checking an adjusted unit.

The settings for a properly adjusted unit are made by following the procedures as listed.



Set the reel mechanism on a flat surface. The first setting to be made is the height of the Roller Stud on the 1/2 Gear Assembly "A". When checking this dimension be sure Link Assembly "B" is against Stop Plate "C" at rear of Cylinder "D". To make this adjustment, turn the outer nut "E" on the threaded shaft "F" of the Trip Operating Lever "G" to obtain a 1-11/16" dimension shown.

The inner nut "H" is now adjusted to give a minimum of 1/15" to a maximum of 3/32" of play

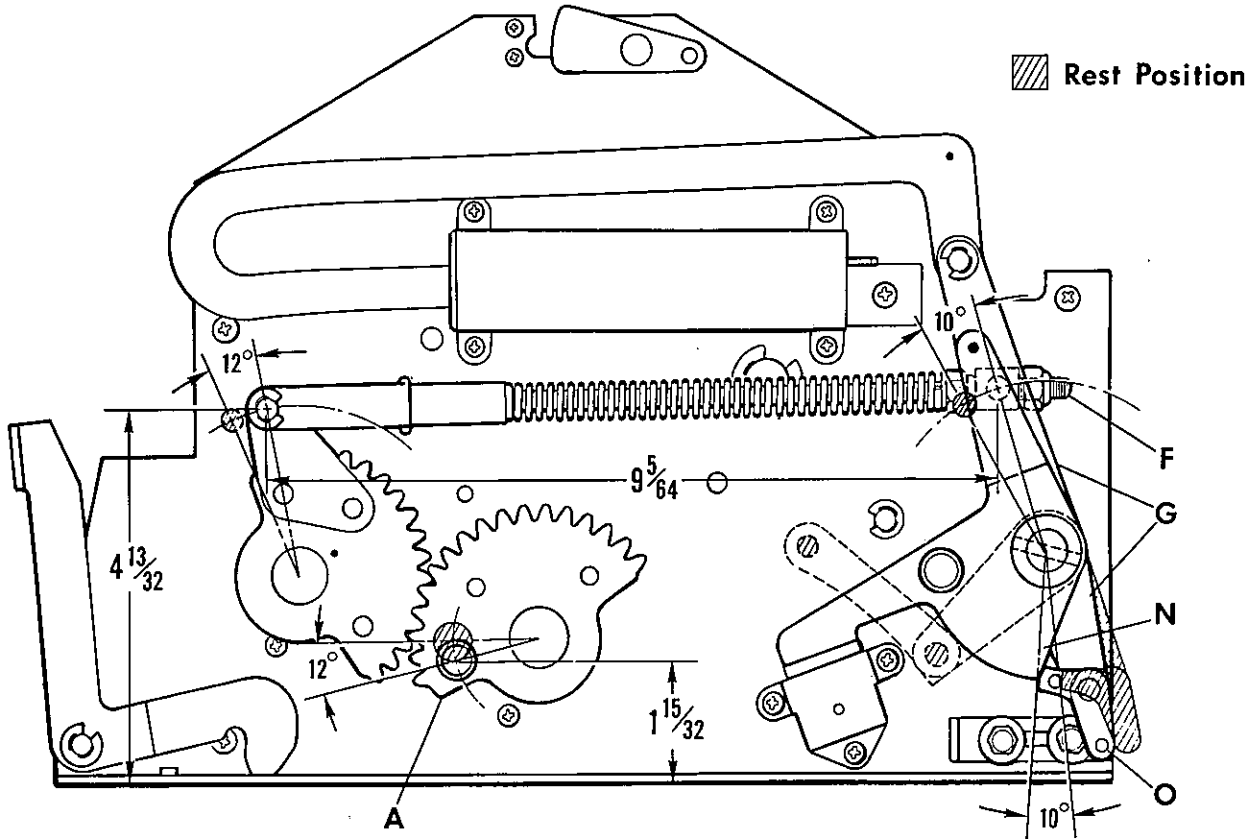
between nut and coupling "I" as shown.

The next setting to be made is the Stop Bracket "J". This is done by moving the bracket to a position when measured, will read 1-7/8" from the end of the Side Plate "K" to the inside form of bracket. To double check this setting for the proper tripping time, operate the unit thru its regular cycle and observe the Toggle Link "L" to see that it just makes contact with the Toggle Stop Rod "M" just before the mechanism has tripped.

START MOTION POSITION ADJUSTMENT

This illustration shows the starting movement of the 1/2 Gear Assembly "A", Threaded Shaft Assembly "F" and Trip Operating Lever Assembly Pawl "G"

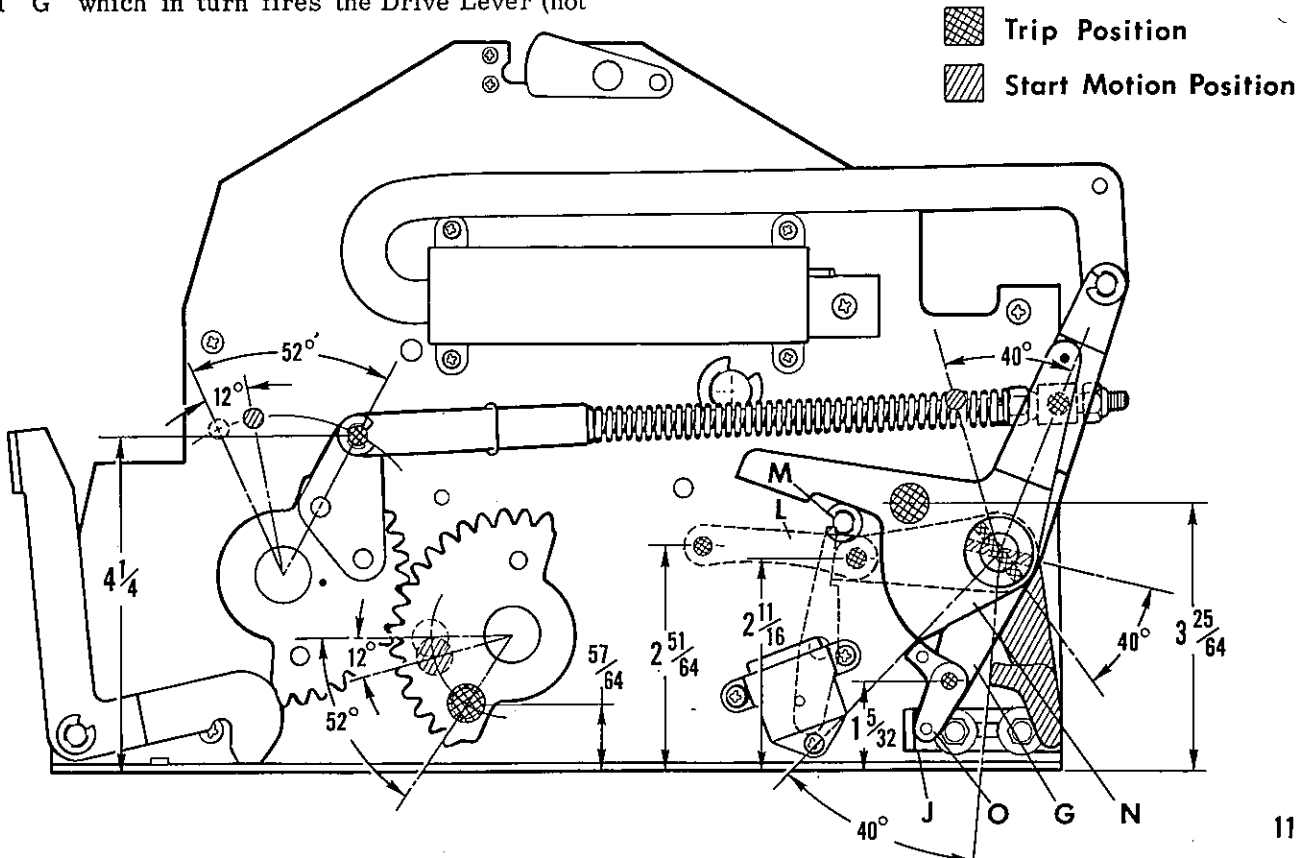
until making contact with Trip Lever Assembly "N". At this point the internal mechanism's cycle begins its motion for cocking the Reels.



TRIP POSITION ADJUSTMENT

This illustration shows the cocked mechanism just at the time of tripping the Trip Operating Lever Pawl "G" which in turn fires the Drive Lever (not

shown) to spin the Reels and unlatch the Latch Pawl Assembly "O".



CIRCUIT INFORMATION

GENERAL ELECTRICAL FUNCTION CHART

The chart is a general motor, relay coil & switch location & function guide. Because of the large variety of slot machines involved, specific wiring & diagram location information can not be included. It is felt that when this information is used along with the specific schematic wiring diagram, a good understanding of games electronic system can be made.

Switch abbreviations include:

1. N. C. Normally Closed Switch
2. N. O. Normally Open Switch
3. S. P. D. T. Single Pole Double throw switch (or more simply a Transfer Switch).
4. T. Same as S. P. D. T. (Transfer Switch).

- (A) All Switches on the Diagram operate clockwise.
- (B) Wire Colors & Transformer Information are also on the Individual Diagram.
- (C) Switch Stack Numbers start on Bottom.

TITLE	LOCATION ON MACHINE	FUNCTION
Coin Switch N. O.	Front Door Below Slug Rejector	Activated by deposited coin. Energizes Coin Relay Coil
Coin Relay Coil	On left side of Reel mechanism	Energized by coin sw. & conditions the machine for a play cycle.
Coin Relay Switches 1. S. P. D. T.	Coin Relay	Transfers circuit from "Insert Coin Lite" to "Coin Accepted Lite"
2. N. O.	Coin Relay	Energizes Handle Release Coil & "Total In Meter"
3. N. C.	Coin Relay	De-energizes Coin Lockout Coil - which now will return additional deposited coins (over single game limit).
4. N. C.	Coin Relay	Opens circuit to Coin Relay - after Relay Sw. functions completed.
Total-In Meter Coil	On Reel Mechanism Front	Energized thru Coin Relay Circuit - 1 per coin (& thru Line Unit on multi-coin games).
Handle Release Coil	Above Handle Mechanism	Energized by Coin Relay Sw. & Release Handle to Start a Play Cycle.
Handle Release Switch N. C.	Above Handle Mechanism	Opens circuit to reel mech. contact plate discs & payout circuit in preparation for another play cycle.
Dash Pot Switch N. C.	Right Side of Reel Mech.	De-energizes Handle Release Coil as Handle is first pulled, which in-turn closes the Handle Release Switch.
Reel Mech. "A" or "A-1" Switch N. C.	Left Side, Far Rear on Reel Mech.	Opens circuit to Reel Discs, Payout Circuit, Handle Release Coil & Total-In Meter in preparation to a spin (open first as handle is pulled - closed when reels cocked) - Payout protect. circuit.
Reel Mech. "A-2" or "AA" Switch N. C.	Same Sw. stack as "A" Switch	Completes a Jackpot Bell Circuit (6 V.)
Reel Mech. "B" or "B-1" Switch N. O.	Left Side, Center - Horizontal Pos. Reel Mech.	This Switch closes momentarily when Reels kick-off to reset the Payout Counter
Reel Mech. "C" or "C-1" Switch N. C.	Located just opposite the "A" Switch's on Left side of Reel Mech.	Same function as "A/A-1" Switch except opens when "A" closes & stays open till last reel stops as a payout protection safety circuit.
Reel Mech. "C-2" Sw. ("E" Sw. on older games) N. C.	Same Sw. Stack as "C" Switch	Completes a Jackpot Bell Circuit (6 V.) & some Games on "Insert Coin" lite circuit.
Reel Mech. "C-3" Sw. ("D" Sw. on older games) N. C.	Same Sw. Stack as "C" Switch	Opens the circuit to the Handle Release Coil & Total-In Meter until the Reels have stopped (indexed) as a safety circuit (free games).

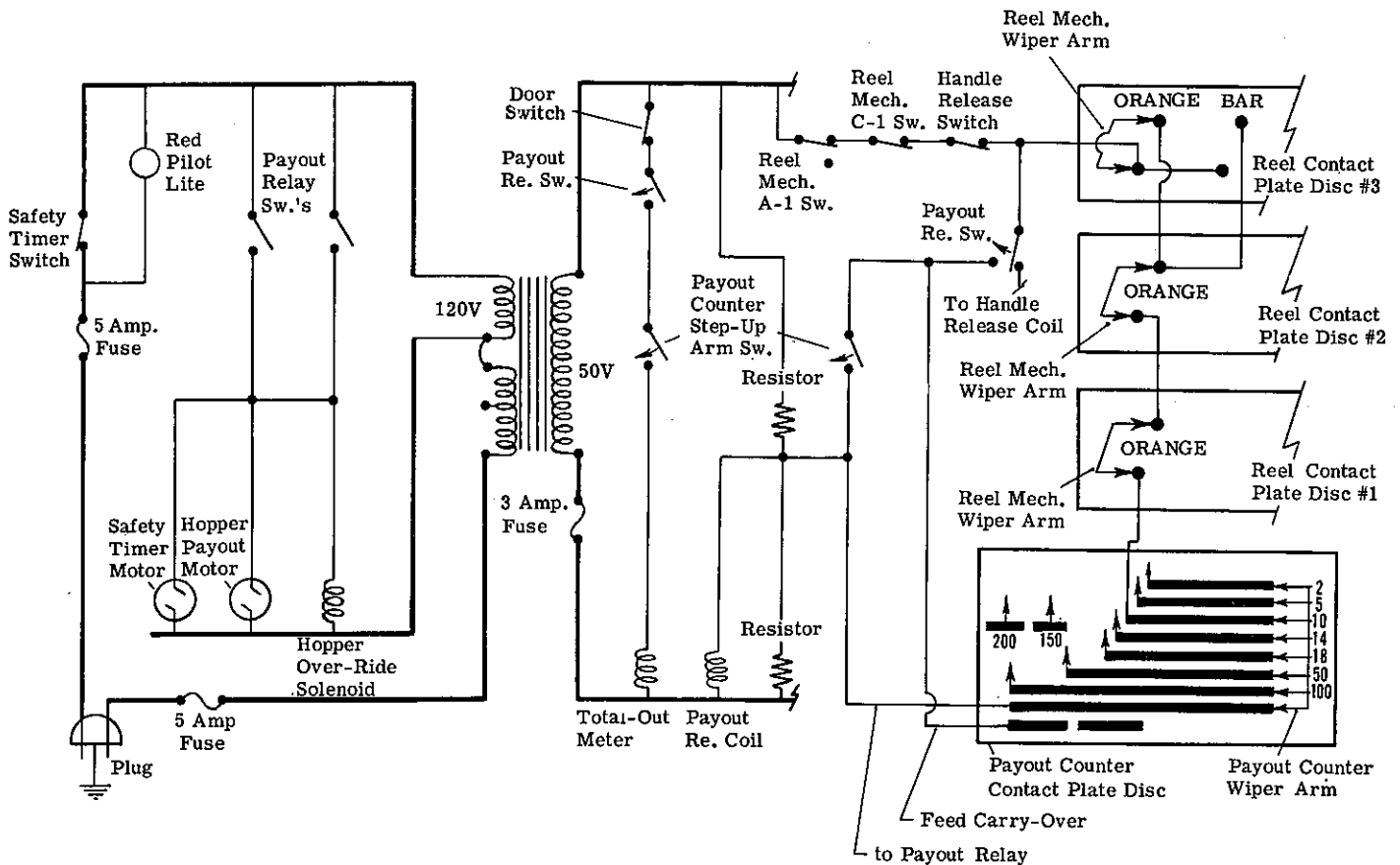
CIRCUIT INFORMATION

TITLE	LOCATION ON MACHINE	FUNCTION
Coin Diverter Coil (Hopper Level Micro-Sw. N.O.)	Below slug rejector on front door	Energized by the Hopper Float Level Sw. (Full Hopper) which then causes inserted coin to be diverted from Hopper to Cash Box Run-Down).
"Cash Box" Meter Coil (Coin Ramp Sw. N.O.)	Near Cash Box	Energized momentarily by a coin dropping down Front Door Ramp - tripping the lower Coin Ramp Sw. & dropping into Cash Box. (cut-off when door open - by Interlock Sw.).
Payout Relay Coil	On back of Hopper Unit	Energized at end of spin when a winner is recorded on a "hot" win circuit on the payout counter disc (via a win circuit from reel Mech. Discs). The Relay Sw.'s (below) set-up game to pay out re- ward.
Payout Relay Switches 1. N.O. White & Green Wires	Payout Relay	Completes a circuit to the Hopper Motor which starts the Hopper Coin Disc Revolving, Also completes a circuit to the Safety Timer Motor.
2. N.O. White & Green Wires	Payout Relay	Completes a circuit to the hopper over-ride sole- noid which allows coins to be dispensed into Coin Cup. Note: The Hopper Motor, Over-Ride Solenoid & Safety Timer Motor are in-series on same circuit.
3. S. P. D. T. Has: Gray, Gray-White, & White-Orange Wires	Payout Relay	Transfers a coin circuit to the Payout Counter Step-Up Sw. & provides a Payout Relay Coil hold circuit. Note: The P.O. Counter Step-Up Sw. is mechan- ically "made" by action of Hopper Coin Pivot-Arm.
4. N.O.	Payout Relay	Completes a circuit to the Payout Unit's Step-Up Arm Switch which is operated by the Hopper Coin Pivot Arm. This in-turn pulses the "Total-Out" Meter.
5. Other Payout Relay Switches	Payout Relay	Other Switches on this Relay, Lite the "Winner Paid" Lite, complete a circuit to the Jackpot Bell and on some games complete a Jackpot Tower Circuit.
Total-Out Meter Coil	On Reel Mech. Front	Pulsed by the Payout Counters Step-Up Arm Switch during a payout.
Payout Counter Step-Up Arm Sw. N.O. Gray-Black & Gray- Yellow Wires	Hopper Payout Counter Unit	Completes a hold-in circuit to the Payout Relay during a payout.
Payout Counter Step-Up Arm Sw. N.O.	Hopper Payout Counter Unit	Completes a circuit to pulse the Total Out Meter during a payout.
Payout Counter Open at "Zero" Sw. (no winner) Closed during a payout. N.O.	Hopper Payout Counter Unit	Opens the payout counter reset circuit when payout complete.
Payout (Counter Reset Pawl Sw. N.O.	Hopper Payout	Closed when counter is being stepped (during a pay- out) - Completes a "Winner Paid Lite" circuit & also a Jackpot Bell circuit.
Payout Counter Reset Coil	Hopper Payout Counter Unit	Energized by Reel Mechanism "B" or "B-1" Switch when reels kick-off on a new game cycle.
Safety Timer Unit Motor	Bottom Rear of Cabinet	Energized by Payout Relay Switches during a winner. However, if the Relay Switch or payout Circuit malfunctioned. A Timer Break Sw. in the Timer cuts the games power in a pre-set number of seconds.
Safety Timer Motor Switch N.C.	Safety Timer	Opens the main 120 V. power supply to game & lites red pilot lite when a payout runs over 45 - 50 seconds (adjust.) - button reset.

CIRCUIT INFORMATION

STANDARD PAYOUT SYSTEM

(SINGLE COIN)



This diagram illustrates a typical winners circuit showing the action of the Payout Relay Coil & Switches. This diagram shows a 3 Oranges winner (payout of 10) at the moment the Reels have indexed. You see the 3 Reel Mech. Wipers completing the simplified "Orange" circuit (Note: Or-Or-Or or Or-Or-Bar for 10) thru the Reel Mech. Contact Plate Discs to the Hopper Payout Counter's Contact Plate Disc. The circuit has now energized the specific "10 pay" printed circuit on the Payout Counter Disc. The Payout Counter Wiper has picked up the "hot" 10 pay circuit & has completed a circuit to the Payout Relay. The Payout Relay Coil is now energized & all of its Switches have completed their circuits. These circuits are: A. Hopper Payout Motor; B. Over-Ride Solenoid; C. Safety Timer Motor; D. A hold-in circuit to the Payout Relay; E. Total Out Meter.

This entire payout circuit remains energized until the action of the dispensed coins passing under a Pivot Arm on the top of the Payout Hopper count out the 10 coin "Orange" win. The Pivot Arm mech. steps-up the Payout Counter's Wiper Arm. When the Wiper Arm moves off this "hot" 10 pay printed circuit the Payout Relay circuit is instantly cut-off & the entire winners circuit is de-energized. The game is now ready for another play cycle. Note: The 100-150-200 - type jackpot payouts are covered by the Carriage Units Outboard Wipers. The "Feed Carry-Over Circuit" comes into play only on large payouts (50-100-150-200 -) and are also on the Carriage Unit's Outboard Wiper Circuit.

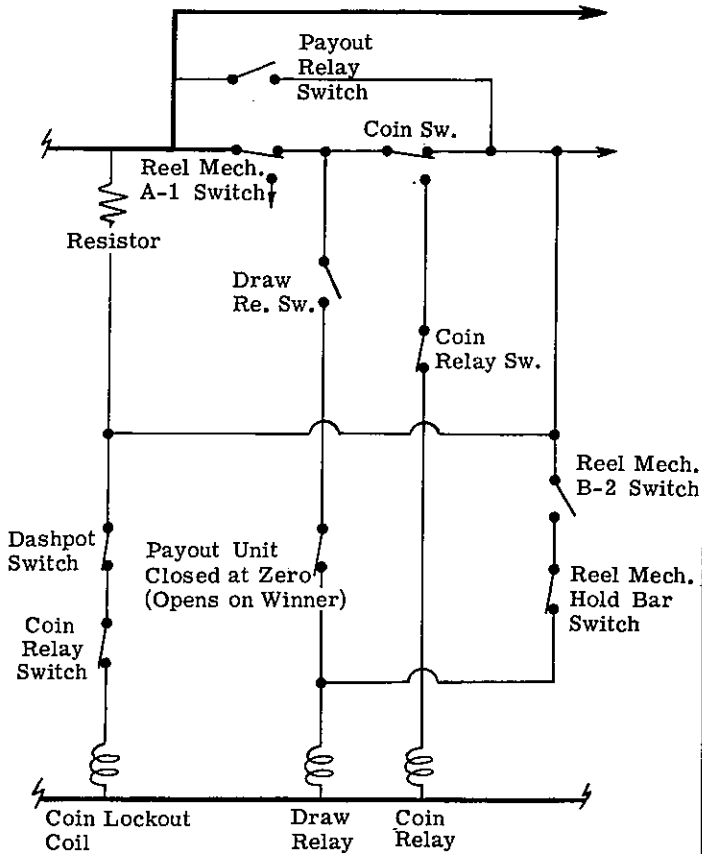
CIRCUIT INFORMATION

HOLD & DRAW SYSTEM

"HOLD & DRAW" - DRAW RELAY CIRCUIT

GAME #931 CIRCUIT

(Note: This Diagram is also very similar to Game No.'s 802, 816 & 903).



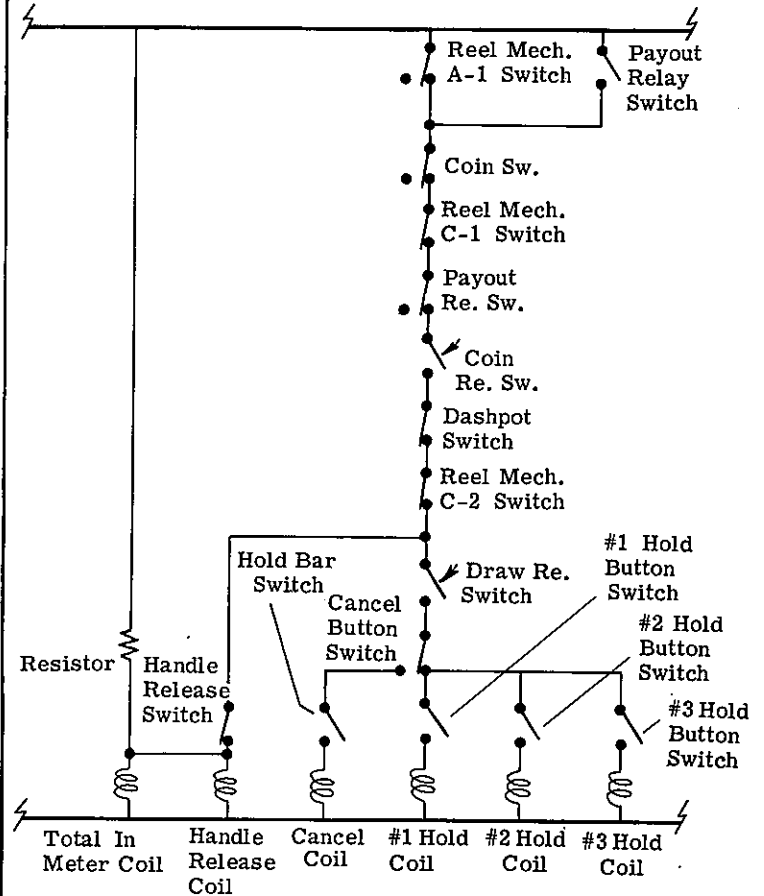
The Draw Relay is the controlling factor in the hold & draw system. It is the Draw Relay Sw. which completes the circuit to the Hold Button Sw.'s. The Draw Relay also determines if there was a previous "hold" (via an open "Hold Bar Sw." which de-energizes the circuit), or a previous winner (via an open "Payout Unit-Closed at Zero Sw." which also de-energizes the circuit).

Also in this diagram is the Coin Relay & Coin Lockout Coil. It is the Coin Sw. & Coin Relay Switches which set-up the game for an additional play. The action of the Coin Relay Switches after a coin is deposited also de-energizes the Coin Lockout Coil which causes the Slug Rejector Armature to return additional deposited coins before the play cycle is complete.

HOLD & DRAW BUTTON CIRCUIT

GAME #903 CIRCUIT

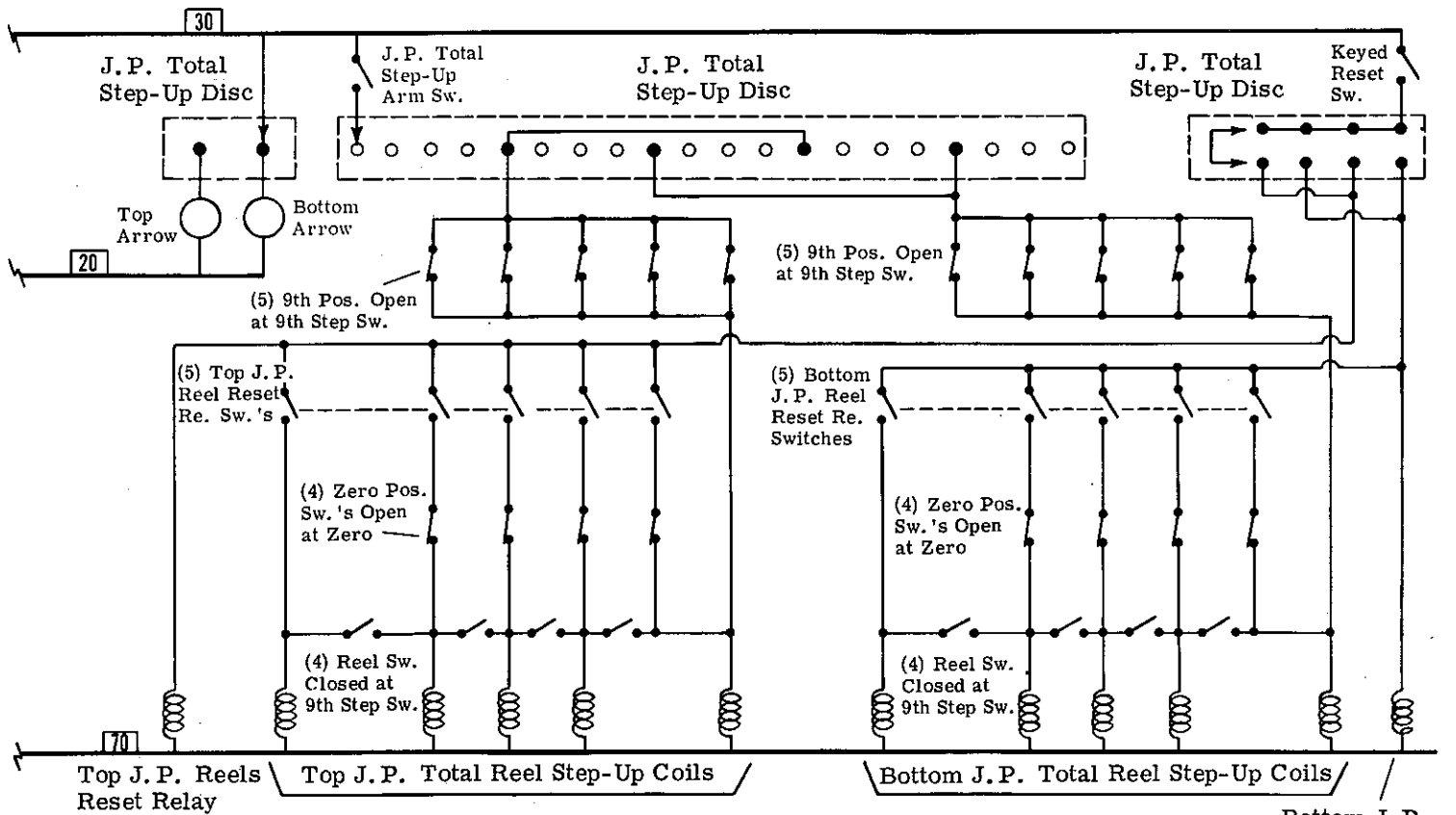
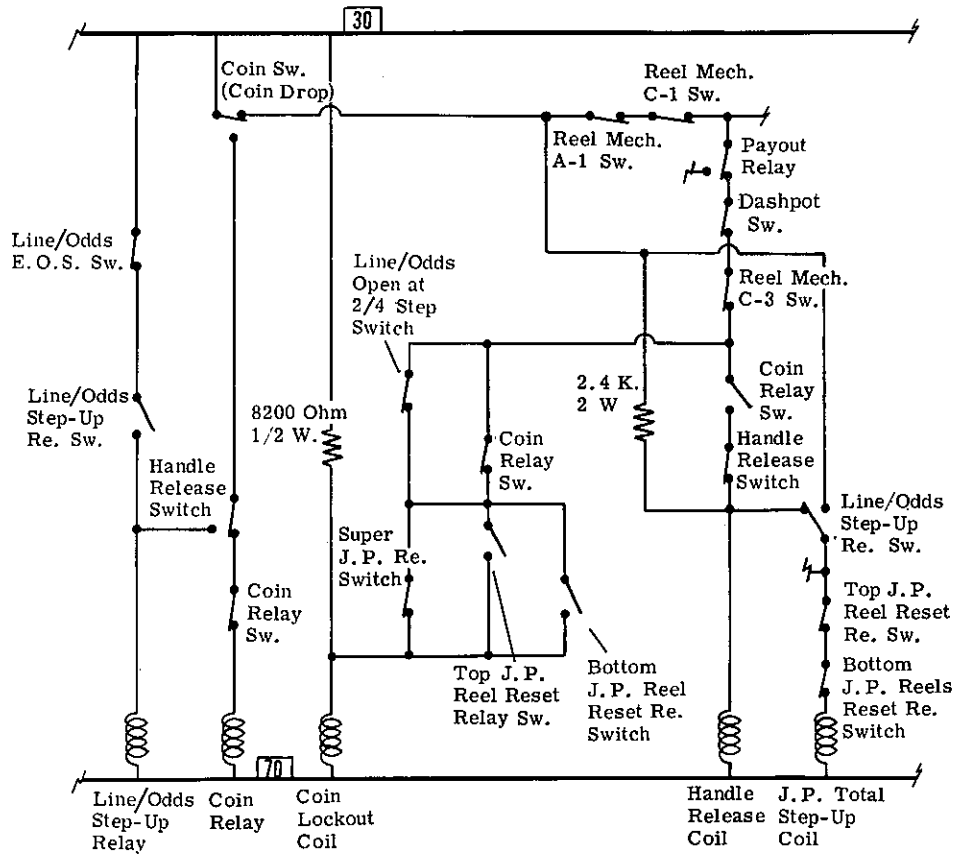
(Note: This Diagram is also very similar to Game No.'s 802, 816 & 831).



This circuit energizes the actual Hold & Cancel Buttons for an additional play cycle during "Hold & Draw Play". As you see an additional coin pulls in the Coin Relay Switch & pulses the Total-In Meter. The Draw Relay Switch is also closed if there was no previous winner or hold & draw attempt. The circuit is now completely energized. At this time a player may select a reel "hold" button combination on the second chance play.

CIRCUIT INFORMATION

PROGRESSIVE SYSTEM



Bottom J.P. Reels Reset R

CIRCUIT INFORMATION

PROGRESSIVE SYSTEM

This set of diagrams illustrates the complete Progressive "Super Jackpot" Unit system. The top diagram normally fits to the left of the lower diagram. The top diagram also shows the 3 or 5 Line Pay Coin Unit (Line Step-Up) or it can apply to a 5 Coin Multiple Unit (Odds Step-Up). The multiple coin set-up adds an extra circuit to both the Coin Lock-Out & J.P. Total Step-Up Coil. The lower diagram shows a standard 5¢ & 10¢ Progressive Reel Step-Up Unit. On a 25¢ or 50¢ machine an extra digit is added to the J.P. Reel set-up (\$1000 - \$100 - \$10 - \$1 - 10¢ plus a 1¢ dummy reel).

The Progressive J.P. Reels are alternately advanced through the J.P. Total Step-Up Unit). At the onset of a game a deposited coin (1st coin) pulses the J.P. Total Step-Up Coil thru the Coin Relay Sw. On the multiple coin games the 2nd thru 5th deposited coins also pulse the J.P. Total Step-Up Coil via the Line or Odds Step-Up Relay Switch (1 pulse per coin).

In referring to the lower diagram you will note that the J.P. Total Step-Up Arm Sw. advances the Wiper across hot circuits on the Contact Plate Disc which alternately energize the top or bottom J.P. Reel Step-Up Coil. The circuits on most J.P. Total Step-Up Discs are normally arranged as follows: 5¢ game, 1¢ added alternately to a reel total; 10¢ game, 1¢ added every time to a reel total; 25¢ game, 10¢ added every 4th coin to a reel total; 50¢ game, 10¢ added alternately to a reel total.

Note: The illustrated disc shows 1¢ added every 4th coin which is used for simplified ref. only. Also games with special odds or lightning J.P.'s may have a special Contact Plate Disc with a faster or slower reel advance schedule.

Referring now to the J.P. Reel Step-Up Coil System you will notice that the 1¢ reel (starts with the 10¢ reel on 25¢ & 50¢ machines) advances first. When the 1¢ reel advances from -7-8-9 the 0, the 1¢ Reel Units 9th step switch closes energizing the 10¢ Reel Unit Switch for one pulse. So we now have a 9¢ to 10¢ action. It's this system that advances to reels from 1¢ to \$100 or more. You will also notice the pair of (5) 9th pos. open at 9th step switches, these switches prevent the Meter from turning over (999.99 to 000.00).

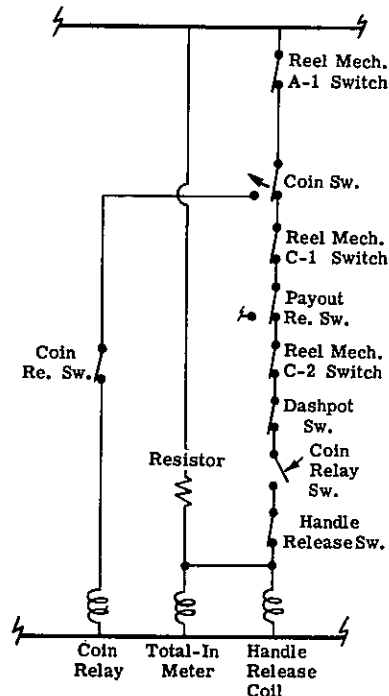
This super J.P. system is also totally independent of the regular payout circuit. The Progressive J.P. is paid by the game attendant & is not metered. Also when this J.P. is hit the Coin Lock-out Coil is de-energized (Note: Super J.P. Relay Switch opens on a super 7 hit). This prevents the handle from being pulled before a positive attendant I.D. of the Super 7 hit. The Super J.P. Relay Switches also lite the J.P. Tower and energize the J.P. Bell.

When the attendant has paid out the lit J.P. total he must then key release the machine & reset the lit J.P. Meters back. The Keyed Reset Switch (Lock Sw. #1) energizes either the Top or Bottom J.P. Reels Reset Relay (lit unit). Reset Relay Switches in-turn re-energizes the Coin Lockout Coil making it possible to insert coins for further game play. Other Reset Relay Switches complete circuits to the J.P. Total Reel Step-Up Coils which make it easy to reset the unit back to zero or an arbitrary figure. The machine is now ready for further play.

TYPICAL HANDLE RELEASE CIRCUIT

(SINGLE COIN)

Model 931 Circuit



This is a typical Handle Release Circuit showing a deposited coin (via Coin Sw.) energizing the Coin Relay Circuit. The Coin Relay Switches in-turn pulses the Handle Release Coil (releasing the handle lock), pulses the Total-In Meter & then de-energizes the Coin Relay itself.

CIRCUIT INFORMATION

5 COIN MULT. COIN CIRCUIT

This Diagram applies to Model 809 "5 Coin Multiple", Model 952 "5 Coin Multiple Progressive", & Model 956 "5 Coin Multiple (low top)". These Models use an "Odds Stepping Unit" to multiply the awards, lite-up appropriate feature lites & set up the payouts as additional coins are added. You will note that this general coin step-up system is very similar to the 3 & 5 Line Pay Models (831 & 873 etc.) except that a Line Stepping Unit is used. The "Line Unit" simply adds an additional payline & payout circuit.

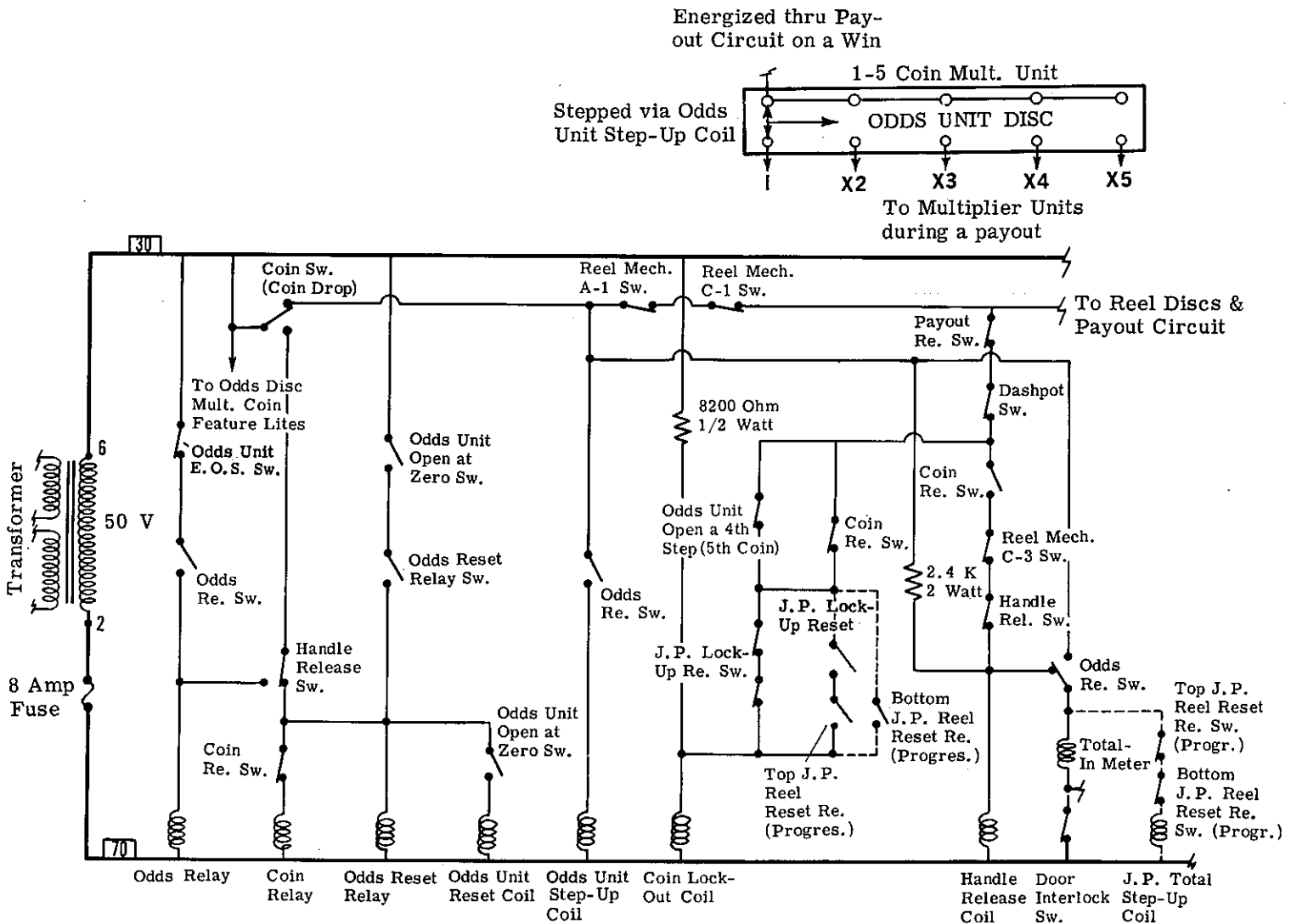
The dotted line circuits represent the new "5 Coin Multiplier-Progressive (#952) feature. The main function of these circuits is to pulse the super progressive jackpot step-ups (adds to super jackpot meters).

CIRCUIT FUNCTION

When the machine is coined the Coin Relay is pulsed which energizes the: Handle Release Coil

(which releases the Handle), the "Total-In" Meter, Meter, the Odds Relay (via a Handle Release Sw.) & The Odds Unit Step-Up Coil (via an Odds Relay Sw.). Also when the machine is coined a circuit pulses the Odds Reset Relay & Odds Unit Reset Coil. This action resets the previous game features (multiple pay step-ups, on Odds Disc) back to a single game. The game is now ready to play or additional coins may be added for multiplying payouts.

Additional deposited coins pulse the Odds Step-Up Coil which lites-up the score advances on Odds Disc). Also as the Odds Unit steps-up it will open the coin circuit when the game reaches its 5 coin limit by de-energizing the Coin Lock-Out Coil (via the Odds Unit open at 4th step Sw.). At this time additional deposited coins will be returned. The game is now fully stepped with all features lit & is ready for play.



CIRCUIT INFORMATION

5 COIN MULT. WINNER CIRCUIT

This Diagram shows a typical Model 809 winners circuit. Model 956 & 972 (low tops) use a very similar system, however, the Count Unit (J. P. Meter Control - not shown) is eliminated & all payout & J. P. Meter circuits are incorporated on the Odds Disc.

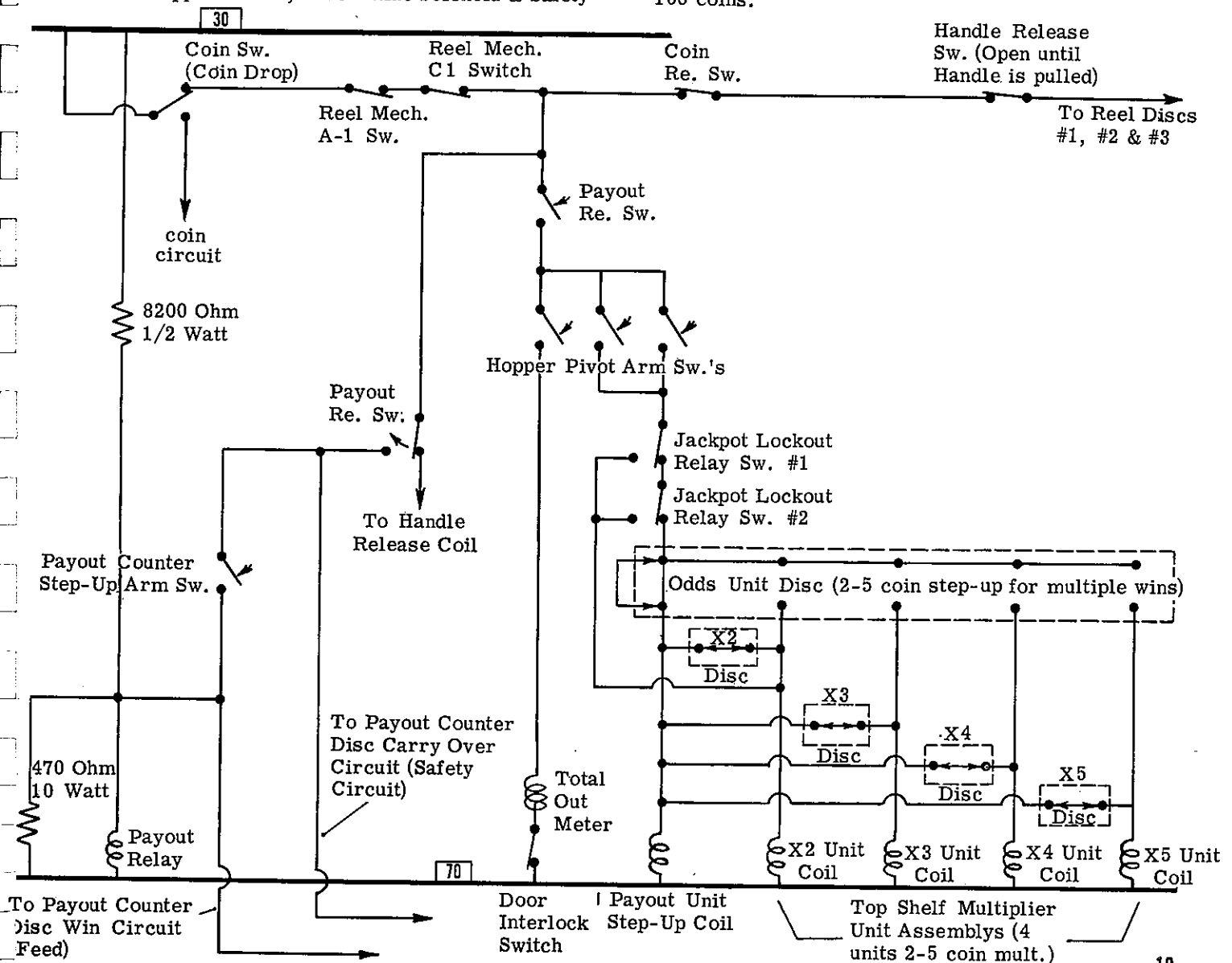
Model 952 (the 5 Coin Multiple - Progressive) uses a different multiplier system. This system uses an Odds Follower Unit which eliminates the X2, X3, X4 & X5 Multiplier Units. The Follower Unit itself acts as a multiplier unit (via the Safety Relay) by resetting & recycling the Odds Unit Disc during a payout. The number of times the Odds Unit is recycled depends on the number of coins played.

Timer Motor. As the coins are being dispensed the Pivot Arm operates the 3 Pivot Arm Sw.'s which in-turn operate the Total-Out Meter, J.P. Meter (1 = 100 coins - Low Boy only), and the Payout Unit Step-Up Coil (via Odds's Disc). Note: the Progressive is mechanically stepped & uses an Odds Follower Unit. The pulsing win circuit (Pivot Switches) determine a multiplier type win by the Odds Unit Disc circuits controlling the X2, X3, X4 & X5 Multiplier Units. These circuits operate the Payout Counter Step-Up Coil. When the Payout Counter's Wiper Arm steps off the hot win circuit on the Disc the payout is complete (up to 200 coins) & the whole circuit is de-energized.

On large jackpots these games pay out up to 200 coins with the balance paid by an attendant. This balance is also recorded by the Jackpot Meter (operated by the Count Unit Disc in game 809) (via the Pivot Arm, Odds Disc & P.O. Counter Disc in low top styles) (& Via the Payout Counters Step-Up Arm Sw. in the Progressive unit. The Jackpot Meter is pulsed normally 1 per 50 coins or 1 per 100 coins.

CIRCUIT FUNCTION

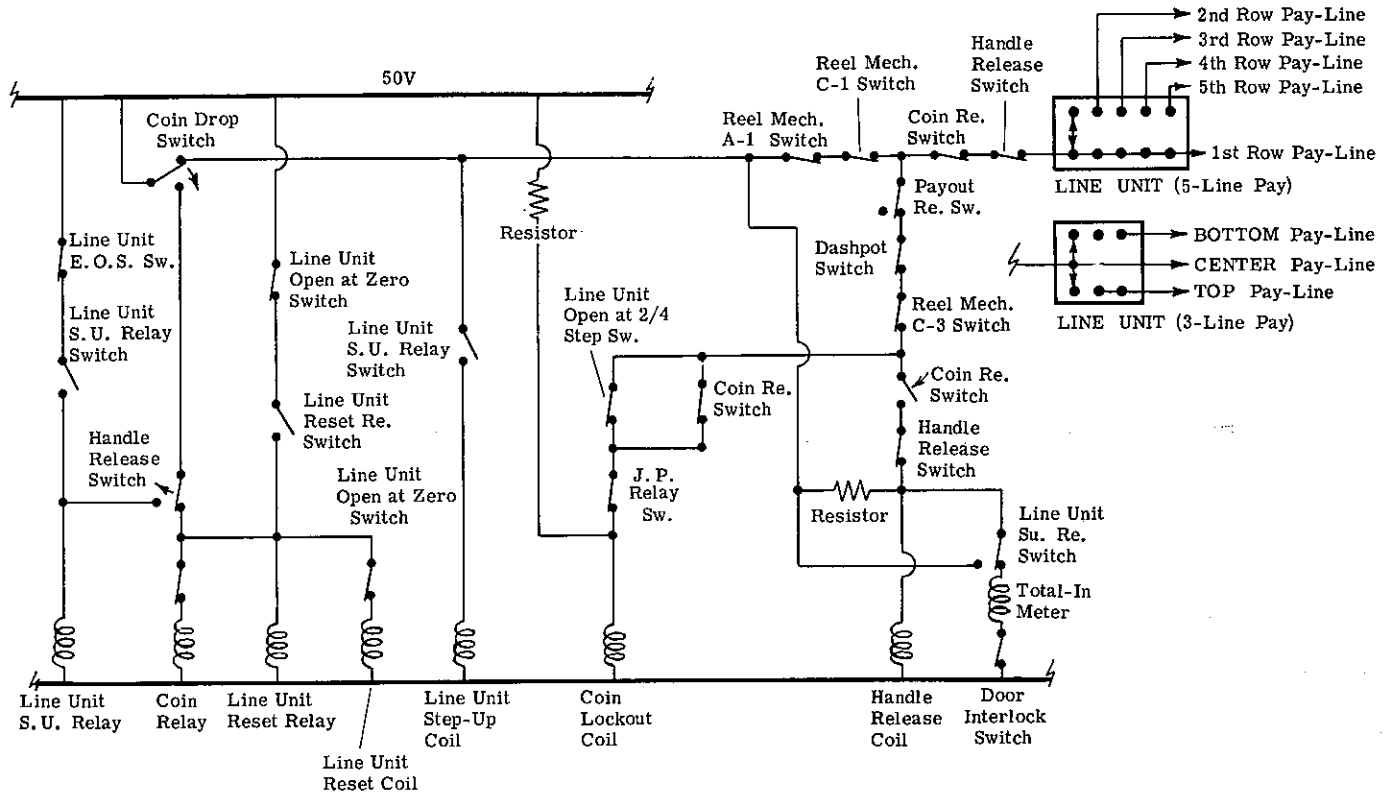
When a winner has been achieved the Payout Relay is energized via a "hot" win circuit on the Payout Counter Disc (via Reel Contact Plate Disc). The Payout Relay Switches in-turn complete circuits to the Hopper Motor, Over-Ride Solenoid & Safety



CIRCUIT INFORMATION

3 & 5 LINE PAY COIN SYSTEM

MULTIPLE FEATURE COIN CIRCUIT



This Schematic Diagram shows the 3 and 5 Line Pay coin step-up circuit. The following paragraphs outline the circuit details.

When the first coin is deposited, the Coin Relay receives a pulse from the Coin Drop Sw. This pulse energizes the Coin Relay Coil, the Line Unit Reset Relay & the Line Unit Reset Coil (which resets previous games extra lines back to single payline play). The Coin Relay Sw. in-turn completes a circuit to the Handle Release Coil which in-turn completes a circuit to the Line Unit Step-Up Relay.

The Line Unit Step-Up Relay Switches now pulses the Line Unit Step-Up Coil to light the single center payline, & pulses the "Total-In" meter for 1 coin. The game is now ready for a single coin/single Payline Play.

If additional paylines are desired, deposited coins will continue to pulse the Line Unit Step-Up Relay thru the Handle Release Coil Switch (Note: the Line Unit E.O.S. Sw. de-energizes the Line Unit Relay after each coin step-up). The Line Unit Relay Switch in-turn pulses the "Total-In" Meter & also the Line Unit Step-Up Coil which lites additional payout circuits to the reel mechanism contact plate discs (Note: During the entire additional payline step-up's the Coin Relay, Line Unit Reset Relay & Line Unit Reset Coil are de-energized - via Handle Release Sw.).

The Coin Lockout Coil is energized to return a deposited coin when the game reaches the feature limit, 3 coins/3 lines or 5 coins/5 lines. This circuit is energized by a Line Unit Step-Up Switch opening on the second step (3 lines) or the fourth step (5 lines).

CIRCUIT INFORMATION

3 & 5 LINE PAY WINNERS CIRCUIT

This circuit drawing applies to the standard 3 & 5 Line Pay & also the 3 & 5 Line Progressive styles.

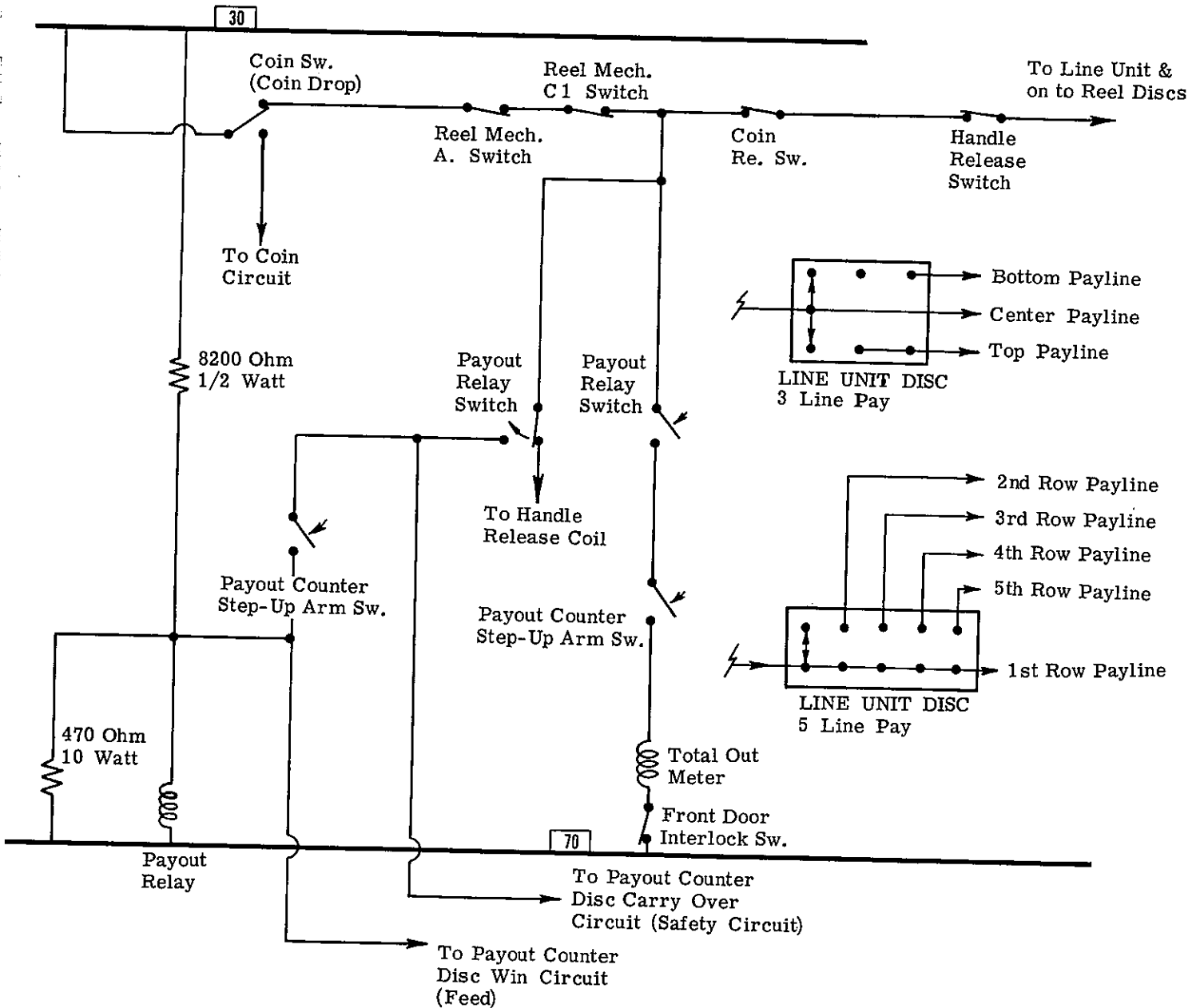
CIRCUIT FUNCTION

When a winner has been achieved, the Payout Relay is energized via a hot win circuit on the Payout Counter Disc (from a win circuit on the Reel Discs). The Payout Relay Switches in-turn complete circuits to operate the Hopper Motor, Over-Ride Solenoid & Safety Timer Motor. While the Hopper is operating & paying out coins it is also Mechanically stepping the Payout Counter Step-Up Arm (via coins passing under the Hopper Pivot Arm). When the Counter Unit's Wiper Arm has moved off the hot win circuit on Disc's printed circuit the Pay-

out Relay is de-energized which ends the payout (Over-Ride Solenoid cuts off coin flow).

Both 3 & 5 line styles use a Line Step-Up Unit to add extra paylines when additional coins are deposited. The Line Unit will add additional circuits to the Reel Discs for multiple payline play. The added circuits also provide for combined win totals if more than one win combination appears on the Reel Glass paylines.

On all standard multiple payline units the machine will pay out a maximum of 200 coins. On large jackpots over 200 coins the machine pays out 200 coins directly, locks-up & records the balance which is attendant paid on a Jackpot Meter. The attendant must then key release the game for further play.



LUBRICATION GUIDE

HOPPER PAYOUT ASSEMBLY

	Lubriplate #1 Oil	Heavy Duty Hytrotex Lube #651
(A) PAYOUT HOPPER UNIT		
1. Teeth of all drive gears.		X
2. Oil hole in housing support.	X	
3. Point on pivot arm assembly that connects with step-up arm of payout counter unit.		X
4. Stud of roller on pivot arm assembly.	X	
5. Pivot pin on pivot arm assembly.		X
6. Override solenoid plunger.		X
7. Spring stud and shoulder bushing of coin kicker assembly.		X
8. Pivot of coin kicker assembly.		X
(B) PAYOUT COUNTER ASSEMBLY		
1. Contact plate segments.	None	
2. Ratchet shaft.	X	
3. Reset pawl pivot points.	X	
4. Step-up arm pivot points.	X	
5. Step-up pawl.		X
6. Slots of carriage assembly that travel on studs on contact plate.		X
7. "O" switch arm pivot.	X	
8. Pivot of step-up arm and connecting link.		X

HANDLE MECHANISM ASSEMBLY

1. Oil hole in handle shaft bearing (left).	X	
2. Between ratchet bearing and side plate (right).	X	
3. On teeth of rack lock lever assembly.		X
4. On sleeve shaft.		X
5. On guide spring shaft.		X
6. On point where lock lever engages rack lock lever.		X
7. On both ends of shaft of lock pawl assembly that come thru bushings in side plates.		X
8. On both ends of shaft of full stroke pawl assembly that come thru bushings in side plates.		X
9. On point where full stroke assembly engages rack lock lever.		X
10. On shaft of full stroke pawl where anti-cheat bar rotates.		X
11. On ear of anti-cheat bar where it contacts full stroke pawl assembly.		X

REEL MECHANISM ASSEMBLY

(A) CLOCK ASSEMBLY		
1. All pinions and gears (1-drop)	X	
2. Points where shafts come thru (1-drop) Cover and Base Assemblies	X	
(B) COIN RELAY ASSEMBLY		
1. Point where armature latch assembly latches to armature.		X
2. Points (2) where armature is staked to relay frame.		X
(C) REEL ASSEMBLY		
1. Oil hole in bearing and hub assembly.	X	
(D) TIMER SHAFT ASSEMBLY		
1. On shaft where it rotates in bushing of right side plate.		X
2. On shaft where timer idler levers rotate.		X
3. On bushing of timer lever where timer link connects.		X
4. On spring studs where latch links connect.		X

LUBRICATION GUIDE

REEL MECHANISM ASSEMBLY

	Lubriplate #1 Oil	Heavy Duty Hyrotex Lube #651
(E) TRIP SHAFT ASSEMBLY		
1. On shaft where it rotates in bushings on left and right side plates.		X
2. On shaft where toggle and link assemblies rotate.		X
3. On spring studs of crank levers where drive link connects.		X
(F) INDEX LEVER AND WIPER ASSEMBLIES		
1. On index lever pins and roller pins of index lever arms.		X
2. On index levers where they fall into selector base.		X
3. On all wipers - 1 drop only. Use LB-550X.		
(G) 3RD REEL VARIATOR (TIMER LINK ASSEMBLY)		
1. On inside of timer ratchet and stud assembly.		X
(H) CONNECTING ROD AND OPERATING LEVER ASSEMBLY		
1. On pin that connects connecting rod assembly to universal coupling.		X
2. On universal coupling where it rotates in trip operating lever.		X
3. On stud connecting trip pawl to trip operating lever assembly.		X
4. On trip pawl where it contacts trip lever assembly.		X
5. On connecting rod.		X
(I) LEFT SIDE OF REEL MECHANISM		
1. On stud of switch operating lever where reset link connects.		X
2. On reset link where it travels on stud in left side plate.		X
3. On timer link where it travels on stud of switch operating lever.		X
4. Pin on left side plate that holds ratchet arm and ratchet.		X
(J) RIGHT SIDE OF REEL MECHANISM		
1. In teeth of both gear assemblies.		X
2. In roller on gear assembly.	X	
3. In roller of trip lever assembly.	X	
4. On trip lever assembly where it is actuated by trip pawl.		X
5. On pin that connects air cylinder link to trip operating lever.		X
6. On shaft going thru trip operating lever.		X
7. In pin hole at back of air cylinder.	X	
8. On pin between connecting rod and gear assembly.		X
9. In air cylinder when piston is fully in.		X
(K) REEL MECHANISM - GENERAL		
1. Slots of selector base where the index levers travel.		X
2. On index lever shaft where the index levers and driving levers rotate.		X
3. On the spring studs of driving levers and slots of drive links.		X
4. On pins that connect toggle links to index levers and toggle levers.		X
5. On shaft where latch pawls rotate.		X
6. On latch pawls where they latch to toggle levers.		X
7. In slots of latch links that travel on spring studs of latch pawls.		X
8. Shafts on (2) gear assemblies.		X

LUBRICATION GUIDE

REEL MECHANISM ASSEMBLY

	Heavy Duty Hyrotex Lube
(L) HOLD AND DRAW MECHANISM	
1. Switch Actuator Slide	X
2. Reset Slide & Stud Assy.	X
3. At all three Reel Lock Assy.'s (A-187) & the three Latch Arm Assemblies (A-188).	X

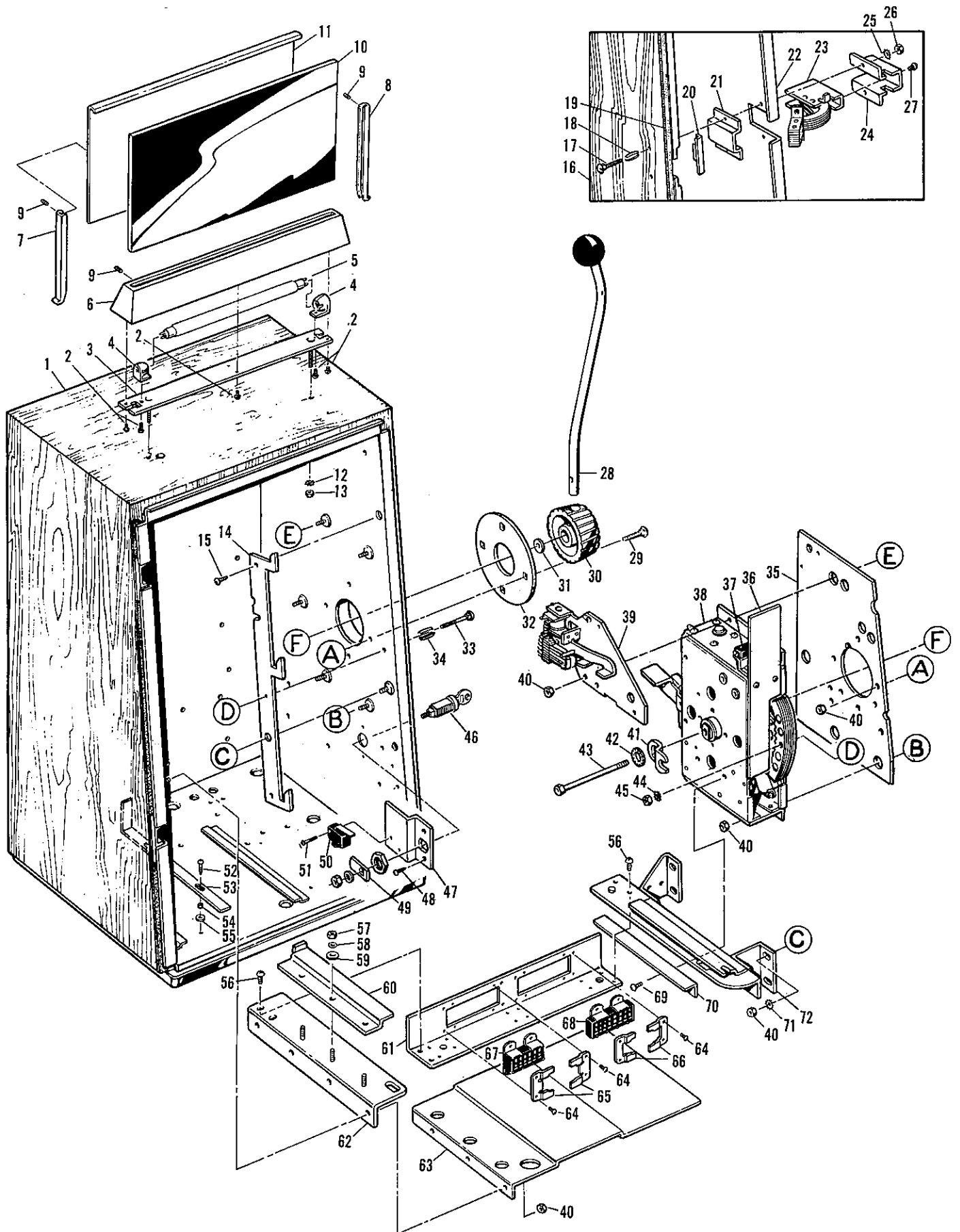
NOTES

EXPLODED VIEW SECTION



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CABINET ASSEMBLY - P. I

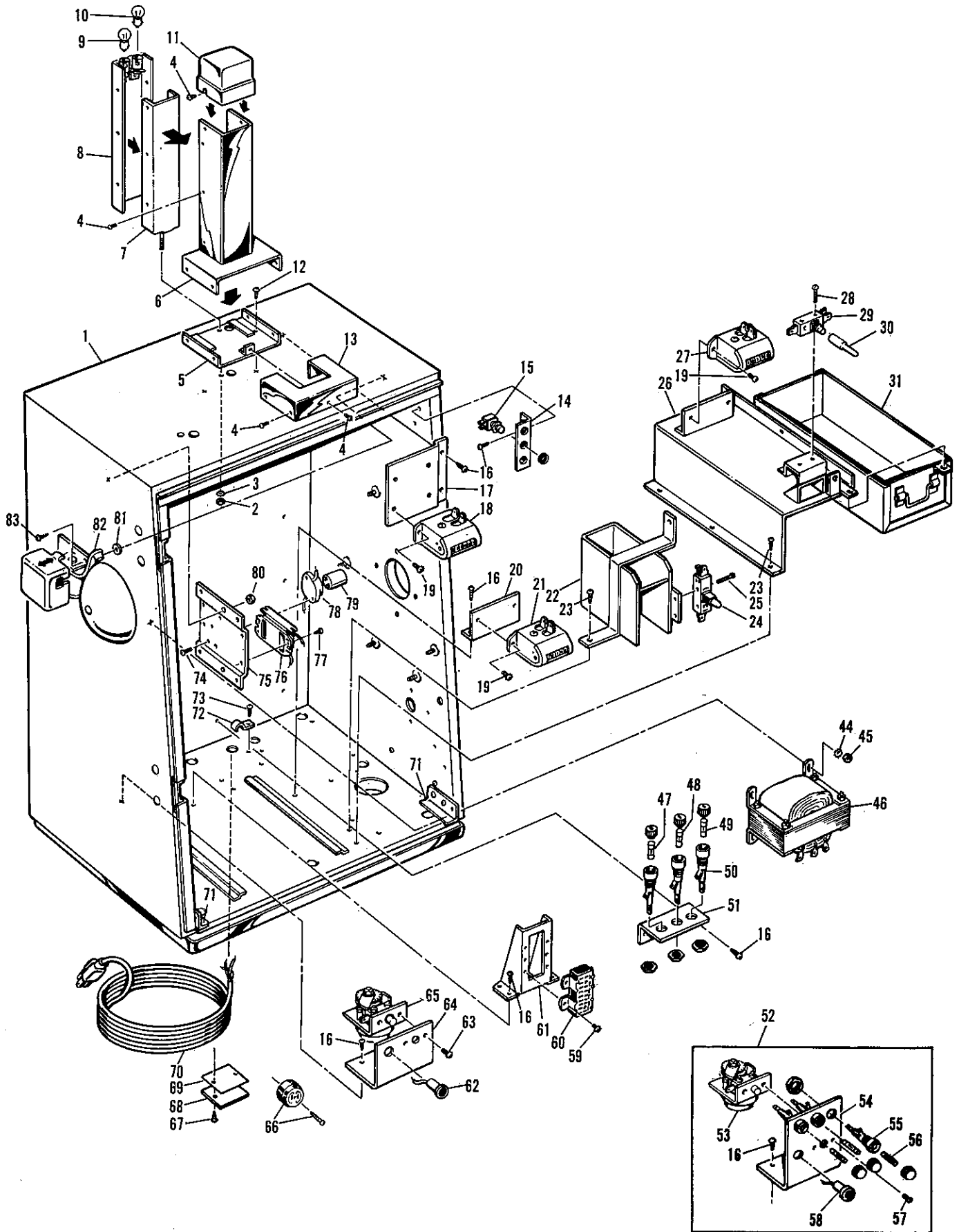


ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CABINET ASSEMBLY PART I

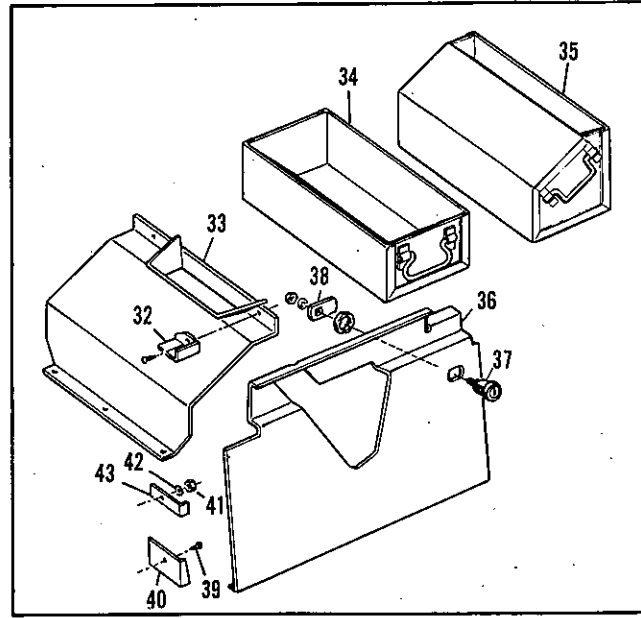
Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This Illustration & Part List covers the Standard Cabinet Components used in virtually all Bally 3 Reel Slot Machines. This applies to American & most Export games.</p>							
1	CA-1164-8	Wood Cabinet (Model 742, 802 & 816)	1	30	C-641	Hub	1
	CA-1164-19	Wood Cabinet - Top Feat. (Model 785)	1	31	P-1158-6	Spring Washer	1
	CA-1164-26	Wood Cabinet - Top Feat. (Model 804, 808, 809, 831 & 873)	1	32	P-6280	Mtg. Disc	1
	CA-1164-117	Wood Cabinet - Top Feat. (Model 889, 903, 922, 931, 935, 944, 945, 952, 963 & 967)	1	33	CBOR-01024-1428	Carriage Bolt	1
	CA-1164-121	Wood Cabinet - Top Feat. (Model 903 & 931)	1	34	P-6641-3	Spacer Set (prevents cracking Formica)	1 Set
<p>Note: Specify type of wood finish or color (Formica).</p>				35	P-6281	Mounting Plate	1
	A-2919-4	Metal Cabinet Liner	1	36	P-1973-319	Handle Mech. Cover & Shield	1
	CA-1165-1	Cabinet Base (cash box style)	1		SAPB-00600-1104	Screw	2
	CA-1165-2	Cabinet Base (diverter style)	1	37	E-108-91	Handle Micro-Switch (used on games with a Replay Register on Collect Button Circuit (anti-cheat)	As Req.
<p>Note: Index No.'s 1-13 comprise the Top Display Sign Unit, #AS-2414. If a Sign Back is desired please specify (Index No. 11).</p>					MSSR-00440-1108	Screw (micro-sw.)	2
2	LSPR-00632-1104	Screw	6		P-7242-1	Brkt. (shield & micro-sw.)	1
3	A-3123	Sign Support Assembly	1	38	AS-2301-9	Handle Mech. (see Exploded View - Index No.'s 36-37 not included)	1
4	E-120-119	Fluorescent Socket	2	39	AS-435-Series	Handle Lockout Unit (see Complete Model Break-down & Exploded View)	1
5	E-412-5	Fluor. Tube (F8TS/CW)	1	40	N-25020-2112	Nut	26
6	C-671	Display Sign Base	1	41	P-6288	Actuating Arm	1
7	P-6905-2	Sign Support - Left	1	42		5/16" Lockwasher	1
8	P-6905-1	Sign Support - Right	1	43	M-1372	Hex. Hd. Screw 5/16-24 x 4-1/4" Lg.	1
9	KPAO-00632-1103	Set Screw	4	44		#10 Lockwasher	1
10	M-1433-Series	Display Sign Glass (specify complete Model No.	1	45	N-01024-2112	Nut	1
11	P-7087	Top Sign Back (optional)	As Req.	<p>Note: Index No.'s 46-51 comprises the J.P. Lock-Up Reel Release Unit. This same Unit. This same unit is also used as a "Progressive" J.P. Reel Reset.</p>			
12		#8 Lockwasher	2	46	M-281-44	Lock Unit	1
13	N-00832-2112	Nut	2	47	P-3473-7	Lock Brkt.	1
14	P-6416-1	Bar Lock - Front Door	1	48	WSPR-00800-1108	Wood Screw	2
15	WSPR-01000-1110	Wood Screw	2	49	P-758-17	Lock Cam	1
16		Hinge Assy. Details	1	50	E-108-91	Micro-Switch	1
17	M-1348-1	Carriage Bolt	4	51	MSSR-00440-1108	Screw	2
18	P-6441	Spacer Set (prevents cracking Formica) As req.		<p>Note: Index No.'s 52-55 is the new safety timer reset unit. The convenient Bar Unit depresses the Reset Button w/o removing the Hopper.</p>			
	P-6441-4	Spacer Set (prevents cracking Formica)	As Req.	52	WSPT-00800-1114	Wood Screw	2
19	R-380	Sponge Rubber Strip	1	53	P-6665-273	Reset Bar	1
20	P-6455	Hinge Guard	2	54	S-231-777	Bushing	2
21	P-6414-1	Hinge Protector Brkt.	2	55	P-801-107	Washer	2
22	A-2919-4	Metal Cabinet Liner	1	56	LSPR-01032-1106	Screw	4
23	A-2875	Hinge Assy.	2	57	N-01032-2112	Nut	3
24	P-6295-1	Mtg. Plate Brkt.	2	58		#10 Lockwasher	3
25		#1/4 Lockwasher	4	59	P-800-6	Washer	3
26	N-25020-2112	Nut	4	60	P-6267-1	Rail Guide	1
27	LSPR-01032-1104	Screw	4	61	P-6415-7	Plug Mtg. Brkt.	1
28	A-2303	Handle Assy.	1	62	A-2866-1	Rail Assembly	1
29	M-1348-1	Carriage Bolt	4	63	A-6538	Hopper Protector Plate	1
				64	LSPR-00832-1104	Screw	8
				65	P-7444-2	18 Pt. Plug Mtg. Brkt.	2
				66	P-7444-1	24 Pt. Plug Mtg. Brkt.	2
				67	E-574	18 Pt. Beauplug - Female	1
				68	E-574-1	24 Pt. Beauplug - Female	1
				69	LSPR-00832-1105	Screw	2
				70	P-6551	Support Brkt.	1
				71		#1/4 Lockwasher	2
				72	A-2866	Rail Assy.	1

CABINET ASSEMBLY P.II



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CABINET ASSEMBLY - P. II

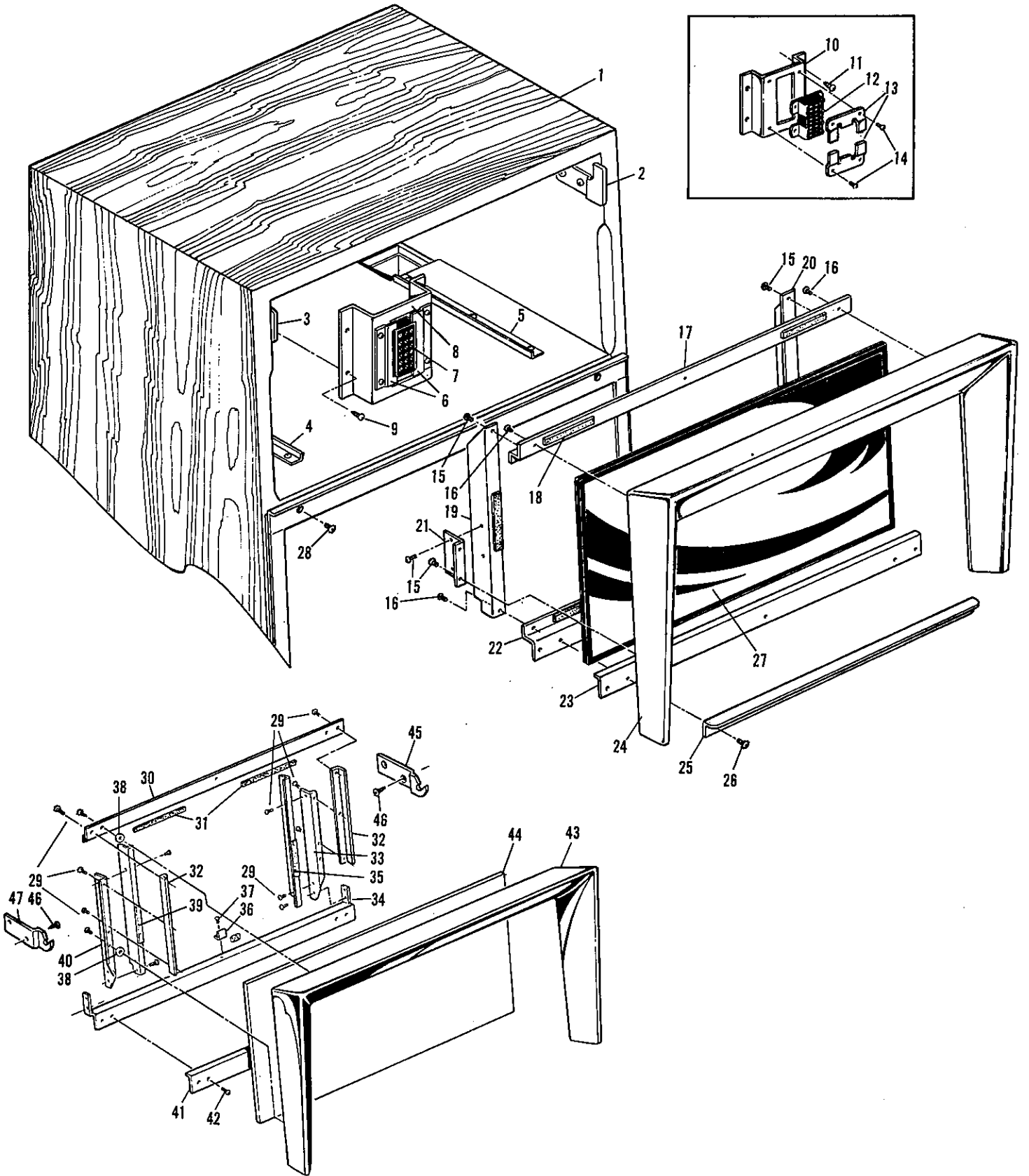


Index No.	Part No.	Description	No. Req.
<p>Note: This illustration & Parts List covers the Standard Cabinet Components used in virtually all Bally 3 Reel Slot Machines. This applies to American, English & European Machines (with the exception of Scandinavian Machines - separate Catalogs).</p>			
1	CA-1164-8	Wood Cabinet (Models 742, 802 & 816)	1
	CA-1164-19	Wood Cabinet - Top Feat. (Model 785)	1
	CA-1164-26	Wood Cabinet - Top Feat. (Model 804, 808, 809, 831 & 873)	1
	CA-1164-117	Wood Cabinet - Top Feat. (Model 889, 903, 922, 931, 935, 944, 945, 952, 963 & 967)	1
	CA-1164-121	Wood Cabinet - Top Feat. (Model 903 & 931)	1
<p>Note: Specify type wood finish or color (Formica)</p>			
	A-2919-4	Metal Cabinet Liner	1
	CA-1165-1	Cabinet Base (Cash Box Style)	1
	CA-1165-2	Cabinet Base (Diverter style)	1
<p>Note: Index No.'s 2-13 is the optional Jackpot Tower Assy., #AS-2361-56. This unit can be used to flash a J.P. or indicate a customer need for change or service (via Service Button).</p>			
2	N-00832-2112	Nut	1
3		#8 Lockwasher	1
4	SAPT-00400-1404	Screw	8

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
5	A-3050	Mtg. Bracket	1	38		Included w/lock	1
6	A-3011-30	Wrap Around Assy.	1	39	WSPR-00800-1108	Wood Screw	1
7	A-3010-7	Support Brkt.	1	40	P-6562	Door Brace (in lower L. Cab. Corner)	1
8	A-3012-9	Channel Cover Assy.	1	41	N-25020-2112	Nut (to lower hinge bolt)	1
9	E-125-5	Lamp	1	42		#1/4 Lockwasher	1
10	E-125-44	Lamp Flasher	1	43	P-6665-3	Hopper Door Brkt.	1
11	E-673	Plastic Lt. Cover - Red	1	44		#8 Lockwasher	4
	E-673-1	Plastic Lt. Cover - Green	1	45	N-00832-2112	Nut	4
	E-673-2	Plastic Lt. Cover - Yellow	1	46	E-122-105	Transformer	1
	E-673-3	Plastic Lt. Cover - Coral	1	47	E-133-5	5 Amp Fuse	1
	E-673-4	Plastic Lt. Cover - Blue	1	48	E-133-5	5 Amp Fuse	1
12	WSPR-00800-1108	Wood Screw	2	49	E-133-8	8 Amp Fuse	1
13	P-6730	Cover	1	50	E-148-13	Fuse Holder	3
<p>Note: Index No.'s 14-15 represent an optional J.P. Cancel (reel lock-up on J.P.) Reset Button System. On some 785, 889, 922 & 952 Games this button system (2) is used to reset the 777 Meters.</p>				51	P-6500	Fuse Holder Brkt.	1
14	P-6665-164	Switch Bracket	1	52		Combined Fuse & Safety Timer Unit	As Req.
15	E-108-106	Push Button Sw.	1-2	53	E-119-348	Safety Timer Unit	1
16	WSPR-00800-1108	Wood Screw	As Req.	54	P-6665-247	Timer & Fuse Brkt.	1
17	P-6442-10	Mtg. Brkt.	1	55	E-148-13	Fuse Holder	3
18	E-130-10	Counter (J.P. monitors etc.)	1-2	56	E-133-5	5 Amp Fuse	2
19	LSPR-00632-1103	Screw	2-4		E-133-8	8 Amp Fuse - Right Side	1
<p>Note: Index No.'s 20-25 is the Count Meter & Coin Diverter Unit (coins thru base).</p>				57	LSPR-00832-1104	Screw	2
20	P-4228	Meter Mtg. Brkt.	1	58	E-580	Indicator Light	1
21	E-130-10	Counter (coins to cash box)	1	59	LSPR-00632-1103	Screw	4
22	A-3018-3	Coin Chute Assy.	1	60	E-574-1	24 Pt. Beaplug - Female (Hopper)	1
23	WSPR-01000-1108	Wood Screw	As Req.		E-574-4	30 Pt. Beaplug - Female (Hopper)	1
24	E-108-94	Door Interlock Sw. (meters)	1	61	P-6417-1	Socket Mtg. Brkt. (24 Pt. Plug)	1
25	MSSR-00632-1112	Screw	2		P-6417-2	Socket Mtg. Brkt. (30 Pt. plug)	1
<p>Note: Index No.'s 26-31 represents the Standard Cash Box System.</p>				62	E-580	Indicator Light	1
26	A-2949-4	Cash Box Housing	1	63	LSPR-00832-1104	Screw	2
27	E-130-10	Cash Box Counter	1	64	P-6513	Timer Motor Brkt.	1
28	MSSR-00632-1112	Screw	2	65	E-119-348	Timer Motor Unit	1
29	E-108-94	Door Interlock Switch (meters)	1	66	E-110-1	Convenience Outlet	1
30	S-286-27	Sw. Actuator Pin	1	67	WSSF-00800-1108	Wood Screw	1
31	A-2892-4	Cash Box (padlock provision)	1	68	P-6453	Cord Lock Plate	1
<p>Note: Index No.'s 32-43 is the Cash Box System & Security Cover Plate Unit used on Machines using an Overflow Auger type Payout Hopper. These games use a Total In & Total-Out Meter only. All deposited coins are routed to Payout Hopper (no coin Diverter).</p>				69	P-150-70	Insulator Shield	1
32	P-6579	Lock Bracket	1	70	E-126-43	Cord Set	1
33	A-2940-3	Cash Box Housing Assy.	1	71	P-6665-337	Baffle (replaces Front Door Corner Guards)	2
34	A-2892-5	Cash Box (std.)	1		WSPR-00800-1108	Wood Screw	4
35	A-2892	Cash Box (lg. capacity)	1	72	E-189-10	Cord Clamp	1
36	P-6581	Hopper Door	1	73	SWPR-00800-1108	Wood Screw	1
37	M-281-41	Lock Unit	1	74	LSPR-00632-1108	Screw (starter socket)	4
				75	P-6447	Fluor. Unit Mtg. Brkt.	1
				76	E-409-1	Ballast (Front Door & Top Sign)	2
				77	LSPR-00632-1103	Screw	4
				78	E-120-120	Starter Socket	2
				79	E-411-4	Fluor. Starter (U.S.A.)	2
					E-411-7	Fluor. Starter - Plastic Case (Europe & Australia)	2
				80	N-00832-2112	Nut	2
				81	P-2552-1	Extruded Washer	3
				82	M-1366	Jackpot Bell	1
				83	WSPR-00800-1114	Wood Screw	3

CABINET ASSEMBLY - P. III

3 REEL FEATURE GAMES



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

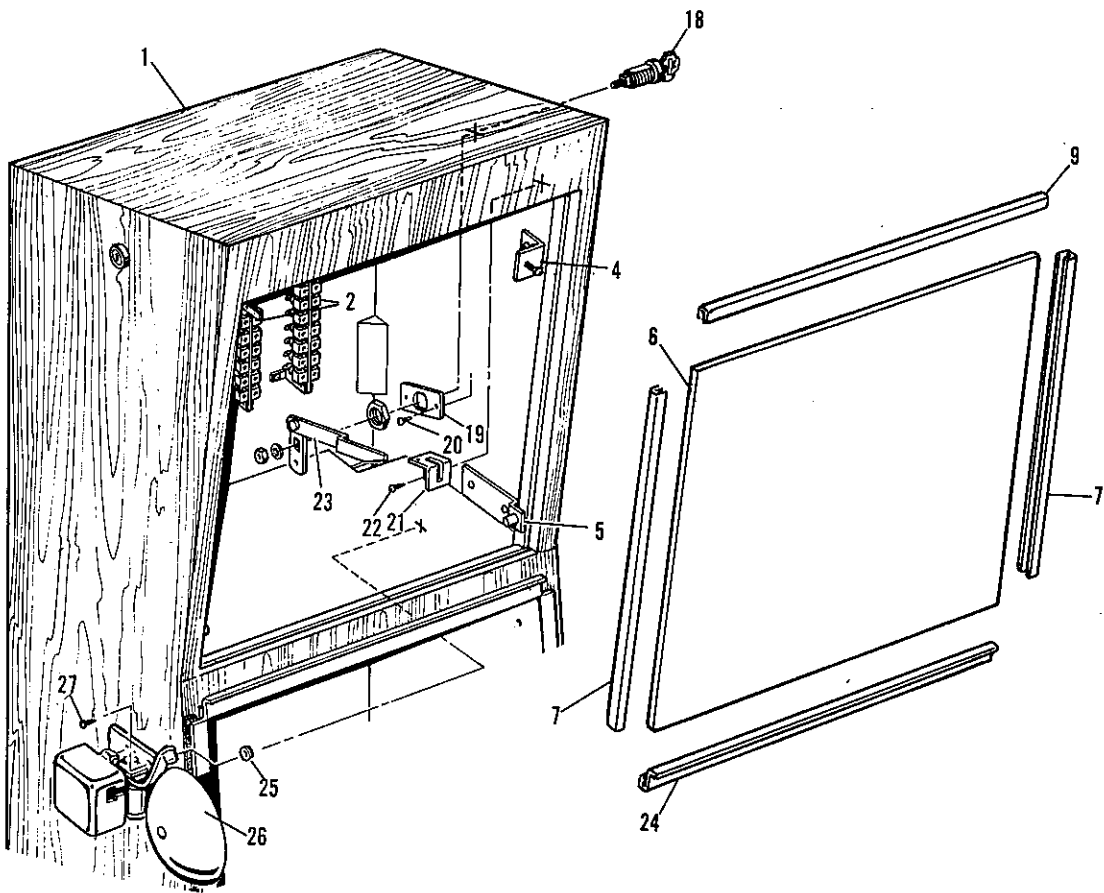
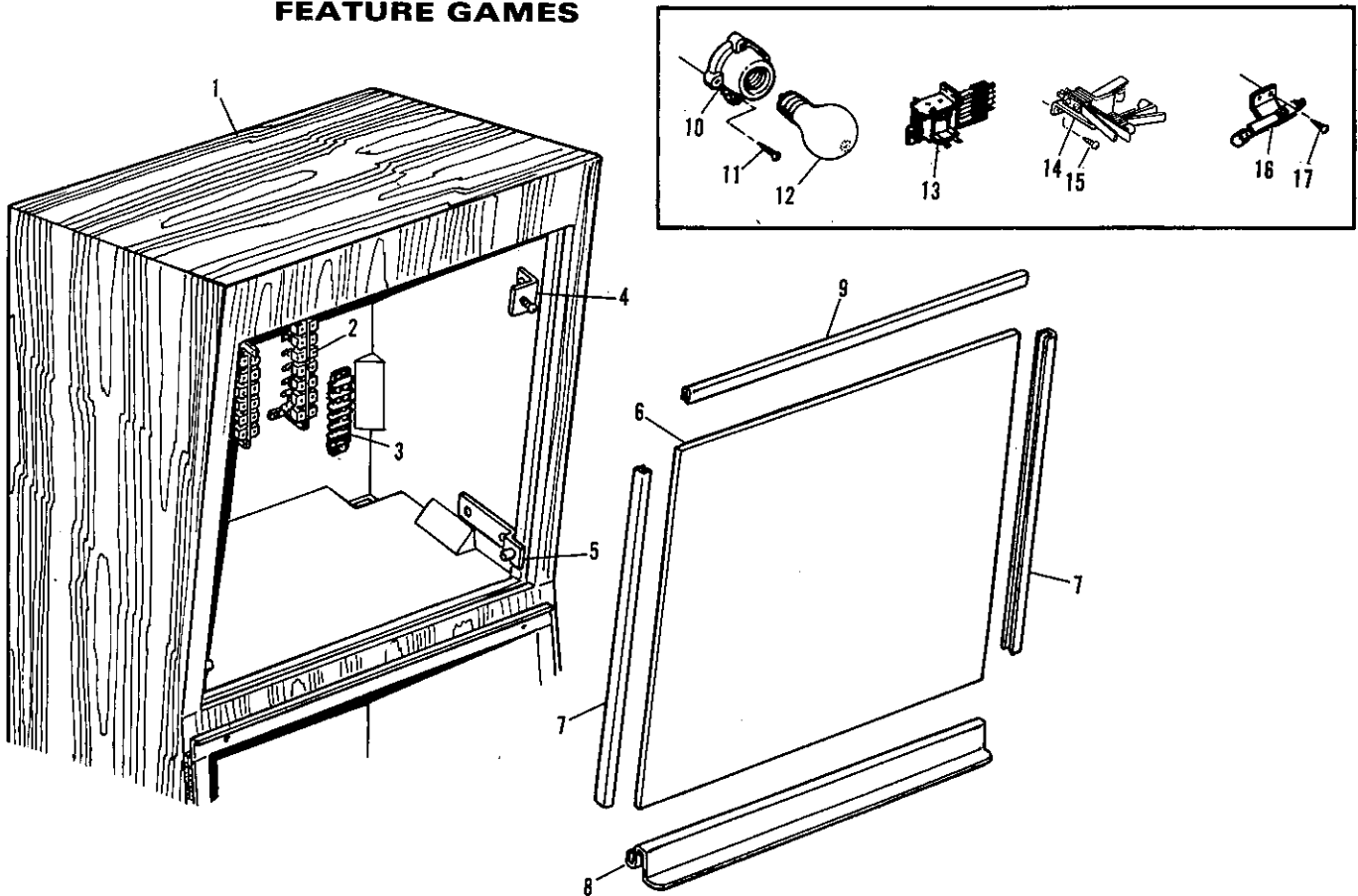
CABINET ASSEMBLY - PART III

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This illustration covers Bally's 3 Reel Standard Feature Models, 785, 804, 808, 809, 831 & 873.</p>				18	R-221-8	Sponge Rubber Strip (glass cushion) . . .	6
1	CA-1164-19	Wood Cabinet (model 785)	1	19	P-6665-288	Frame Brkt. - Left . . .	1
	CA-1164-26	Wood Cabinet (model 804, 808, 809, 831 & 873) . . .	1	20	P-6665-289	Frame Brkt. - Right . . .	1
	A-2919-4	Metal Cabinet Liner . . .	1	21	P-6665-290	Frame Mtg. Brkt. . . .	2
	CA-1165-1	Cabinet Base - Cash Box Style	1	22	P-6442-87	Frame - Bottom	1
	CA-1165-2	Cabinet Base - Diverter style	1	23	P-6665-102	Glass Retainer Bottom . . .	1
2	P-7593	Frame Lock - Right . . .	1	24	C-658-7	Chrome Reel Frame . . .	1
	WSPR-00800-1108	Wood Screw	2	25	P-6665-397	Brkt. (Anti-Left) . . .	1
3	P-7593-1	Frame Lock - Left . . .	1	26	LSPR-00632-1103	Screw	3
	WSPR-00800-1108	Wood Screw	2	27	G-355-Series	Top Feature Glass - Specify Complete Model No. (use Black Elec. Tape as edge protector)	1
4	P-6665-48	Guide Bracket	1	28	LSPR-00832-1108	Screw (locks top glass frame to cabinet) . . .	2
	WSPR-00800-1108	Wood Screw	3	<p>Note: Index No.'s 29-43 comprise the older style Frame Unit (pre-1971). The Glass & Chrome Frame is the same. Note that this unit used different cabinet hooks.</p>			
5	P-6665-49	Guide Bracket	1	29	LSPR-00832-1104	Screw	11
	WSPR-00800-1108	Wood Screw	3	30	P-6442-4	Frame - Top	1
6	P-6375-2	Plug Mtg. Brkt. (18 pt. plug)	2	31	R-221-8	Rubber Strip	As Req.
	P-6375-3	Plug Mtg. Brkt. (24 pt. plug)	2	32	P-6665-99	Brkt.	2
	LSPR-00832-1104	Screw	4	33	P-6803-1	Frame - Right Side . . .	1
7	E-574	18 Pt. Beauplug (female)	1	34	P-6809-1	Frame - Bottom	1
	E-574-1	24 Pt. Beauplug (female)	As Req.	35	P-6665-101	Glass Retainer - Right . . .	1
8	P-6808	Plug Mtg. Brkt.	1	36	P-6665-27	Bracket	1
9	WSPR-00800-1108	Wood Screw	4	37	LSPR-00832-1103	Screw	1
<p>Note: Index No.'s 10-14 is a new alternate Plug Bracket Unit.</p>				38	PW-006-12	Washer	5
10	P-6808-2	Plug Mtg. Brkt.	1	39	P-6665-100	Glass Retainer - Left . . .	1
11	WSPR-00800-1108	Wood Screw	4	40	P-6803-2	Frame - Left Side . . .	1
12	E-574	18 Pt. Beauplug - Female	1	41	P-6665-102	Glass Retainer Bottom . . .	1
	E-574-1	24 Pt. Beauplug - Female	As Req.	42	LSPR-00632-1103	Screw	3
13	P-7444-2	18 Pt. Type Mtg. Brkt.	2	43	C-658-7	Chrome Reel Frame . . .	1
	P-7444-1	24 Pt. Type Mtg. Brkt.	As req.	44	G-355-Seriés	Top Feature Glass (specify complete Model No.	1
14	LSPR-00832-1104	Screw	4	45	P-3045-10	Lock Brkt. - Right . . .	1
<p>Note: Index No.'s 15-25 is the new (3/22/71) Top Shelf Feature frame assy. #AS-2393.</p>				46	WSPR-00800-1108	Wood Screw	4
15	LSPR-00832-1103	Screw	8	47	P-3045-11	Lock Brkt. - Left . . .	1
16	LSPR-00832-1104	Screw	5	<p>Note: On Model 785 "Progressive" a keyed "777" J.P. Reset Switch is installed in the upper cabinet. This unit is the same as the J.P. Lock-Up Release shown in the Cabinet Assy. - P.I., Index No.'s 46-51.</p>			
17	P-6442-86	Frame - Top	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CABINET ASSEMBLY - P. IV

FEATURE GAMES



CABINET ASSEMBLY - P. IV

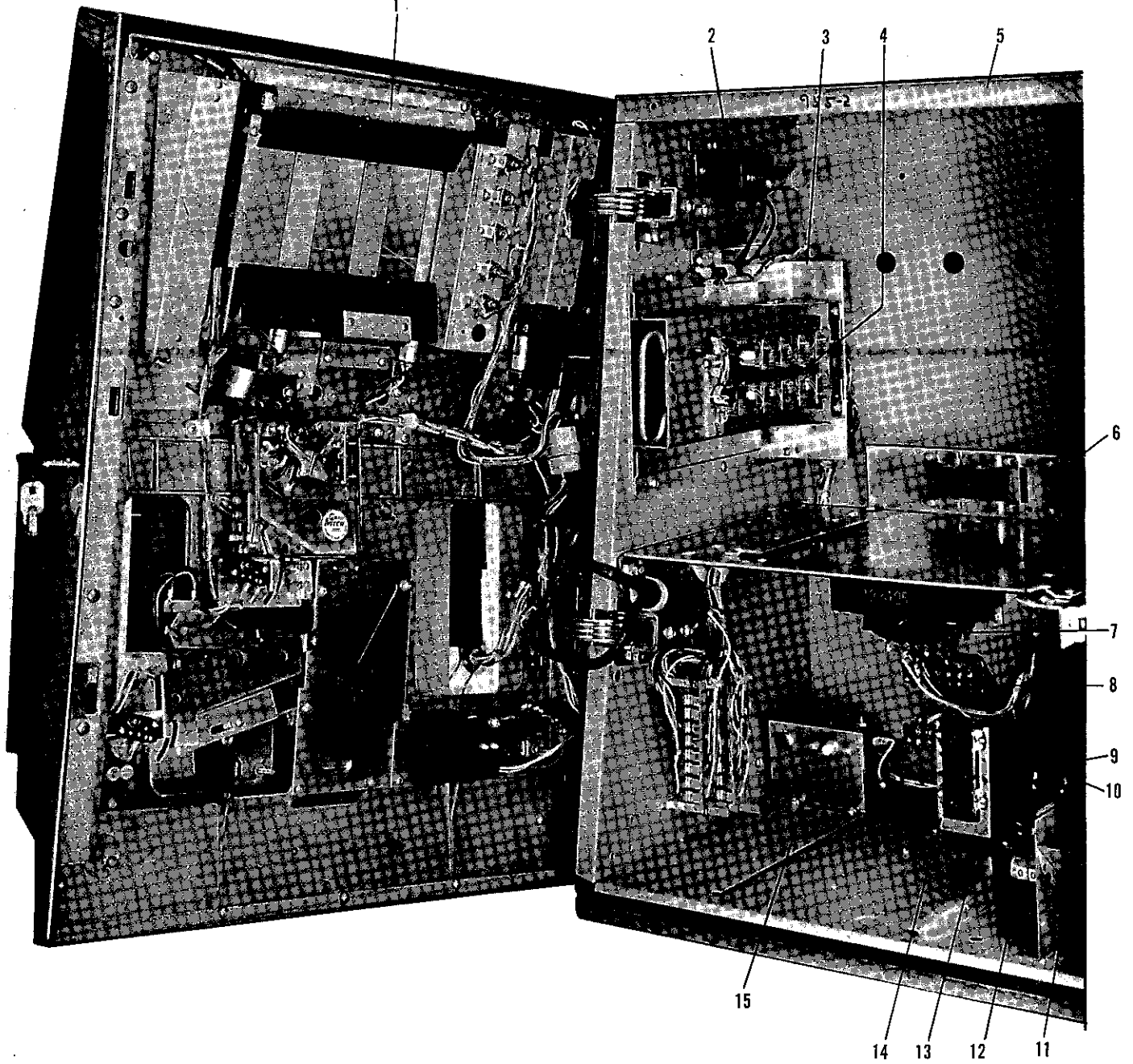
FEATURE GAMES

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: The top Cabinet & Glass Illustration shows the new simplified method of locking down the Feature Glass. With this system the lower lip of the Glass Retainer (Index No. 8) fits under the top edge of the Front Door. When the Front Door is closed the Glass is effectively locked down, when the Door is opened the Glass can be lifted up & out. This new Bottom Glass Retainer is a replacement item for Index No.'s 18-24. Index No.'s 8 & 24 are interchangeable.</p>				<p>G-389-Series Feature Glass (Models 903 & 931) Specify Complete Model No., Coin Denom. & Country 1</p>			
				7	P-6242-40	Glass Retainer Sides (All Models except 903 & 931)	2
					P-6242-44	Glass Retainer Sides (Model 903 & 931)	2
				8	P-6242-60	Glass Retainer Bottom	1
				9	P-6242-28	Glass Retainer Top	1
<p>This type of cabinet construction is used on Models 889, 903, 922, 931, 935, 944, 945, 952, 963 & 967 (3 reelers).</p>				<p>Note: Index No.'s 10-12 is a lighting unit that is used in games with no top mechanism or insert - a simple payout schedule light.</p>			
1	CA-1164-117	Wood Cabinet (If Index No. 19 is req'd please specify)	1	10	E-120-160	Socket	1
	CA-1164-121	Wood Cabinet (Model No.'s 903 & 931 only)	1	11	WSPR-00800-1112	Wood Screw	2
	A-2919-4	Metal Cabinet Liner	1	12	E-125-50	Stand. 50 Watt Lt. Bulb	1
	CA-1165-1	Cabinet Base (cash box style)	1	<p>Note: Index No.'s 13-17 are component parts of the optional Tilt Sw. Anti-Cheat System, which prevents abusive play, handle pounding etc.</p>			
	CA-1165-2	Cabinet Base (diverter style)	1	13	AS-2659-25	Anti-Cheat Relay	1
2	E-137-Series	Connector - Female (specify no. of conn. points)	As Req.		G-33-2800	Coil	1
	E-139-Series	Connector - Male (specify no. of conn. points) As Req.		14	AS-982-828	3-Way Tilt Sw. Unit	1
3	E-103-67	Terminal Block	1		ASW-A20	Switch	3
	WSPR-00600-1106	Wood Screw	2	15	WSPR-00600-1106	Screw	2
4	P-6665-160	Insert Stop Brkt.	2	16	AS-982-762	Single Tilt Sw. Unit	1
	LSPR-01032-1112	Screw (latch lockdown)	2		ASW-A20	Switch	1
	WSPR-00800-1108	Wood Screw	4	17	WSPR-00600-1106	Screw	2
5	A-1450-6	Insert Latch Pivot	2	<p>Note: Index No. 18-24 is the old style glass lockdown system which was phased out early in 1973.</p>			
	WSPR-01000-1110	Wood Screw	4	18	M-281-55	Lock	1 set
6	G-381-Series	Feature Glass (Models 889, 922, 935, 944, 945, 952, 952, 963 & 967) -Specify Complete Model No., Coin Denom. & Country	1	19	P-3473-10	Lock Plate	2
				20	WSPR-00800-1108	Wood Screw	4
				21	P-7570-1	Lock Guide Brkt. - Right	1
					P-7570	Lock Guide Brkt. - Left	1
				22	WSPR-00800-1108	Wood Screw	4
				23	A-1136-27	Lock Arm Brkt. - Right	1
					A-1136-26	Lock Arm Brkt. - Left	1
				24	P-6242-29	Glass Retainer - Bottom	1
				25	P-2552-1	Extruded Washer	3
				26	M-1366	Jackpot Bell	1
				27	WSPR-00800-1114	Wood Screw	3

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

LOW-BOY TYPE CABINET ASSY.

MODEL 955



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

LOW-BOY TYPE CABINET ASSY.

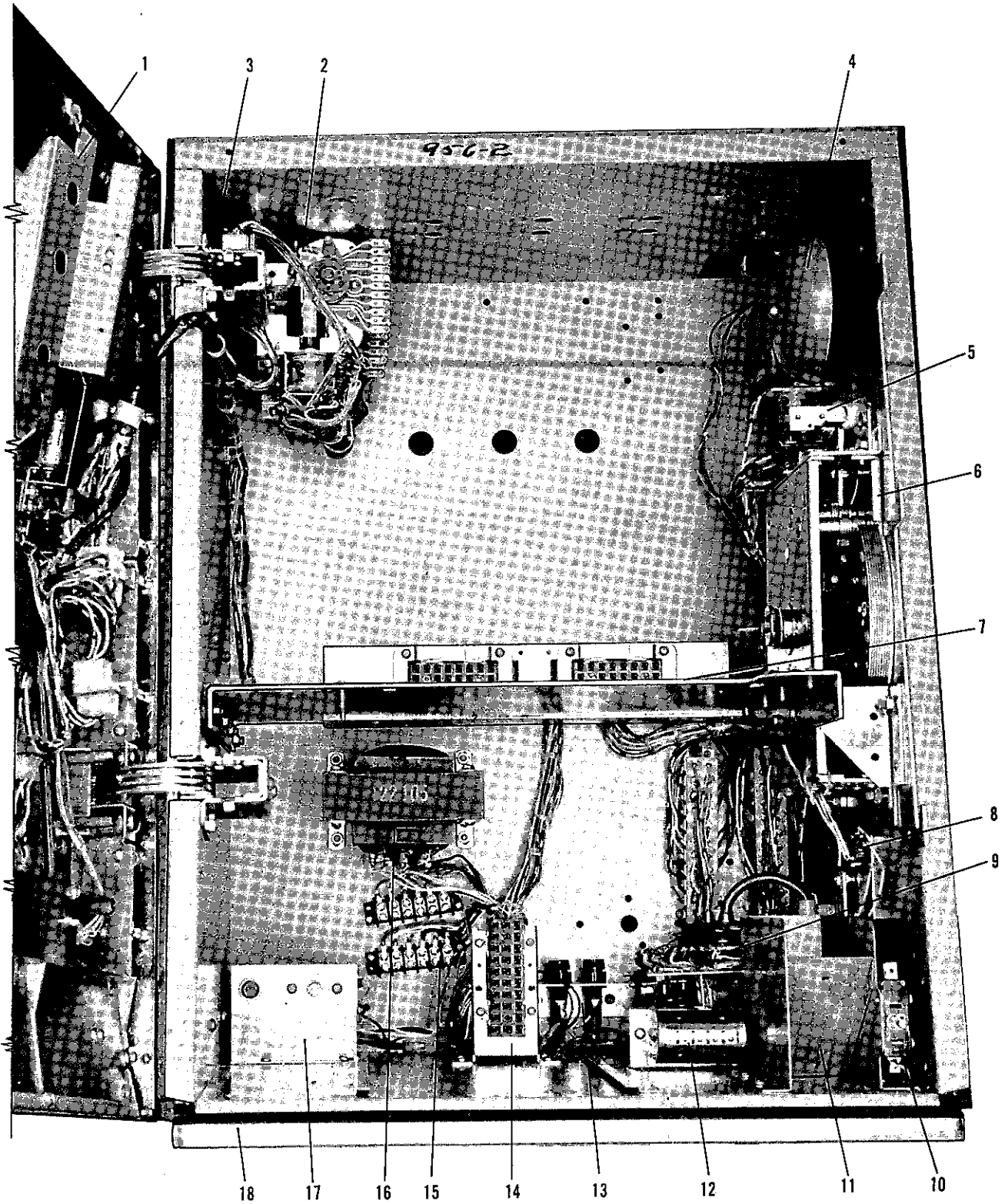
MODEL 955

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This view shows the new 5 Line Pay Low Boy Cabinet. This Unit has the standard 873 feature mechanism incorporated in the lower cabinet - which lowers the game profile by approximately 10 inches. A wider 4 reel type cabinet & front door is utilized to accommodate the added mechanism.</p> <p>In general, all the main mechanisms are the same (Reel, Hopper, Handle Release etc.) with the exception of the Relays. A new "CR" Relay system is used with Relays located on the Cabinet side & on the Reel Mechanism. The "Line Stepping Unit" is also the same & is now located in the lower right corner of the Cabinet (not shown).</p>					E-125-44	Flasher Lamp	1
					E-587-6	Diode	3
				5	CA-1164-59	Cabinet (specify type finish)	1
					CA-1165-12	Cabinet Base (diverter style)	1
					A-2919-7	Steel Cabinet Liner . .	1
				6	AS-2736-4	Guide Rail Base Plate Assy. (Reel Mech.) . .	1
					P-511-4	Guide Rail Base Plate	1
					P-6415-7	Plug Mtg. Brkt. . . .	1
					E-574	18 Pt. Female Beauplug	1
					E-574-1	24 Pt. Female Beauplug	1
					P-7444-2	Plug Mtg. Brkt. (18 Pt.)	2
					P-7444-1	Plug Mtg. Brkt. (24 Pt.)	2
					P-6268-3	Support Bracket (right side - Front)	1
					P-6268-4	Support Brkt. (right side - Rear)	1
					P-6406-74	Rail Guide - Left . .	1
					P-6406-75	Rail Guide - Right . .	1
					S-231-794	Bushing (Reel Mech Stop)	1
					SFPP-01032-1106	Screw	12
1		Front Door Assy. - See separate exploded view		7	E-122-105	Transformer.	1
2	AS-2335	Ballast Mtg. Brkt. Assy. - Fluor. System (Front Door Reel Window). .	1	8	E-103-67	Terminal Strip (6 pt.) .	2
	E-409-1	Ballast.	1	9	P-6500	Fuse Mtg. Brkt. . . .	1
	E-411-4	Fluorescent Starter U. S. A.	1	10	E-148-13	Fuse Holder	3
	E-411-7	Fluorescent Starter (Europe & Australia)	1		E-133-3	3 Amp. Fuse.	1
3	A-3732	Relay Shelf & Guide Assy.	1		E-133-5	5 Amp. Fuse.	1
	E-574-4	30 Pt. Female Beauplug	1		E-133-10	10 Amp. Fuse	1
	P-7444-1	Plug Mtg. Brkt. . . .	2	11	A-3018-3	Coin Chute Diverter .	1
4	AS-2538-23	Plug-In Relay Assy. .	1		E-108-94	Front Door Cut-Off Sw. (meters)	1
	A-1119-78	Contact Strip (underneath)	1	12	E-130-10	Counter (coins thru diverter chute)	1
	P-6629-95	Beauplug Mtg. Brkt.	1	13	AS-827-Series	Line Step-Up Unit (Specify Model, also refer to Model 873 feature Unit exploded view)	1
	E-573-4	30 Pt. Male Beauplug	1			Note: This unit is located in the lower right hand corner.	
	A-3369-13	"C-R" Relay Mtg. Brkt.	1		P-6442-116	Line Unit Mtg. Brkt. .	1
	E-146-709	"C-R" Relay	8	14	P-6417-2	Socket Mtg. Brkt. (hopper)	1
					E-574-4	30 Pt. Female Beauplug	1
				15	AS-2535-2	Safety Timer & Indicator Lite Assy.	1
					E-580	Indicator Lite	1
					E-119-348	Timer Motor	1
					P-6513	Timer Unit Brkt. . . .	1
<p>Note: Relay Functions are as follows (top row - front to rear) = J. P. Relay, #3 Line 7-7-7 J. P., #2 Line 7-7-7 J. P., #1 Line 7-7-7 J. P., (bottom row - front to rear): #5 Line 7-7-7 J. P. (first 2 Relays), #4 Line 7-7-7 J. P. (last 2 Relays).</p>							
	E-596	"C-R" Relay Socket .	8				
	P-7431	Relay Retaining Spring	8				
	E-184-242	"S" Relay (flashes winner)	1				
	E-120-43	Lamp Socket	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

LOW-BOY TYPE CABINET ASSY.

MODEL 956 & 962



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

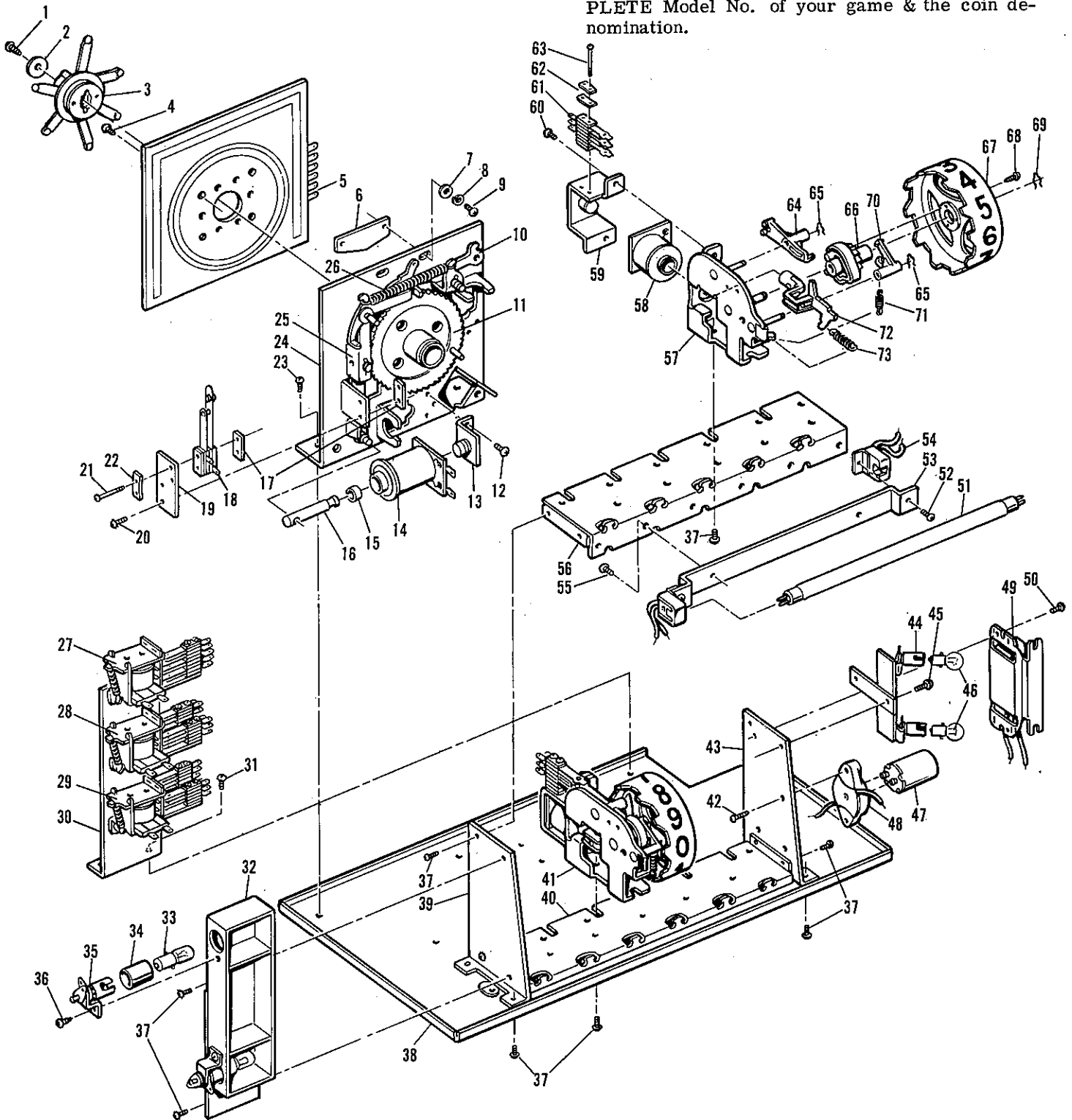
LOW-BOY TYPE CABINET ASSY.

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
		<p>Note: This photo shows the interior of a Model 956 "5 Coin Mult. Low Boy" Cabinet. This component layout is also very similar to the Model 962 "3 Line Pay Low Boy". The biggest difference is that the 2x, 3x, 4x, 5x Multiplier Units (upper left hand corner are not used in Model 962 - also there are differences in the Line/Odds Unit (lower right hand corner). These two games are identical in operation to the original Model 809 "Std. 5 Coin Mult." & Model 831 "Std. 3 Line Pay". The only difference that the top feature mechanism has been moved into a regular 4 Reel Type Cabinet (extra width for feature mech) with the feature payout glass incorporated into the Front Door (see exploded view). Another feature is that new type "C-R" Relays are used. The Relays are now mounted on right rear corner of the Reel Mechanism.</p> <p>On Model 956 the "Jackpot Count" stepping unit has been eliminated (ref. reg. 809 Model) and its functions (J.P. Meters) has been incorporated into the "Odds Unit" Stepping Unit Disc & additional circuits in the Payout Unit Disc (see Schematic).</p>				Front Door on Model 956 - See exploded view for pictorial detail as per Model 962)	1
				4	M-1366	Jackpot Bell	1
				5	AS-435-Series	Handle Release Unit (specify complete model no. - also refer to exploded view, ref. model 809)	1
				6	AS-2301-9 P-1973-319 P-6281	Handle Mechanism Handle Mech. Cover & Shield (not shown) Cover Mtg. Brkt. (not shown)	1 1 1
				7	AS-2736-4 P-511-4 P-6415-7 E-574 E-574-1 P-7444-2 P-7444-1 P-6268-3 P-6268-4 P-6406-74 P-6406-75 S-231-794 SF-01032-1106	Guide Rail Base Plate Assy. (reel mech) Guide Rail Base Plate Plug Mtg. Brkt. 18 Pt. Female Beauplug 24 Pt. Female Beauplug Plug Mtg. Brkt. Plug Mtg. Brkt. Support Brkt. (right side - front) Support Brkt. (right side - rear) Rail Guide - Left Rail Guide - Right Bushing (reel mech. stop) Screw	1 1 1 1 1 2 2 1 1 1 1 1 12
				8	AS-2382 E-108-91	J.P. Reel Release Sw. (key operated) Micro-Switch	1 1
				9	AS-827-Series AS-827-Series P-6442-116	Odds Unit (Model 856 - specify complete Model No.) Line Unit (Model 962 - specify complete Model No.) Odds/Line Unit Mtg. Brkt	1 1 1
				<p>Note: To remove this Stepping Unit for service simply remove the single Phillips Hd. Screw from front corner of base & unplug.</p>			
				10	E-108-94	Front Door Cut-Off Sw. (meters)	1
				11	A-3018-3	Coin Chute Diverter	1
				12	E-130-10	Counter (coins thru diverter chute)	1
				13	P-6500 E-148-13 E-133-3 E-133-5 E-133-10	Fuse Mtg. Brkt. Fuse Holder 3 Amp. Fuse 5 Amp. Fuse 10 Amp. Fuse	1 1 1 1 1
				14	P-6417-2 E-574-4	Socket Mtg. Brkt. (hopper) 30 Pt. Female Beauplug	1 1
				15	E-103-67	Terminal Strip (6 pt.)	3
				16	E-122-105	Transformer	1
				17	AS-2535-2 E-580 E-119-348	Safety Timer & Indicator Lite Assembly Indicator Lite Timer Motor	1 1 1
				18	CA-1164-59 CA-1165-12 A-2919-7	Wood Cabinet (specify finish) Cabinet Base (diverter style) Steel Cabinet Liner	1 1 1
1		Front Door Assy. (see separate exploded View)					
2	AS-2767	Multiplier Unit Assy. (Model 956 only)	1				
	P-4536-19	Gang Mount Plate	2				
	AS-1900-151	Multiplier Assy. (2x, 5x)	2				
	C-704	Ratchet	1				
	C-708	Hold Pawl	1				
	CD-29-1600	Coil	1				
	A-1618-3	Wiper Assy.	1				
	W-999-15	Wired Contact Plate (2x)	1				
	W-999-14	Wired Contact Plate (5x)	1				
	AS-2293-5	Drive Pawl Assy.	1				
	AS-1900-152	Multiplier Assy. (3x, 4x)	2				
	C-704-1	Ratchet	1				
	C-708	Hold Pawl	1				
	CD-29-1600	Coil	1				
	A-1618-3	Wiper Assy.	1				
	W-999-13	Wired Contact Plate (3x)	1				
	W-999-16	Wired Contact Plate (4x)	1				
	AS-2293-6	Drive Pawl Assy.	1				
		<p>Note: The entire Multiplier Unit Assy. can be removed for service by removing the single phillips screw located in front corner & unplugging the jack.</p>					
	LSPR-01024-1104	Screw (unit retainer)	1				
	P-6442-115	Multiplier Unit Mtg. Bracket (front)	1				
	A-3734	Multiplier Support Brkt. (rear)	1				
3	AS-2335	Ballast Mtg. Brkt. Assy. (not shown - installed on					

PROGRESSIVE FEATURE UNIT

MODEL 785

Note: The Feature Glass for this unit is listed under Part No. G-355-Series. Please give the COMPLETE Model No. of your game & the coin denomination.



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

PROGRESSIVE FEATURE UNIT

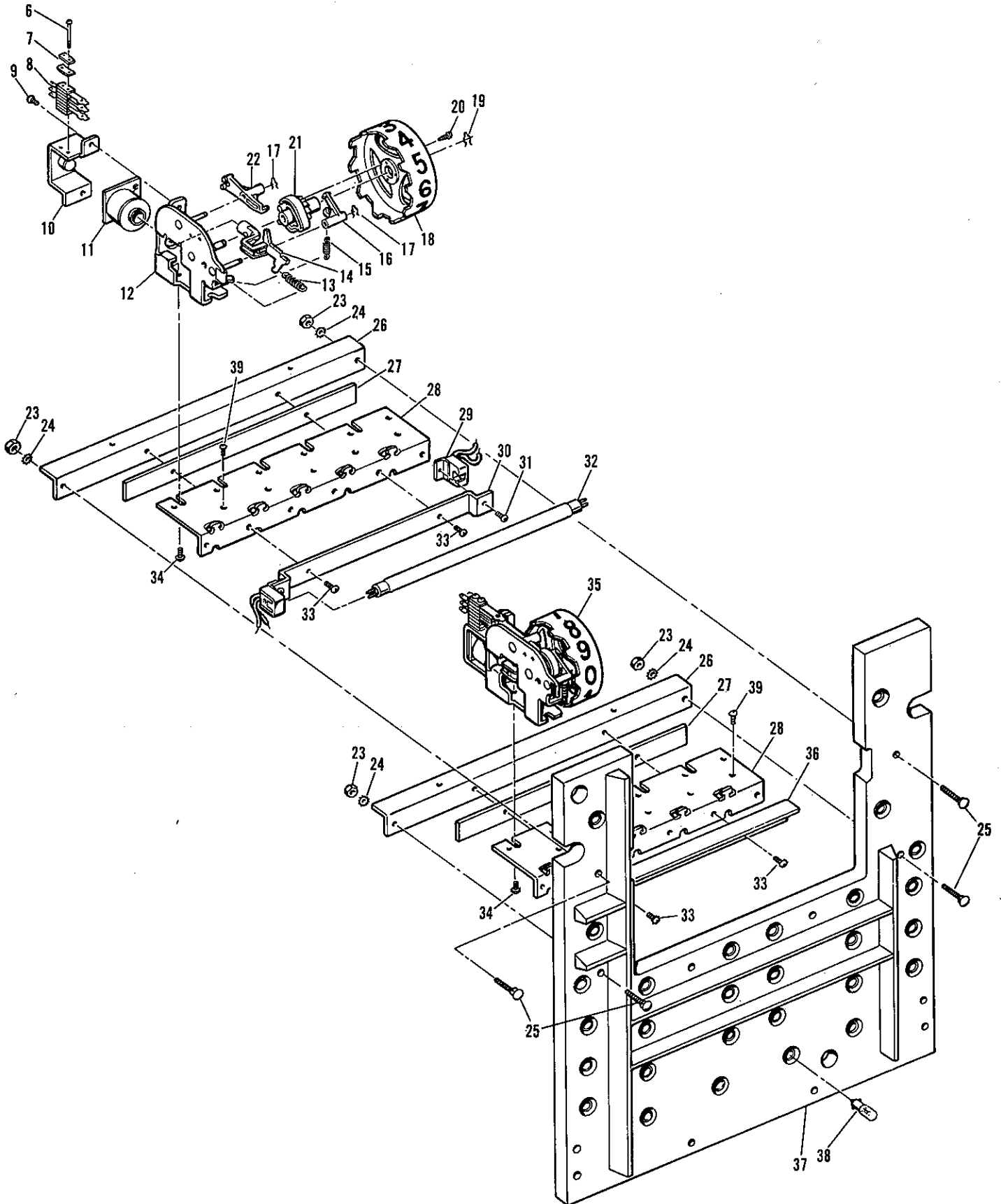
MODEL 785

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
	E-537-446	Progressive Unit Cable	1	32	A-3078	Socket Assy. (J. P. arrows)	1
				33	E-125-22	Light Bulb	2
				34	C-716	Insulator	2
				35	E-120-134	Light Socket	2
				36	SZPR-00600-1104	Sheet Metal Screw, #6 x 1/4" Lg. Binding Head.	2
				37	LSPR-00832-1104	Screw.	As Req'd
				38	A-3077	Base Plate Assy.	1
				39	P-6665-20	End Plate	1
				40	A-2249-21	Gang Mount Assy. - Bottom	1
				41	AS-1900-92	3" Counter Assy.	10
				42	LSPR-00632-1108	Screw	2
				43	P-6665-19	End Plate	1
						Note: Index No.'s 44-46 represents the 50¢ & \$1.00 (U.S.A.) Lighting Unit, #AS-2441. This unit is used where an extra digit light is needed because of the higher jackpot.	
				44	A-3151	Plate & Socket Assy.	1
				45	LSPR-00832-1106	Screw	2
				46	E-125-5	Light Bulb	2
				47	E-120-120	Starter Socket	1
				48	E-411-4	Fluorescent Starter (U.S.A.)	1
					E-411-7	Fluorescent Starter - Plastic Case (Europe & Australia)	1
				49	E-409-1	Ballast	1
				50	LSPR-00632-1103	Screw	2
				51	E-412-6	Fluorescent Tube (Syl. F6TS/CW)	1
				52	LS 632-3-511	Screw	2
				53	P-6264-6	Fluorescent Tube Mtg. Brkt.	1
				54	E-120-119	Fluorescent Tube Socket	2
				55	LSPR-01032-1104	Screw	2
				56	A-2249-22	Gang Mount Assy. - Top	1
						Note: Index No.'s 57-73 represents the 3" Counter Assy., #AS-1900-92ND. Ten units are used.	
				57	A-2214-21	Base Plate Assy.	1
				58	CD-29-1600	Coil	1
				59	A-613-78	Core Plug Assembly	1
				60	SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Swage Form.	2
				61	ASW-M210	Switch	1
				62	P-137-12	Spring Plate	2
				63	LSSL-00348-1116	Screw	2
				64	C-703-1	Rocker Arm	1
				65	M-254-1	Hair Pin Retainer	2
				66	C-704	Ratchet	1
				67	C-426-3-8	Wheel	1
				68	SZPR-00400-1106	Screw, #4 x 3/8" Lg. Sheet Metal	3
				69	M-254	Hair Pin Retainer	1
				70	C-708	Hold Pawl	1
				71	SP-100-80	Extension Spring	1
				72	AS-2293-5	Drive Pawl Assy. (coil)	1
				73	SP-100-121	Extension Spring	1
1	SZPR-00800-1110	Screw	1				
2	P-801-107	Washer	1				
3	AS-1046-286	Wiper Assy. (10¢ & \$1.00)	1				
	AS-1046-287	Wiper Assy. (5¢ & 50¢).	1				
	AS-1046-288	Wiper Assy. (25¢)	1				
4	MSSD-00832-1104	Screw	2				
5	A-101-297A	Contact Plate (riveted - not wired)	1				
	W-1079	Contact Plate Disc (10¢ & \$1.00 - wired) As Req'd					
	W-1079-1	Contact Plate Disc (5¢ & 50¢ - wired)	As Req'd				
	W-1079-2	Contact Plate Disc (25¢ - wired)	As Req'd				
6	P-3386	Stop Plate	1				
7	PW-008-10	Washer	2				
8		#8 Split Lockwasher	2				
9	LSPR-00832-1105	Screw	2				
10	P-3382	Reset Pawl	1				
	M-254	Hair Pin Retainer	2				
11	C-1060	Ratchet & Shaft	1				
12	SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Swage Form	2				
13	A-613-33	Core Plug & Brkt.	1				
14	B-27-1300	Step-Up Coil	1				
15	C-342	Guide Ring	1				
16	S-496-162	Plunger	1				
17	P-126-154	Retaining Plate	2				
18	ASW-U2-12	Switch (N.C.)	1				
	ASW-U1-9	Switch (N.O. - outside unit)	1				
19	P-126-247	Mounting Plate	1				
20	LSPR-00540-1105	Screw.	2				
21	MSSR-00540-1112	Screw.	2				
22	P-137-5	Spring Plate	1				
23	LSPR-00832-1104	Screw.	2				
24	A-1768-43	Base Plate	1				
25	A-1765-22	Step-Up Arm	1				
	M-254	Hair Pin Retainer	1				
	S-737-48	Pivot Pin	1				
	M-319-3	Elastic Stop Nut	1				
26	SP-100-113	Extension Spring	1				
27	AS-2659-42	Relay (Jackpot)	1				
	G-32-2500	Coil	1				
28	AS-2662-21	Relay (Top Jackpot - Reset)	1				
	G-32-2500	Coil	1				
29	AS-2662-21	Relay (Bottom Jackpot - Reset)	1				
	G-32-2500	Coil	1				
	LSPR-00832-1103	Screw	6				
30	P-6665-29	Relay Mounting Bracket	1				
31	LSPR-00832-1104	Screw.	2				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

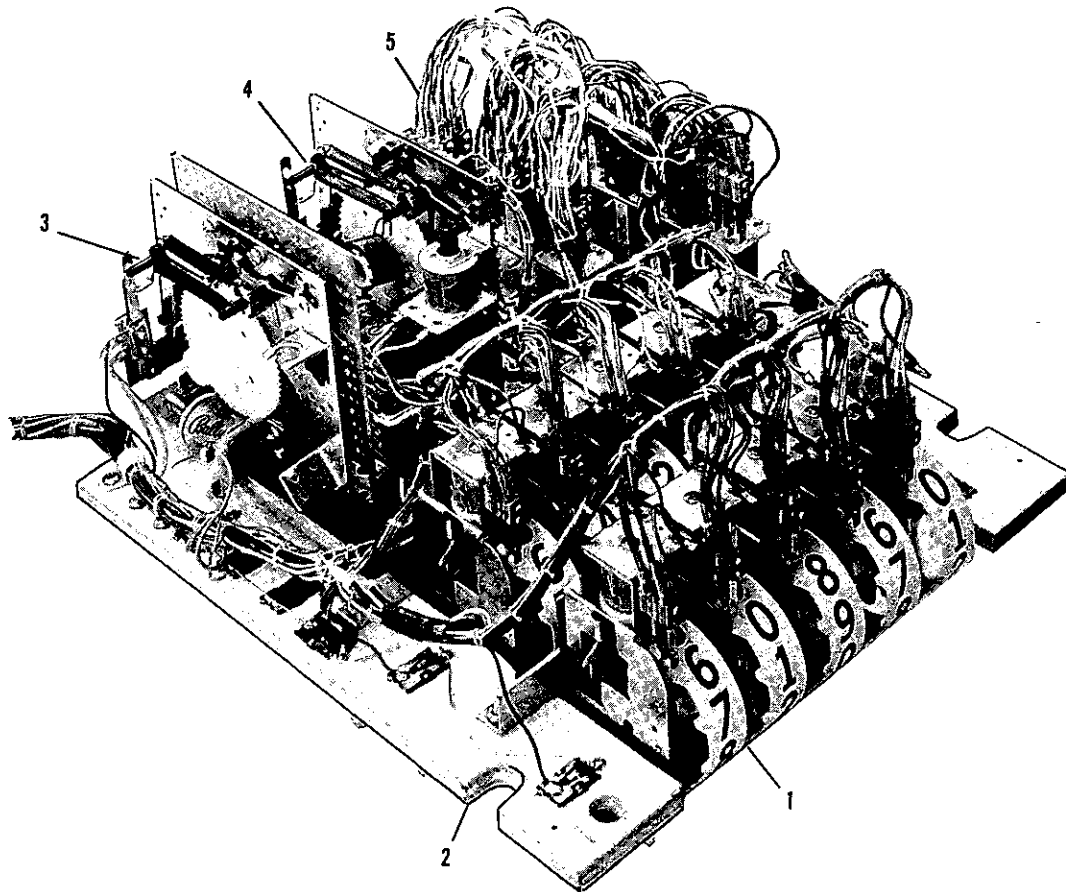
3 LINE PAY PROGR.FEA. UNIT - P. I

MODEL 889



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

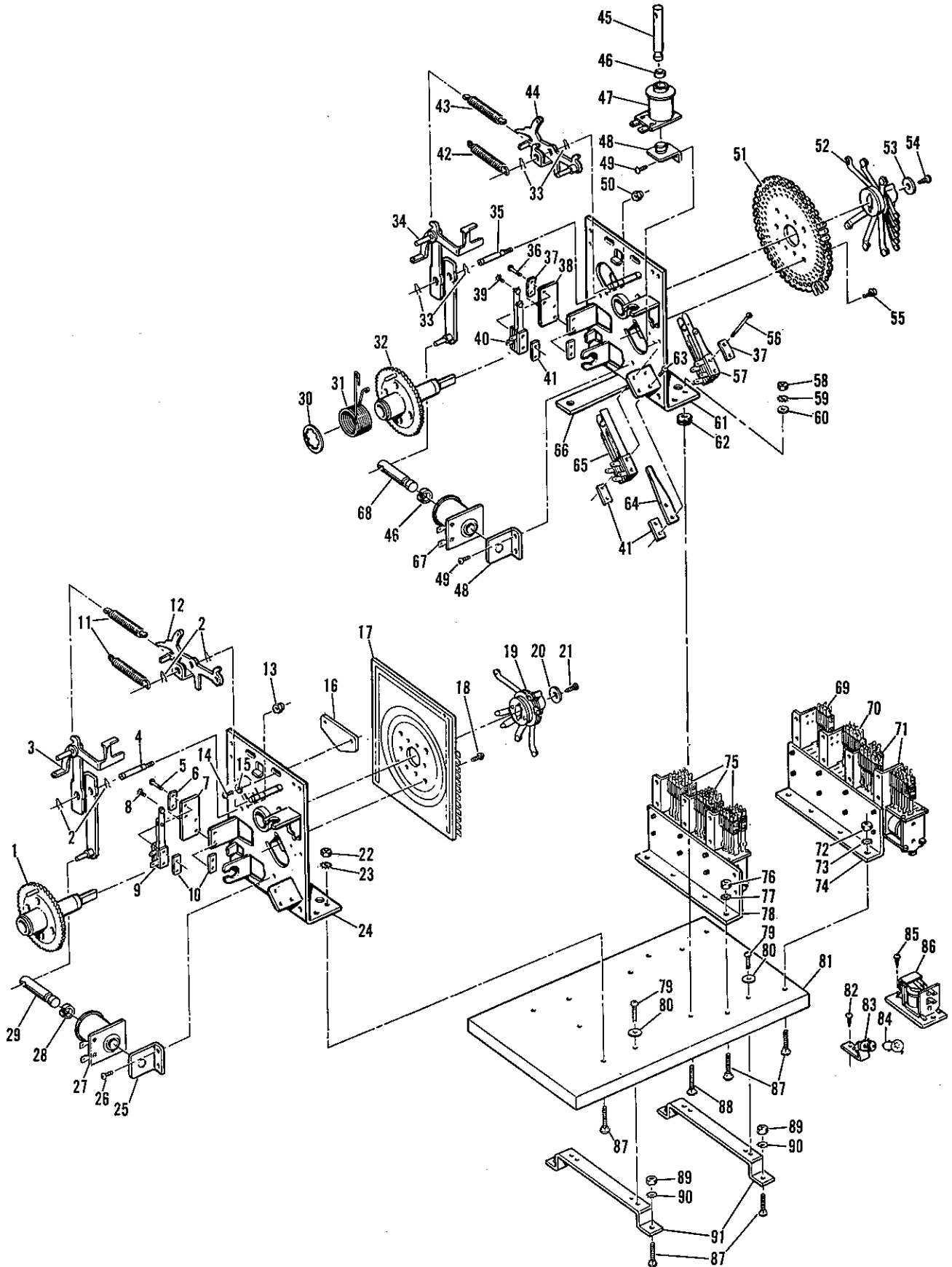
3 LINE PAY PROGR. FEA. UNIT - P. I



Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>Note: The included photograph shows the progressive unit in a service position. The main components are indexed for easy reference to the exploded views.</p>				<p>Note: Index No. 6-22 comprise the 3 "Counter Assy. #AS-1900-124. Ten units are required.</p>			
1	AS-1900-124	3" Counter Assembly	10	15	SP-100-80	Extension Spring	1
2	A-3400-54	Insert & Lamp Socket Assembly	1	16	C-708	Hold Pawl	1
	E-125-22	Lamp, #44	26	17	M-254-1	Hair Pin Retainer	2
3	AS-827-374	5¢ & 50¢ J.P. Unit Assy.	1	18	C-720-058	Wheel	1
	AS-827-375	10¢ J.P. Unit Assy. As Req'd	1	19	M-254	Hair Pin Retainer	1
	AS-827-376	25¢ J.P. Unit Assy. As Req'd	1	20	SZPR-00400-1106	Screw	3
4	AS-827-424	Line Step-Up Unit Assy.	1	21	C-704	Ratchet	1
5		Feature Relay Banks (see exploded view for part ident.)	7	22	C-703-1	Rocker Arm	1
6	LSSL-00348-1116	Screw	2	23	N-01024-2112	Nut	4
7	P-137-12	Spring Plate	2	24		#10 Lockwasher	4
8	ASW-M210-1	Switch	1	25	CBOR-01024-1114	Screw	4
9	SFPB-00832-1106	Screw	2	26	P-6665-252	Reel Mtg. Brkt.	2
10	A-613-94	Core Plug Assy.	1	27	P-1973-264	Spacer Plate	2
11	CD-29-1500	Coil	1	28	P-4536-25	Gang Mount Brkt.	2
12	A-2214-21	Base Plate Assy.	1	29	E-120-119	Socket	2
13	SP-100-121	Extension Spring	1	30	P-6264-74	Fluorescent Tube Mtg. Brkt.	1
14	AS-2293-5	Drive Pawl Assy.	1	31	LSPR-00632-1103	Screw	2
				32	E-412-6	Fluorescent Tube (Syl. F6TS/CW)	1
				33	LSPR-01032-1106	Screw	4
				34	LSPR-00832-1104	Screw	10
				35	AS-1900-124	Assembled 3" Counter Unit	10 Req.
				36	P-6665-253	Baffle	1
				37	A-3400-54	Insert & Lamp Socket Assembly	1
				38	E-125-22	Lamp - #44	26
				39	MSPB-00632-1104	Screw	4

3 LINE PAY PROGR. FEA. UNIT - P. II

MODEL 889



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

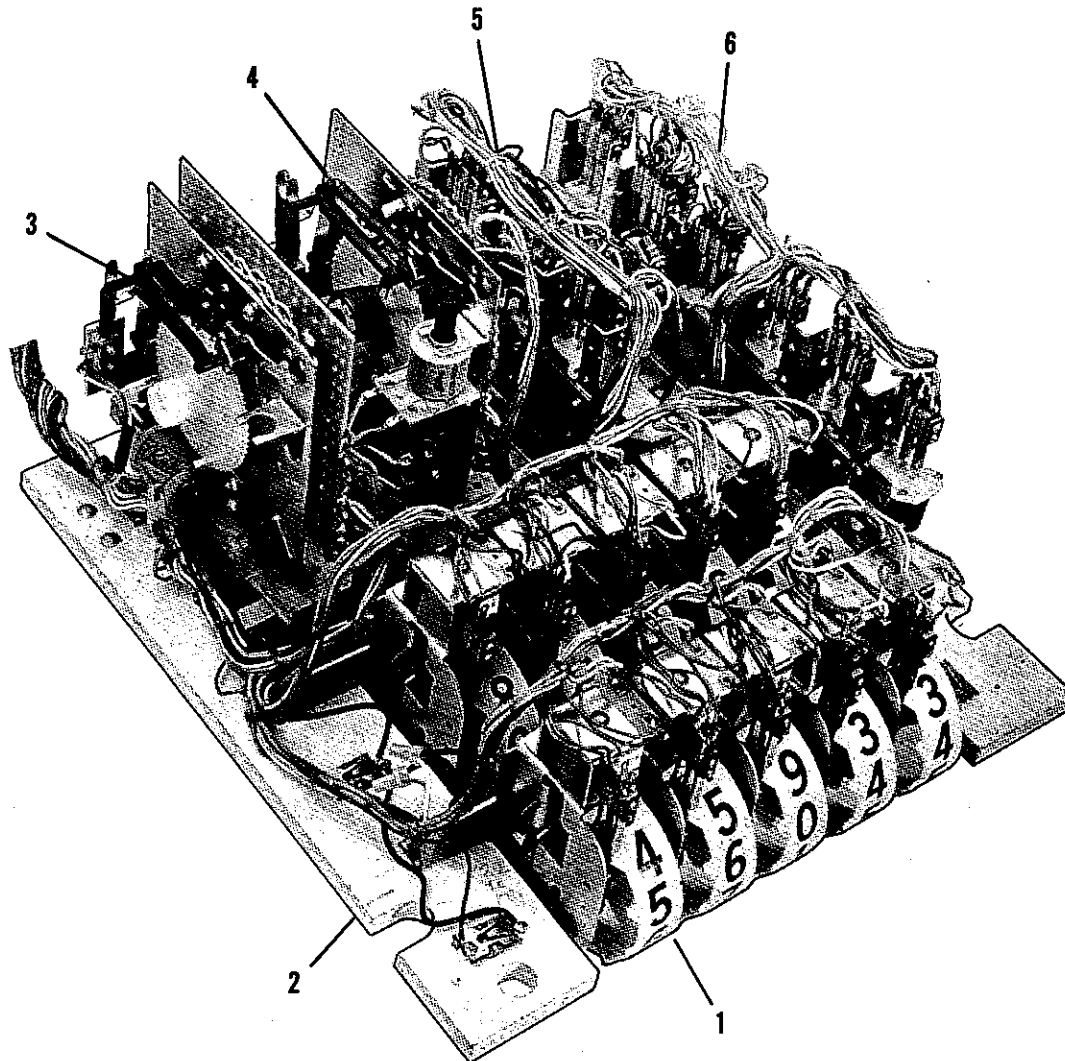
3 LINE PAY PROGR. FEA. UNIT - P. II

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: Index No.'s 1-29 comprise the J. P. Unit Assembly, #AS-827-374 (5¢ & 50¢), #AS-827-375 (10¢ & \$1.00), #AS-827-376 (25¢).				46	C-342	Guide Ring	2
1	C-1060	Ratchet & Shaft	1	47	C-28-1100	Reset Coil	1
2	M-254	Hair Pin Retainer	4	48	A-613-33	Core Plug & Brkt. Assy.	2
3	A-1765-22	Step-Up Arm Assy.	1	49	SFPB-00832-1106	Screw	4
4	S-737-48	Pivot Pin	1	50	M-319-3	Elastic Stop Nut	1
5	MSSR-00540-1112	Screw	2	51	A-1402-278	Contact Plate Disc (riveted)	1
6	P-137-5	Spring Plate	1	W-1112-2	Contact Plate Disc (riveted & wired)	1	
7	P-126-247	Sw. Mtg. Plate	1	52	AS-1046-612	Wiper Assy.	1
8	LSPR-00540-1105	Screw	2	53	P-801-107	Washer	1
9	ASW-U1-9	Switch (S. U.)	1	54	SZPR-00800-1110	Screw	1
10	P-126-154	Retaining Plate	2	55	MSSC-00832-1104	Screw	2
11	SP-100-113	Extension Spring	2	56	MSSR-00540-1122	Screw	2
12	P-3382	Reset Pawl	1	57	ASW-U2-5	Switch (outside sec.)	1
13	M-319-3	Elastic Stop Nut	1	ASW-U2-6	Switch (inside sec.)	1	
14	LSPR-00832-1105	Screw	2	58	N-00832-2112	Nut	3
15	PW-008-12	Washer	2	59	#8 Lockwasher	3	
16	P-3386	Stop Plate	1	60	PW-008-12	Washer	3
17	A-101-353	Contact Plate Disc - Riveted	1	61	A-1768-43	Base Plate Assy.	1
W-1079-5	Contact Plate Disc - Riveted & Wired (5¢ & 50¢)	1	62	R-111-29	Rubber Grommet	3	
W-1079-6	Contact Plate Disc - Riveted & Wired (10¢ & \$1.00)	1	63	LSPR-00540-1104	Screw	2	
W-1079-7	Contact Plate Disc - Riveted & Wired (25¢)	1	64	P-3384	Spring Stop	1	
18	MSSC-00832-1104	Screw	2	65	ASW-U2-1	Switch (Inside sec.)	1
19	AS-1046-602	Wiper Assy. (5¢, 25¢ & 50¢)	1	ASW-U-2	Switch (outside sec.)	1	
AS-1046-603	Wiper Assy. (10¢ & \$1.00)	1	66	P-4640-2	Stabilizer Brace	1	
20	P-801-107	Washer	1	LSPR-00832-1103	Screw	2	
21	SZPR-00800-1110	Screw	1	67	B-26-1100	Step-Up Coil	1
22	N-00832-2112	Nut	2	68	S-496-100	Plunger	1
23	#8 Lockwasher	2	69	AS-2659-38	Line Unif Reset Relay	1	
24	A-1768-43	Base Plate Assy.	1	G-31-1800	Coil	1	
25	A-613-33	Core Plug & Brkt. Assy.	1	70	AS-2659	Line Unit Step-Up Relay	1
26	SFPB-00832-1106	Screw	2	G-31-1800	Coil	1	
27	B-26-1100	Step-Up Coil	1	71	AS-2662-20	Bottom J.P. Total Reset Relay	1
28	C-342	Guide Ring	1	AS-2662-21	Top J.P. Total Reset Relay (top)	1	
29	S-496-162	Plunger	1	72	N-00832-2112	Nut	2
Note: Index No.'s 30-68 comprise the Line Step-Up Unit Assy., #AS-827-424.				73	#8 Lockwasher	2	
30	P-3389	Retaining Ring	1	74	P-6665-254	Relay Mtg. Brkt.	1
31	SP-370-1	Torsion Spring	1	75	SWPB-00832-1105	Screw	8
32	C-1050-2-35	Ratchet & Shaft	1	AS-2662-25	Lower, Center & Top Line 777 J. P. Relays	3	
33	M-254	Hair Pin Retainer	4	G-32-2500	Coil	3	
34	A-1765-8	Step-Up Arm	1	76	N-00832-2112	Nut	2
35	S-737-48	Pivot Pin	1	77	#8 Lockwasher	2	
36	MSSR-00540-1112	Screw	2	78	P-6665-254	Relay Mtg. Brkt.	1
37	P-137-5	Spring Plate	2	79	LSPR-00832-1114	Screw	4
38	P-126-247	Sw. Mtg. Plate	1	80	P-801-107	Washer	4
39	LSPR-00540-1105	Screw	2	81	A-3400-61	Mounting Board	1
40	ASW-U2-15	Step-Up Switch	1	82	WSPR-00800-1106	Wood Screw	1
41	P-126-154	Retaining Plate	4	83	E-120-135	Lamp Socket	1
42	SP-100-120	Extension Spring	1	84	E-125-44	Lamp #455 - Flasher	1
43	SP-100-125	Extension Spring (red)	1	85	WSPR-00600-1108	Wood Screw	2
44	A-1766	Reset Pawl	1	86	E-184-242	"S" Relay	1
45	S-496-101	Reset Plunger	1	87	CBOR-00832-1112	Bolt	10
				88	CBOR-00832-1116	Bolt	3
				89	N-00832-2112	Nut	4
				90	#8 Lockwasher	4	
				91	P-5052-30	Bracket	2

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 LINE PAY PROGR. FEA. UNIT

MODEL 922



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 LINE PAY PROGR. FEA. UNIT

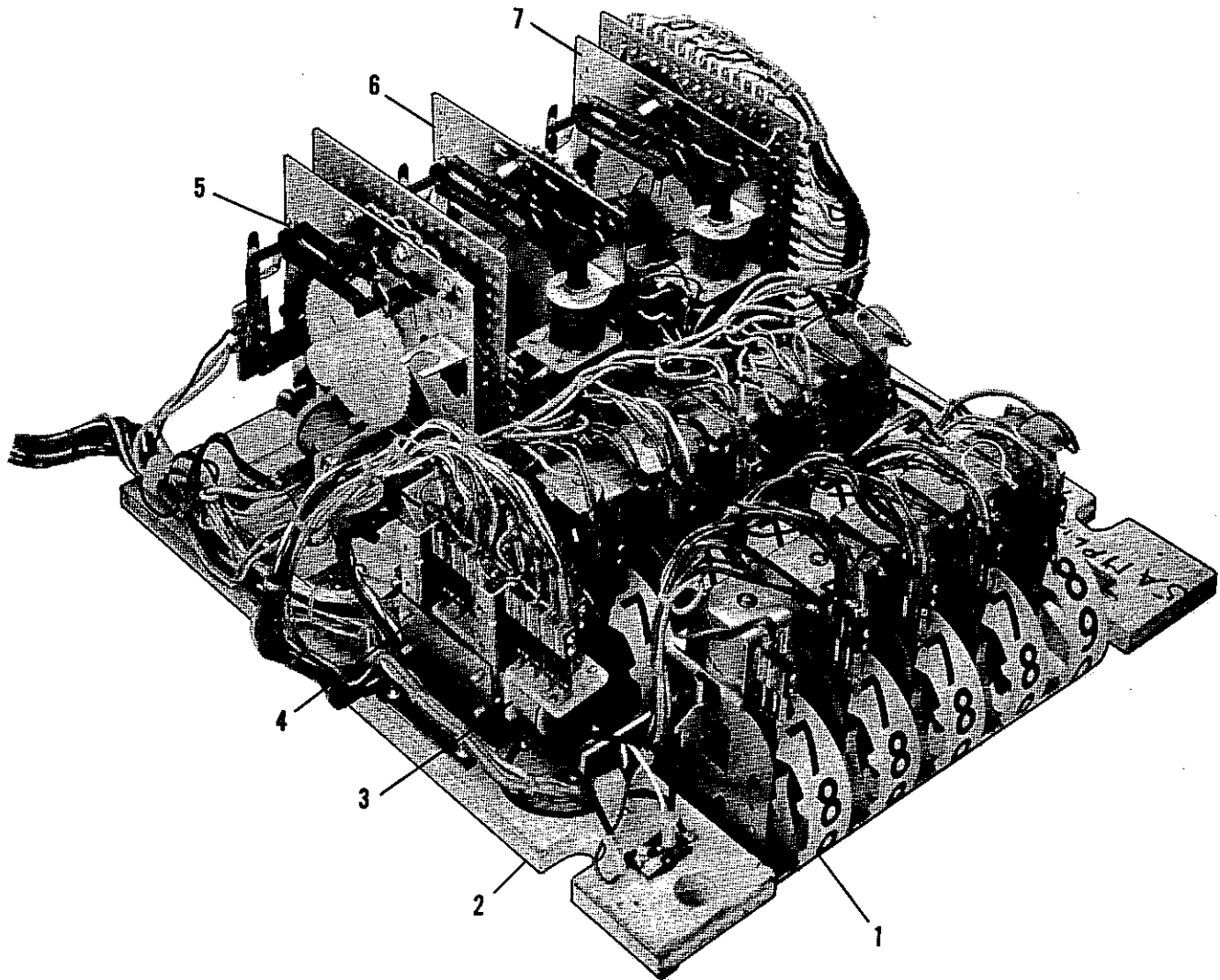
MODEL 922

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>Note: The 5 Line Pay Progressive Unit is virtually identical to the 3 Line Progressive. Several relays have been added & other changes will be noted below. Refer to the 3 Line Prog. exploded views for complete construction information.</p>					SP-370-1	Torsion Spring (ratchet)	
					A-1402-272	Contact Plate Disc - Riveted	
					W-1141	Contact Plate Disc - Riveted & Wired	
					AS-1046-546	Wiper Assy.	1
					ASW-U2-15	Switch (S. U. Arm)	1
1	AS-1900-124	3" Counter Assy. (See 3 Line Prog. Fea. P. I for breakdown).	10	<p>The following ratchet operated Line Unit Switches read from top of stack to bottom.</p>			
	E-412-6	Fluorescent Tube (Syl. F6TS/CW)	1		ASW-U2-5	Switch (open at top)	1
2	A-3400-109	Insert & Lamp Socket Assy.	1		ASW-U2-6	Switch (open at top).	1
	A-1653-1	Lamp Socket	36		ASW-U2	Switch (open at zero)	1
	E-125-22	Lamp, #44.	36		ASW-U2-1	Switch (open at zero)	1
	E-184-242	Relay (flasher)	1	<p>Note: The following Relays read from bottom of relay bank to top (as installed in game).</p>			
	E-120-135	Lamp Socket (flasher)	1	5	AS-2659-30	Line Unit Reset Relay	1
	E-125-56	Lamp (#455 flasher)	1		G-31-1800	Coil	1
	E-105-146	Resistor (2.4 K Ohms - 2 Watt)	1		AS-2659-38	Line Step-Up Relay	1
<p>Note: The following J.P. Progressive Unit Assy. is the same as the 3 Line Prog. Unit. See previous exploded view.</p>					G-31-1800	Coil	1
3	AS-827-374	J. P. Unit Assy. (5¢ & 50¢)	1		AS-2662-20	Bottom J. P. Reels Reset Relay	1
	AS-827-375	J. P. Unit Assy. (10¢ & \$1.00)	1		G-31-1800	Coil	1
<p>Note: The following unit is the "Line Step-Up Unit: AS-827-401. This unit is identical to the unit used in a std. 873 5 Line Pay. The following replacement parts are listed for your convenience.</p>					AS-2662-20	Top J. P. Reset Relay	1
					G-31-1800	Coil	1
4	C-1050-4-37	Ratchet & Shaft	1	6	AS-2659-39	1st Line 777 J.P. Relay	1
	C-28-1100	Reset Coil	1		G-33-2800	Coil	1
	B-25-925	Step-Up Coil	1		AS-2659-39	2nd Line 777 J.P. Relay	1
	SP-100-120	Extension Spring (step-up)	1		G-33-2800	Coil	1
	SP-100-125	Extension Spring (reset)	1		AS-2659-39	3rd Line 777 J. P. Relay	1
					G-33-2800	Coil	1
					AS-2662-9	4th Line 777 J.P. Relay	1
					G-31-1800	Coil	1
					AS-2662-7	5th Line 777 J.P. Relay	1
					G-31-1800	Coil	1
					AS-2662-8	J.P. Lock-Up Relay	1
					G-31-1800	Coil	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 COIN MULT. PROGR. FEA. UNIT

MODEL 952



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 COIN MULT. PROGR. FEA. UNIT

MODEL 952

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
-----------	----------	-------------	-----------	-----------	----------	-------------	-----------

Note: In addition to the illustrated mechanism a 4 Relay Bank is installed in the upper cabinet (not shown). These Relays are an integral part of the progressive mechanism. The Part No.'s & Function of the unit is:

AS-2729	Relay Unit (complete)	1
E-300-654	"G" Relay Unit (4)	1
	Safety Relay	1
E-109-134	Condenser (safety re.)	1
E-587-6	Diode (safety re.)	1
	Reset Relay	1
	Odds Relay	1
E-105-146	Resistor (odds re. - 2.4 K Ohm - 2 Watt)	1
	Odds Reset Relay	1

Note: The 5 Coin Mult. Prog. Unit layout is also very similar to the 3 Line Prog. Unit. (Note: complete exploded view). The ten upper & lower 3" counters & the progressive jackpot unit is identical. The relays (2), odds unit & odd follower unit are different. All pertinent information is contained below:

1	AS-1900-124	3" Counter (see exploded view)	10
	ASW-M210-1	Switch	1
	CD-29-1500	Coil	1
	C-720-0508	Wheel (white-blk. no.)	1
2	A-3400-115	Insert & Lamp Socket Assy.	1
	A-1653-1	Lamp Socket	28
	E-125-22	Lamp #44	22
	E-125-44	Lamp - Flasher (G. E.)	6
	E-412-6	Fluorescent Tube - Reel Illum. (Syl. F6TS/CW)	1
	E-120-119	Fluor. Socket	2
	P-372-7	Latch Brkt.	2
	P-1158-4	Spring Washer (latch tension)	2
3	AS-2662-20	Top J. P. Reels Reset Relay	1
	G-31-1800	Coil	1
4	AS-2662-20	Bottom J. P. Reels Reset Relay	1
	G-31-1800	Coil	1

Note: The following Progressive J.P. Unit is identical to the unit used on the 3 & 5 Line Prog. Game. Refer to the 3 Line Progr. Fea. Unit P. II exploded view for all Part No.'s.

5	AS-827-374	5¢ & 50¢ Jackpot Unit	As Req.
	AS-827-375	10¢ & \$1.00 Jackpot Unit	As Req.
	AS-827-376	25¢ Jackpot Unit	As Req.
	AS-827-466	1¢ Jackpot Unit	As Req.

Note: The following unit is part of the multiple pay out computation system.

6	AS-827-479	Odds follower Stepping Unit	1
	B-25-925	Step-Up Coil	1
	C-28-1100	Reset Coil	1
	C-1050-5	Ratchet & Shaft	1
	W-1126	Contact Plate Disc (riveted & wired)	1
	A-1402-253	Contact Plate Assy. (riveted)	As Req.
	AS-1046-550	Wiper Assy.	1
	ASW-U2-15	E. O. S. Switch (S. U. arm, n. c.)	1
	ASW-U2	Open at Zero Sw. (ratchet)	1

Note: Refer to the 5 Coin Multiple Circuit Diagram & Explanation in the front section of this manual for information on the following unit:

7	AS-827-500	Odds Unit Stepping Unit	1
	B-25-925	Step-Up Coil	1
	C-28-1100	Reset Coil	1
	C-1050-0438	Ratchet & Shaft	1
	W-1090-34	Contact Plate Disc (riveted & wired)	1
	A-101-409	Contact Plate Disc (riveted)	As Req.
	AS-1046-702	Wiper Assy.	1
	ASW-U20	E. O. S. Switch (S. U. arm, n. c.)	1

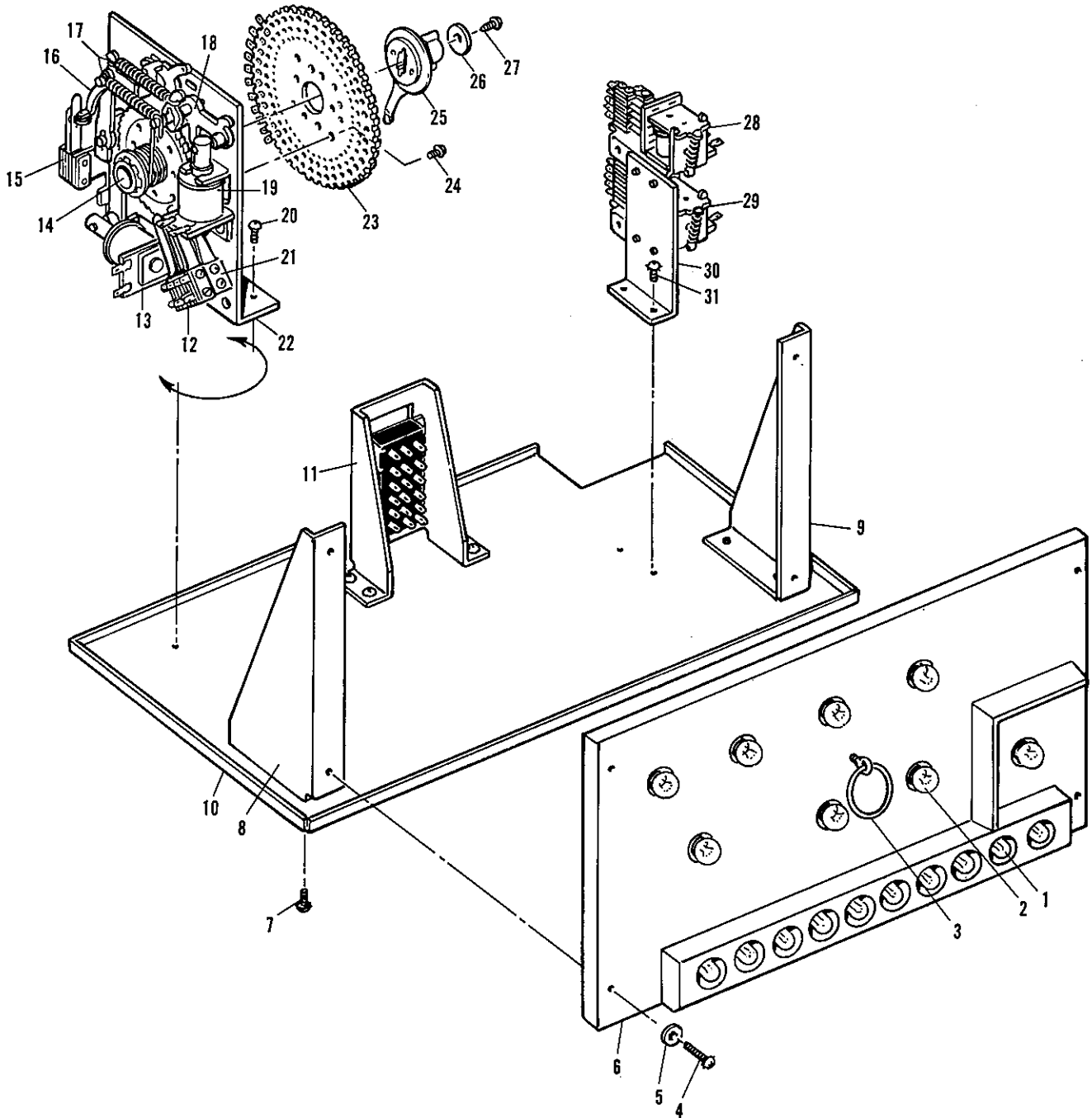
The following ratchet operated switch stack reads from top to bottom.

ASW-U2-5	Switch (open at zero)	1
ASW-U2-6	Switch (open at top)	1
ASW-U2	Switch (open at zero)	1
ASW-U2-1	Switch (open at zero)	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

BIG APPLE FEATURE UNIT

MODEL 804



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

BIG APPLE FEATURE UNIT

MODEL 804

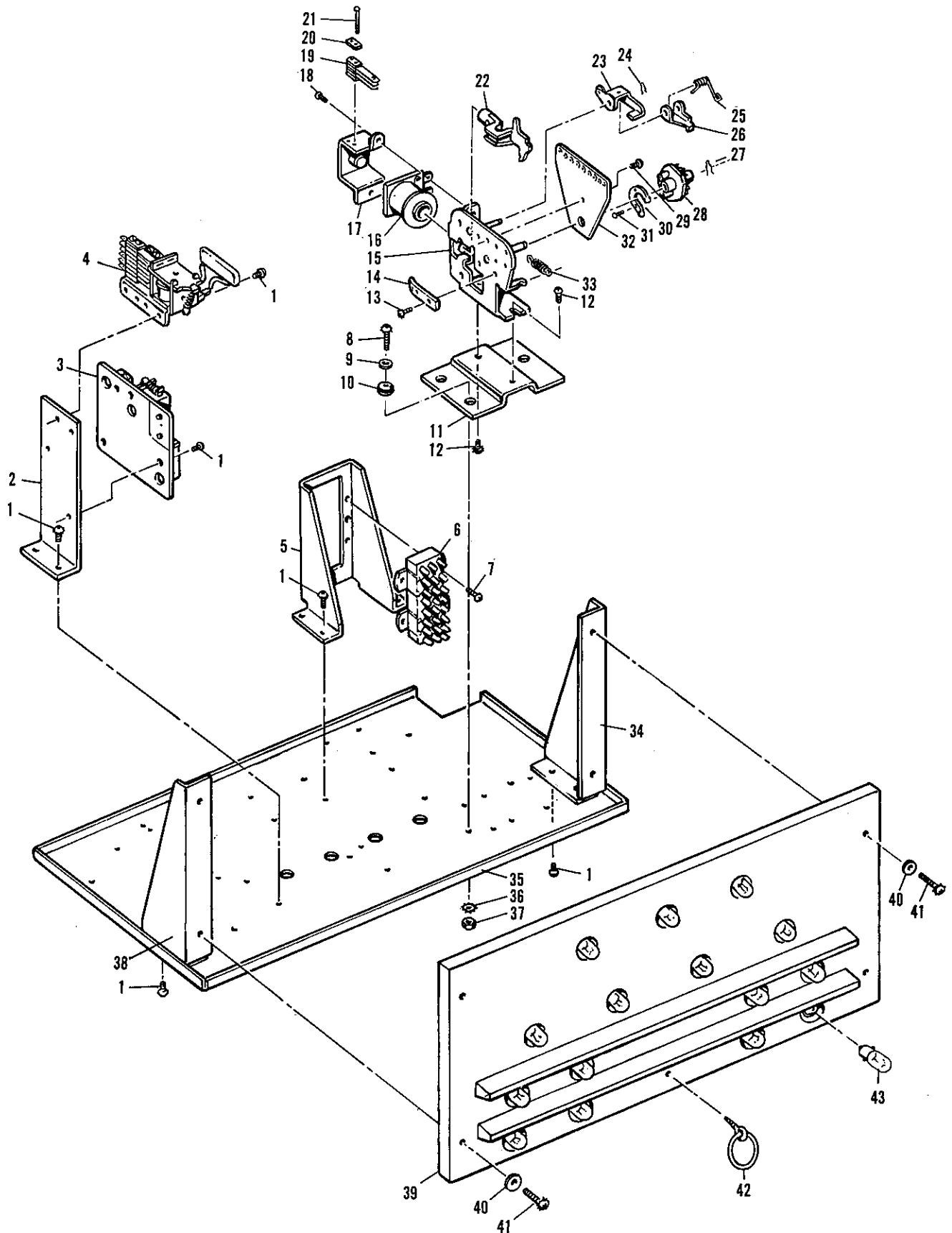
Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	E-125-22	Lamp, #44	10	15	ASW-U1-20	Step-Up Arm Switch . .	1
2	E-125-5	Lamp, #55	9		P-126-154	Retaining Plate	1
3	M-628	Door Pull	1		P-137-5	Spring Plate	1
4	LSPR-00832-1112	Screw	4		MSSR-00540-1112	Screw	2
5	PW-008-11	Washer	4	16	A-1765-5	Step-Up Arm Assembly .	1
6	A-3400-21	Back Cabinet Insert & Lamp Socket Assembly . . .	1		M-254	Hair Pin Retainer . . .	1
7	SWPB-00832-1105	Screw	4		S-463-37	Stud	1
8	P-6027-15	End Plate - Left	1		M-319-3	Elastic Stop Nut	1
9	P-6027-16	End Plate - Right	1	17	SP-100-113	Extension Spring	2
10	P-6810-19	Base Plate	1	18	A-1766	Reset Pawl Assembly . .	1
11	P-6417-1	Socket Mounting Bracket	1		M-254	Hair Pin	2
	E-573	Beauplug, 18 Pt. Male .	1	19	C-28-1100	Reset Coil	1
	SWPB-00832-1105	Screw	4		S-496-101	Plunger	1
	LSPR-00832-1104	Screw(Beauplug) .	4		C-342	Guide Ring	1
					A-613-33	Core Plug Assembly . .	1
					SFPB-00832-1106	Screw, #8-32 x3/8" Lg.	
						Parker Swage Form	2
				20	SWPB-00832-1105	Screw	2
				21	P-3384	Spring Stop	1
				22	A-1768-43	Base Plate Assembly . .	1
				23	A-1402-221	Contact Plate Assembly .	1
12	ASW-UO	Switch Spacer (inner sec. - bottom unit)	1		W-1075-6	Contact Plate Wired . . .	1
	ASW-U2	"O" Switch (outer sec. - bottom unit)	1	24	MSSD-00832-1104	Screw	2
	ASW-U2-6	Limit Switch (inner sec. - top unit)	1	25	AS-1046-481	Wiper Assembly	1
	ASW-U2-5	Switch (outer sec. - topunit)	1	26	P-801-107	Washer	1
	P-126-154	Retaining Plate	1	27	SZPR-00800-1110	Screw, #8 x5/8" Lg. Sheet Metal	1
	P-137-5	Spring Plate.	1	28	AS-2659-39	Super Jackpot Relay . .	1
	MSSR-00540-1126	Screw	2		G-33-2800	Coil	1
13	B-27-1300	Step-Up Coil	1	29	AS-2662-22	Regular Jackpot Relay .	1
	S-496-100	Step-Up Plunger	1		G-33-2800	Coil	1
	C-342	Guide Ring	1	30	P-6665-17	Relay Mounting Bracket	1
	A-613-33	Core Plug Assembly . . .	1		LSPR-00832-1104	Screw (relays)	4
	SFPB-00832-1106	Screw, #8-32 x3/8" Lg. Parker Swage Form	2	31	SWPB-00832-1105	Screw	2
14	C-1051-6	Ratchet & Shaft	1				
	SP-370	Torsion Spring (1-1/2 turns - shaft)	1				
	P-3389	Retaining Ring	1				

Note: Index No. 's 12-27 comprise the Super Jackpot Unit Assembly, #AS-797-125

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

DOUBLE-UP FEA. UNIT

MODEL 808, "DOUBLE UP"



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

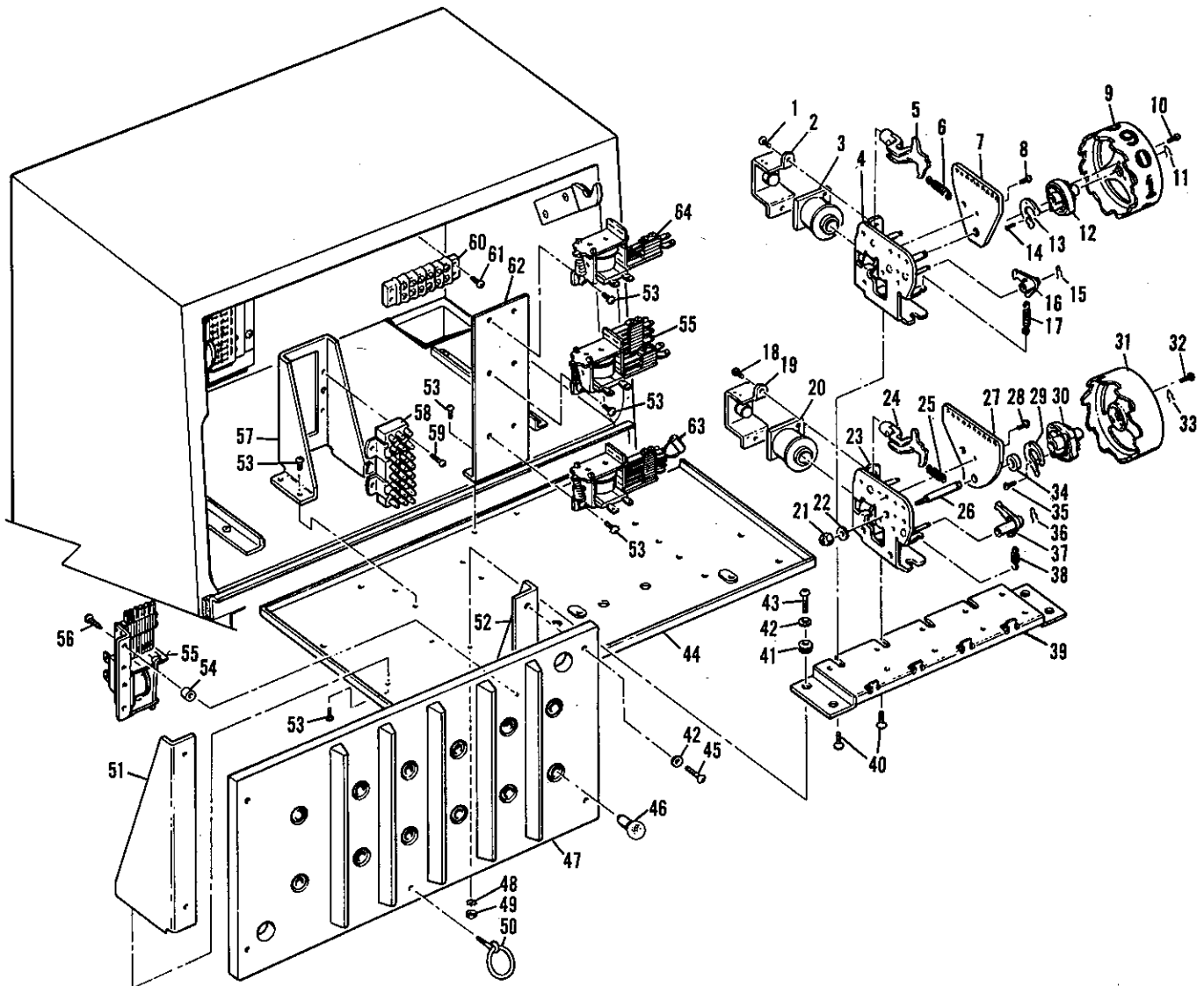
DOUBLE-UP FEA. UNIT

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	SWPR-00832-1105	Screw	11	20	P-137-12	Spring Plate	1
2	P-6665-339	Relay Mtg. Brkt. . .	1	21	MSSR-00348-1108	Screw	2
3	AS-2651-20 G-31-1800 G-31-1800	Interlock Relay Assy. . 2nd Coin Reset Relay Coil - Bottom Unit . 2nd Coin Latch Relay - top unit	1 1 1 1	22	AS-2293-2	Drive Pawl	1
4	AS-2662-2 G-31-1800 E-104-60 E-105-6	Payout Relay Coil Resistor (470 Ohms - 10 Watt) Resistor - Carbon (8200 Ohms - 1/2 Watt) . .	1 1 1 1	23	A-1616-1	Rocker Assembly . . .	1
5	P-6417-1	Socket Mtg. Brkt. . .	1	24	M-254-1	Hair Pin Retainer . .	1
6	E-573-1	24 Pt. Male Beauplug .	1	25	SP-385	Torsion Spring	1
7	LSPR-00632-1103	Screw	4	26	P-4491	Hold Pawl	1
8	LSPR-00832-1108	Screw	3	27	M-254	Hair Pin Retainer . .	1
9	PW-008-11	Washer	3	28	C-434-2A	Ratchet	1
<p>Note: Index No.'s 10-33 comprise the Double-Up Unit Assy., #AS-1900-111.</p>				29	LSPR-00632-1105	Screw	1
10	R-111-29	Rubber Grommet . . .	3	30	A-1618	Wiper	1
11	P-6512-1	Mounting Bracket . .	1	31	SZSR-00400-1104	Screw	2
12	LSPR-00832-1104	Screw	2	32	A-2212-7 W-999-12	Contact Plate Disc . . Contact Plate Disc - Wired	1 As Req'd
13	LSPR-00540-1103	Screw	2	33	SP-100-121	Extension Spring . . .	1
14	P-5222-1	Stop-Plate	1	34	P-6027-16	End Plate	1
15	A-2214-22	Base Plate Assy. . .	1	35	P-6810-19	Base Plate	1
16	CD-29-1600	Coil	1	36		#8 Lockwasher	3
17	A-613-94	Core Plug Assy. . .	1	37	N-00832-2112	Nut	3
18	SFPB-00832-1106	Screw	2	38	P-6027-15	End Plate	1
19	SW-200-151	Switch		39	A-3400-12 A-1653-1	Insert & Lamp Socket Assembly Lamp Socket Assy. . .	1 15
<p>Note: To prevent possible damage to the Double-Up Unit Disc from voltage arc the top Switch on unit(w/red-gr. & blue -oran. wires) must open only after the Wiper moves off printed circuit segment.</p>				40	PW-008-11	Washer	4
				41	LSPR-00832-1112	Screw	4
				42	M-628A	Door Pull	1-2
				43	E-125-22	Lamp - #44	15

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 COIN MULT. FEATURE UNIT - P. I

MODEL 809, "5 COIN MULTIPLE"



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

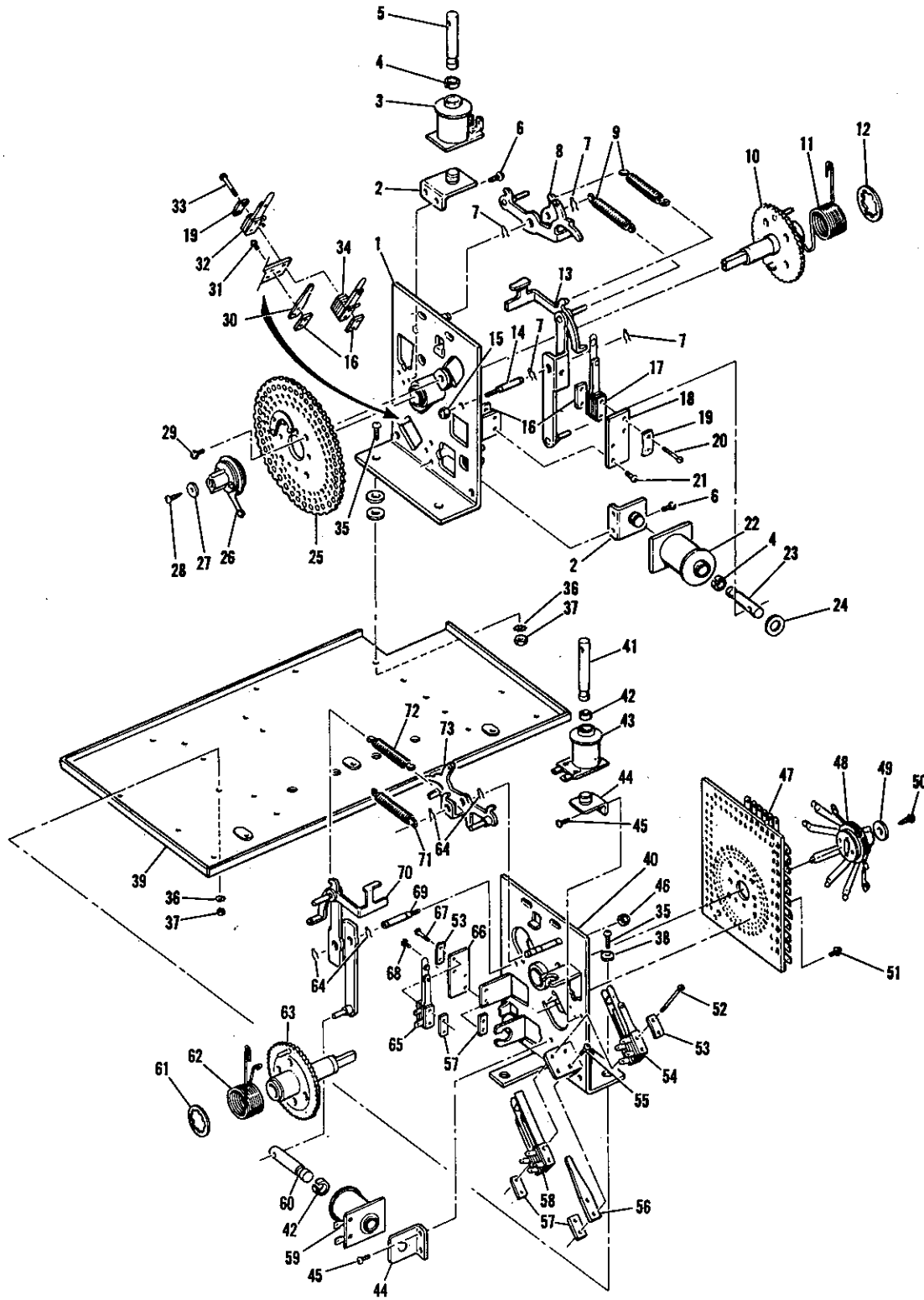
5 COIN MULT. FEATURE UNIT - P. I

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>Note: Index No.'s 1-17 comprise the Multiplier Unit Assembly (2x & 5x), #AS-1900-114. Two of these units are required & are located on either end of the Gang Mount Assembly.</p>				29	A-1618-3	Wiper Assembly	1
1	SFPB-00832-1106	Screw	2	30	C-704-1	Ratchet	1
2	A-613-94	Core Plug Assembly	1	31	C-765	Wheel	1
3	CD-29-1600	Coil	1	32	SAPB-00400-1106	Screw	3
4	A-2214-26	Base Plate Assembly	1	33	M-254	Hair Pin	1
5	AS-2293-5	Drive Pawl Assy.	1	34	S-231-730	Bushing	1
6	SP-100-121	Extension Spring	1	35	SAPB-00400-1104	Screw	2
7	A-2212-7	Contact Plate Disc	1	36	M-254-1	Hair Pin	1
8	LSPR-00540-1103	Screw	1	37	C-708	Hold Pawl	1
9	C-720-5-8	Wheel	1	38	SP-100-258	Extension Spring	1
10	SAPB-00400-1106	Screw	3	39	A-3209	Gang Mount Assembly	1
11	M-254	Hair Pin	1	40	LSPR-00832-1104	Screw	4
12	C-704	Ratchet	1	41	R-111-29	Grommet	4
13	A-1618-3	Wiper Assembly	1	42	PW-8-11	Washer	11
14	SAPB-00400-1104	Screw	2	43	LSPR-00832-1108	Screw	8
15	M-254-1	Hair Pin	1	44	P-6810-19	Base Plate	1
16	C-708	Hold Pawl	1	45	LSPR-00832-1112	Screw	4
17	SP-100-80	Extension Spring	1	46	E-125-5	Light Bulb #55	13
<p>Note: Index No.'s 18-38 comprise the Multiplier Unit Assy. (3x & 4x), #AS-1900-113. Two of these units are required & are located in the center of the gang mount assembly.</p>				47	A-3400-50	Insert & Lamp Socket Assy Assembly	1
18	SFPB-00832-1106	Screw	2	48		#8 Lockwasher	7
19	A-613-94	Core Plug Assy.	1	49	N-00832-2112	Nut	7
20	CD-29-1600	Coil	1	50	M-628	Door Pull	2
21	M-319-6	Elastic Stop Nut	1	51	P-6027-15	End Plate - Left	1
22	PW-008-10	Washer	1	52	P-6027-16	End Plate - Right	1
23	A-2214-25	Base Plate Assembly	1	53	LSPR-00832-1103	Screw	18
24	AS-2293-6	Drive Pawl Assembly	1	54	S-231-696	Spacer	2
25	SP-100-121	Extension Spring	1	55	AS-2662-23	J. P. Lock-Up Relay	2
26	S-2028	Shoulder Stud	1		G-32-2500	Coil	1 ea.
27	A-2212-9	Contact Plate Assy.	1	56	WSPR-00800-1110	Wood Screw	2
28	LSPR-00540-1103	Screw	1	57	P-6417-1	Socket Mtg. Brkt.	1
				58	E-573-1	Beauplug, Male 24 Pt.	1
				59	LSPR-00832-1104	Screw	4
				60	P-405-36	Terminal	1
				61	WSPR-00600-1110	Wood Screw	4
				62	P-6665-29	Relay Mtg. Brkt.	1
				63	AS-2659-31	Odds Relay Unit	1
					G-31-1800	Coil	1
				64	AS-2659-30	Odds Reset Relay Unit	1
					G-31-1800	Coil	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 COIN MULT. FEATURE UNIT - P. II

MODEL 809, "5 COIN MULTIPLE"



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

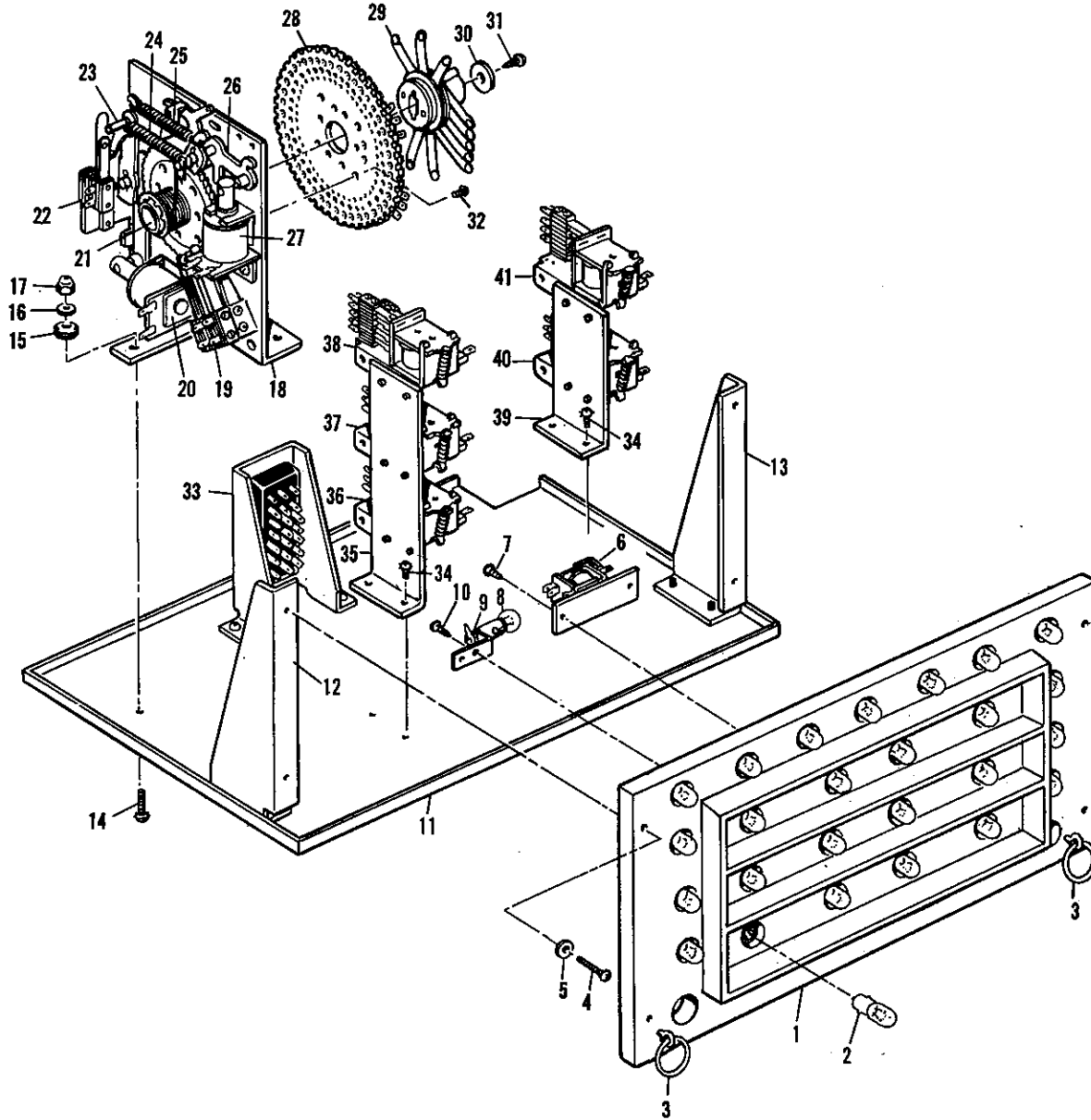
5 COIN MULT. FEATURE UNIT - P. II

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: Index No.'s 1-34 comprise the Jack-pot Count Stepping Unit, #AS-327-307ND.				38	R-111-29	Rubber Grommet	3
1	A-1768	Base Plate Assembly	1	39	P-6810-8	Base Plate	1
2	A-613-33	Core Plug Assembly	2	Note: Index No.'s 40-73 comprise the "Odds Unit Assy." #AS-827-293			
3	C-28-1100	Reset Coil	1	40	A-1768-15	Base Plate Assy.	1
4	C-342	Guide Ring	2	41	S-496-101	Plunger	1
5	S-496-101	Plunger	1	42	C-342	Guide Ring	2
6	SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Parker	4	43	C-28-1100	Reset Coil	1
7	M-254	Hair Pin	4	44	A-613-33	Core Plug & Brk. Assy.	2
8	A-1766	Reset Arm Assembly	1	45	SFPB-00832-1106	Screw, #8 - 32 x 3/8" Lg. Parker	4
9	SP-100-113	Extension Spring	2	46	M-319-3	Elastic Stop Nut	1
10	C-1051-7	Ratchet & Shaft	1	47	A-101-312	Contact Plate Assembly	1
11	SP-370	Torsion Spring	1		W-1090-2	Disc (Wired)	1
12	P-3389	Retaining Ring	1	48	AS-1046-533	Wiper Assembly	1
13	A-1765-8	Step-Up Arm Assy.	1	49	P-801-107	Washer	1
14	S-737-48	Pivot Pin	1	50	SAPR-00800-1112	Screw, #8 x 3/4" Lg. Sheet Metal	1
15	M-319-3	Elastic Stop Nut	1	51	MSSD-00832-1104	Screw	2
16	P-126-154	Plate	4	52	MSSR-00540-1118	Screw	2
17	ASW-U1-23	E. O. S. Switch	1	53	P-137-5	Spring Plate	2
18	P-126-247	Sw. Mounting Plate	1	54	ASW-U2-5	Open at Top Sw.	1
19	P-137-5	Spring Plate	2		ASW-U2-6	Open at Top Sw.	1
20	MSSR-00540-1112	Screw	2	55	LSPR-00540-1104	Screw	2
21	KSOR-00540-1105	Screw	2	56	P-3384	Spring Stop	1
22	B-27-1300	Step-Up Coil	1	57	P-126-154	Plate	4
23	S-496-100	Plunger	1	58	ASW-U2-1	Open at Zero Sw.	1
24	P-1158-6	Spring Washer	1		ASW-U2	Open at Zero Sw.	1
25	A-1402-237	Contact Plate Disc	1	59	B-25-925	Step-Up Coil	1
	W-1093	Disc (Wired)	1	60	S-496-100	Plunger	1
26	AS-1046-532	Wiper Assembly	1	61	P-3389	Retaining Ring	1
27	P-801-107	Washer	1	62	SP-370	Torsion Spring	1
28	SAPR-00800-1112	Screw, #8 x 3/4" Lg. Sheet Metal	1	63	C-1050-4-37	Ratchet and Shaft	1
29	MSSD-00832-1104	Screw	2	64	M-254	Hair Pin	4
30	P-3384	Spring Stop	1	65	ASW-U2-15	Step-Up Arm Sw.	1
31	LSPR-00540-1104	Screw	2	66	P-126-247	Sw. Mtg. Plate	1
32	ASW-U2-5	Switch (Open at 23/33 Step) Top Sec.	1	67	MSSR-00540-1112	Screw	2
33	MSSR-00540-1118	Screw	2	68	LSPR-00540-1105	Screw	2
34	ASW-UO	Bottom Sec. Sw. Spacer	1	69	S-737-48	Pivot Pin	1
	ASW-U2-2	Switch (Open at Zero) Bottom Sec.	1	70	A-1765-8	Step-Up Arm Assy.	1
35	LSPR-00832-1108	Screw	4	71	SP-100-113	Extension Spring	1
36		#8 Lockwasher	4	72	SP-100-120	Extension Spring	1
37	N-00832-2112	Nut	4	73	A-1766	Reset Pawl Assembly	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

3 LINE PAY FEATURE UNIT

MODEL 831



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

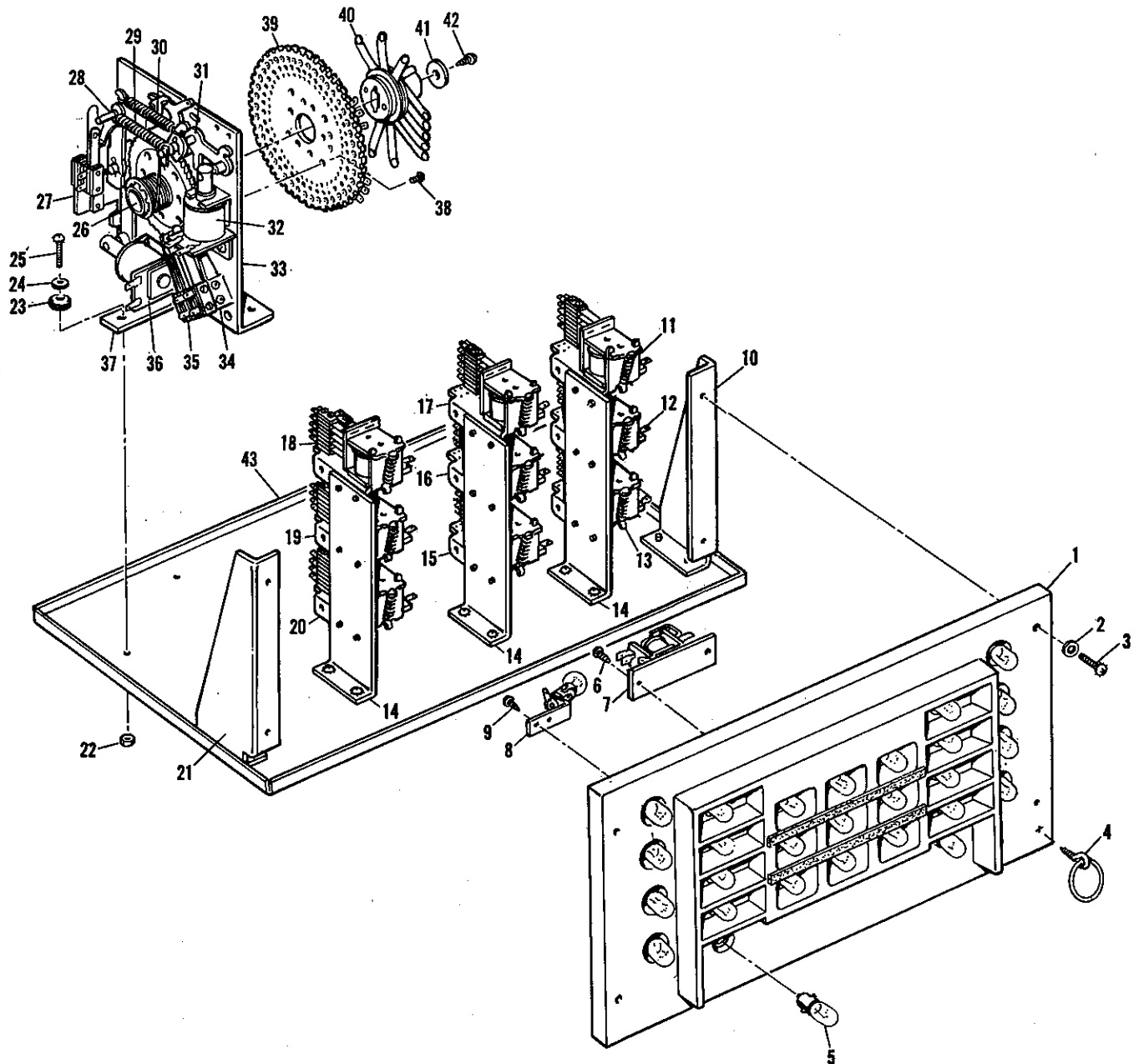
3 LINE PAY FEATURE UNIT

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	A-3400-23	Feature Lite-Up Assy.	1	24	SP-100-120	Extension Spring	1
2	E-125-22	Light Bulb - #44	26	25	SP-100-125	Extension Spring	1
3	M-628	Door Pull	2	26	A-1766 M-254	Reset Pawl Assembly Hair Pin Retainer	1 2
4	LSPR-00832-1112	Screw	4	27	A-613-33 C-28-1100 S-496-101 C-342	Core Plug & Brkt. Assy. Reset Coil Plunger Guide Ring	1 1 1 1
5	PW-008-11	Washer	4	28	W-1112	Contact Plate Disc-Wired	1
6	E-184-242	"S" Relay (flasher)	1	29	AS-1046-546	Wiper Assembly	1
7	WSPR-00800-1108	Wood Screw	2	30	P-801-107	Washer	1
8	E-125-44	Light Bulb (flasher, G.E. #455)	1	31	SAPR-00800-1112	Screw, #8 x 3/4" Lg. Sheet Metal	1
9	E-120-135	Lamp Socket	1	32	MSSD-00832-1104	Screw	2
10	WSPR-00600-1108	Wood Screw	2	33	P-6417-1 E-574-1 LS 632-4-511 SWPT-00832-1105	Socket Mtg. Brkt. Beauplug, 24 Pt. Male Screw (Beauplug) Screw (brkt.)	1 1 4 4
11	P-6810-19	Base Plate	1	34	SWPT-00832-1105	Screw	4
12	P-6027-15 SWPT-00832-1105	End Plate - Left Screw	1 2	35	P-6665-29	Relay Mtg. Brkt.	1
13	P-6027-16 SWPT-00832-1105	End Plate Right Screw	1 2	36	AS-2662-25 G-32-2500	Bottom Line J. P. Relay Coil	1 1
14	LSPR-00832-1110	Screw	3	37	AS-2662-25 G-32-2500	Center Line J. P. Relay Coil	1 1
15	R-111-29	Rubber Grommet	3	38	AS-2662-25 G-32-2500	Top Line J. P. Relay Coil	1 1
16	PW-008-11	Washer	3	39	P-6665-120	Relay Mtg. Brkt.	1
17	M-319-3	Elastic Stop Nut	3	40	P-2659-31 G-31-1800	Line Unit Step-Up Relay Coil	1 1
<p>Note: Index No.'s 18-32 comprise the "Line Step-Up Unit, #AS-827-319.</p>				41	AS-2659-30 G-31-1800	Line Unit Reset Relay Coil	1 1
18	A-1768-43	Base Plate Assembly	1	<p>Note: The following Resistors are also included with this Top Shelf Assembly.</p>			
19	ASW-U2-5 ASW-U2-6 ASW-U2-1 ASW-U2	Switch (top unit, top sec.) Sw. (inner unit, top sec.) Sw. (inner unit, bottom sec.) Switch (bottom unit, bottom sec.)	1 1 1 1	A	E-105-146	Resistor (2.4 K. Ohms - 2 Watt)	1
20	A-613-33 B-25-925 S-496-100 C-342	Core Plug & Brkt. Assy. Step-Up Coil Plunger Guide Ring	1 1 1 1	B	E-105-6	Resistor (8200 Ohms - 1/2 Watt)	1
21	C-1050-2-35 SP-370-1 P-3389	Ratchet & Shaft Torsion Spring Retaining Ring	1 1 1	C	E-105-22	Resistor (100 Ohms - 1/2 Watt)	1
22	ASW-U2-15	Step-Up Switch	1				
23	A-1765-8 M-254	Step-Up Arm Assy. Hair Pin Retainer	1 2				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

5 LINE PAY FEATURE UNIT

MODEL 873, "5 LINE PAY"

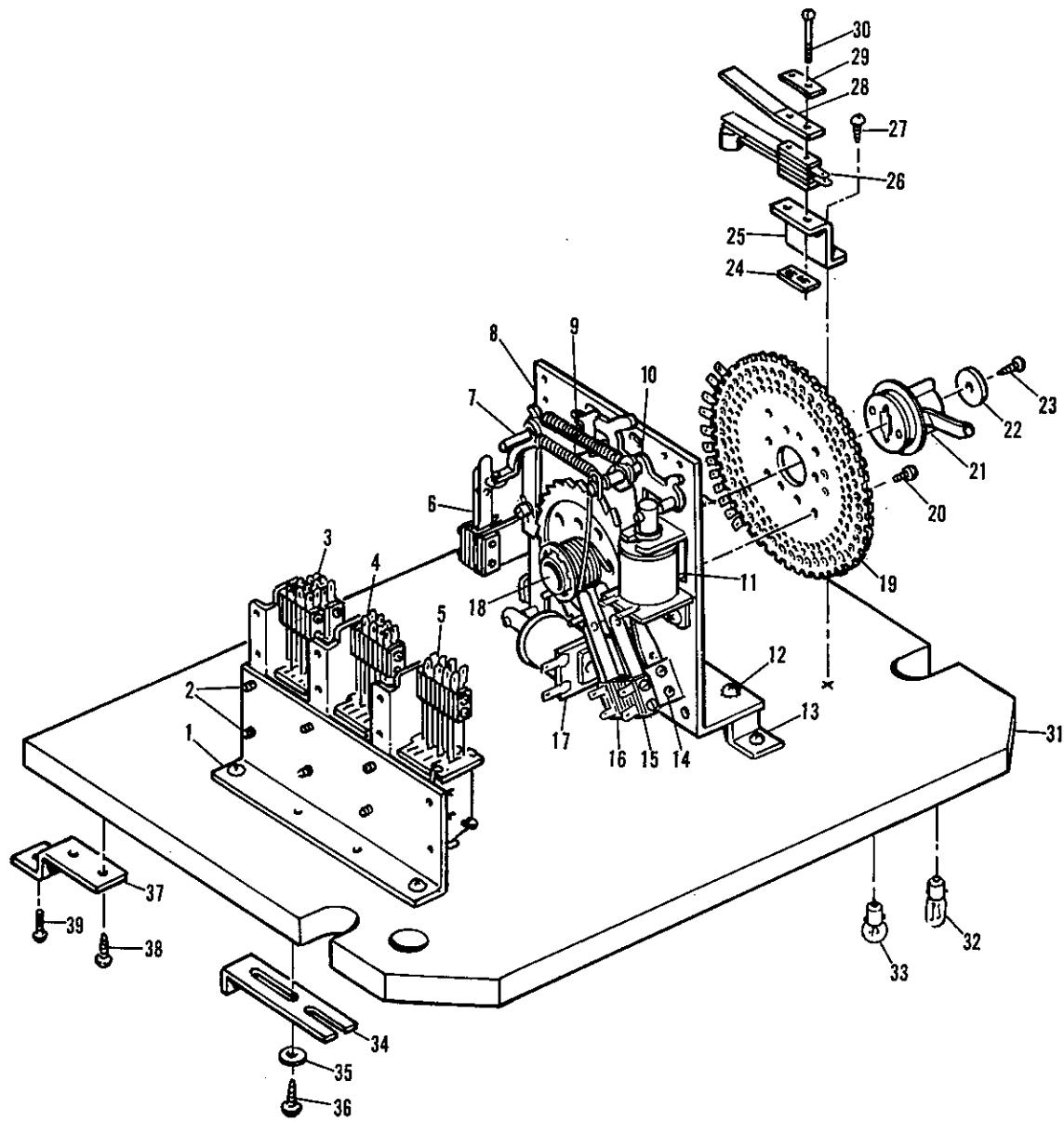


Note: The Feature Glass for this unit is listed under Part No. G-355-Series. Please give the COMPLETE Model No. of your game & the coin denomination.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

MUSTANG FEATURE UNIT

MODEL 903



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

MUSTANG FEATURE UNIT

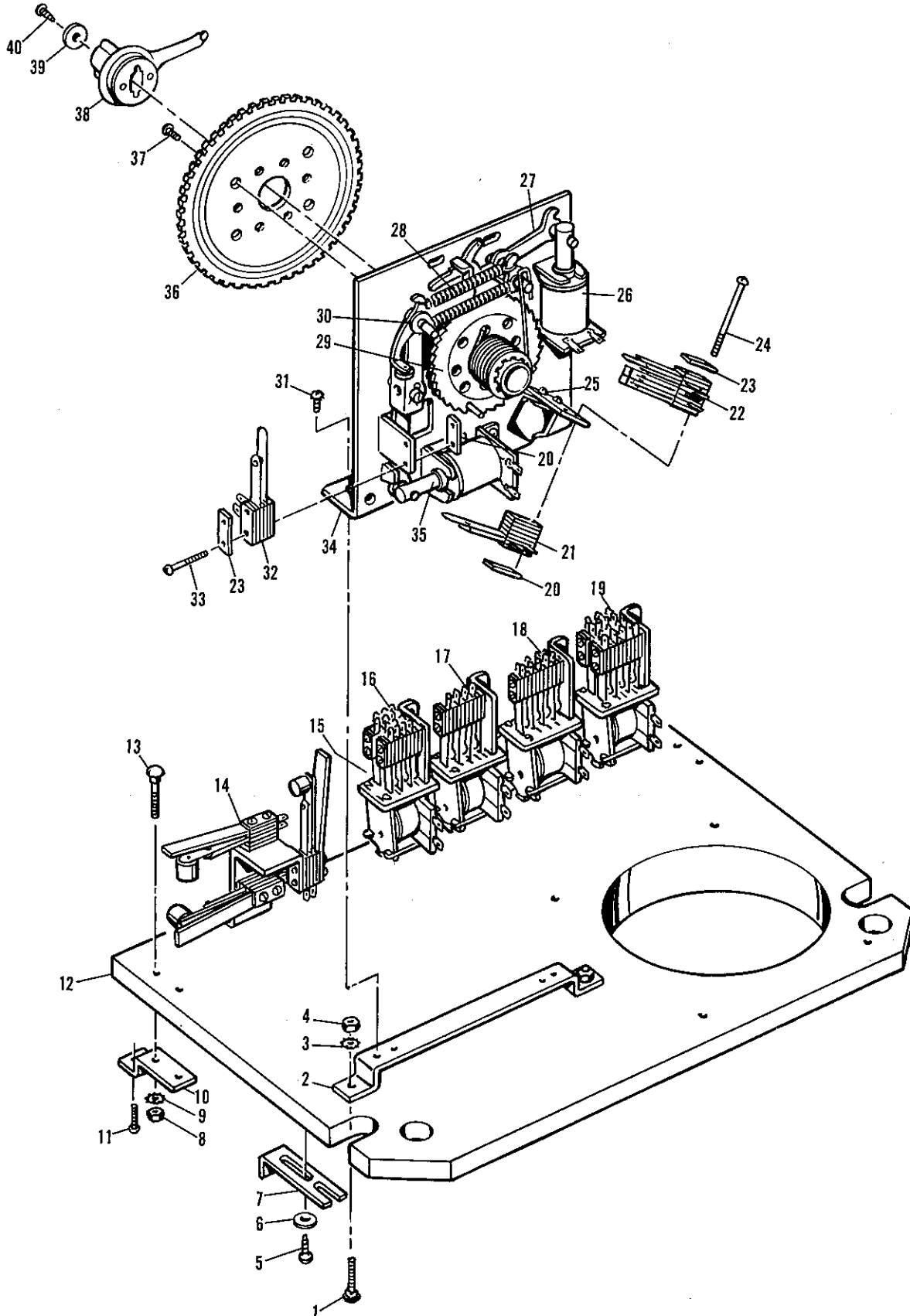
MODEL 903

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: Index No. 's 1-5 comprise the "Relay Assembly", #AS-2544-4					ASW-U2-5	Switch (Outer Sec. - Top Unit)	1
1	P-6665-280	Bracket	1	16	ASW UO	Switch Spacer (Inner Sec. - Bottom Unit)	1
	WSPR-00800-1108	Wood Screw	2		ASW-U2	Switch (Outer Sec. - Bottom Unit)	1
2	M-1523-1	Round Hd. Screw	6	17	B-27-1300	Coil, Step-Up	1
	P-1973-257	Insulator - Relay	3		S-496-100	Plunger	1
	N-00832-2112	Nut	6		C-342A	Guide Ring	1
3	AS-2662-13	"G" Relay (Regular J. P.)	1		A-613-33	Core Plug Assembly	1
	G-33-2800	Coil	1		SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2
	SP-199-29	Armature Spring	1	18	C-1051-6	Ratchet and Shaft	1
4	AS-2659-25	"G" Relay (Anti-Cheat)	1		SP-370	Torsion Spring	1
	G-33-2800	Coil	1		P-3389	Retaining Ring	1
	SP-199-29	Armature Spring	1	19	A-1402-221	Contact Plate Assembly	1
5	AS-2659-25	"G" Relay (Super J. P.)	1		W-1075-6	Contact Plate/w Wiring	1
	G-33-2800	Coil	1	20	MSSD-00832-1104	Screw	2
	SP-199-29	Armature Spring	1	21	AS-1046-481	Wiper Assembly	1
Note: Index No. 's 6-23 comprise the "Super Jackpot Unit Assembly", #AS-797-125				22	P-801-107	Washer	1
6	ASW-U1-20	Switch	1	23	SZPR-00800-1110	Screw, #8 x 5/8" Lg. Sheet Metal	1
7	A-1765-5	Step-Up Arm	1	Note: Index No. 's 24-30 comprise the "Tilt Switch & Bracket Assembly", #AS-982-258			
	M-254	Hair Pin Retainer	2	24	P-126-154	Retaining Plate	1
	S-737-48	Pivot Pin	1	25	P-126-29	Bracket	1
	M-319-3	Elastic Stop Nut	1	26	ASW-A-20	Tilt Switch	1
8	A-1768-43	Base Plate Assembly	1	27	WSPR-00800-1108	Wood Screw	2
9	SP-100-113	Extension Spring	2	28	P-126-473	Plate	1
10	A-1766	Reset Pawl Assembly	1	29	P-137-5	Spring Plate	1
	M-254	Hair Pin Retainer	2	30	MSSR-00540-1114	Screw	2
11	C-28-1100	Coil - Reset	1	31	A-3400-73	Insert & Lamp Socket Assembly	1
	S-496-101	Plunger	1	32	E-125-2	Lamp, #47 (Feature Lites)	12
	C-342	Guide Ring	1	33	E-125-5	Lamp, #55 (General Illumination)	13
	A-613-33	Core Plug Assembly	1	34	P-372-7	Bracket (Latch)	2
	SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2	35	P-1158-4	Spring Washer	2
12	LSPR-00832-1105	Screw	2	36	SAPB-00800-1108	Screw, #8 x 1/2" Lg. Binder Hd. Sheet Metal	2
13	P-5052-14	Mounting Bracket	1	37	P-1820-2	Bracket (Hinge Pivot)	2
	WSPR-00800-1108	Wood Screw	2	38	WSPR-00800-1108	Screw	4
14	P-3384	Spring Stop	1	39	LSPR-00632-1108	Screw	2
	LSSR-00540-1104	Screw	2				
	P-126-154	Retaining Plate	1				
15	ASW-U2-6	Switch (Inner Sec. - Top Unit)	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CIRCUS FEATURE UNIT - P. I

MODEL 931



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CIRCUS FEATURE UNIT - P. I

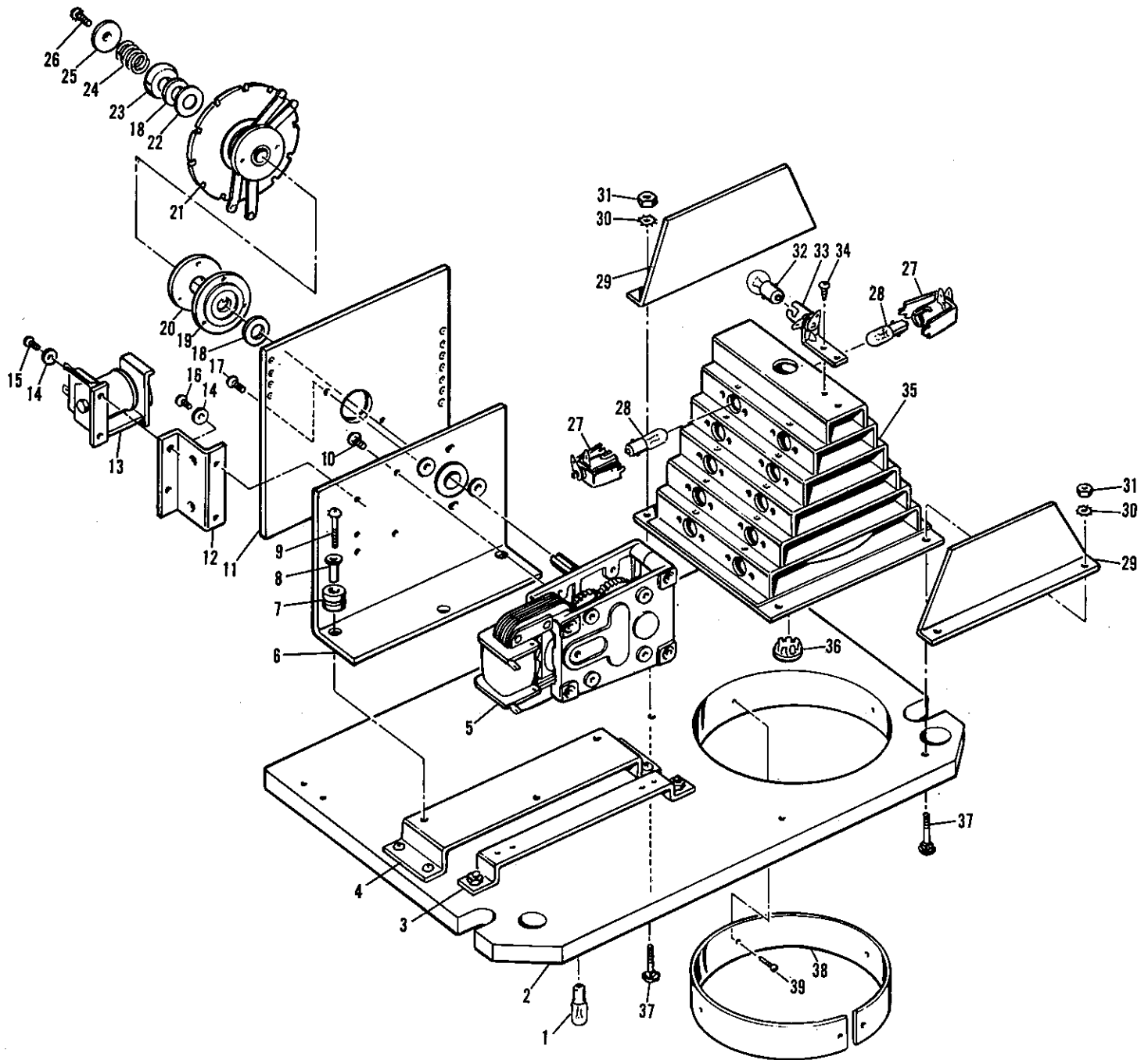
MODEL 931

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	CBOO-00832-1112	Carriage Bolt, #8-32 x 3/4" Lg.	2	19	AS-2662-38	"G" Relay Coil & Sw. Assy. ("Reg. J. P.")	1
2	P-5052-14	Bracket	1		G-33-2800	Coil	1
3		#8 Lockwasher	2				
4	N-00832-2112	Nut	2				
5	WSPB-00800-1108	Screw, #8 x 1/2" Lg. Binder Hd.	2				
6	P-1158-4	Spring Washer	2	20	P-126-154	Retaining Plate	3
7	P-372-7	Bracket (Latch)	2	21	ASW-UO	Switch Spacer (inner unit)	1
8	N-00832-2112	Nut	4		ASW-U2	Switch (outer unit)	1
9		#8 Lockwasher	4	22	ASW-U2-6	Switch (inner unit)	2
10	P-1820-2	Bracket (Hinge Pivot)	2		ASW-U2-5	Switch (outer unit)	1
11	LSPR-00632-1108	Screw (pivot)	2	23	P-137-5	Spring Plate	2
12	A-3400-90	Insert & Lamp Socket Assy.	1	24	MSSR-00540-1126	Screw	2
	E-125-22	Light Bulb (#44)	25	25	P-3384	Spring Stop	1
13	CBOO-00832-1112	Carriage Bolt, #8-32 x 3/4" Lg.	4	26	C-28-1100	Reset Coil	1
					S-496-101	Plunger	1
14	AS-982-828	3 Way, Tilt Switch Assy.	1		C-342	Guide Ring	1
	ASW-A20	Tilt Switch	3		A-613-33	Core Plug Assembly	1
	P-150-77	Switch Insulator	3		SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2
	P-126-473	Switch Protector Plate	3	27	A-1766	Reset Pawl Assembly	1
	P-126-642	Mounting Bracket	1		M-254	Hair Pin Retainer	2
	P-137-5	Spring Plate	3	28	SP-100-113	Extension Spring	2
	MSSR-00540-1112	Screw (switches)	6	29	A-1765-5	Step-Up Arm Assembly	1
	WSPR-00800-1108	Wood Screw	2		M-254	Hair Pin Retainer	2
15	P-6665-254	Relay Mounting Brkt. - U. S. A. (hidden)	1	30	C-1051-6	Ratchet & Shaft	1
	WSPR-00800-1105	Wood Screw (Relay mount)	8		SP-370	Torsion Spring 1-1/2 turns on Shaft)	1
	P-6665-280A	Relay mounting Brkt - Denmark	1		P-3389	Retaining Ring	1
		Note: Demko - Denmark Units uses the following parts for Relay mounting.		31	LSPR-00832-1105	Screw	2
	M-1523-1	Screw (nylon)	8	32	ASW-U1-20	Switch	1
	P-1973-257	Insulator	4	33	MSSR-00540-1112	Screw	2
	N-00832-2112	Nut	8	34	A-1768-43	Base Plate Assembly	1
16	AS-2662-13	"G" Relay Coil & Sw. Assy. ("Stop")	1	35	B-27-1300	Step-Up Coil	1
	G-33-2800	Coil	1		S-496-100	Plunger	1
17	AS-2659-25	"G" Relay Coil & Sw. Assy. ("anti-cheat")	1		C-342	Guide Ring (Plunger)	1
	G-33-2800	Coil	1		A-613-33	Core Plug Assembly	1
18	AS-2659-67	"G" Relay Coil & Sw. Assy. ("Super J. P.")	1		SFPB-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2
	G-33-2800	Coil	1	36	A-1402-221	Contact Plate Assembly	1
					W-1075-6	Contact Plate (wired)	1
				37	MSSD-00832-1104	Screw	2
				38	AS-1046-481	Wiper Assembly	1
				39	P-801-107	Washer	1
				40	SZPR-00800-1110	Screw, #8 x 5/8" Lg. Sheet Metal	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CIRCUS FEATURE UNIT - P. II

MODEL 931



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

CIRCUS FEATURE UNIT - P. II

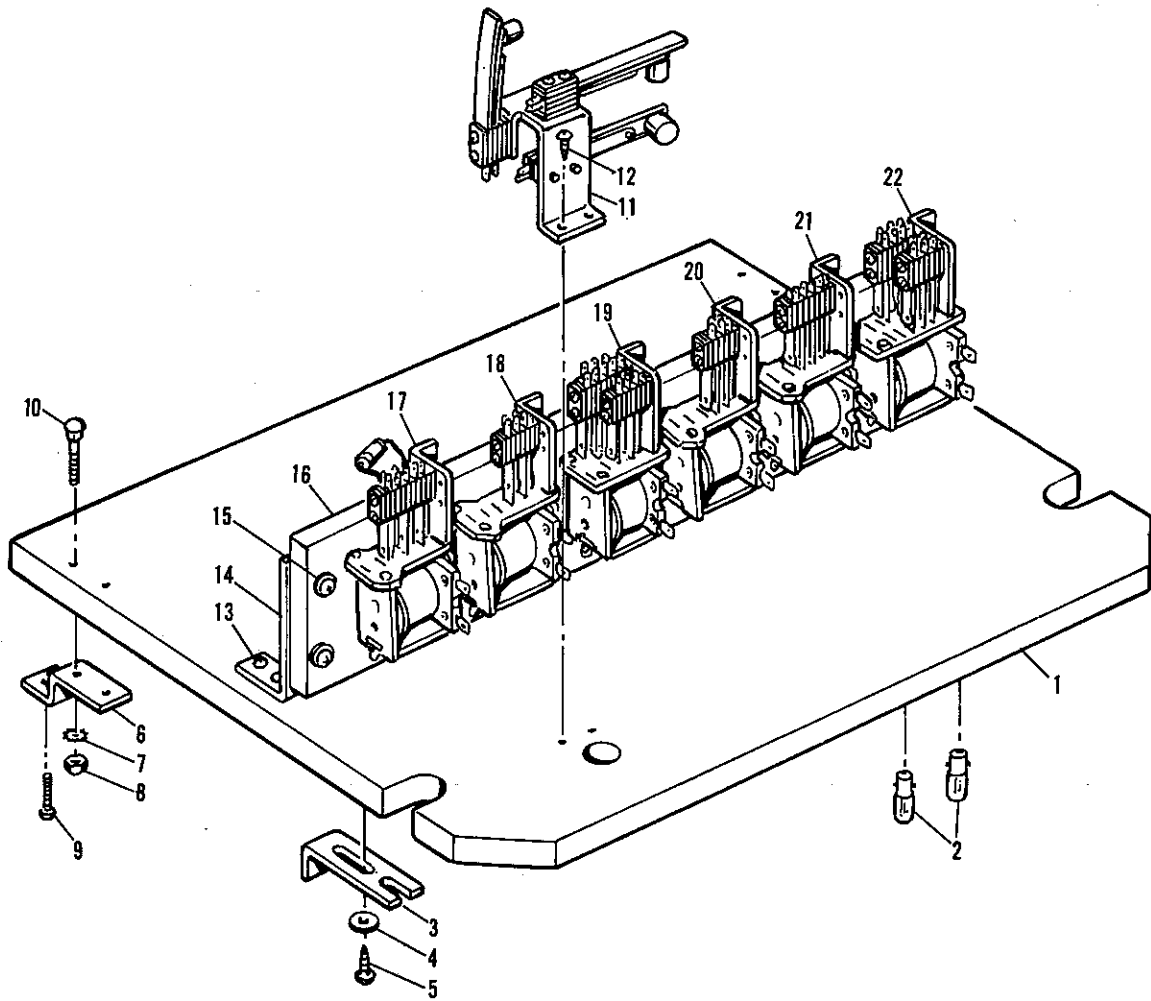
MODEL 931

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	E-125-22	Light Bulb (feature glass illum.)	25	17	MSSD-00832-1104	Screw	2
2	A-3400-90	Insert & Lamp Socket Assembly	1	18	P-801-357	Nylon Washer	2
3	P-5052-14	Mounting Bracket (stepping unit)	1	19	P-163-30	Key Washer	1
	CBOO-00832-1112	Carriage Bolt, #8-32 x 3/4" Long	2	20	P-801-379	Leather Washer	1
		#8 Lockwasher	2	21	AS-1046-632	Wiper Assembly	1
	N-00832-2112	Nut	2	22	P-801-167	Bakelite Washer	1
4	P-5052-17	Mounting Bracket (flasher motor unit)	1	23	P-2293	Cup Washer	1
	WSPR-00800-1108	Wood Screw	4	24	SP-230	Compression Spring	1
	Note: Index No. 's 5-26 comprise the "Flasher Motor Unit", #AS-2611-1			25	P-800-6	Washer	1
5	E-119-407	Motor (40 R. P. M.)	1	26	LSPR-01032-1106	Screw	1
6	A-3465	Motor Mounting Bracket Assembly	1	27	E-120-158	Socket	20
7	R-111-7	Grommet	3	28	E-125-22	Light Bulb (#44)	20
8	M-122-18	Eylet Bushing	3	29	P-7643	Reflector	2
9	LSPR-01032-1110	Screw	3	30		#8 Lockwasher	4
10	LSPR-00832-1104	Screw (motor mtg.)	4	31	N-00832-2112	Nut	4
11	A-1573-123	Contact Plate	1	32	E-125-19	Lamp (#55 Red)	1
	W-923-231	Contact Plate (wired)	1	33	E-120-155	Socket	1
12	P-7637-1	Magnet Frame Support	1	34	SZPR-00600-1103	Sheet Metal Screw, #6 x 3/16" Long	26
13	AS-2517-3	Latch Magnet Assembly	1	35	AS-2493-2	Flasher Target Assembly	1
	FC-32-2100	Coil	1	36	C-776-3	Hole Plug, 50 Score	1
14	PW-008-11	Washer	4	37	CBOO-00832-1112	Carriage Bolt, #8-32 x 3/4" Long	4
15	LSPR-00832-1104	Screw	2	38	P-7644-1	Trim	1
16	SFPB-00632-1104	Screw	2	39	M-330	Screw Nail	5

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL DICE FEATURE UNIT - P. I

MODEL 935



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL DICE FEATURE UNIT - P. I

MODEL 935

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	A-3400-97	Insert & Lamp Socket Assy.	1	13	WS 8-8-510	Wood Screw	4
	A-1653-1	Assembly	1	14	P-6665-257	Relay Mounting Bracket .	2
		Lamp Socket Unit . . .	39	15	LS 832-12-511	Screw	4
2	E-125-22	Light Bulb, #44 (Feature Glass Illumination) . . .	39		PW 8-10	Washer	4
3	P-372-7	Latch Bracket	2	Note: Index No. 's 16-22 are component parts of the "G-Relay & Switch (Board Mount) Assembly #E-300-621			
4	P-1158-4	Spring Washer	2				
5		Binder Hd. Screw #8 x 1/2" Lg. Sheet Metal	2				
6	P-1820-2	Hinge Bracket	2				
7		#8 Lockwasher	4				
8	N832-1111	Nut	4	16	CA-456-213	Wood Board	1
9	LS 632-8-511	Screw (Hinge Lock) . . .	2	17	—	Odds Reset Relay	1
10		Carriage Bolt, #8-32 x 1 1/8" Long	4		G-32-2500	Coil	1
11	AS-982-828	3-Way Tilt Switch	1		E-105-146B	Resistor	1
	ASW-A20	Tilt Switch	3	18	—	Odds Relay	1
	P-150-77	Insulator	3		G-32-2500	Coil	1
	P-126-473	Switch Protector Plate . .	3	19	—	Safety Relay	1
	P-137-5	Spring Plate	3		G-32-2500	Coil	1
	MS 540-12-110	Screw	6	20	—	Reset Relay	1
	P-126-642	Switch Mounting Bracket .	1		G-32-2500	Coil	1
12	WS 8-8-510	Wood Screw	2	21	—	J. P. Lock-Up Relay . . .	1
					G-33-2800	Coil	1
				22	—	Anti-Cheat Relay	1
					G-34-580/34-2020	Coil	1

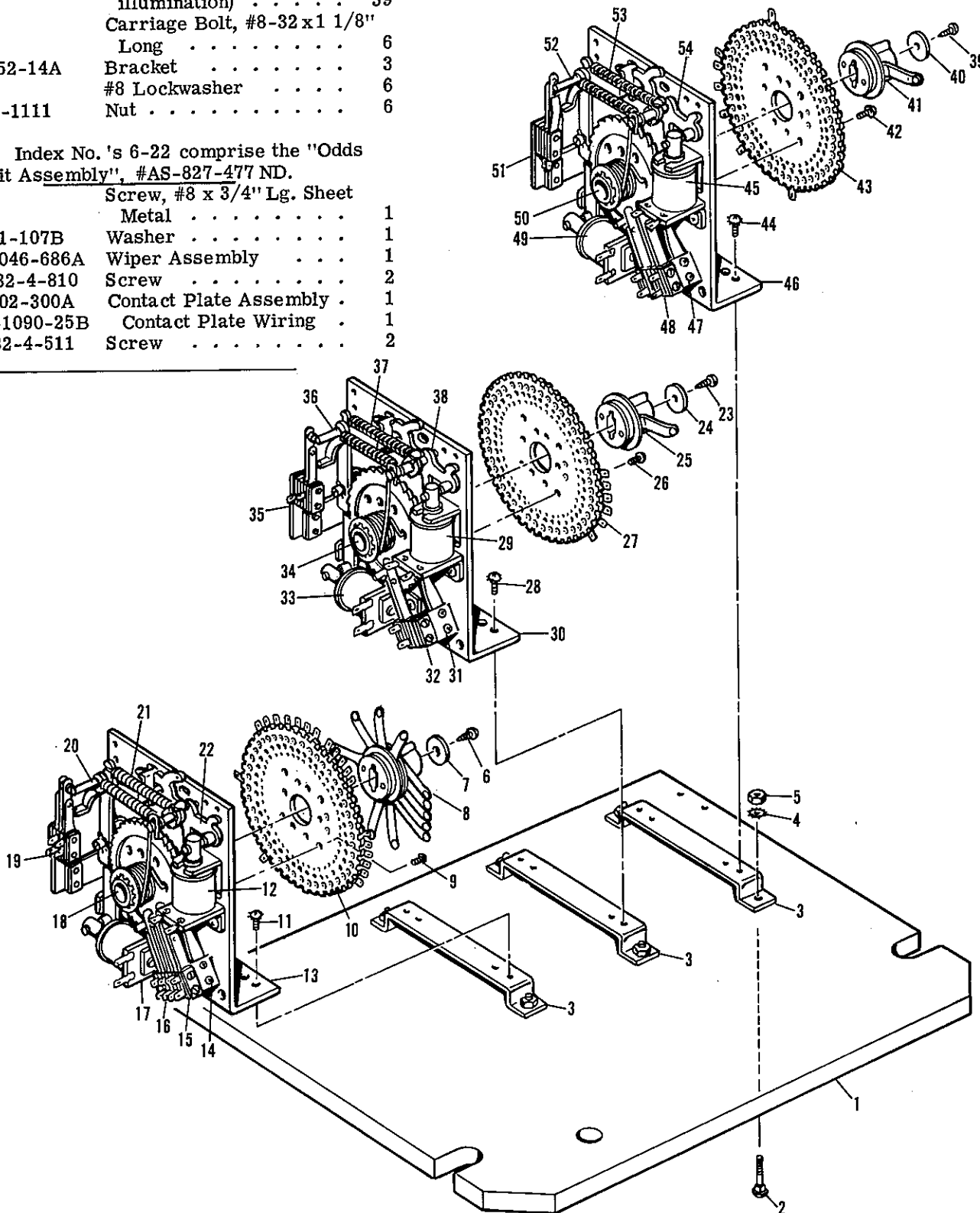
Note: For Switch information on various
Relays specify: Blueprint No. E-300-621

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL DICE FEATURE UNIT - P. II

MODEL 935

Index No.	Part No.	Description	No. Req'd
1	A-3400-97 ND	Insert & Lamp Socket Assembly	1
	E-125-22A	Light Bulb, #44 (Top glass illumination)	39
2		Carriage Bolt, #8-32 x 1 1/8" Long	6
3	P-5052-14A	Bracket	3
4		#8 Lockwasher	6
5	N832-1111	Nut	6
Note: Index No. 's 6-22 comprise the "Odds Unit Assembly", #AS-827-477 ND.			
6		Screw, #8 x 3/4" Lg. Sheet Metal	1
7	P-801-107B	Washer	1
8	AS-1046-686A	Wiper Assembly	1
9	MS 832-4-810	Screw	2
10	A-1402-300A	Contact Plate Assembly	1
	W-1090-25B	Contact Plate Wiring	1
11	LS 832-4-511	Screw	2



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL DICE FEATURE UNIT - P. II

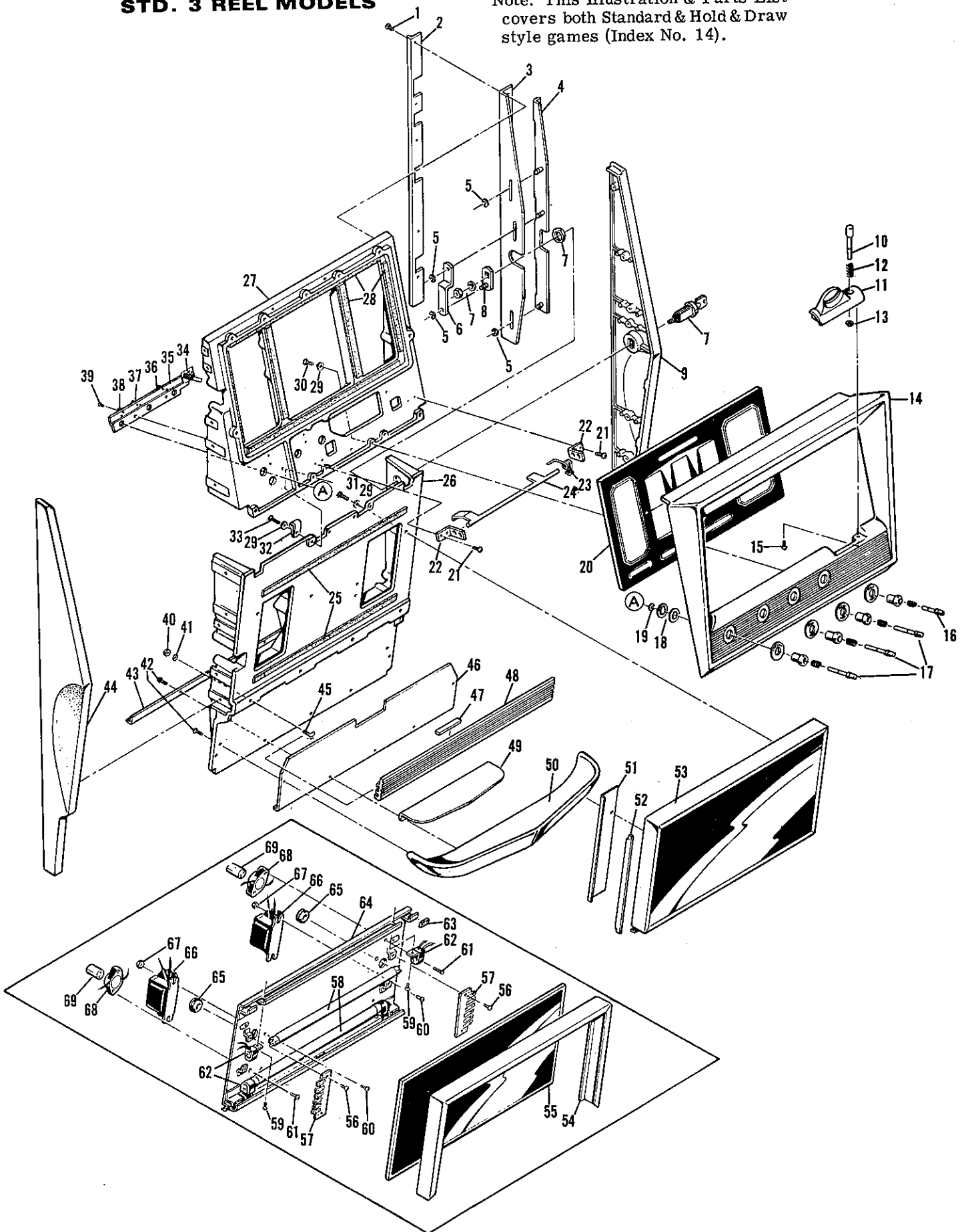
Index No.	Part No.	Description	No. Req'd	Index No.	Part no.	Description	No. Req'd
12	C-28-1100	Reset Coil	1	34	C-1050-5A	Ratchet & Shaft	1
	S-496-101A	Plunger	1		SP-370A	Torsion Spring (1 1/2 turns on shaft)	1
	C-342A	Guide Ring (Plunger)	1		P-3389A	Retaining Ring	1
	A-613-33A	Core Plug & Bracket Assy.	1	35	ASW-U2-15A	Switch	1
		Screw, #8-32 x 3/8" Lg.			P-126-247A	Switch Mounting Plate	1
		Parker Swage Form	2	36	A-1765-8A	Step-Up Arm Assembly	1
13	A-1768B	Base Plate Assembly	1		M-254A	Hair Pin Retainer	2
14	P-3384A	Spring Stop	1	37	SP-100-113B	Extension Spring	2
15	ASW-U2A	Switch (Outer Sec. - top unit)	1	38	A-1766A	Reset Arm Assembly	1
	ASW-U2-1A	Switch (Inner Sec. - top unit)	1		M-254A	Hair Pin Retainer	2
16	ASW-U2-6A	Switch (Inner Sec. - bottom unit)	1				
	ASW-U2-5A	Switch (Outer Sec. - bottom unit)	1				
17	B-25-925	Step-Up Coil	1				
	S-496-100A	Plunger	1	39		Note: Index No. 's 39-54 comprise the "Jackpot Count Unit", #AS-827-478 ND.	
	C-342A	Guide Ring (Plunger)	1			Screw, #8 x 5/8" Lg.	
	P-1158-6A	Spring Washer (Coil - Front Bracket)	1	40	P-801-107B	Sheet Metal	1
	A-613-33A	Core Plug & Bracket Assy.	1	41	P-1046-532A	Washer	1
		Screw, #8-32 x 3/8" Lg.		42	MS 832-4-810	Wiper Assembly	1
		Parker Swage Form	2	43	A-1402-299A	Screw	2
18	C-1050-5-39	Ratchet & Shaft	1	44	W-1093-3B	Contact Plate Assembly	1
	SP-370-1A	Torsion Spring (1 1/2 Turns on Shaft)	1	45	LS 832-4-511	Contact Plate Wiring	1
	P-3389A	Retaining Ring	1		C-28-1100	Screw	1
19	ASW-U20A	Switch	1		S-496-101A	Reset Coil	1
	P-126-247A	Switch Mounting Plate	1		C-342A	Plunger	1
20	A-1765-8A	Step-Up Arm Assembly	1		A-613-33A	Guide Ring (plunger)	1
	M-254A	Hair Pin Retainer	2	46		Core Plug Assembly	1
21	SP-100-120B	Extension Spring	2			Screw, #8-32 x 3/8" Lg.	
22	A-1766A	Reset Pawl Assembly	1	47	A-1768B	Parker Swage Form	2
	M-254A	Hair Pin Retainer	2	48	P-3384A	Base Plate Assembly	1
					LS 540-4-511	Spring Stop	1
					P-126-154A	Screw	2
				49	P-126-154A	Retainer Plate	1
					ASW-U2A	Switch (top unit)	1
					ASW-UOA	Switch Spacer (inner sec. - bottom unit)	1
					ASW-U2-5A	Switch (outer sec. - bottom unit)	1
					P-137-5A	Spring Plate	1
					MS 540-18-110	Screw	2
					P-126-154A	Retaining Plate	1
					B-27-1300	Step-Up Coil	1
					S-496-100A	Plunger	1
					C-342A	Guide Ring (plunger)	1
					A-613-33A	Core Plug Assembly	1
					P-1158-6A	Spring Washer (front bracket - coil)	1
						Screw, #8-32 x 3/8" Lg.	
						Parker Swage Form	1
				50	C-1051-13A	Ratchet & Shaft	1
					SP-370A	Torsion Spring (2 turns on shaft)	1
					P-3389A	Retaining Ring	1
				51	ASW-U10A	Switch	1
					P-126-247A	Switch Mounting Plate	1
					P-137-5A	Spring Plate	1
					MS 540-12-110	Screw (Switch)	2
					LS 540-5-510	Screw (mount plate)	2
					P-126-154A	Retaining Plate	2
				52	A-1765-8A	Step-Up Arm	1
					M-254A	Hair Pin Retainer	2
					S-737-48A	Pivot Pin	1
					M-319-3A	Elastic Stop Nut	1
				53	SP-100-113B	Extension Spring	2
				54	A-1766A	Reset Arm Assembly	1
					M-254A	Hair Pin Retainer	2

Note: Index No. 's 23-38 comprise the "Odds Follower Unit Assembly", #AS-827-479ND.

FRONT DOOR ASSEMBLY - P. I

STD. 3 REEL MODELS

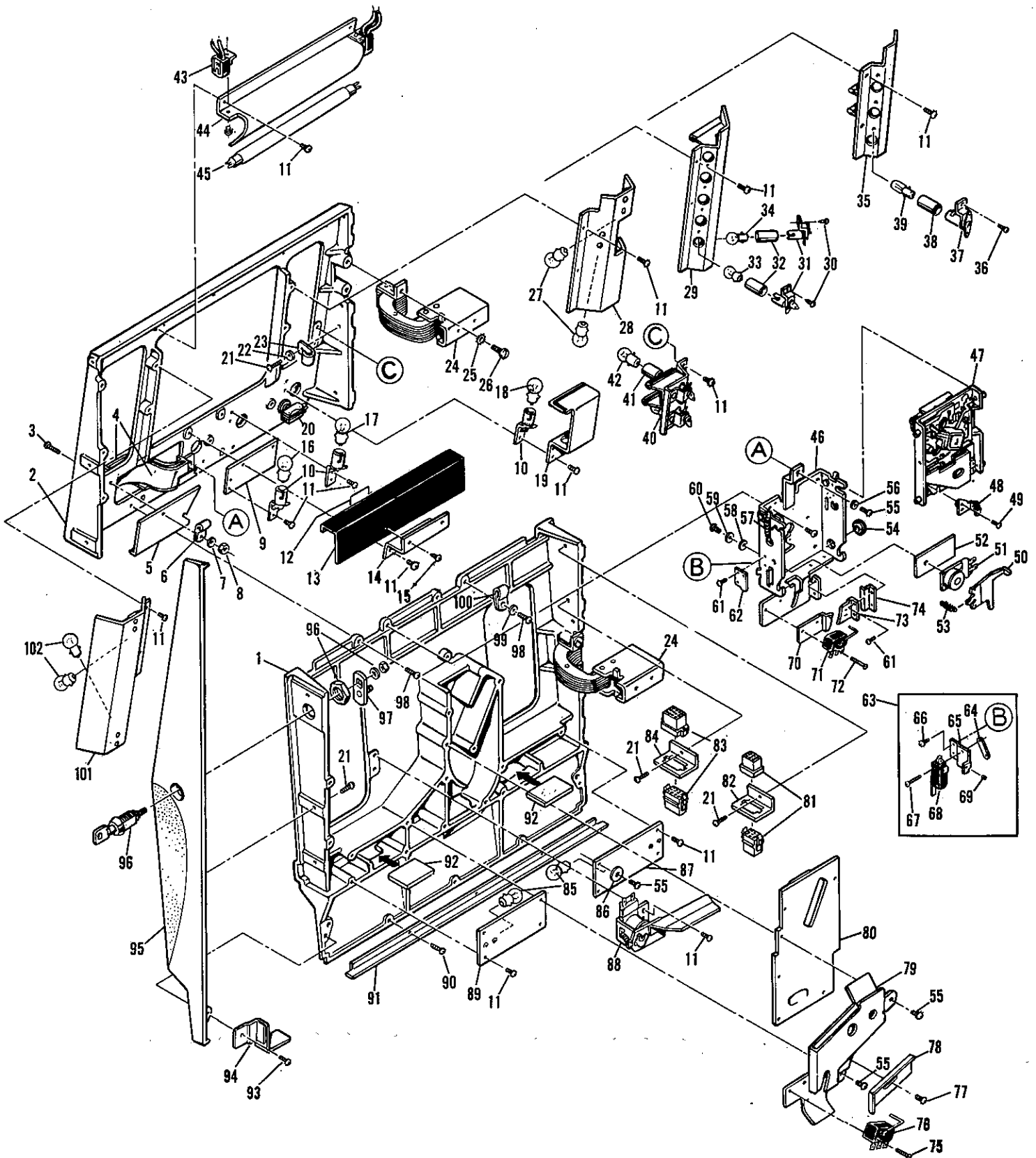
Note: This Illustration & Parts List covers both Standard & Hold & Draw style games (Index No. 14).



Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
1	MSPT-00832-1104	Screw	5	28	R-221-43	Sponge Rubber Strip (window cushion)	As Req.
2	P-7120	Lock Side Door Shield	1	29	PW-008-12	Washer	6
3	P-6428	Lock Slide Guide	1	30	LSPR-00832-1112	Screw (window frame)	9
4	A-2928	Lock Slide Assy.	1	31	LSPR-00832-1112	Screw (display unit)	3
5	P-6416-4	Retaining Ring	4	32	C-271-8	Cable Clip	1
6	P-6427	Lock Crank	1	33	LSPR-00832-1110	Screw Frame	2
7	M-281-40	Lock & Attaching Hardware	1	Note: Index No.'s 34-39 comprise the Hold & Draw Sw. & Brkt. Assy. #AS-982-591.			
8	A-2930	Lock Cam Assy.	1	34	SW-100-478	Sw. -N.O. (hold Reel 3)	1
9	C-657-2	Door Frame - Right	1		P-150-82	Insulator	1
10	A-3085	Scavenger Button Assy.	1	35	P-126-550	Bracket	1
11	C-674-Series	Coin Drop Casting (specify Coin Denomination & Country)	1	36	SW-100-479	Sw. -N.O. (hold Reel 2)	1
12	SP-200-38	Compression Spring	1	37	SW-100-479	Sw. -N.O. (hold Reel 1)	1
13	P-448-1	Snap Washer (1/4" shaft)	1	38	SW.-001-63	Switch - T. (cancel)	1
14	C-658-8	Window Frame - Hold & Draw style (as illustrated) - Models 783, 802, 816, 903, 931 etc.	1	39	LSPR-00832-1104	Screw	2
	C-658-1	Window Frame - Std. Plain Ribbed Front (no buttons)	1	40	N-01024-2112	Nut (locked center trim)	4
	C-658-3	Window Frame - w/Service Button Provision on Left Side	1	41		#10 Lockwasher	4
Note: The following Parts (not shown) are the Service/Change Button Unit Parts.				42	LSPR-00832-1108	Screw (coin cup & shield)	5
	M-1376	Change/Service Button Instruction Disc (specify country for language requirements)	1	43	P-6665-75	Bottom Door Shield	1
	S-287-8	Push Button Housing	1	44	C-657-3	Door Frame - Left	1
	P-3389-2	Retaining Ring (see Index No. 18)	2	45	M-606-29	Weld Screw (trim)	4
	S-286-24	Push Button	1	46	P-6441	Trim Panel	1
	P-6316-6	Retaining Ring	1	47	P-1925-164	Flat Plate (prevents coins from hanging on inner lip)	1
	E-108-97	Push Button Switch	1	48	C-660-10	Extruded Trim (regular)	1
15	LSPR-00832-1114	Screw	2		C-660-11	Extruded Trim (for coins over 1" dia.)	As Req.
Note: Index No.'s 16-19 & 34-39 is part information for Hold & Draw Models only.				49	P-7209	Coin Cup Guard Plate	1
16	A-3085-2	Push Button (Hold Reel 3)	1	50	C-655	Coin Cup	1
17	A-3085-3	Push Button (Hold Reel 1, 2 & cancel)	3	51	P-6665-304	Front Door Baffle (anti-wire guard)	1
18	P-3389-2	Retaining Ring (2 ea.)	8	52	P-6682	Spacer Strap (shim. 031)	As Req.
19	P-448-1	Snap Washer 1/4"	4		P-6682-1	Spacer Strap (shim. 062)	As Req.
20	G-349-Series	Reel Glass (specify model no.)	1	Note: Models 802, 869, 903 & 946 with a flashing animated display unit is shown on next page.			
21	LSPR-00832-1104	Screw	4	53	AS-2358	Lower Display Unit (Index No.'s 54 - 69)	1
22	P-6426	Scavenger Brkt.	2	54	P-6573-1	Retainer Frame	1
23	SP-399-9	Torsion Spring	1	55	G-350-Series	Display Glass (specify complete Model No.)	1
24	A-2929	Scavenger Assy.	1		M-1370-Series	Display Glass - Plexiglass (specify complete Model No.)	As Req.
25	R-221-43	Sponge Rubber Strip (Display Cushion)	2	56	SFPR-00632-1108	Screw	4
26	C-854	Lower Door Frame (std. Die-Cast)	1	57	E-1119-44	Contact Strip Assy.	2
27	C-859-8	Upper Door Frame (std. Die-Cast)	1	58	E-412-5	Fluor. Tube (white)	2
Note: The Die-Cast Door Frame became standard in 1971 - replacing the heavier Sand Cast Unit. The new universal Die-Cast Unit is lighter & more accurate w/provision for all types of slot variations. If you are ordering older Sand Cast Frame Parts, you will be sent an upper & lower Die-Cast frame set.					E-412-7	Fluor. Tube (blacklite - blue)	As Req.
				59	LSPR-00632-1103	Screw (sockets)	4
				60	LSPR-00632-1104	Screw (ballast)	4
				61	LSPR-00632-1108	Screw (starter)	4
				62	E-120-119	Fluorescent Tube Socket	2
				63	R-221-32	Sponge Rubber Strip	6
				64	A-3621	Glass Retainer Assy.	1
				65	R-111-8	Grommet	2
				66	E-409-1	Ballast	2
				67	N-00632-2112	Nut	4
				68	E-120-120	Starter Socket	2
				69	E-411-4	Fluor. Starter (std.)	2
					E-411-7	Fluor. Starter - Plastic Case (Europe & Austral)	As Req.

FRONT DOOR ASSEMBLY - P. II

STANDARD 3 REEL UNIT



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

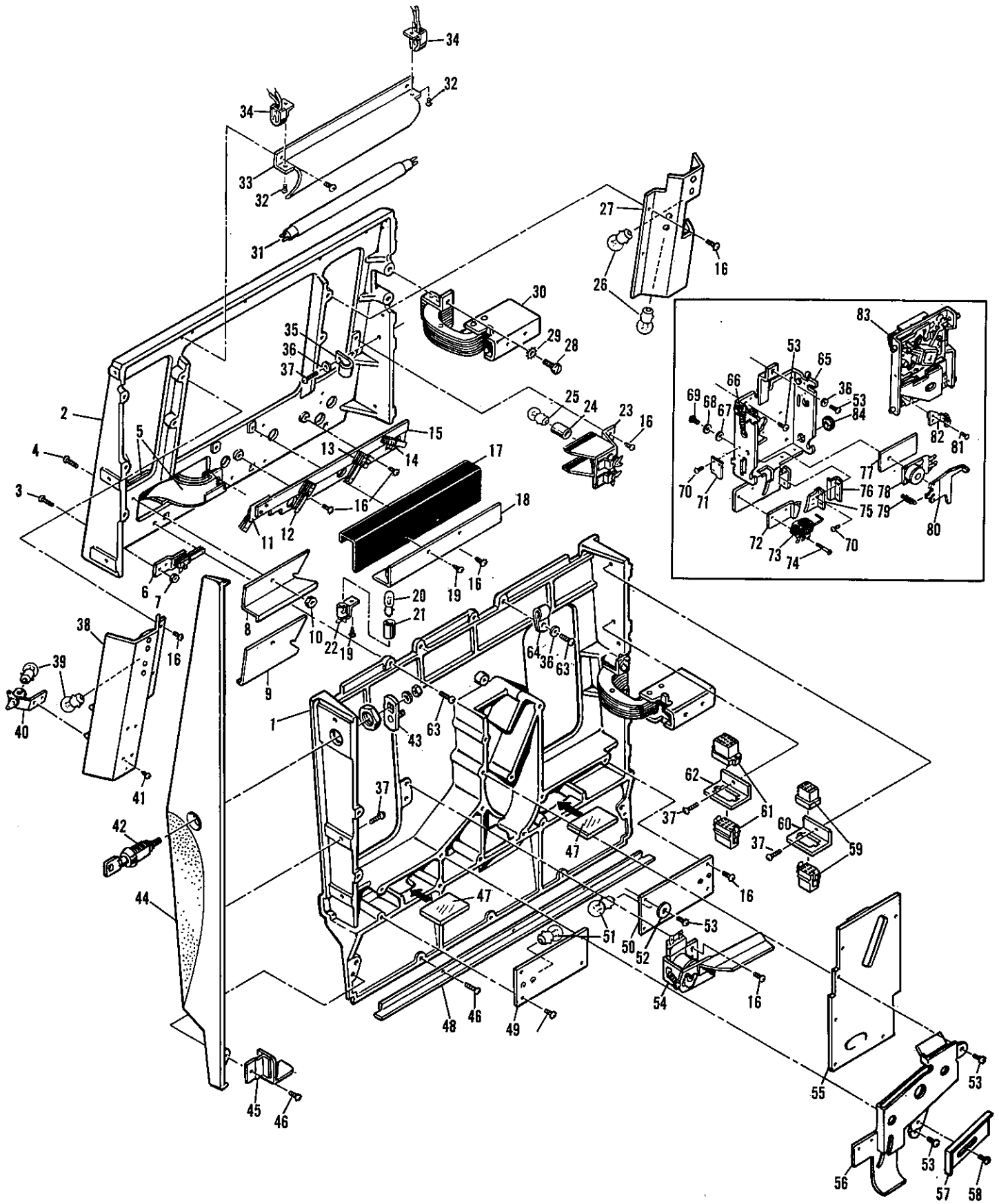
Index No.	Part No.	Description	No. Req.
		Note: Take note of the new 20, 22 & 25 Stop Light Baffles (interchangeable with older units) which limit reel symbol exposure (Index No.'s 13 & 44).	
		Important: When installing Reel Glass Lighting Units, Baffles & Light Shields that fit close to the glass itself - cushion all leading edges of metal parts with Black Electrical tape. This will prevent scratching the painted surface (screened colors) on the Reel Glass. The Reel Glass is an expensive item & scratches can ruin the appearance.	
1	C-854	Lower Door Frame - Die Cast (std.)	1
	C-654-1	Lower Door Frame - Old Style Sand Cast	As Req.
		Note: For large coins 50¢, \$1.00 etc. the frame must be altered - payout clearance.	
2	C-859	Upper Door Frame - Die Cast (std.)	1
	C-659-1	Lower Door Frame - Old Style Sand Cast	As Req.
	C-659-4	Lower Door Frame - Old Style Sand Cast (808 & 831)	As Req.
3	LSPR-00832-1112	Screw (mtg. coin slide & shield)	1
4	AS-2342	Coin Slide (regular)	1
	AS-2342-1	Coin Slide (Lg. Coins - 50¢ +)	As Req.
	SP-200-166	Compression Spring	1
5	7119-1	Coin Ramp Shield	1
6	C-271-2	Cable Clip	1
7	PW-008-12	Washer	1
8	N-00832-2112	Nut	1
9	P-7576	Light Socket Plate	1
10	E-120-132A	Socket	3
11	LSPR-00832-1104	Screw	30
12		Coin Denomination Label (taped on inner Reel Window Glass)	1
13	A-2937-5	Light Baffle Assy. (20 stop Stop)	1
	A-2937-6	Lt. Baffle Assy. (22 stop)	1
	A-2937-7	Lt. Baffle Assy. (25 stop)	1
14	P-7784	Reel Mask Mtg. Brkt.	1
15	SAPB-00600-1104	Screw	2
16	E-125-6	Lt. Bulb #63 (insert coin)	1
17	E-125-6	Lt. Bulb #63 (coin accepted)	1
18	E-125-6	Lt. Bulb #63 (winner paid)	1
19	P-6553	Lt. Shield & Mtg. Brkt.	1
20	E-108-97	Push Button Sw. (change/ service)	As Req.
21	LSPR-00832-1110	Screw (w/clip)	3
	MSPB-00832-1108	Screw (frame)	9
22	PW-008-12	Washer	1
23	C-271-8	Cable Clip	1
24	A-2875	Hinge Assembly	2
25	M-1700-4	Lock Washer	4
26	MSSB-25020-1108	Screw	4
		Note: Index No.'s 27- & 28 comprise the Jackpot Info. Lite-Up Unit, #AS-2360-29 (std. on single pay line units).	
27	E-125-6	Light Bulb #63	2
28	A-2938-4	Light Shield & Assy.	1
	C-760	Cable Clip	2
	SZSR-00600-1104	Screw (clip)	2

Index No.	Part No.	Description	No. Req.
		Note: Index No.'s 29 - 34 comprise the "5 Line Pay" - Line Lite-Up Unit, #AS-2402-11 (Model 873 & 922).	
29	A-2938-27	Light Shield Assy.	1
	R-134-22	Rubber Channel	6
30	SZPB-00600-1104	Screw	5
31	E-120-134	Lamp Socket	6
32	C-716	Insulator Bushing	6
33	E-125-5	Lt. Bulb #55 (5 line steps)	5
34	E-125-5	Lt. Bulb #55 (winner paid)	1
		Note: Index No.'s 35-39 comprise the "3 Line Pay" - Line Lite-Up Unit, #AS-2402-1 (Model 831 & 889).	
35	A-2938-12	Light Shield Assy.	1
	R-134-22	Rubber Channel	2
36	SZPR-00600-1104	Screw	3
37	E-120-134	Lamp Socket	3
38	C-615-1	Insulator Bushing	3
39	E-125-22	Lt. Bulb #44 (3 line steps)	3
		Note: Index No.'s 40-42 comprise the "Tilt & Winner Paid" Lite-Up Unit #AS-2360-6 (this unit replaces Index No.'s 10, 18, 19).	
40	A-3096	Lt. Shield Assy.	1
	R-134-20	Rubber Channel	2
41	C-716	Insulator Bushing	2
42	E-125-5	Lt. Bulb #55	2
		Note: Index No.'s 43-45 comprises the Fluorescent Light Brkt. Assy., #AS-2334-13 (20 stop), #AS-2334-14 (22 stop), #AS-2334-15 (25 stop).	
43	E-120-119	Socket	2
	LSPR-00632-1103	Screw (sockets)	2
44	P-7786	Reel Mask - 20 stop	1
	P-7786-1	Reel Mask - 22 stop	1
	P-7786-2	Reel Mask - 25 Stop	1
45	E-412-6	Fluor. Tube - White (Sylv. F6TS/CW)	1
	E-412-8	Fluor. Tube - Black-Lite	As Req.
46	A-1388-50	Slug Rejector Mtg. Assy. (std.)	1
	A-1388-35	Slug Rej. Mtg. Assy. (use on Hopper w/Auger Over flow Hopper)	As Req.
47	M-1400-Series	Slug Rej. (specify coin denomination & country)	1
48	A-3300-1	Anti-Stringing Knife	1
49	LSPR-00632-1105	Screw	1
50	P-2958-11	Coin Lockout Armature (w/o side sw.)	1
	P-2861-23	Coin Lockout Armature (w/index No. 63)	1
	P-2958-10	Coin Lockout Armature (coins over 1.1" w/o side sw.)	As Req.
	P-2861-25	Coin Lockout Armature (coins over 1.1" w/ index no. 63)	As Req.
51	M-37-2700	Lockout Coil	1
52	P-150-71	Insulator	1
53	SP-199-16	Extension Spring	1
54	R-111-8	Grommet	1
55	LSPR-00832-1105	Screw	4
56	PW-008-12	Washer	1
57	SP-148	Latch Spring	2
58	P-2552	Extruded Washer	1
59	PW-008-12	Washer	1
60	LS 00832-1106	Screw	1

61	LSPR-00540-1103	Screw	4
62	P-6692-1	Plate	1
63		Trapped Coin Safety Armature Switch	As Req.
64	P-1973-133	Adjust. Link	1
65	P-6692	Switch Mtg. Brkt.	1
66	LSPR-00540-1103	Screw	2
67	MSSR-00440-1109	Screw	2
68	E-108-91	Armature Switch	1
69	M-1369-1	Set Screw	1
70	P-6694	Coin Guide (std.)	1
	P-6694-1	Coin Guide (coins over 1.1" dia.)	As Req.
71	E-108-92	Coin Sw. (5¢ & heavier coins)	1
	E-108-98	Coin Sw. (very lt. coins, 10¢ etc.)	As Req.
72	MSSR-00440-1112	Screw	2
73	P-6695	Coin Guide	1
74	P-6431-Series	Coin Guide Spacer (specify coin denom. & country - not used on coins over 1.1" dia.)	1
75	MSSR-00440-1110	Screw	2
76	E-108-92	Ramp Sw. (5¢ & heavier coins)	1
	E-108-98	Ramp Sw. (very lt. coins 10¢ etc.)	As Req.
77	MSPT-00832-1104	Screw	1
78	P-6702	Coin Ramp (adjust to coin size)	1
79	A-3376-1	Coin Rundown Assy. (replaces old 3 piece unit)	1
80	A-3207	Cover Plate Assy.	1
81	C-479-14	9 Pt. Plug (top sec.)	1
	C-479-13	9 Pt. Plug (bot. sec.)	1
	E-535-1	Pin Connector	18
82	P-6450-1	Plug Mtg. Brkt.	1
83	C-479-6	12 Pt. Plug (top sec.)	1
	C-479-5	12 Pt. Plug (bot. sec.)	1
	E-535-1	Pin Connector	24
84	P-6450-2	Plug Mtg. Brkt.	1
85	E-125-6	Lt. Bulb #63 (coin cup lite)	2
86	P-801-107	Washer	1
87	A-2925-1	Lt. Mtg. Assy.	1
88	AS-2517-9	Coin Diverter Assy.	1
	FE-33-2600	Coil	1
89	A-2925	Light Mtg. Assy.	1
90	MSPB-00832-1108	Screw (coin cup)	5
91	P-6665-75	Bottom Door Shield	1
92	G-348	Lower Glass Window (coin cup)	2
93	MSPB-00832-1108	Screw	2
94	A-3165	Corner Guard (illust.)	1
	A-3165	Corner Guard (opposite side)	1
		Note: These corner units have been replaced by a new corner shield installed in the cabinet corners (#P-6665-337).	
95	C-657-2	Door Frame - Lock Side	1
	C-657-3	Door Frame - Opposite Side	1
96	M-281-40	Lock + Hardware	1
97	A-2930	Lock Cam	1
98	LSPR-00832-1110	Screw	2
99	PW-008-12	Washer	1
100	C-271-7	Cable Clip	1
101	AS-2360-33	Payout Schedule Lite-Up Unit	1
	C-760	Cable Clip	2
	SZPB-00600-1104	Screw (clip)	2
102	E-125-6	Lt. Bulb #63	2

FRONT DOOR ASSEMBLY - P. II

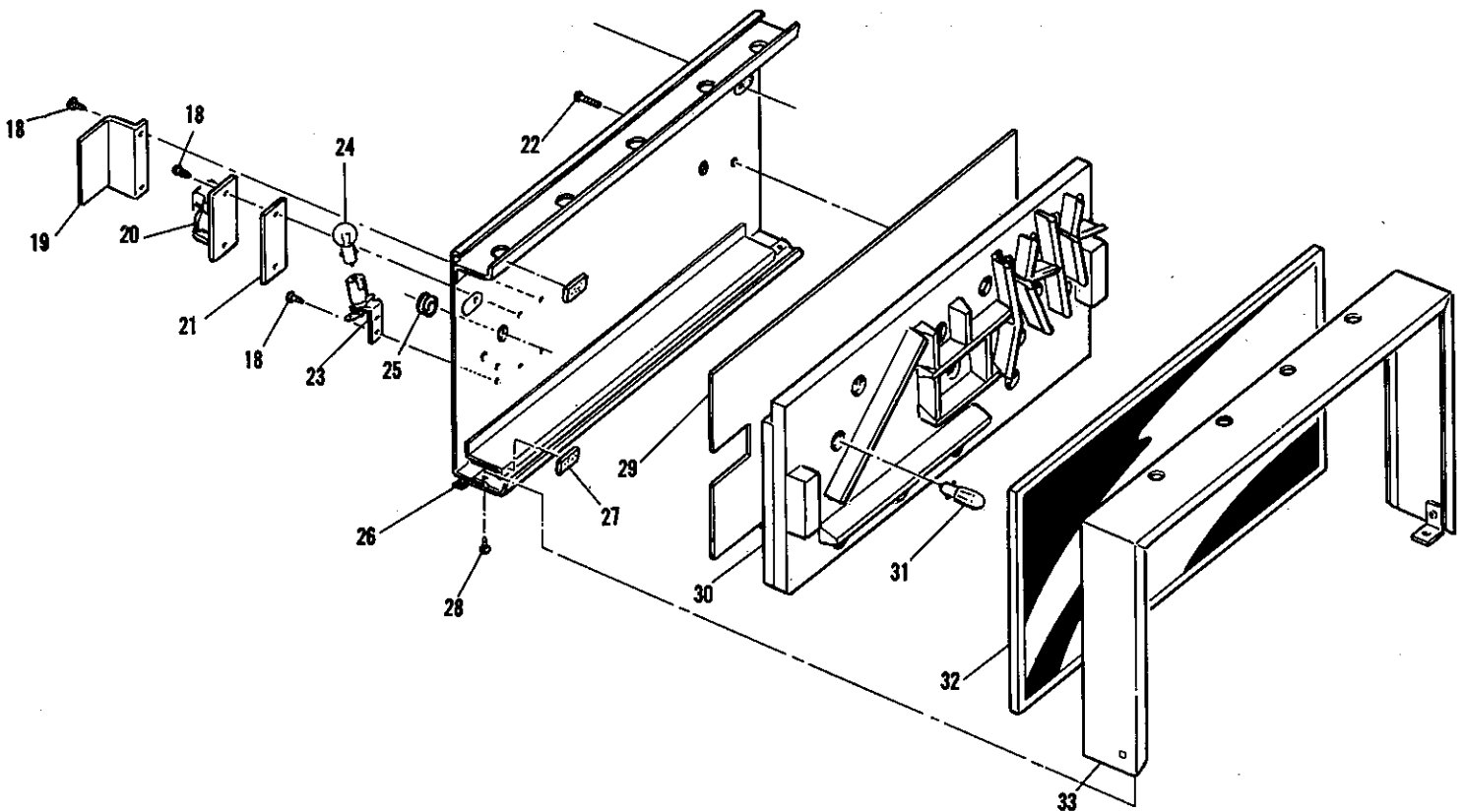
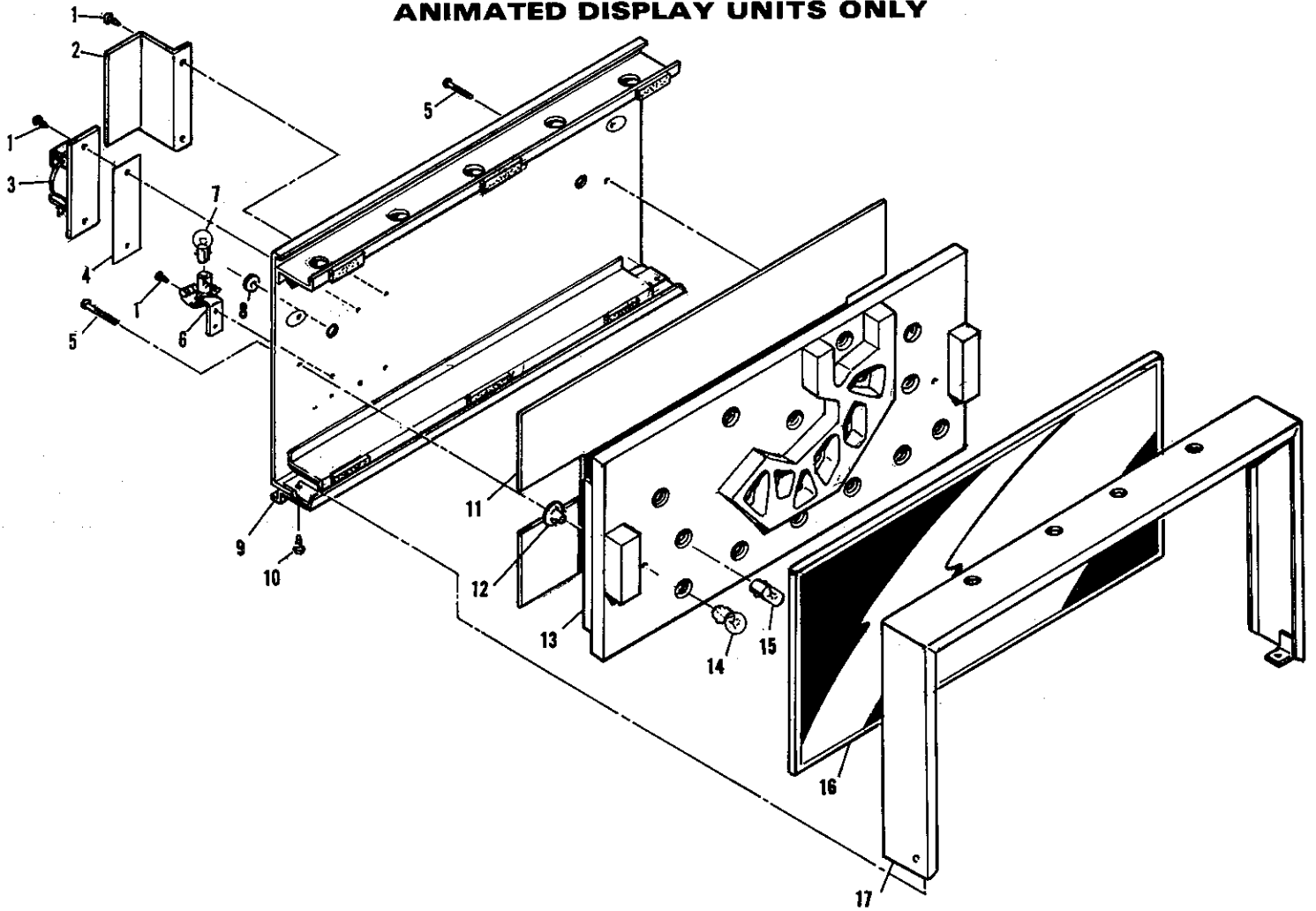
HOLD & DRAW STYLE



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

FRONT DOOR DISPLAY UNIT

ANIMATED DISPLAY UNITS ONLY



FRONT DOOR DISPLAY UNIT

ANIMATED DISPLAY UNITS ONLY

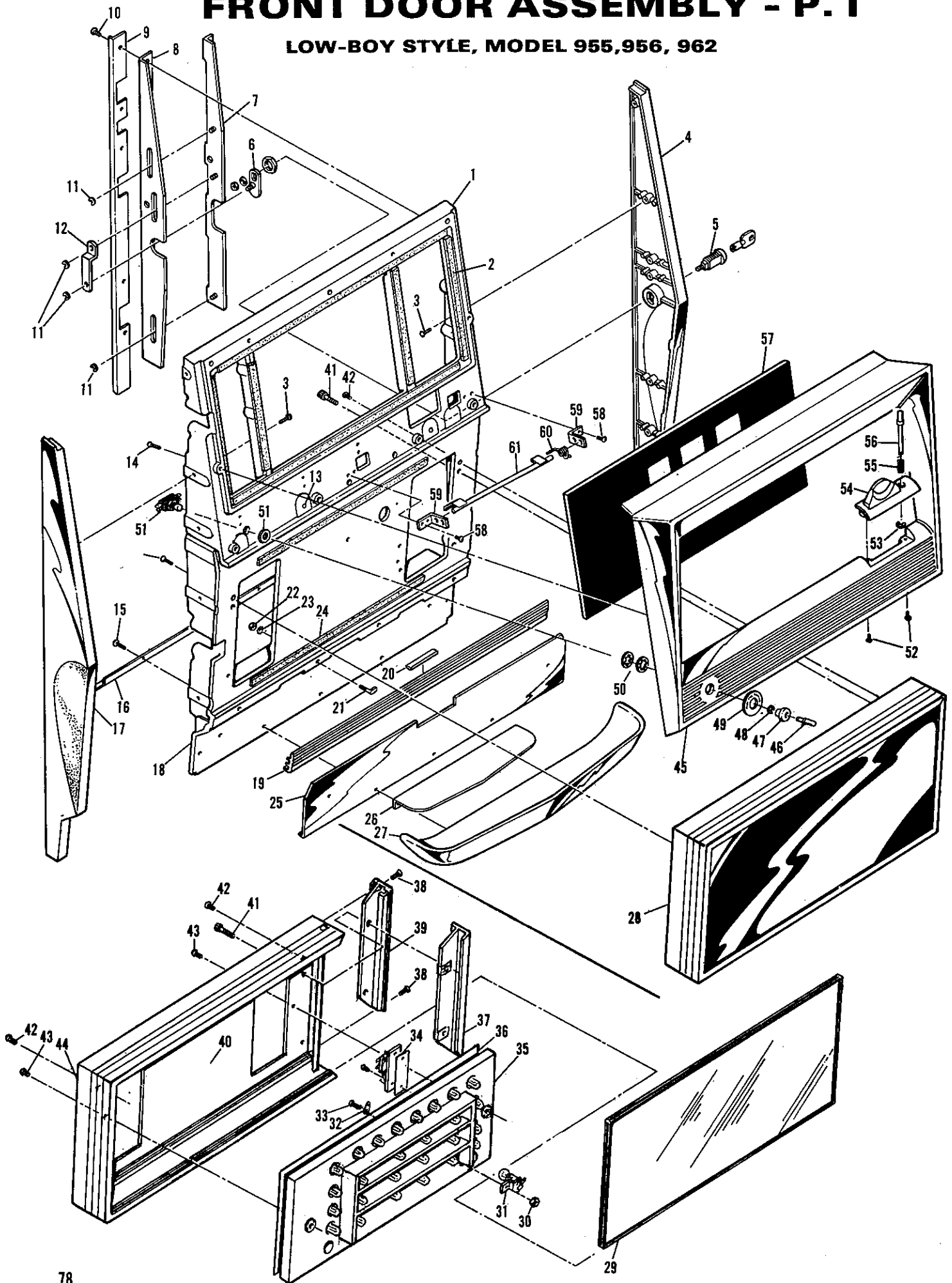
Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: Index No.'s 1-17 comprise the "Mustang" (Game #903) Animated Display Unit, #AS-2358-16.				18	SAPB-00600-1103	Screw, #6 x 3/16" Long Self Tap	6
1	SBPB-00600-1106	Screw, #6 x 3/16" Long Self Tap	6	19	P-6442-16	Flasher Relay Guard . .	1
2	P-6442-16	Flasher Relay Guard . .	1	20	E-184-242	"S" Relay	1
3	E-184-242	"S" Relay	1	21	P-150-87	Insulator	1
4	P-150-87	Insulator	1	22	MSPR-00832-1116	Screw (tee nut)	2
5	MSPR-00832-1116	Screw	2	23	E-120-135	Socket (relay flasher) . .	1
6	E-120-135 E-105-122	Socket (relay flasher) . . Resistor (1/2 Watt - 100 Ohm)	1 1		E-150-122	Resistor (1/2 Watt, 100 Ohm)	1
7	E-125-56	Flasher Bulb	1	24	E-125-56	Flasher Bulb	1
8	R-111-8	Rubber Grommet	1	25	R-111-8	Rubber Grommet	1
9	A-2983-4 R-221-32	Glass Retainer Assy. . . Sponge Rubber Strip As Req'd	1	26	A-2983-4	Glass Retainer Assy. . . .	1
10	SAPB-00400-1104	Screw, #4 x 1/4" Lg. Sheet Metal	2	27	R-221-32	Sponge Rubber Strip As Req'd	
11	P-150-110	Insulator	1	28	SAPB-00400-1104	Screw, #4 x 1/4" Long Sheet Metal,	2
12	M-108-9	Tee Nut	2	29	P-150-110	Insulator	1
13	A-3400-74	Insert & Lamp Socket Assy.	1	30	A-3400-18	Insert & Lamp Socket Assy.	1
14	E-125-44	Flasher Bulb (G. E. #455)	5		P-5090-3	Light Shield	1
15	E-125-22	Light Bulb (G. E. #44) . .	13		P-5090-4	Light Shield	2
16	G-350-234	Display Glass ("Mustang")	1		P-6665-64	Light Shield	1
17	A-3160	Retainer Base Assy. . .	1		P-6665-65	Light Shield	1
					R-134-22	Rubber Channel	As Req'd
					M-108-9	Insert Tee Nut	2
				31	E-125-22	Light Bulb - #44	17
					E-125-44	Flasher Bulb (G. E. #455) .	3
				32	G-350-132	Display Glass ("Quick Draw")	1
				33	A-3160	Retainer Base Assy. . . .	1

Note: Index No.'s 18-33 comprises the "Quick Draw" (Model #802) Animated Display Unit, #AS-2358-5.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

FRONT DOOR ASSEMBLY - P. I

LOW-BOY STYLE, MODEL 955, 956, 962

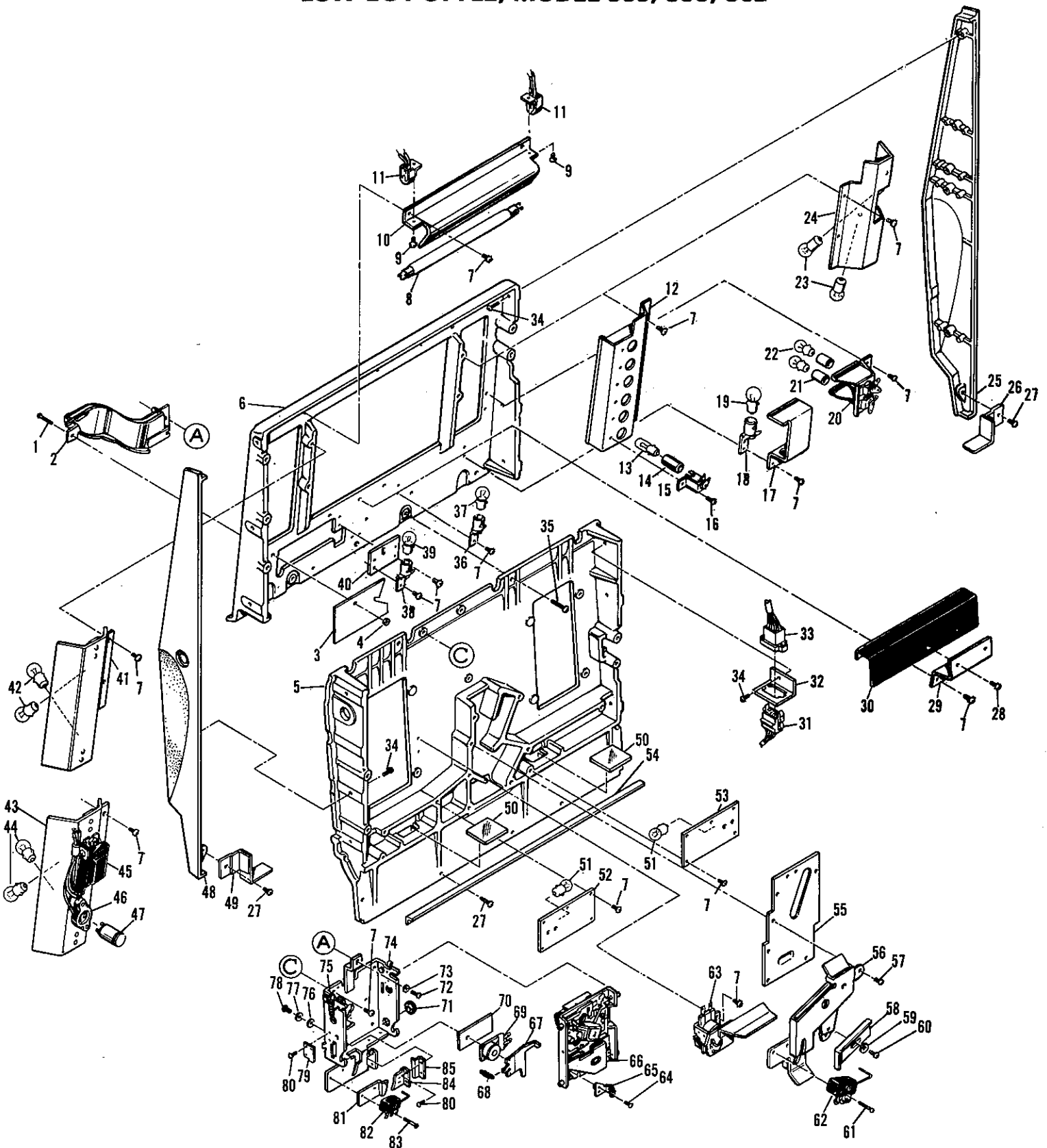


FRONT DOOR ASSEMBLY - P. I

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: The new "Low Boy" Series of Special Feature 3 Reel Games (i. e. #955, 956 & 962) has the entire mechanism encased in a standard 4 Reel type cabinet (similar to game 815). The feature mechanism has been condensed and placed to the left of the reel mechanism & to the rear of the coin diverter.</p> <p>The new Feature Glass has been moved to the display case location. This new Display Case with the multiple coin feature light-up is the primary change to the std. 4 Reel type door.</p>				32	P-405-31	Terminal	1
				33	MSPT-00832-1112	Truss Hd. Screw	1
				34	E-184-242	"S" Relay	1
					P-150-87	Insulator	1
					WSPR-00600-1108	Wood Screw	2
				35	A-3400-133	Insert & Lamp Socket Assy Assembly (Model 955)	1
					A-1653-1	Lamp Socket Assy.	43
					E-125-2	Light Bulb (#47)	43
					A-3400-134	Insert & Lamp Socket Assy. (Model 956)	1
					A-1653-1	Lamp Socket Assy.	12
					E-125-2	Light Bulb (#47)	12
					A-3400-110	Insert & Lamp Socket Assy. (Model 962)	1
					A-1653-1	Lamp Socket Assy.	26
					E-125-2	Light Bulb (#47)	26
1	C-1059	Upper Door Frame (die-cast type)	1	36	P-150-114	Insert Insulator (stapled)	1
2	R-380	Sponge Rubber Strip As Req.		37	C-863-2	Frame Side	1
3	MSPB-00832-1108	Binding Hd. Screw	20		M-298-12	Speed Nut	2
4	C-657-2	Door Frame - Right	1	<p>Note: To remove the Feature Glass while the Unit is on the Door remove the two Bolts (Index #41 - inside Door) remove Frame Side & slide Glass out.</p>			
5	M-281-40	Lock Unit	1	38	SFPF-00832-1112	Flat Hd. Screw	2
6	A-2930	Lock Cam	1	39	C-863-1	Frame Side	1
7	A-2928	Lock Slide Assy.	1	<p>Note: To remove the Backing Plate (Index No. 39) The Frame Side must be removed (slides out).</p>			
8	P-6428	Lock Slide Guide	1	40	P-6572-14	Backing Plate (retain base)	1
9	P-7120	Lock Slide Door Guide.	1	41	CSAE-01024-1128	Allen Hd. Bolt	2
10	MSPT-00832-1104	Truss Hd. Screw	5	42	MSPT-00832-1110	Screw (to Door).	2
11	P-6416-4	Retaining Ring	4	43	LSPR-00832-1114	Screw (Insert)	2
12	P-6427	Lock Crank	1	44	C-863	Frame	1
13	LSPR-00832-1112	Screw (shown installed)	2	45	C-780-1	Chrome Window Frame (plain ribbed front - no buttons)	1
14	MSPT-00832-1112	Truss Hd. Screw	9		C-780-4	Chrome Window Frame (as shown)	1
15	LSPR-00832-1108	Screw (shield & coin cup)	5	46	S-286-24	Push Button	1
16	P-6665-94	Bottom Door Shield	1	47	S-287-8	Button Housing	1
17	C-657-3	Door Frame - Left	1	48	P-448-1	Snap Washer	1
18	C-1054	Lower Door Frame	1	49	M-1376	Instruction Disc - Service	1
19	C-660-6	Extruded Trim (std.)	1	50	P-3389-2	Retaining Ring	2
	C-660-7	Extruded Trim (coins over 31/32" in Dia.)	As Req.	51	E-108-97	Push Button Sw. & Retainer	1
20	P-1925-164	Filler Plate	1	52	LSPR-00832-1108	Screw	2
21	M-606-41	Weld Screw	4	53	P-448-1	Snap Washer	1
22	N-01024-2112	Nut	4	54	C-674-Series	Coin Drop Casting (specify coin denom. & country)	1
23		#10 Lockwasher	4	55	SP-200-38	Compression Spring	1
24	R-221-43	Sponge Rubber Strip As Req.		56	A-3085	Scavenger Button	1
25	P-6441-6	Trim Panel	1	57	G-349-Series	Reel Glass (specify complete Model No.)	1
26	P-7209	Coin Cup Guard Plate	1	58	LSPR-00832-1104	Screw	4
27	C-655	Coin Cup	1	59	P-6426	Scavenger Brkt.	2
28	AS-2358-Series	Display Case & Lite-Up Unit (Specify Complete Model No.)	As Req.	60	SP-399-9	Torsion Spring	1
<p>Note: Index No.'s 28-43 are component parts of the display case & light-up unit. This illustration covers Models 955, 956 & 962 (Model 962 is illustrated).</p>				61	A-2929	Scavenger Lever	1
29	G-359-Series	Display Glass - Blk. Elec. Tape around edge (Specify Complete Model No.)	1				
<p>Note: Index No.'s 30-34 is the Flasher Unit which indicates the winning pay line on Model 955 & 962. On Model 955 this Unit is located on the upper left side of the Cabinet.</p>							
30	N-00832-2112	Nut	1				
31	E-120-134	Lamp Socket	1				
	E-125-44	Flasher Bulb (#455)	1				

FRONT DOOR ASSEMBLY - P. II

LOW-BOY STYLE, MODEL 955, 956, 962



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

FRONT DOOR ASSEMBLY - P. II

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
1	LSPR-00832-1112	Screw	1	27	LSPR-00832-1108	Screw	As Req.		P-2925-1	Plate	1
2	AS-2342	Coin Slide	1	28	SAPB-00600-1104	Screw	2		LSPR-00832-1104	Screw	2
	AS-2342-1	Coin Slide - Lg. Coins (50¢ etc.)	As Req.	29	P-7784	Reel Mask Mtg. Brkt.	1	54	P-6665-94	Bottom Door Shield	1
3	P-7119-1	Coin Ramp Shield	1	30	A-2937-21	Lt. Baffle - 20 Stop	1	55	A-3207	Cover Plate Assy.	1
4	N-00832-2112	Nut	1		A-2937-20	Lt. Baffle - 22 Stop	1	56	A-3376-1	Coin Rundown Assy.	1
5	C-1054	Lower Door Frame (Die Cast).	1		A-2937-23	Lt. Baffle - 25 Stop	1	57	LSPR-00832-1105	Screw	1
6	C-1059	Upper Door Frame (Die Cast).	1	31	C-479-6	12 Pt. Socket	1	58	P-6702	Coin Ramp Side (adjust to coin size).	1
7	LSPR-00832-1104	Screw	30		C-479-14	9 Pt. Socket	1	59	PW-008-12	Washer	1
8	E-412-6	Fluor. Tube - White	1		E-535-1	Connector Pin	9-12	60	MSPT-00832-1104	Screw	1
	E-412-8	Fluor. Tube - Black Lite	As Req.	32	P-6450-2	Socket Mtg. Brkt. 12 Pt.	1	61	MSSR-00440-1110	Screw	2
9	LSPR-00632-1103	Screw	2		P-6450-1	Socket Mtg. Brkt. 9 Pt.	1	62	E-108-92	Ramp Sw. (total in meter) Ramp Sw. - 10¢ & Lighter Coins	As Req.
10	P-7786	Reel Mask - 20 Stop	1	34	MSPB-00832-1108	Screw	20	63	AS-2517-9	Coin Diverter Assy.	1
	P-7786-1	Reel Mask - 22 Stop	1	35	LSPR-00832-1112	Screw	2		FE-33-2600	Coil	1
	P-7786-2	Reel Mask - 25 Stop	1	36	E-120-132	Light Socket	1	64	LSPR-00632-1106	Screw	1
11	E-120-119	Fluor. Socket	2	37	E-125-6	Lt. Bulb #63 (coin accepted)	1	65	A-3300-1	Anti-Stringing Assy.	1
	Note: Index No.'s 12-16 are the 3 & 5 Line Pay-Line Lite-Up Unit. 5 lite units are used on the 5 Line Pay & 3 units used on the 3 Line Pay. On Model 962 this unit is used as a left side reel mask only (no lites).			38	E-120-132	Light Socket	1	66	M-1400-Series	Slug Rejector (specify coin denomination & country)	1
12	A-2938-28	Light Shield Assy.	1	39	E-125-6	Light Bulb #63 (insert coin)	1	67	P-2958-11	Coin Lockout Armature	1
	R-134-23	Rubber Channel (edge protected)	1	40	P-7576-1	Light Socket Plate	1		P-2958-10	Coin Lockout Armature - Large Coins (50¢ etc.)	As Req.
13	E-125-22	Light Bulb #44	3-5	41	AS-2360-33	Payout Schedule Lite-Up Unit	1	68	P-199-16	Extension Spring	1
14	C-615-1	Insulator	3-5		C-760	Cable Clip	2	69	M-37-2700	Lockout Coil	1
15	E-120-146	Lamp Socket	3-5		SZPB-00600-1104	Screw	2	70	P-150-71	Insulator	1
16	SAPB-00600-1104	Screw	3-5	42	E-125-6	Light Bulb #63	2	71	R-111-8	Rubber Grommet	1
	Note: On all Light Shield Units use Black Electrical Tape on the leading metal edges to prevent scratching the fragile screened Reel Glass.							72	LSPR-00832-1105	Screw	1
17	P-6553	Light Shield	1					73	PW-008-12	Washer	1
18	E-120-132	Light Socket	1					74	A-1388-50	Slug Rej. Mtg. Assy.	1
19	E-125-6	Light Bulb #63 (winner paid)	1					75	SP-148	Latch Spring	2
	Note: Index No.'s 20-22 is the Tilt & Winner Paid Unit #AS-2360-6. This Unit replaces Index No.'s 17-19 on certain games.			43	A-2938-19	Light Brkt. Assy.	1	76	P-2552	Extruded Washer	1
20	A-3096	Light Shield Assy.	1	44	E-125-6	Light Bulb #63	2	77	PW-008-12	Washer	1
	R-134-20	Rubber Channel	2	45	E-409-1	Ballast	1	78	LSPR-00832-1106	Screw	1
21	C-716	Insulator Bushing	2		C-271-4	Cable Clip	1	79	P-6692-1	Plate	1
22	E-125-5	Light Bulb #55	2		LSPR-00632-1106	Screw	3	80	LSPR-00540-1103	Screw	4
	Note: Index No.'s 23-24 is the J.P. Info Lite-Up Unit, #AS-2360-29.				N-00632-2112	Nut	3	81	P-6694	Coin Guide - Reg.	1
23	E-125-6	Light Bulb #63	2	46	E-120-120	Starter Socket	1		P-6694-1	Coin Guide - Lge. Coins (50¢ etc.)	As Req.
24	A-2938-4	Light Shield Assy.	1		LSPR-00632-1108	Screw	2	82	E-108-92	Coin Switch - Reg.	1
25	C-657-3	Door Frame	1	47	E-411-4	Fluor. Starter	1		E-108-98	Coin Sw. - Lt. Coins (10¢ etc.)	As Req.
26	A-3165-1	Corner Guard (replaced by new rigid guard in lower cabinet corners #P-6665-337	1		E-411-7	Fluor. Starter - Plastic Case (Australia - Europe)	As Req.	83	MSPR-00440-1112	Screw	2
				48	C-657-2	Door Frame	1	84	P-6695	Coin Guide	1
				49	A-3165	Corner Guard (See Index No. 26)	1	85	P-6431-Series	Coin Guide Spacer (specify coin denomination & country - not used on 50¢ games)	1
				50	G-348	Glass (coin cup Lt. -Up)	2				
				51	E-125-6	Light Bulb #63	2				
					E-120-132	Light Socket	1				
					P-2925	Plate	1				
					LSPR-00832-1104	Screw	2				
				52	A-2745	Light Mtg. Assy.	1				
				53	A-2745-1	Light Mtg. Assy.	1				
					E-120-132	Light Socket	1				

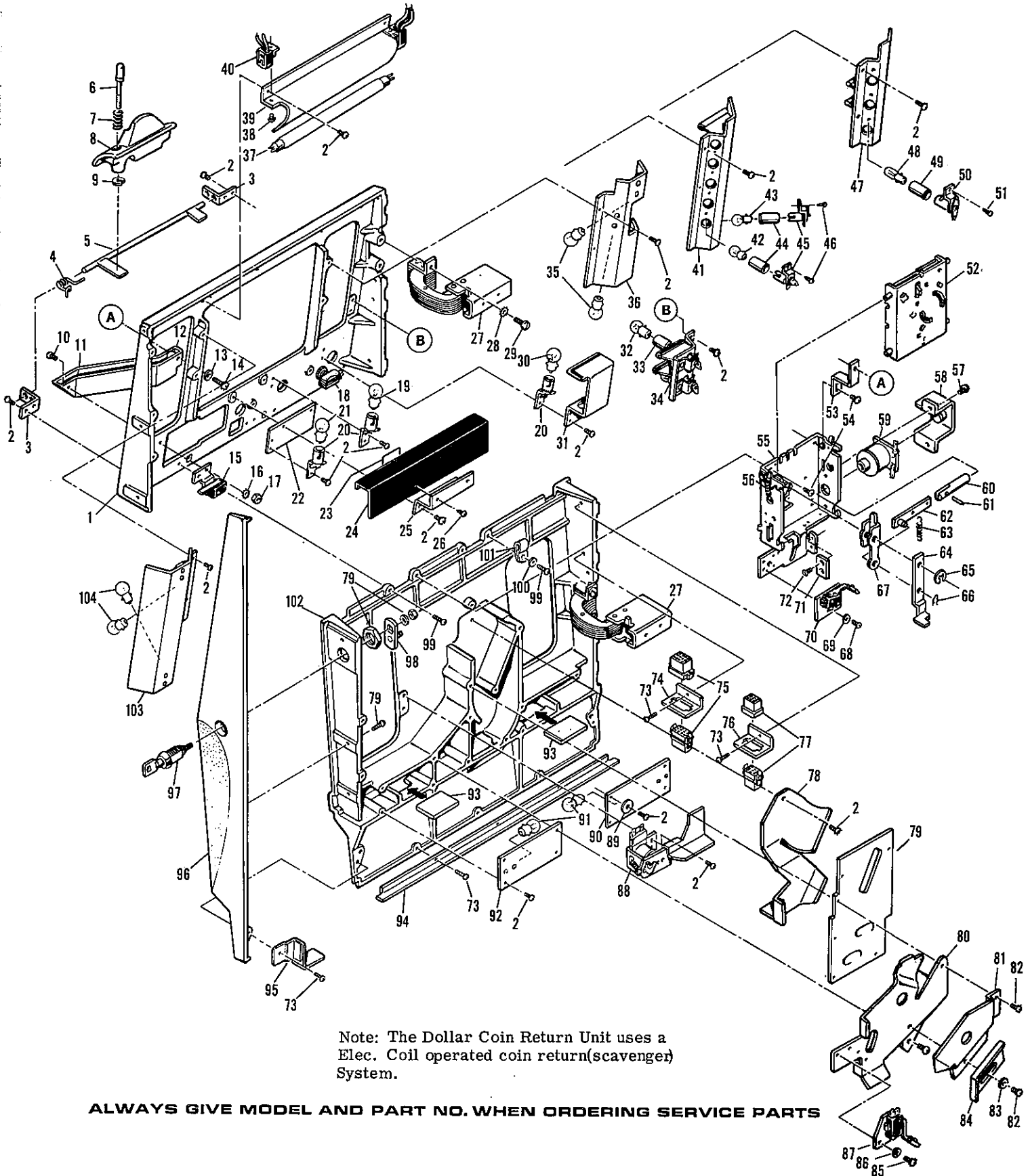
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

Index No.	Part No.	Description	No. Req.
Note: This Illustration & accompanying information will give you the complete parts Picture on the American \$1.00 Slot Machine.			
Note: Modifications to the Payout Hopper include the following parts (refer to the Payout Hopper Unit - P.I. exploded view).			
	AS-2304-10	Hopper Disc Assy. (\$1.00)	1
	A-2884-5	Hopper Ring & Scoop Assy. (\$1.00)	1
	A-2895-1	Coin Kicker & Pin Assy. (\$1.00)	1
Note: \$1.00 Slot Machines have a direct machine payout of only 20 coins. On higher J.P. type awards the Machine locks up & the J.P. balance is paid by an attendant. These Machines have a Service Button to summons the attendant on the upper Chrome Reel Frame Front. This special Chrome Reel Frame & Service Button (not illustrated) has the following Part No. 's (Note: Index No. 18).			
	C-658-5	Window Frame	1
	M-1376	Instr. Disc	1
	S-286-24	Push Button	1
	P-3389-2	Retaining Ring	1
	S-287-8	Button Housing	1
	P-6316-6	Retaining Ring	2
1	C-859-5	Upper Door Frame	1
2	LSPR-00832-1104	Screw	As Req.
3	P-6426	Scavenger Brkt.	2
4	SP-399-9	Return Spring	1
5	A-2929-1	Scavenger Lever (micro-switch)	1
Note: Index No. 's 6-9 is the \$1.00 Coin Drop Assembly.			
6	A-3085	Coin Return Button	1
7	SP-200-38	Compression Spring	1
8	C-674-17	Coin Drop Casting	1
9	P-448-1	Retaining Ring	1
10	LSPR-00832-1112	Screw	1
11	A-2957-7	Coin Slide Assy.	1
12	S-231-631	Bushing	1
13	P-801-14	Washer	1
14	LSPR-00832-1110	Screw	1
15	AS-2382-2	Coin Return Micro switch unit (specify Die Cast or Sand Cast frame)	1
	E-108-91	Micro-Switch	1
	P-6799-1	Brkt. (Die Cast type)	1
	P-6799	Brkt. (Sand Cast type)	1
		As Req.	
16		#8 Lockwasher	1
17	N-00832-2112	Nut	1
18	E-108-97	Push Button Sw.	1
19	E-125-6	Lt. Bulb #63 (coin accepted)	1
20	E-120-132	Socket	3
21	E-125-6	Lt. Bulb #63 (insert coin)	1
22	P-7576	Socket Brkt.	1
23		Coin Denomination Label (taped to reel glass)	1
24	A-2937-5	Lt. Baffle Assy. (20 stop)	1
	A-2937-6	Lt. Baffle Assy. (22 stop)	1
	A-2937-7	Lt. Baffle Assy. (25 stop)	1

Index No.	Part No.	Description	No. Req.
25	P-7784	Reel Mask Mtg. Brkt.	1
26	SAPB-00600-1104	Screw	2
27	A-2875	Hinge Assy.	2
28	M-1700-4	Lockwasher	4
29	MSSB-25020-1108	Screw	4
30	E-125-6	Lt. Bulb #63 (winner, paid)	1
31	P-6553	Light Shield	1
Note: Black Electrical Tape is installed on all leading edges of Light Brkt.'s to prevent scratching of the screened Reel Glass.			
Note: Index No.'s 32-34 is the "Tilt & Winner Paid" Lite-Up Unit, #AS-2360-6 (replaces Index No.'s 10, 30, 31).			
32	E-125-5	Light Bulb #55	2
33	C-716	Insulator Bushing	2
34	A-3096	Light Shield Assy.	1
Note: Index No.'s 35-36 is the J.P. Info. Lite-Up Unit, #AS-2360-29.			
35	E-125-6	Light Bulb #63	2
36	A-2938-4	Light Shield Assy.	1
	C-760	Cable Clip	2
	SZPB-00600-1104	Screw	2
Note: Index No.'s 37-40 is the Fluor. Light Brkt. Assy. #AS-2334-13 (20 stop), #AS-2334-14 (22 stop), #AS-2334-15 (25 stop).			
37	E-412-6	Fluorescent Tube - White	1
	E-412-8	Fluor. Tube - Black Lite	As Req.
38	LSPR-00632-1103	Screw	2
39	P-7786	Reel Mask - 20 stop	1
	P-7786-1	Reel Mask - 22 Stop	1
	P-7786-2	Reel Mask - 25 Stop	1
40	E-120-119	Fluor. Socket	2
Note: Index No.'s 41-46 is the "5 Line Pay" Lite-Up Unit, #AS-2402-11.			
41	A-2938-27	Light Shield Assy.	1
	R-134-22	Rubber Channel	6
42	E-125-5	Light Bulb #55 (5 Line Steps)	5
43	E-125-5	Lt. Bulb #55 (winner paid)	1
44	C-716	Insulator Bushing	6
45	E-120-134	Lamp Socket	6
46	SZPB-00600-1104	Screw	6
Note: Index No.'s 47-51 is the "3 Line Pay" Lite-Up Unit, #AS-2402-1.			
47	A-2938-12	Light Shield Assy.	1
48	E-125-22	Lt. Bulb #44 (3 line steps)	3
49	C-615-1	Insulator Bushing	3
50	E-120-134	Lamp Socket	3
51	SZPB-00600-1104	Screw	3
Note: Index No.'s 52-72 is the One Dollar Slug Rejector Mechanism.			
52	A-3074	Slug Rejector Assy. (\$1.00)	1
53	P-6442-3	Coin Slide Mtg. Brkt.	1
54	LSPR-00832-1105	Screw	3
55	A-1388-38	Rejector Mtg. Assy.	1
56	SP-148	Extension Spring	2
57	LSPR-00832-1104	Screw	2
58	A-613-82	Core Plug & Mtg. Brkt.	1
59	CD-29-1600	Solenoid	1
60	S-496-160	Plunger	1
61	P-1637-43	Roll Pin	1
62	A-3073	Link Assembly	1
63	SP-100-30	Extension Spring	1
64	P-6837	Scavenger Arm	1

Index No.	Part No.	Description	No. Req.
65	P-2891-5	Retaining Ring	1
66	M-254	Hair Pin Retainer	1
67	A-3076	Pivot Arm Assy.	1
68	LSPR-00440-1103	Screw	2
69	PW-004-12	Washer	2
70	AS-2382-1	Coin Switch Unit	1
	E-108-104	Micro-Sw.	1
	A-3068-1	Sw. Actuator	1
	P-6804	Bracket	1
	MSSR-00440-1110	Screw	1
71	P-6836	Spacer	1
72	MSSF-00540-1104	Screw	2
73	MSPB-0032-1108	Screw	As Req.
74	P-6450-2	Plug Mtg. Brkt.	1
75	C-479-13	9 Pt. Male Plug	1
	C-479-14	9 Pt. Female Plug	1
	E-535-1	Connector Pin	18
76	P-6450-1	Plug Mtg. Brkt.	1
77	C-479-5	12 Pt. Male Plug	1
	C-479-6	12 Pt. Female Plug	1
	E-535-1	Connector Pin	24
78	P-6798-1	Coin Guide Baffle	1
79	A-3075-1	Cover Plate Assy.	1
80	A-3039-2	Coin Ramp Plate Assy.	1
81	P-6649-1	Coin Ramp Cover	1
82	LSPR-00832-1105	Screw	2
83	PW-008-12	Washer	1
84	P-6702-1	Coin Guide Side (Adjust to Coin Size)	1
85	MSSR-00440-1103	Screw	2
86	PW-004-12	Washer	2
87	E-108-104	Coin Ramp Sw. (meter)	1
	A-3068	Sw. Actuator	1
	P-6805	Sw. Mtg. Brkt.	1
	MSSR-00440-1110	Screw	2
88	AS-2517-11	Coin Deflector & Magnet Unit	1
	FE-33-2600	Coil	1
	A-3563-1	Armature & Deflector Assy.	1
89	P-801-107	Washer	1
90	A-2925-1	Light Mtg. Assy.	1
91	E-125-6	Light Bulb #63 (coin cup lites)	2
92	A-2925	Light Mtg. Assy.	1
93	G-348	Lower Glass Window	2
94	P-6665-75	Bottom Door Shield	1
95	A-3165	Corner Guard Assy. (illust)	1
	A-3165-1	Corner Guard Assy. (opposite side)	1
Note: These Guards have been replaced by a new Guard Brkt. rigidly installed in lower cabinet corners (#P-6665-337).			
96	C-657-2	Door Frame - Lock Side	1
	C-657-3	Door Frame - opposite Side	1
97	M-281-40	Lock Unit	1
98	A-2930	Lock Cam Assy.	1
99	LSPR-00832-1110	Screw	2
100	PW-008-12	Washer	1
101	C-271-7	Cable Clip	1
102	C-854-5	Lower Door Frame	1
103	AS-2360-33	Payout Schedule Lite-Up Unit	1
	C-760	Cable Clip	1
	SZPB-00600-1104	Screw	2
104	E-125-6	Light Bulb #63	2

\$1.00 FRONT DOOR ASSEMBLY



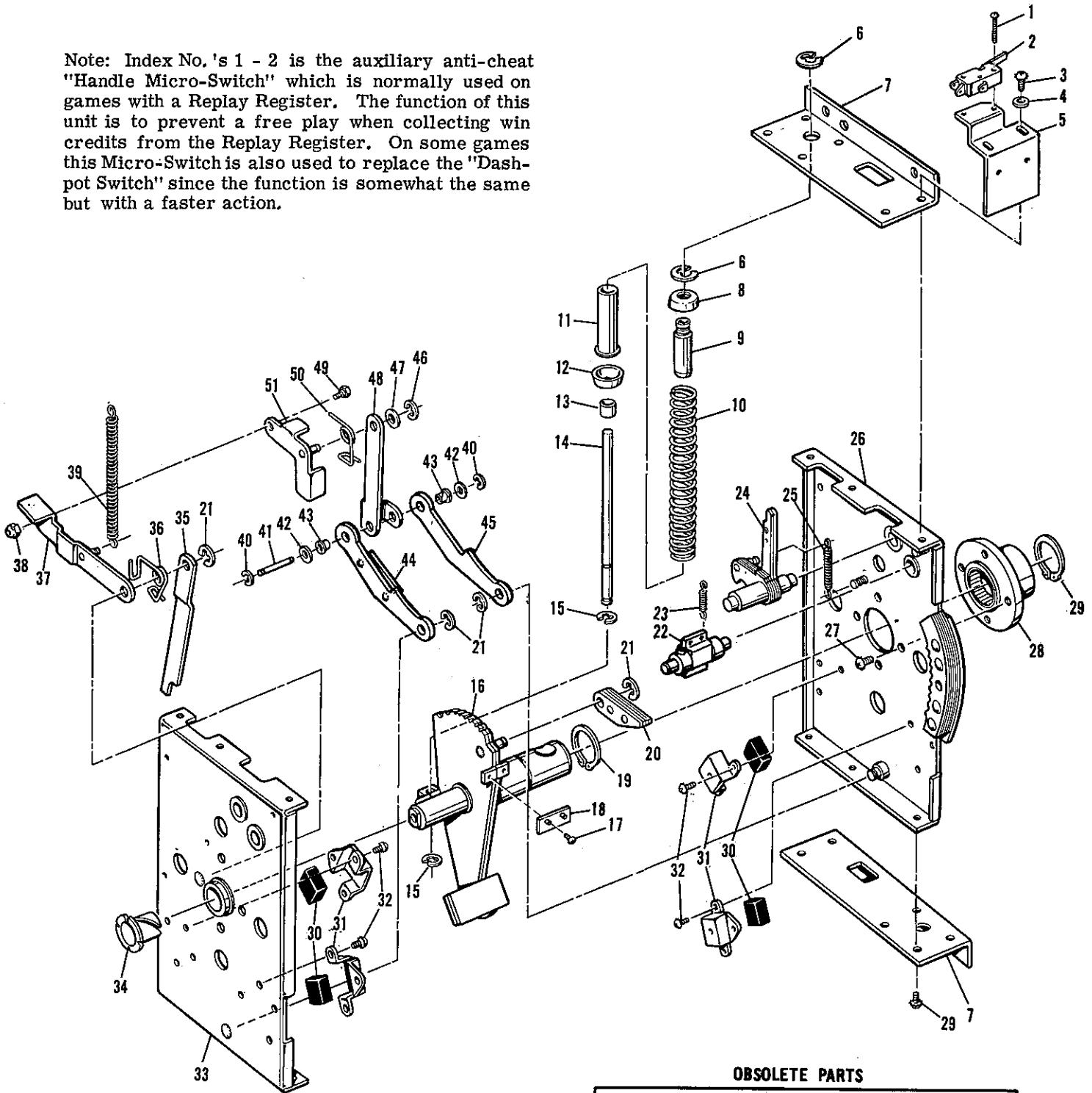
Note: The Dollar Coin Return Unit uses a Elec. Coil operated coin return(scavenger) System.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

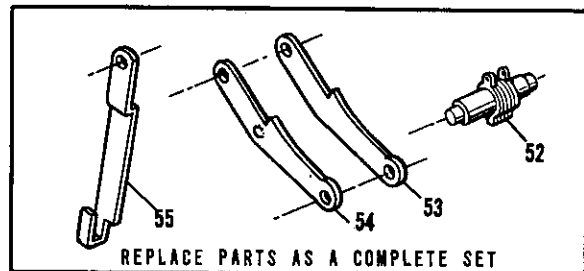
HANDLE MECHANISM ASSEMBLY

ALL MODELS

Note: Index No. 's 1 - 2 is the auxiliary anti-cheat "Handle Micro-Switch" which is normally used on games with a Replay Register. The function of this unit is to prevent a free play when collecting win credits from the Replay Register. On some games this Micro-Switch is also used to replace the "Dash-pot Switch" since the function is somewhat the same but with a faster action.



OBSOLETE PARTS



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

HANDLE MECHANISM ASSEMBLY

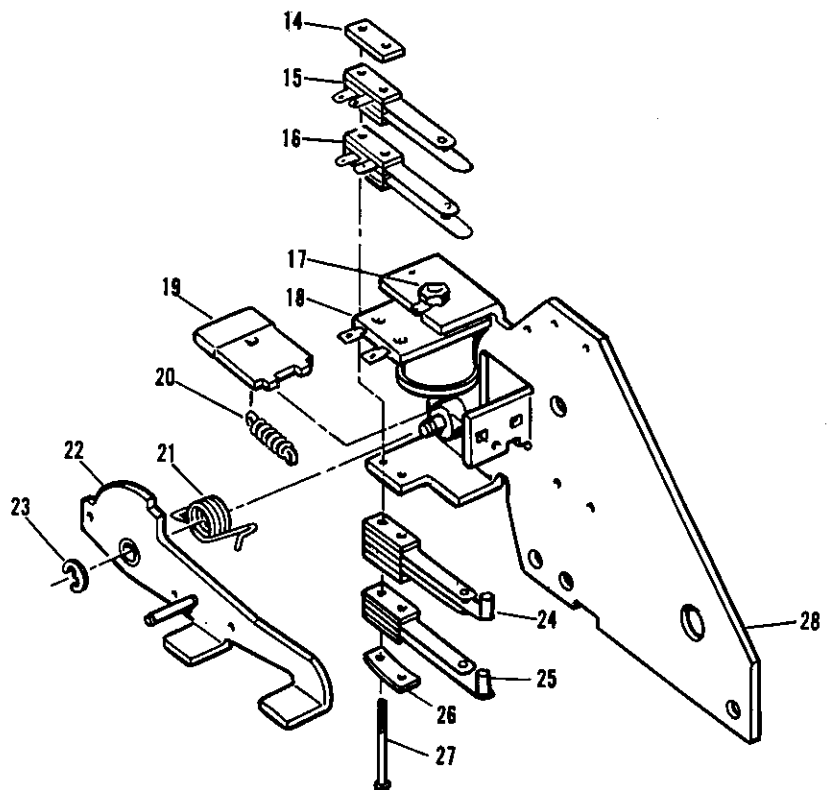
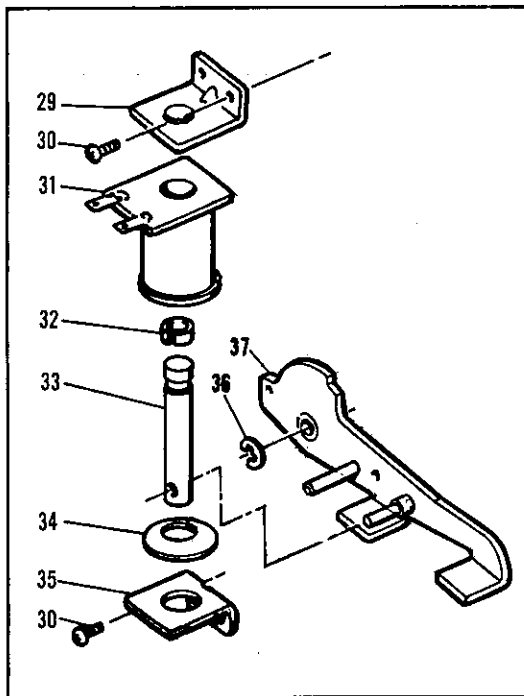
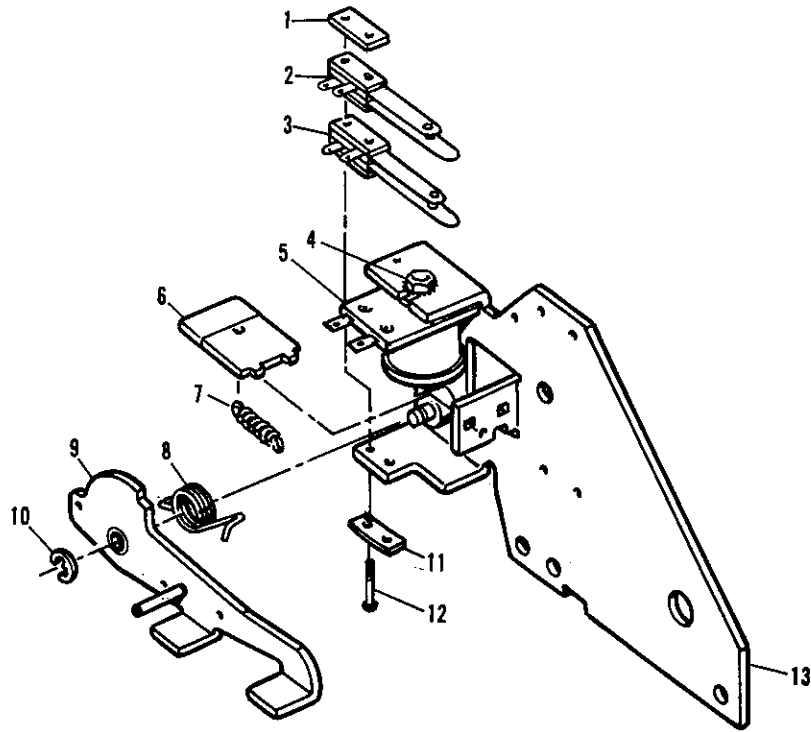
ALL MODELS

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: The Handle Mechanism has recently received engineering improvements to the Full Stroke Pawl (Index #22) & the Lock Links Units (Index No.'s 35, 44 & 45). These new design changes give the Unit extra strength & a more positive locking action. These new parts are interchangeable with the older parts & are now available from the Bally Service Dept.</p>				<p>S-1071-178 Dowel Pin (case hardened) 1</p> <p>S-2100 Pawl 1</p> <p>S-231-790 Bushing (handle side) 1</p> <p>S-143-30 Collar 1</p> <p>FPAO-00832-1804 Set Screw 1</p> <p>Note: This super strong unit replaces index No. 52.</p>			
<p>ORDER AS A COMPLETE SET ONLY</p>				<p>23 SP-100-12 Extension Spring (pawl) 1</p> <p>24 A-181-1 Lock Pawl Assy. 1</p> <p>25 SP-100-7 Extension Spring 1</p> <p>26 A-3411 Front Plate Assembly 1</p> <p>27 LSPR-25020-1106 Screw 4</p> <p>28 A-2904 Handle Bearing Assy. 1</p> <p>29 LSPR-01032-1105 Screw 10</p> <p>30 R-116 Rubber Bumper 4</p> <p>31 P-474 Bumper Housing 4</p> <p>32 LSPR-00832-1103 Screw 12</p> <p>33 A-203-2 Bearing Stop Plate Assy. 1</p> <p>34 C-537-30 Nyliner 1</p> <p>35 P-6535-1 Pawl (new) 1</p> <p>36 SP-399-10 Return Spring 1</p> <p>37 A-3060 Actuating Link Assy. 1</p> <p>38 M-319-2 Elastic Stop Nut 1</p> <p>39 SP-100-1 Extension Spring 1</p> <p>40 P-6316-4 "E" Ring (3/8" Shaft) 2</p> <p>41 S-739-192 Pin 1</p> <p>42 P-801-528 Washer 2</p> <p>43 C-537-24 Nyliner 2</p> <p>44 A-2873-6 Lock Link Assy. (new) 1</p> <p>45 P-1972-15 Lock Link 1</p> <p>46 P-2891-6 "E" Ring (1/4" Shaft) 1</p> <p>47 P-800-10 Washer 1</p> <p>48 P-6737 Support Link 1</p> <p>49 S-1784-3 Hex. Stud 1</p> <p>50 SP-399-21 Return Spring 1</p> <p>51 A-3059 Pivot Link Assembly 1</p>			
1	MSPR-00440-1108	Screw	2	52	A-182-2	Full Stroke Pawl Assy. (replaced by Index No. 22)	1
2	E-108-91	Micro-Switch (Replay Reg. type only)	1	53	P-1972-12	Lock Link (replaced by Index No. 45)	1
3	LSPR-01032-1106	Screw	2	54	A-2873-5	Lock Link Assy. (replaced by Index No. 44)	1
4	PW-010-10	Washer	2	55	P-6535	Pawl (replaced by Index No. 35)	1
5	P-7242-1	Mtg. Brkt. & Shield	1				
6	P-2891-8	"E" Ring (3/8" Shaft)	2				
7	P-6279	Angle Mtg.	2				
8	P-2293-6	Cup Washer	1				
9	S-475-11	Sleeve Shaft	1				
10	SP-200-163	Compression Spring	1				
11	C-662	Sleeve	1				
12	P-2293-7	Cup Washer	1				
13	S-231-665	Spacer	1				
14	S-475-12	Shaft	1				
15	P-2891-6	"E" Ring (1/4" Shaft)	2				
16	A-3410	Rack Lock Lever & Shaft Assembly	1				
17	LSPR-00632-1103	Screw	2				
18	P-1973-243	Plate (fast pull adjustment)	1				
19	P-712-2	Retaining Ring (1" true arc)	2				
20	A-3412	Latch Pawl Assy. (anti-fast pull unit)	1				
21	P-2891-7	"E" Ring (5/16" Shaft)	4				
22	AS-2766	Full Stroke Pawl Assy. (new)	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

HANDLE LOCKOUT ASSEMBLY

ALL MODELS



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

HANDLE LOCKOUT ASSEMBLY

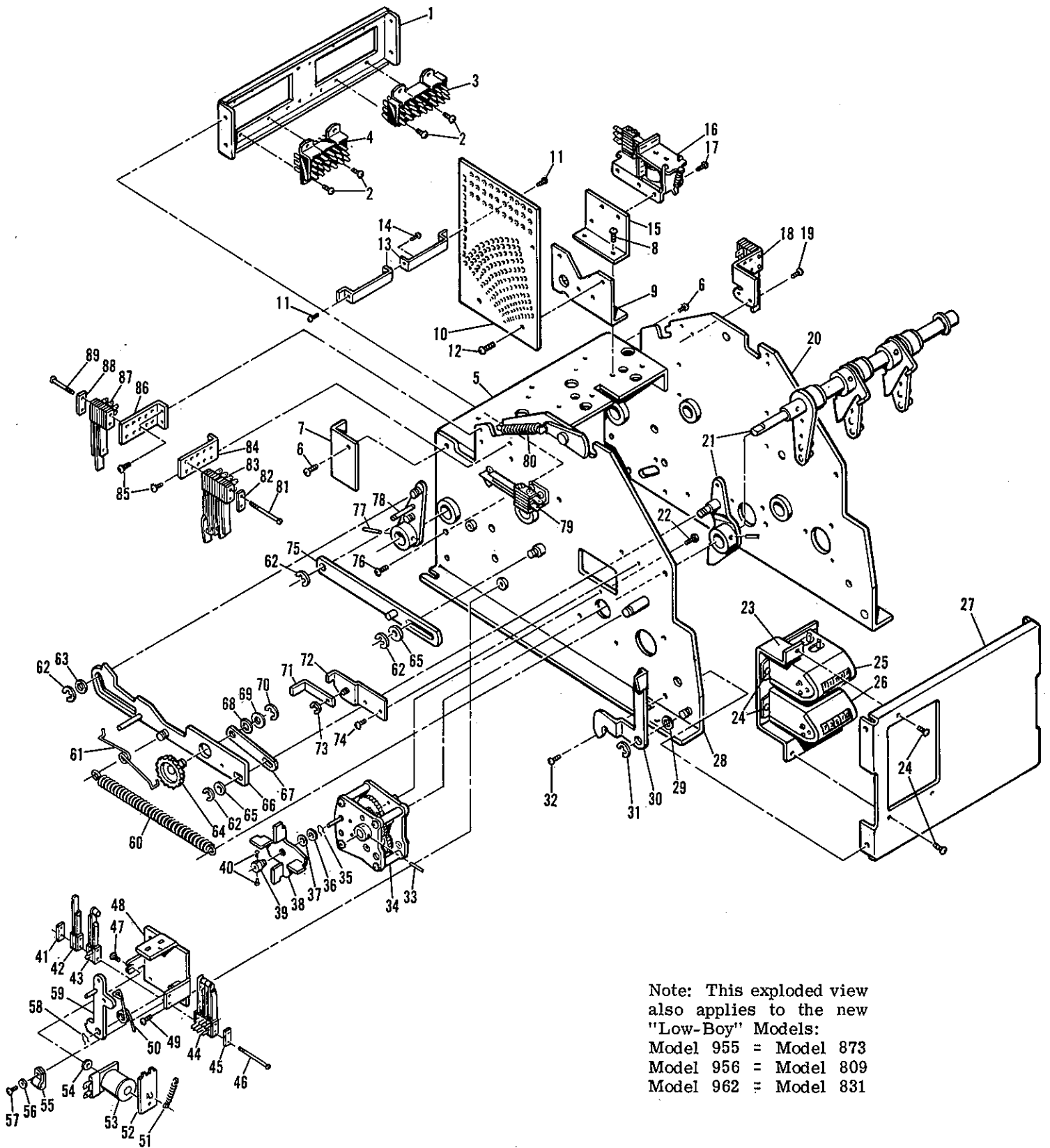
ALL MODELS

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>Note: The top illustration covers assy. no.:</p> <ol style="list-style-type: none"> AS-435-73 (Models 742A, 785, 791 & 804) AS-435-74 (Model 808) AS-435-75 (Models 802, 816, 903 & 931 - Hold & Draw) 				18	F-31-2100	Handle Release Coil . . .	1
				19	A-637-5	Armature	1
				20	SP-100-38	Extension Spring . . .	1
1	P-126-154	Retaining Plate	1	21	SP-341	Return Spring	1
<p>Note: Index No. 2 is not installed on AS-435-73.</p>				22	A-2867-5	Armature Latch Assy.	1
2	ASW-A2-12	Sw. - N.O. (AS-435-74) as req.		23	P-2891-5	Retaining Ring	1
	ASW-A1-10	Sw. - N.C. (AS-435-75) as req.		24	ASW-A2-20	Sw. N.C. (AS-435-81 & AS-435-83) . . . As Req.	
3	ASW-A2-13	Sw. - N.C. (all)	1		ASW-A3-10	Sw. - T. (AS-435-82 only) As Req.	
4	MSOD-00832-1106	Screw	1	<p>Note: Index No. 25 is not installed on #AS-435-82.</p>			
	P-801-15	Washer (coil side) . . .	1	25	ASW-A2-16	Sw. - N.C. (AS-435-81 & AS-435-83) . . . As Req.	
5	F-31-2100	Handle Release Coil . . .	1	26	P-137-5	Spring Plate	1
6	A-637-5	Armature	1	27	MSSR-00540-1120	Screw	2
7	SP-100-38	Extension Spring	1	28	A-636-19	Relay Frame & Mtg. Assy. 1	
8	SP-341	Return Spring	1	<p>Note: Index No.'s 29-37 is an additional coil operated lockout system that is used on Re-play Register Type Games with a Collect Button Circuit. This system is energized (prevents handle from being pulled) when a person pushes the Collect Button to collect credits shown on the Register for a direct machine payout. This system remains energized until the payout is complete & register is at zero.</p>			
9	A-2867-5	Armature Latch Assy..	1	29	A-613-33	Core Plug & Brkt. Assy.	1
10	P-2891-5	Retaining Ring	1	30	LSPR-00832-1104	Screw	4
11	P-137-5	Spring Plate	1	31	B-27-1300	Handle Release Reset Coil	1
12	MSSR-00540-1108	Screw (1 sw. unit)	2	32	C-342	Guide Ring	1
	MSSR-00540-1112	Screw (2 sw. units)	2	33	S-496-100	Plunger	1
13	A-636-19	Relay Frame & Mtg. Assy. 1		34	P-1158-6	Spring Washer	1
<p>Note: Index No.'s 14-28 cover the following assembly no. s.</p> <ol style="list-style-type: none"> AS-435-81 (Models 889, 935, 945 & 952) AS-435-82 (Models 809, 831, 873, 922, 955 & 956) AS-435-83 (Model 962) 				35	P-108-35	Coil Bracket	1
14	P-126-154	Retaining Plate	1	36	P-2891-5	Retaining Ring	1
<p>Note: AS-435-83 has an additional Terminal Unit #ASW-AO-3 (not shown).</p>				37	A-2867-4	Armature Latch Assy.	1
<p>Note: Index No. 14 is not installed on AS-435-81.</p>							
15	ASW-A1-10	Sw. - N.C. (AS-435-82 & AS-435-83) . . . As Req.					
16	ASW-A3-1	Switch - T. (All)	1				
17	MSOD-00832-1106	Screw	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECH. ASSEMBLY - LEFT SIDE

STANDARD 3 REEL UNIT



Note: This exploded view
also applies to the new
"Low-Boy" Models:
Model 955 = Model 873
Model 956 = Model 809
Model 962 = Model 831

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECH. ASSEMBLY - LEFT SIDE

STANDARD 3 REEL UNIT

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: This part list does not include the Hold & Draw style models.				26	E-130-10	Counter (total in)	1	58	M-254-2	Hair Pin Retainer	1
1	P-6373-3	Tie Bar Bracket	1	27	P-704-6	Front Plate	1	59	A-635-7	Armature Latch Assy.	1
2	LSPR-00632-1103	Screw	8	28	A-2874-2	Side Plate Assy. -Left	1	60	SP-100-241	Extension Spring	1
3	E-573-1	Beauplug. 24 Pt. Male	1	29	P-1158-25	Spring Washer	2	61	SP-253	Torsion Spring	1
4	E-573	Beauplug. 18 Pt. Male	1	30	P-6282-2	Lock Lever	1	62	P-2891-6	"E" Ring	4
5	E-495-12	Selector Base	1		P-6282-3	Lock Lever	1	63	P-801-513	Washer	1
6	LSPR-01032-1104	Screw (selector base)	4	31	P-2891-7	"E" Ring (5/16" shaft)	2	Note: Index No.'s 64, 66-70 comprises the 1st reel variator & timer link assembly #AS-2363 (all models except #785) #AS-2363-2 (model 785)			
7	P-6683	Cable Shield	1	32	LSPR-01032-1104	Screw	4	64	A-432-6	Ratchet & Stud Assy.	1
8	SFPB-00832-1106	Screw	6		LSPR-01032-1104	Screw (w/cable clip)	1	65	P-800-10	Washer	2
9	P-494-6	Contact Plate Brkt.	3	33	P-1637-11	Roll Pin	1	66	A-196-8	Link & Stud (AS-2363)	1
10	A-184-Series	Contact Plate Disc (riveted)	3	34	AS-353-2	Clock Assy.	1		A-196-10	Link & Stud (AS-2363-2)	1
	W-1041-Series	Contact Plate Disc (riveted & wired - give complete Model No. & Reel No.)	3	35	M-254	Hair Pin Retainer	1	67	P-197-129	Ratchet Link	1
	A-184-49	Auxil. Terminal Strip (is wired in & included with a W-1041-Series Disc if needed)	As req.	36	P-800-10	Washer	1	68	P-1158-23	Spring Washer	1
	M-1514-5	Spacer (Aux. term. strip mount)	2 - as req.	37	P-1158-3	Spring Washer	1	69	P-801-214	Washer	1
11	LSPR-00632-1104	Screw	2	38	P-608-14	Fan (brass. anti-magnetic)	1	70	P-6316-8	"E" Ring	1
12	MSPT-01032-1106	Screw	6	39	S-1185	Hub	1	71	P-6644	Pawl - Ratchet	1
13	P-6635-2	Brkt. Stiffener	2	40	MSSL-00256-1103	Set Screw	2	72	A-3016-1	Variator Brkt. Assy.	1
14	LSPR-00632-1105	Screw	1	Note: Index No. s 41-59 comprise the Coin Relay Assy.				73	P-2891-5	"E" Ring (3/16 shaft)	1
15	P-6665-2	Single Relay Mtg. Brkt.	As req.	1.	#AS-435-50	Models 742A, 785, 804		74	LSPR-00832-1104	Screw	2
	P-6442-39	Dbl. Relay Mtg. Brkt. as req.		2.	#AS-435-54	Model 808		75	A-2869-1	Reset Link Assy.	1
	P-6665-246	Triple Relay Mounting Brkt. as req.		3.	#AS-435-59	Model 809, 831, 873, 889, 922, 935, 945 & 952		76	LSPR-01032-1104	Screw (tie bar)	2
16	AS-2659-6	Bar Match or J.P. Relay (Model 808 & 809)	1	4.	#AS-435-100	Model 962			LSPR-01032-1106	Screw (w/cable clip)	1
	AS-2659-9	Melon Relay (Model 831)	1	5.	#AS-435-110	Model 955 & 956		77	P-1637-53	Roll Pin	1
	AS-2659-28	Middle Bar Relay (Model 873)	1	All differences are in switch details				78	A-205-7	Sw. Operating Lever	1
	AS-2662-10	Top & Bottom Bar Relay (Model 873)	2	41	P-126-154	Retaining Plate		79	ASW-A1X-3	"B" Sw. - N.O.	1
	AS-2659-11	20-40 Relay (Model 922)	1	42	ASW-A10-14	Switch - N.C. (AS-435-54, AS-435-100 & AS-435-110)			ASW-A1X-11	B-2 Sw. - N.O. (top, model 808 & 935 & where nec.)	1
	AS-2662-83	Super J.P. Relay (Model 952)	1		ASW-A2-12	Switch - N.O. (AS-435-59)			P-126-520	Mtg. Brkt.	1
	AS-2662-85	Reg. J.P. Relay (Model 952)	1	Note: Index no. 42 is not installed on #AS-435-50.				80	SP-100-266	Extension Spring	2
Note: Custom Models may have different or additional relays as necessary.				43	ASW-A2-13	Switch - N.C. (AS-435-50, -54, -59, -100)		Note: Index No.'s 81-84 comprise the "C-1 C-2, C-3" Switch Unit (old C, D, E); #AS-982-541 (all Models except 804), #AS-982-532 (Model 804). All switches in "made" position at rest.			
17	LSPR-00832-1104	Screw	2-6		ASW-A1-39	Switch - N.O. (AS-435-110)		81	MSSR-00540-1120	Screw	2
18	AS-982-516	Dashpot Sw. & Brkt. (all models except 742A & 808)	1	Note: The following switch stocks read from bottom to top.				82	P-137-5	Spring Plate	1
	ASW-A1-34	Switch (N.C.)	1	44	ASW-A1-48	Sw. - N.O.	1	83	ASW-A1X-10	"C-3" Sw. (top unit - old "E") - Model #AS-982-541	1
	AS-982-623	Dashpot Sw. & Brkt. (742A & 808)	1		ASW-A3-10	Sw. - T. } AS-435-50	1		ASW-A12	"C-3" Sw. (M.B.B. - old "E") Model #AS-982-532	1
	ASW-A1-52	Sw. - N.C. (bottom)	1		ASW-A1-48	Sw. - N.O. } AS-435-54	1		ASW-A1X-9	"C-2" Sw. (middle unit - old "D") all games	1
	ASW-A1-51	Sw. - N.C. (top)	1		ASW-A2-25	Sw. - N.C. } AS-435-59	1		ASW-A1X-8	"C-1" Sw. (bottom unit) all games.	1
19	LSPR-00632-1103	Screw	2		ASW-A1-48	Sw. - N.O.	1	84	P-126-84	Mtg. Brkt.	1
20	A-2874	Side Plate Assy. -R.	1		ASW-A3-10	Sw. - T.	1	85	LSPR-00632-1104	Screw	4
21	AS-2294	Timer Shaft Assy.	1		ASW-A2-20	Sw. - N.C.	1	Note: Index No.'s 86-89 comprise the "A" Switch & Brkt. Assy., #AS-982-519 & the "A-1" & "A-2" Sw. & Brkt. Assy. #AS-982-542. The double unit is used on models 742A, 785, 804, 808, 809, 935 & 952 or where necessary on aux. circuits. These switches are N.C. in the rest position.			
	P-1637-53	Roll Pin	3		ASW-A3-4	Sw. - T.	1	86	P-126-84	Mtg. Brkt.	1
22	MSOD-00632-1106	Screw (clock)	3		ASW-A2-20	Sw. - N.C.	1	87	ASW-A1X-2	"A" Sw. (#AS-982-519)	1
23	P-6286	Counter Brkt.	1		ASW-A3-10	Sw. - T.	1		ASW-A1X-6	"A-1" Sw. - Bottom Unit (AS-982-542)	1
24	LSPR-00632-1103	Screw	7	45	P-137-5	Spring Plate	1		ASW-A1X-5	"A-2" Sw. - Top Unit	1
25	E-130-10	Counter (total out)	1	46	MSSR-00540-1130	Screw	2	88	P-137-5	Spring Plate	1
				47	LSSR-00832-1106	Screw	1	89	MSSR-00540-1113	Screw	2
				48	A-636-15	Relay Frame Assy.	1				
				49	LSPR-00632-1105	Screw	2				
				50	SP-341	Torsion Spring	1				
				51	SP-100-38	Extension Spring	1				
				52	A-637-5	Armature	1				
				53	F-31-1500	Coil	1				
				54	P-801-15	Washer	1				
				55	C-271-4	Cable Clip	1				
				56	PW6-11	Washer	1				
				57	SZPT-00600-1106	Screw	1				

REEL MECH. ASSEMBLY - LEFT SIDE

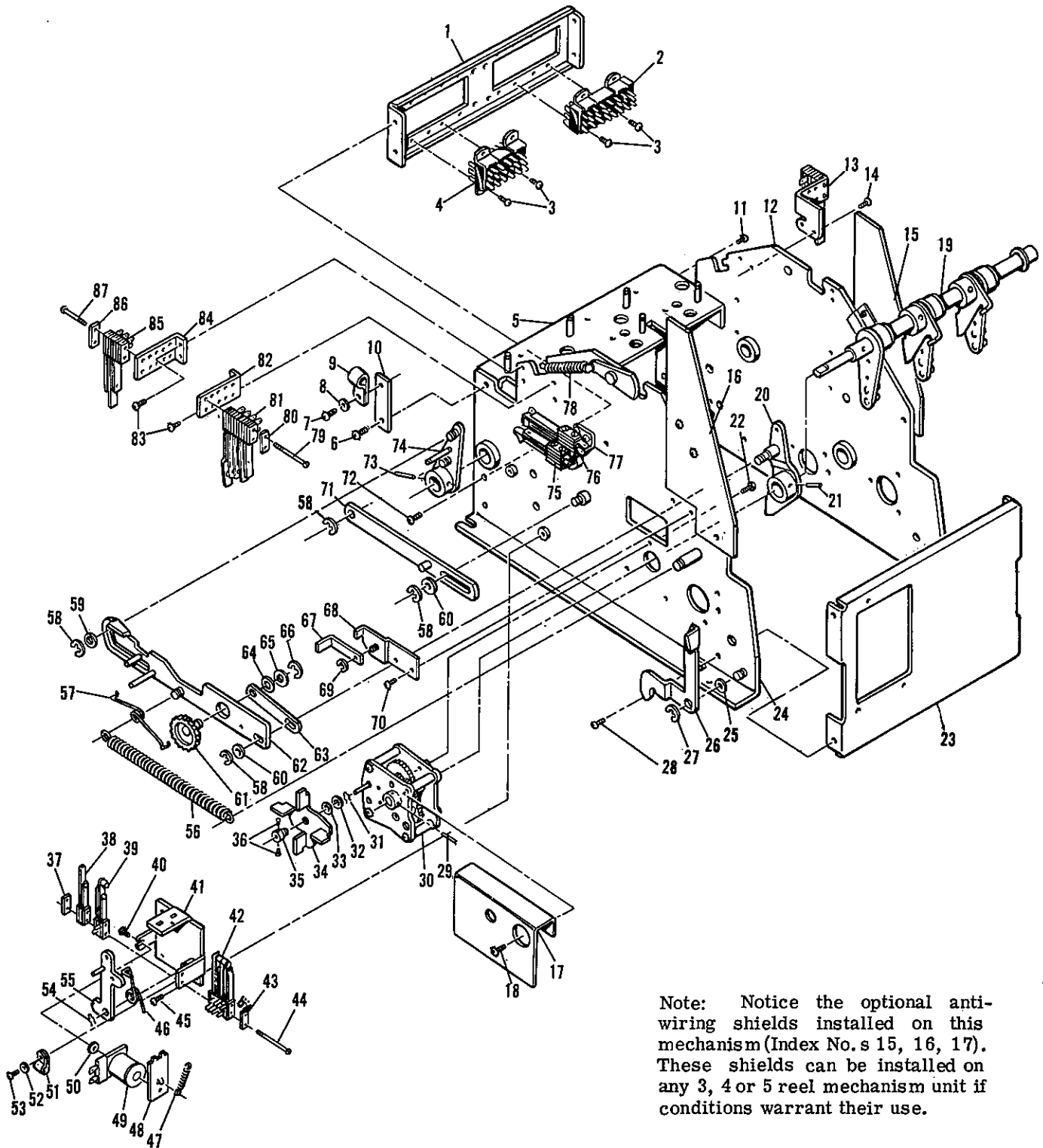
HOLD & DRAW MACHINES

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd	
		Note: This Part List covers Model no.'s 802, 816, 903 & 931.		35	S-1185	Hub	1	72	LSPR-01032-1104	Screw (tie bar)	2	
1.	P-6373-3	Tie Bar Bracket	1	36	MSSL-00256-1123	Screw	2		LSPR-01032-1106	Screw (w/clip)	1	
2	E-573-1	Beauplug, 24 Pt. Male	1			Note: Index No.'s 37-55 comprise the Coin Relay Assy. #AS-435-50 (Models 802 & 816), #AS-435-54 (Models 903 & 931).		73	P-1637-53	Roll Pin	1	
3	LSPR-00632-1103	Screw	8	37	P-126-154	Retaining Plate	1	74	A-205-7	Switch Operating Lever	1	
4	E-573	Beauplug, 18 Pt. Male	1	38	ASW-A10-14	Switch (#AS-435-54 only)	1	75	ASW-C1X-6	"B-3" Switch (models 903, & 931 only)	1	
5	A-638-5	Selector Base & Stud Assy. (hold & draw type)	1	39	ASW-A2-13	Switch	1	76	ASW-A3X	"B-2" Switch - Top Unit (all models)	1	
6	LSPR-01032-1106	Screw	1	40	LSPR-00832-1106	Screw	1		ASW-A1X-3	"B-1" Switch - Bottom Unit (all models)	1	
7	LSPR-00832-1106	Screw	1	41	A-636-15	Relay Frame Assembly	1	77	P-126-520	Sw. Brkt. (B-1 & B-2 style)	1	
8	PW-008-11	Washer	1	42	SW-102-12	Switch Unit (Model #AS-435-50)	1		P-126-616	Sw. Brkt. (B-1, B-2, B-3 style)	1	
9	C-271-8	Cable Cup	1			ASW-A2-25	Switch (top sec.)			LSPR-00632-1104	Screw	2
10	P-1973-274	Cable Plate	1			ASW-A1-48	Switch (2nd)		78	SP-100-266	Extension Spring	2
11	LSPR-01032-1104	Screw	4			ASW-A3-10	Switch (3rd)				Note: Index No.'s 79-82 comprise the "C" Switch & Bracket Assy. #AS-982-541 (Models 802 & 816).	
12	A-2874	Side Plate Assy. - Right	1			ASW-A1-48	Switch (bottom)		79	MSSR-00540-1122	Screw	2
13	AS-982-516	Dashpot Sw. & Brkt. Assy. (models 802, 816 & 903)	1			SW-101-41	Switch Unit (model #AS-435-54)	1	80	P-137-5	Spring Plate	1
	ASW-A1-34	Switch	1			ASW-A3-10	Switch (top sec.)	1	81	ASW-A1X-8	"C-1" Switch (inside)	1
	AS-982-623	Dashpot Sw. & Brkt. Assy. (model 931)	1	43	P-137-5	Spring Plate	1		ASW-A1X-9	"C-2" Switch (middle)	1	
	ASW-A1-52	Switch - Bottom	1	44	MSSR-00540-1126	Screw	2		ASW-A1X-10	"C-3" Switch (outside)	1	
	ASW-A1-51	Switch - Top	1	45	LSPR-00632-1105	Screw (mtg. unit)	2	82	P-126-84	Switch Brkt.	1	
	MSPS-00540-1113	Screw	2	46	SP-341	Torsion Spring	1			Note: Index No.'s 79-82 comprise the "C" Switch & Brkt. Assembly, #AS-982-847 (Models 903 & 931).		
14	LSPR-00632-1103	Screw	2	47	SP-100-38	Extension Spring	1	79	MSSR-00540-1118	Screw	2	
		Note: Index No.'s 15-17 are optional anti-drill Wire Guards used to prevent tampering with reel & fan operation - used primarily on games with no metal cabinet liner.		48	A-637-5	Armature Plate	1	80	P-137-5	Spring Plate	1	
15	P-7118-1	Reel Mech. Baffle - Rt.	1	49	F-31-1500	Coil	1	81	ASW-A1X-8	"C-1" Switch (inside)	1	
	P-6442-89	Mounting Bracket	1	50	P-801-15	Washer	1		ASW-A1X-9	"C-2" Switch (middle)	1	
	LSPR-00832-1104	Screw	2	51	C-271-4	Clip	1		ASW-A2-44	"C-3" Switch (outside)	1	
16	P-7118-2	Reel Mech. Baffle - Left	1	52	PW-006-11	Washer	1	82	P-126-84	Switch Bracket	1	
	P-6442-89	Mounting Bracket	1	53	SAST-00600-1106	Screw, #6 x 3/8" Lg. Truss Hd. Sheet Metal	1	83	LSPR-00632-1104	Screw	4	
	LSPR-00832-1104	Screw	2	54	M-254-2	Hair Pin	1			Note: Index No.'s 84-87 comprise the "A" Switch & Brkt. Assembly #AS-982-542, (Model 802 & 816).		
17	P-7605	Fan Guard	1	55	A-635-7	Armature Latch Assy.	1	84	P-126-84	Switch Brkt.	1	
18	LSPR-00832-1104	Screw	2	56	SP-100-241	Extension Spring	1	85	ASW-A1X-6	"A-1" Switch (inside unit)	1	
19	AS-2294	Timer Shaft Assy. (includes Index No. 20 & 21)	1	57	SP-253	Torsion Spring (for positive variator action)	1		ASW-A1X-5	"A-2" Switch (outside unit)	1	
20	A-2860	Timer Lever Assy.	1	58	P-2891-6	"E" Ring	4	86	P-137-5	Spring Plate	1	
21	P-1637-53	Roll Pin (Timer Shaft)	3	59	P-801-513	Washer	1	87	MSSR-00540-1113	Screw	2	
22	LSPD-00632-1106	Hex. Hd. Screw (clock)	3	60	P-801-10	Washer	2			Note: Index No.'s 84-87 comprise the "A" Switch & Brkt. Assembly, #AS-982-688, (Model 903).		
23	P-704-6	Front Plate	1			Note: Index No.'s 61-66 comprise the Timer Link Assy., (1st reel variator), #AS-2363-4 (Models 802 & 816), #AS-2363-7 (Models 903 & 931).		85	ASW-A1X-6	"A-1" Switch (inside unit)	1	
24	A-2874-2	Side Plate Assy. - Left	1	61	A-432-6	Ratchet & Stud Assy.	1		ASW-A3X-1	"A-2" Switch (outside unit)	1	
25	P-1158-25	Spring Washer	2	62	A-196-11	Timer Link & Stud Assy. (#AS-2363-4)	1			Note: Index No.'s 84-86 comprise the "A" Switch & Brkt. Assembly, #AS-982-696 (Model 931).		
26	P-6282-3	Lock Lever - Left	1			A-196-12	Timer Link & Stud Assy. (#AS-2363-7)	1	85	ASW-AO	Switch Spacer (inside unit)	1
	P-6282-2	Lock Lever - Right	1	63	P-1973-129	Ratchet Link	1			ASW-A3X-1	"A" Switch	1
27	P-2891-7	"E" Ring (5/16" shaft)	1	64	P-1158-23	Spring Washer	1			MSSR-00540-1118	Screw	2
28	LSPR-01032-1104	Screw (front plate)	4	65	P-801-214	Washer	1					
	LSPR-01032-1106	Screw (w/clip)	1	66	P-6316-8	"E" Ring	1					
29	P-1637-11	Roll Pin	1	67	P-6644A	Ratchet Pawl	1					
30	AS-353-2	Clock Assy.	1	68	A-3016-1	Variator Brkt. Assy.	1					
31	M-254	Hair Pin	1	69	P-2891-5	"E" Ring (3/16" dia. shaft)	1					
32	P-800-10	Washer	1	70	LSPR-00832-1104	Screw	2					
33	P-1158-3	Spring Washer	1	71	A-2869-1	Reset Link	1					
34	P-608-14	Fan (brass, non-magnetic)	1									

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECH. ASSEMBLY - LEFT SIDE

HOLD & DRAW MACHINES

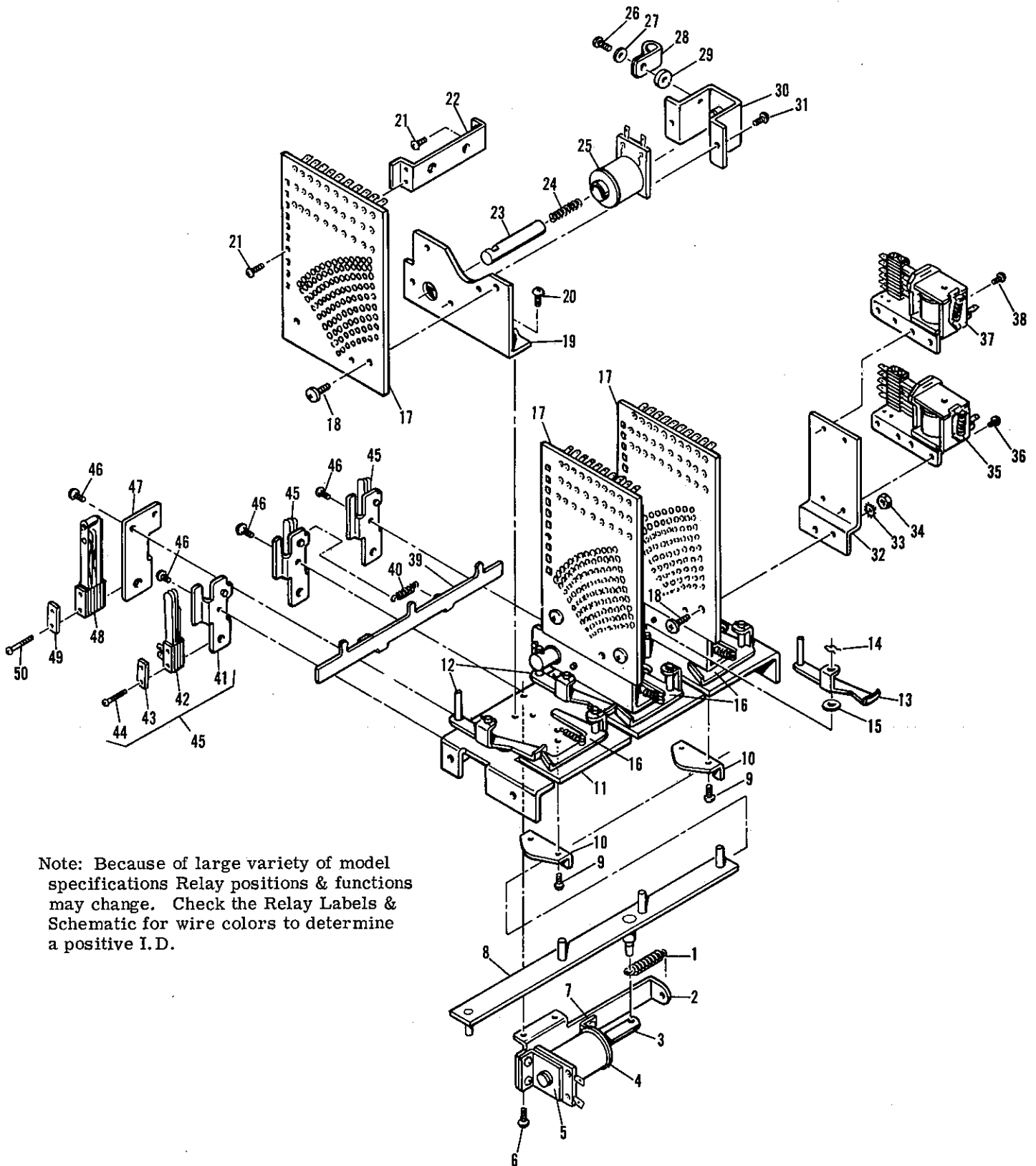


Note: Notice the optional anti-wiring shields installed on this mechanism (Index No.s 15, 16, 17). These shields can be installed on any 3, 4 or 5 reel mechanism unit if conditions warrant their use.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECH. - HOLD & DRAW UNIT

STANDARD



Note: Because of large variety of model specifications Relay positions & functions may change. Check the Relay Labels & Schematic for wire colors to determine a positive I.D.

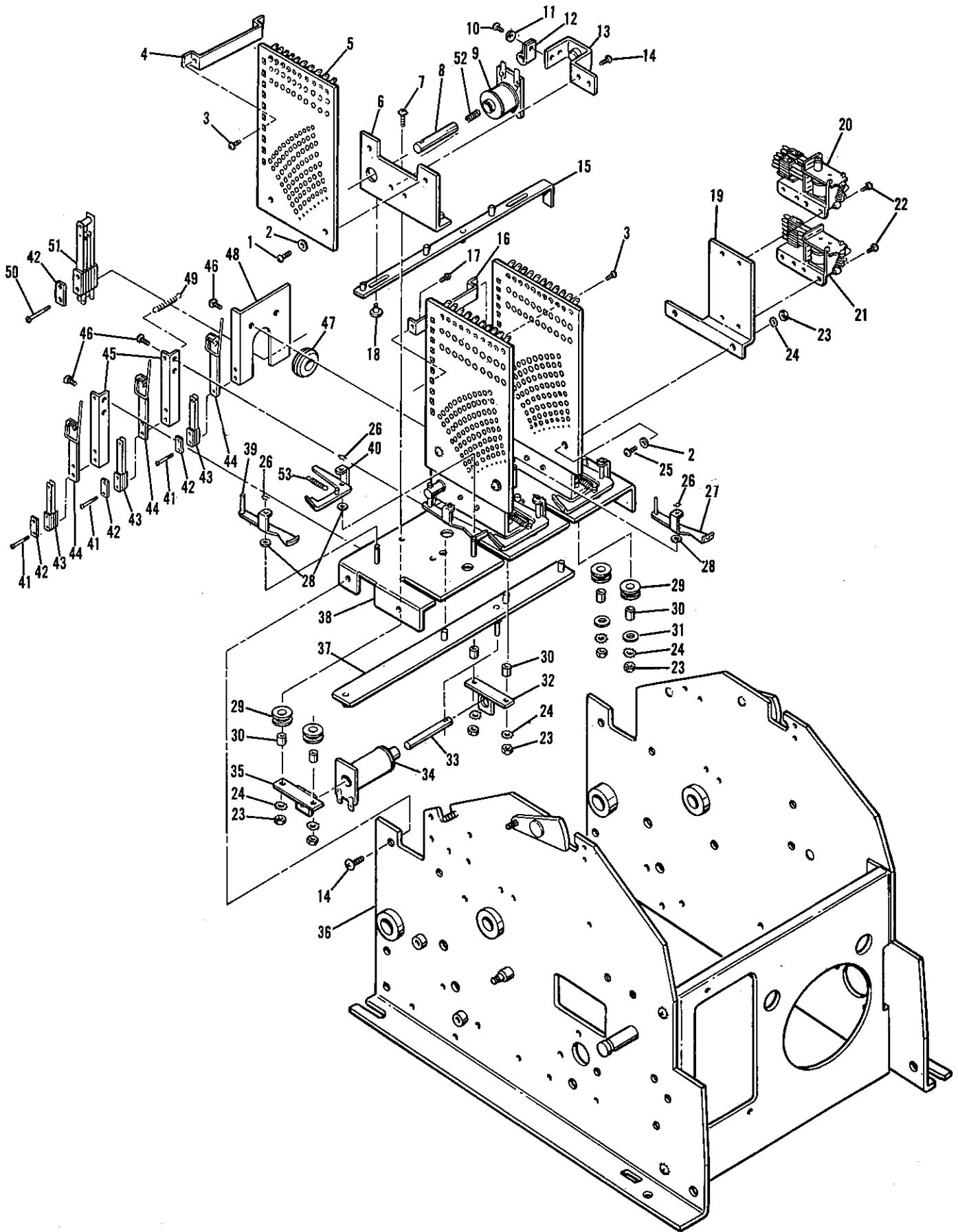
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECH. - HOLD & DRAW UNIT

STANDARD

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	SP-100-269	Extension Spring	1	25	J-28-1100	Coil (Selector or "Hold" coil)	3
2	P-7573	Coil Mounting Bracket	1	26	LSPR-00632-1106	Screw	3
3	S-496-186	Plunger	1	27	PW-008-11	Washer	3
4	B-27-1300	Coil (Cancel unit)	1	28	C-271-10	Clip	3
5	A-613-67	Core Plug & Plate Assy.	1	29	S-231-106	Spacer	3
	SFPP-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2	30	A-613-87	Coil Strap Assembly	3
6		Screw, #10-32 x 3/8" Lg. Parker Swage Form	2	31	SFPP-00832-1106	Screw #8-32 x 3/8" Lg. Parker Swage Form	6
7	P-108-53	Solenoid Bracket	1	32	P-6442-39	Relay Mounting Bracket	1
	SFPP-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	2	33		#10 Lockwasher	2
8	A-157-2	Reset Slide & Stud Assy.	1	34	N-00832-2112	Nut	2
9	SFPP-00832-1106	Screw, #8-32 x 3/8" Lg. Parker Swage Form	4	35	AS-2659-9	Draw Relay	1
10	P-7511	Reset Slide Retainer	2		G-33-2800	Coil	1
11	A-638-5	Selector Base & Stud Assy.	1	36	LSPR-00832-1104	Screw	2
12	A-188	Latch Arm & Pin Assy. (Reels 1 & 2)	2	37	AS-2659-32	J.P. Relay (Specify Model NO.)	As Req'd
	M-254-2	Hair Pin Retainer	2		G-32-2500	Coil	1
	P-801-8	Washer	2	38	LSPR-00832-1104	Screw	2
13	A-188-1	Latch Arm & Pin Assy. (Reel No. 3)	1	39	P-7572	Switch Actuator Slide	1
14	M-254-2	Hair Pin Retainer	1	40	SP-100-276	Extension Spring	1
15	P-801-8	Washer	1	Note: Index No.'s 41-44 comprise the "Switch & Bracket Assembly", #AS-982-715			
16	A-187	Reel Lock Assembly	3	41	P-7574	Switch Bracket	3
	SP-100-271	Extension Spring	3	42	ASW-A1-32	Switch (Hold 1, 2, 3 reels)	3
	M-254-2	Hair Pin Retainer	3	43	P-137-5	Spring Plate	3
	P-801-8	Washer	3	44	MSPR-00540-1108	Screw	6
17	A-184-46	Contact Plate Assembly (Reels 1, 2 & 3)	3	45	AS-982-715	Switch & Bracket Assy.	3
18	MSPT-01032-1106	Screw	7	46	LSPR-00832-1104	Screw	5
19	P-494-6	Contact Plate Bracket	3	47	P-7574-1	Switch Bracket	1
20	SFPP-01032-1106	Screw, #10-32 x 3/8" Lg. Parker Swage Form	6	48	ASW-A10-18	Switch (hold bar) - Bottom	1
21	LSPR-00632-1104	Screw	3		ASW-A20-14	Switch (hold bar) - Top	1
22	P-6635-2	Bracket Stiffener	2	49	P-137-5	Spring Plate	1
23	S-496-187	Plunger	3	50	MSPR-00540-1114	Screw	2
24	SP-200-11	Compression Spring	3				

OLD STYLE HOLD & DRAW UNIT



OLD STYLE HOLD & DRAW UNIT

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This is the original Hold & Draw Unit introduced in 1965 and used in Bally Models:783, 802, 816 & many console style games (820, 842, 843, 844, 845, 856, 859, 869, 876, 895 & 901) until the spring of 1971. The new Hold & Draw unit used in all current slot & console styles is shown on the previous page.</p>				22	LSPR-00832-1104	Screw	4
<p>This Illustration & Parts List is for pre-1971 games only. Old & new individual unit parts are not interchangeable unless indicated.</p>				23	N-01032-2112	Nut	8
1	LSPR-01032-1105	Screw	4	24		#10 Lockwasher	8
2	PW-010-12	Washer	6	25	LSPR-01032-1110	Screw	2
3	LSPR-00632-1103	Screw	6	26	M-254-2	Hair Pin	6
4	P-6635-1	Bracket Stiffener	1	27	A-188-1	Latch Arm & Pin Assy. (Reel #3)	1
5	A-184-Series	Contact Plate (specify model & reel no.)	3	28	P-801-8	Washer	6
	W-1041-Series	Wired Contact Plate (specify Model & Reel No.)	As Req.	29	S-376-1	Reset Slide Guide	4
6	A-189-1	Brkt. & Stud Assy.	3	30	S-231-705	Bushing	6
7	LSPR-01032-1112	Screw	6	31	P-801-514	Washer	2
8	S-496-179	Plunger	3	32	A-201-1	Solenoid Brkt. & Plate Assembly.	1
9	J-28-1100	#1, #2, & #3 Hold Coil (same as new unit)	3	33	S-496-43	Plunger	1
10	LSPR-00632-1105	Screw	3	34	E-184-5	"Cancel" Coil	1
11	PW-006-12	Washer	1	35	A-613-81	Core Plug & Plate Assy.	1
12	C-271-6	Cable Clip (#1 coil)	1	36		Reel Mech. Frame Work	1
	C-271-8	Cable Clip (#2 & #3 coils)	2	37	A-157	Reset Slide Guide & Stud Assembly.	1
13	A-185-1	Coil Strap Assy.	3	38	A-638-3	Selector Base & Stud Assy.	1
14	LSPR-01032-1104	Screw	12	39	A-188	Latch Arm & Pin Assy. (Reel #1 & #2).	2
15	A-317	Reset Slide Assy.	1	40	A-187	Reel Lock Assy.	3
16	P-6635	Brkt. Stiffener	1	41	MSSR-00540-1107	Screw	6
17	LSPR-00632-1104	Screw	1	42	P-137-5	Spring Plate	4
18	S-1194-8	Shoulder Screw	2	43	ASW-A1-41	#1, #2 & #3 Reel Sw. -N.O. (held lites)	3
19	P-6442-6	Relay Mtg. Brkt.	1	44	SW-000-39	Switch Actuator	3
20	AS-2659-32	J. P. Relay	1	45	P-126-547	Switch Brkt.	2
	G-32-2500	Coil	1	46	LSPR-00832-1103	Screw	10
21	AS-2659-9	Draw Relay	1	47	R-111-37	Grommet	1
	G-33-2800	Coil	1	48	P-6629-18	Switch Brkt.	1
				49	SP-100-12	Spring	1
				50	MSSR-00540-1114	Screw	2
				51	ASW-A10-15	Hold Bar Sw. -N.O. (Inner Unit - Cancel Coil)	
					ASW-A20-11	Hold Bar Sw. -N.C. (Outside Unit - Draw Re.)	
				52	SP-200-11	Compression Spring	3
				53	SP-100-30	Extension Spring	3

Note: Check the Relay Labels & Schematic Wire Colors for complete I. D. - functions & locations can change.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECHANISM ASSEMBLY - CENTER

ALL 3 REEL MODELS

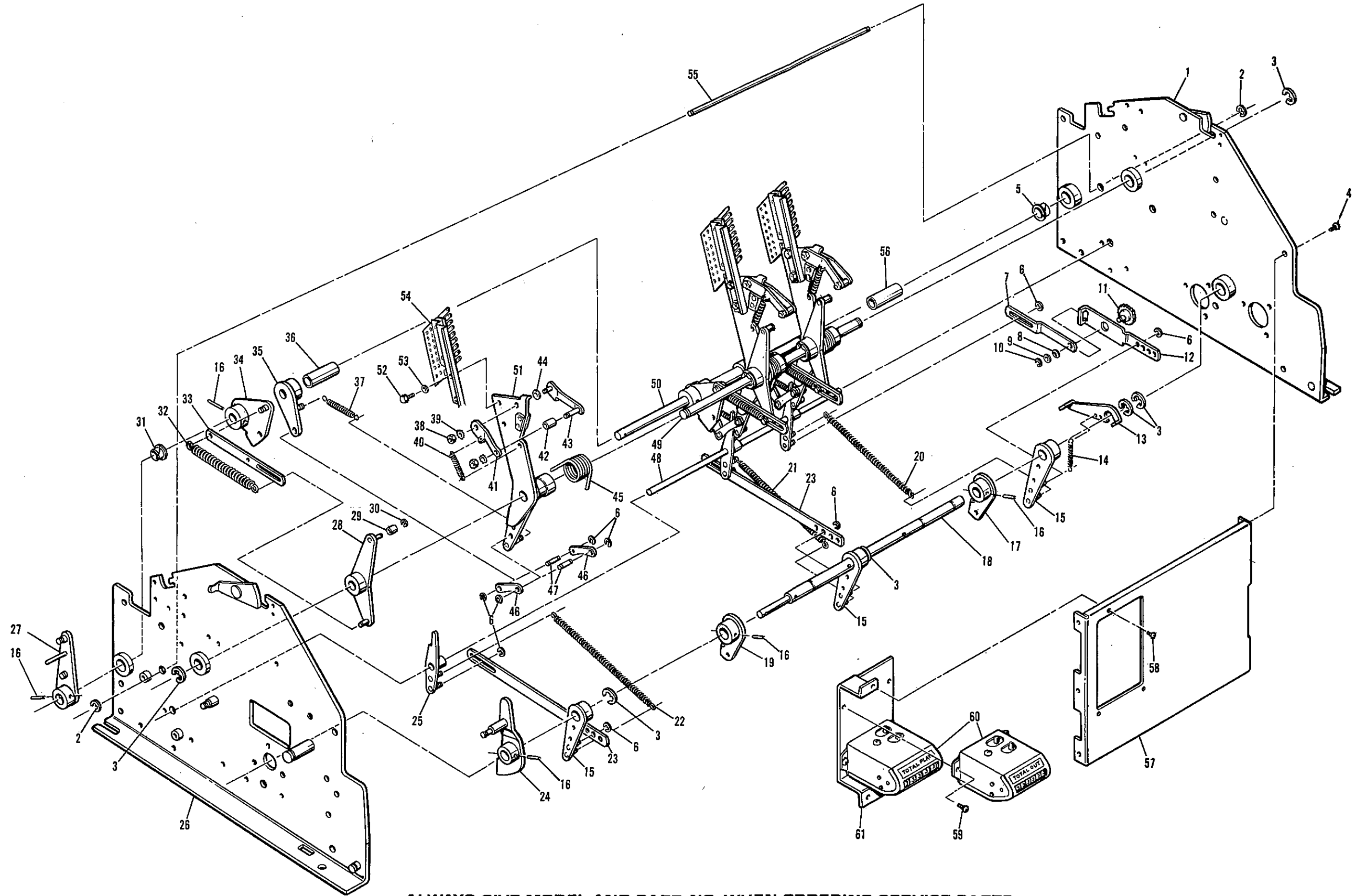
Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	A-2874	Side Plate Assy. - Right .	1	34	A-194-6	Crank - Trip Shaft	3
2	P-2891-6	"E" Ring (1/4 shaft) . . .	10	35	A-168-1	Toggle Lever & Link Assy.	3
3	P-2891-10	"E" Ring (1/2" shaft) . . .	8	36	S-231-11	Bushing (trip shaft)	2
4	LSPR-01032-1106	Screw	21	37	SP-100-247	Extension Spring (toggle).	3
5	C-537-20	Nyliner (trip shaft - right)	1	Note: Index No.'s 38-47, 51-53 comprise the Index Lever Assy. #AS-2317-13B (std. 20 stop), #AS-2317-6ND (std. 20 stop hold & draw), #AS-2317-14ND (22 & 25 stop hold & draw).			
6	P-2891-5	"E" Ring (3/16" shaft) . . .	22				
Note: Index No.'s 7-12 comprise the "Timer Link Assembly" (3rd reel variator), #AS-2363-3							
7	P-6771	Link	1	38	N-00632-2112	Nut	6
8	P-1158-23	Spring Washer	1	39		#6 Lockwasher	6
9	P-801-214	Washer	1	40	SP-100-231	Extension Spring	3
10	P-6316-8	"E" Ring	1	41	P-491-5	Index Lever Arm	3
11	A-432-7	Timer Ratchet & Stud Assy.	1	42	S-231-43	Bushing	3
12	P-6770	Timer Link (Note correct adjust.)	1	43	A-332	Index Lever Arm Assy. . . .	3
13	P-6769	Ratchet Pawl	1	44	P-1158-22	Spring Washer	3
14	SP-100-248	Extension Spring	1	45	SP-311	Torsion Spring	3
15	A-2861	Timer Idler Lever Assy.	3	46	P-471	Toggle Link	6
16	P-1637-53	Roll Pin	7	47	S-739-158	Pivot Pin	6
17	A-194-7	Crank - Reel No. 3	1	48	S-413-19	Pin (latch pawl shaft) . . .	1
18	S-1912	Timer Shaft (clock)	1	49	S-181-47	Index Lever Shaft	1
19	A-194-7	Crank - Reel No. 2	1	50	S-164-52	Trip Shaft	1
20	SP-100-240	Extension Spring (reel 3)	1	51	A-193-1	Wiper Plate Assy. (20 stop machines)	3
21	SP-100-239	Extension Spring (reel 2)	1		A-193-2	Wiper Plate Assy. (22 & 25 Stop, Hold & Draw games only)	3
22	SP-100-238	Extension Spring (reel 1)	1	52		Hex. Hd. Screw, #10-32 x 3/8" Long	6
23	P-917-2	Latch Link (note correct adjust.)	2	53	P-801-35	Washer	6
24	A-2860	Timer Lever Assy.	1	54	A-3013-3	Wiper Plate Assy. (std.) . . .	3
25	A-174-1	Latch Pawl Assy.	3		A-3013-4	Wiper Plate Assy. (Hold Draw style)	3
26	A-2874-2	Side Plate Assy. - Left . . .	1		A-3013-5	Wiper Plate Assy. (Model 873, 922, 955, 956, 972 & 982)	3
27	A-205-7	Switch Operating Lever . . .	1	55	S-739-159	Toggle Stop Rod	1
28	A-167-2	Drive Lever Assy. - 20 Stop Game	3	56	S-231-698	Bushing (trip shaft - right)	1
	A-167-5	Drive Lever Assy. 22 Stop Game	3	57	P-704-6	Front Plate	1
	A-167-3	Drive Lever Assy. - 25 Stop Game	3	58	LSPR-00632-1104	Screw	2
29	S-231-43	Bushing	3	59	LSPR-00632-1103	Screw	2-4
30	P-6316-4	Retaining Ring	3	60	E-130-10	Counter (on "Hold & Draw" Games the top "Total Out" Counter is relocated in the Payout Hopper Front)	1-2
31	C-537-21	Nyliner (trip shaft - left)	1	61	P-6286	Counter Bracket	1
32	SP-100-21	Extension Spring (drive lever)	3				
33	P-466-1	Drive Link	3				

Note: Index No.'s 34-36, 50 & 56 plus 3 roll pins (#P-1637-53B) comprise the trip shaft assy., #AS-2294-1B.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECHANISM ASSEMBLY-CENTER

ALL 3 REEL MODELS



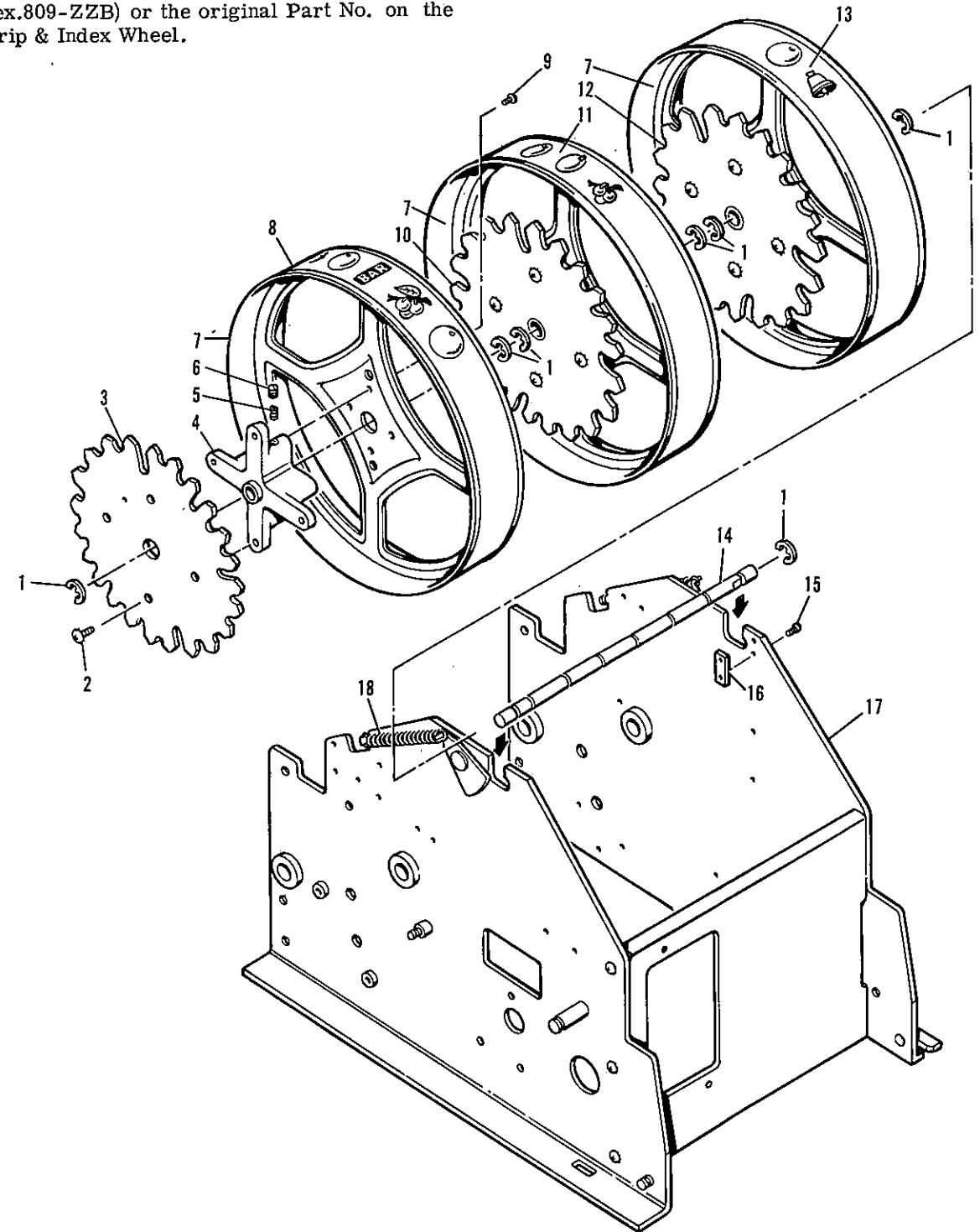
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL ASSEMBLY

REELS, INDEX PLATES, AND REEL TAPES

ALL 3 REEL MODELS

Important: When ordering Index Wheels & Reel Tape Sets give the COMPLETE Model No. of your machine (ex.809-ZZB) or the original Part No. on the Reel Strip & Index Wheel.



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL ASSEMBLY

REELS, INDEX PLATES, AND REEL TAPES

ALL 3 REEL MODELS

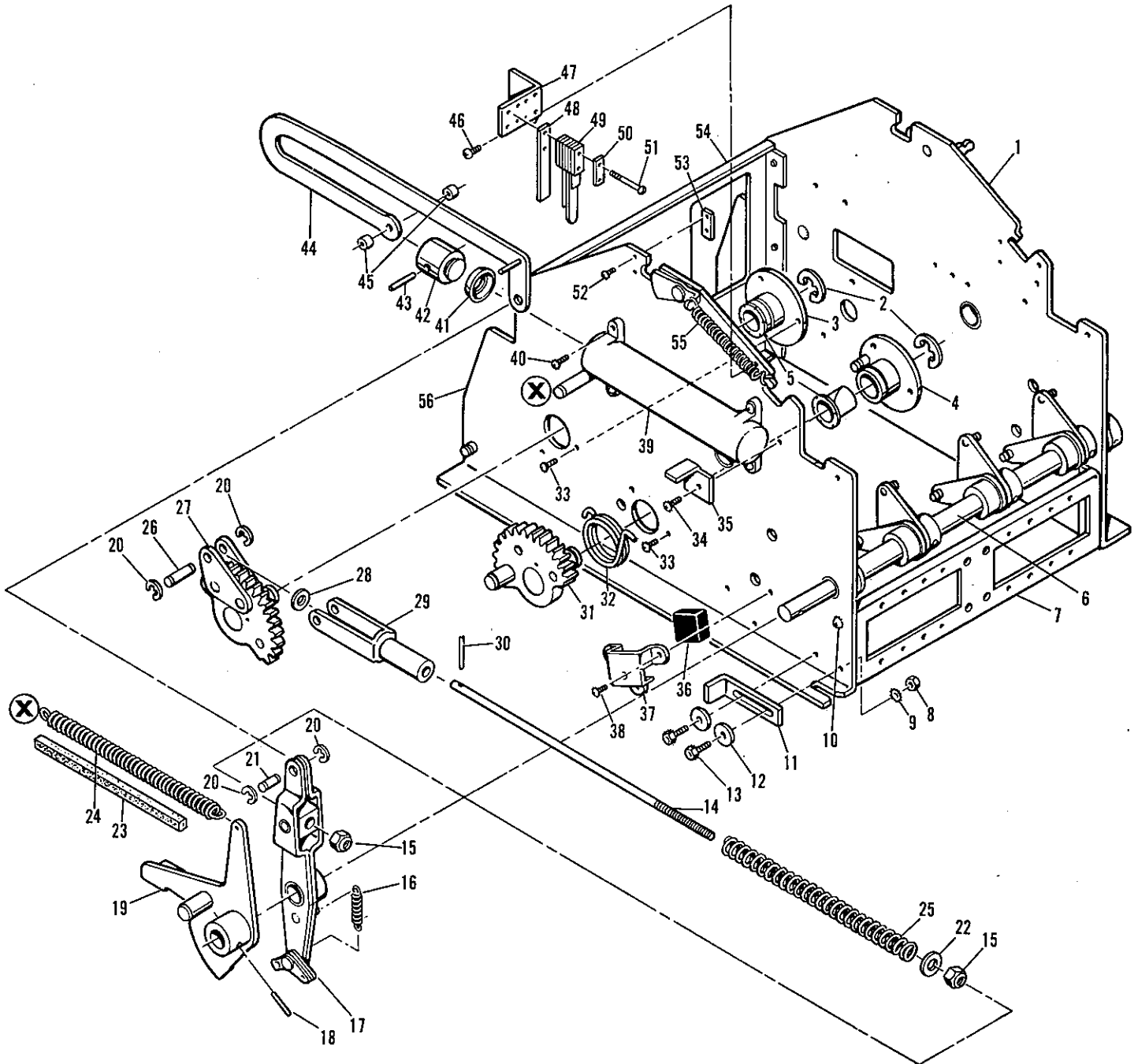
Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
1	P-2891-8	"E" Ring	6				
2	LSPR-01032-1106	Screw	12				
3	P-484-Series	20 Stop Index Wheel - Reel No. 1 (Specify Model No. & Reel No.) . . .	1	11	M-220-Series	20 Stop Reel Tape #2 (Spe- cify Model No. & Reel No.) 1	
	P-684-Series	22 Stop Index Wheel - Reel No. 1 (Specify Model No. & Reel No.)	1		M-222-Series	22 Stop Reel Tape #2 (Specify Model No. & Reel No.)	1
	P-584-Series	25 Stop Index Wheel - Reel No. 1 (Specify Model No. & Reel No.)	1		M-225-Series	25 Stop Reel Tape #2 (Specify Model No. & Reel No.)	1
4	A-631-2	Hub & Bearing Assembly	3	12	P-484-Series	20 Stop Index Wheel - Reel No. 3 (Specify Model No. & Reel No.)	1
5	SP-200-165	Compression Spring . .	3		P-684-Series	22 Stop Index Wheel - Reel No. 3 (Specify Model No. & Reel No.)	1
6	M-1517	Set Screw. Nylok #1/4-28 X 1/4" Lg. Headless Slot Hd.	3		P-584-Series	25 Stop Index Wheel - Reel No. 3 (Specify Model No. & Reel No.)	1
7	A-372-3	Reel Assembly (stainless steel, anti-magnetic . .	3	13	M-220-Series	20 Stop Reel Tape #3 (Specify Model No. & Reel No.)	1
8	M-220-Series	20 Stop Reel Tape #1 (Specify Model No. & Reel No.) .	1		M-222-Series	22 Stop Reel Tape #3 (Specify Model No. & Reel No.)	1
	M-222-Series	22 Stop Reel Tape #1 (Specify Model No. & Reel No.) .	1		M-225-Series	25 Stop Reel Tape #3 (Specify Model No. & Reel No.)	1
	M-225-Series	25 Stop Reel Tape #1 (Specify Model No. & Reel No.) .	1				
9	MSPB-00832-1104	Screw, #8-32 x 1/4" Lg. Phillips Binder Hd. . .	12	14	S-181-46	Reel Shaft	1
10	P-484-Series	20 Stop Index Wheel - Reel No. 2 (Specify Model No. & Reel No.)	1	15	LSPR-00540-1103	Screw	2
	P-684-Series	22 Stop Index Wheel - Reel No. 2 (Specify Model No. & Reel No.)	1	16	P-126-541	Plate (Reel Shaft Lock) .	1
				17		Reel Mechanism Frame- work	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECHANISM - RIGHT SIDE DETAIL

REEL START MOTION AND TRIP MECHANISM

ALL MODELS



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

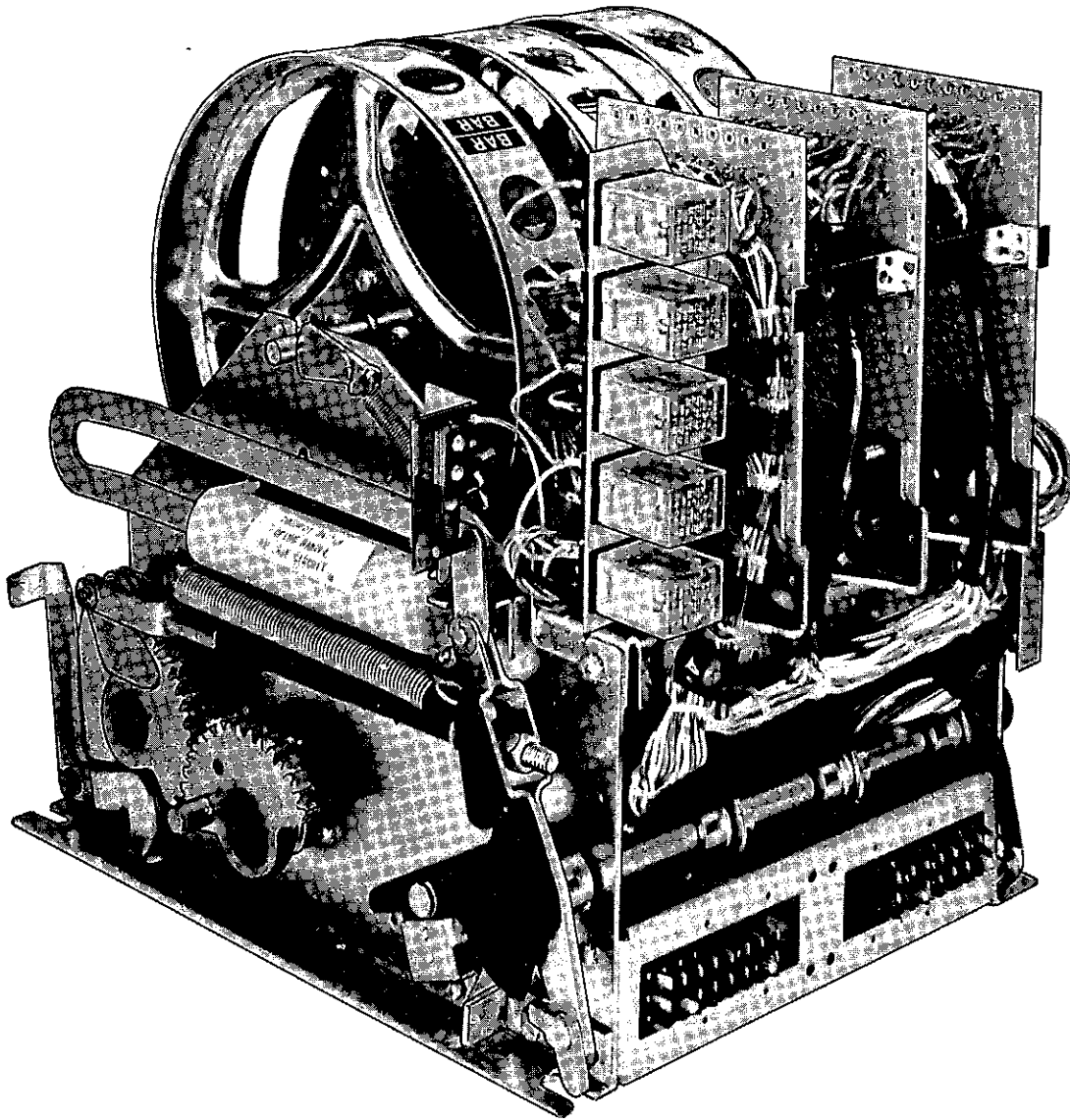
REEL MECHANISM - RIGHT SIDE DETAIL

REEL START MOTION AND TRIP MECHANISM

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
Note: This illustration shows the "Start Motion & Trip Mechanism for a 3-Reel Game. This same mechanism is also used on the 4 and 5-reel games - Note No.'s 6, 7 & 54.				27	A-2865-1	Rejector Cam Gear Assy.	1
				28	P-800-2	Washer	1
				29	A-171-1	Overtravel Assembly . .	1
				30	P-1637-11	Roll Pin	1
				31	A-2865	Gear Assembly	1
				32	SP-399-6	Torsion Spring	1
1	A-2874-2	Side Plate Assembly . .	1	33	LSPR-00832-1104	Screw	6
2	P-2891-11	"E" Ring (5/8" dia. shaft)	2	34	LSPR-01032-1106	Screw	1
3	A-2903	Gear Plate Assy. (shown w/ nyliner in place). . . .	1	35	P-6451	Stop Bracket	1
4	A-2903-1	Gear Plate & Pin Assy. .	1	36	R-116	Rubber Bumper	1
5	C-537-31	Nyliner	2	37	P-474	Bumper Housing	1
6	AS-2294-1	Trip Shaft Assy. (3 reel unit)	1	38	LSPR-00832-1103	Screw	3
	AS-2294-5	Trip Shaft Assy. (4 reel unit)	1	39	C-112	Air Cylinder	1
				40	LSPR-00832-1106	Screw	4
7	P-6373-3	Tie Bar Brkt. (3 reel unit)	1	41	R-121-1	Piston Cup Seal	1
	P-6373-4	Tie Bar Brkt. (4 reel unit)	1	42	S-396	Piston	1
8	N-01032-2112	Nut	2	43	S-1071-83	Rod	1
9		#10 Lockwasher	2	44	A-2931A	Link & Pin Assy.	1
10	LSPR-01032-1104	Screw	2	45	S-231-41	Bushing	2
11	P-6287	Stop Bracket	1	46	LSPR-00632-1103	Screw	2
12	P-800-6	Washer	2	Note: Index No.'s 47 - 51 comprise the "Dashpot Switch & Brkt. Assembly", #AS-982-516 (all models except 931) #AS-982-623 (Model 931).			
13	LSOD-01032-1168	Screw	2	47	P-126-512	Switch Brkt.	1
14	S-2033	Drive Shaft	1	48	P-126-513	Switch Plate	1
15	M-319-10	Elastic Stop Nut	2	49	ASW-A1-34	Dashpot Switch (#AS-982-516 only)	1
16	SP-100-8	Extension Spring	1		ASW-A1-52	Dashpot Switch - Bottom Unit (#AS-982-623) . . .	1
17	A-199-2	Trip Operating Lever Assy.	1	50	P-137-5	Spring Plate	1
18	P-1637-56	Roll Pin	1	51	MSPR-00540-1114	Screw	2
19	A-178-1	Trip Lever Assy.	1	52	LSPR-00540-1103	Screw	2
20	P-2891-6	"E" Ring (1/4" shaft) . .	4	53	P-126-541	Shaft Lock Plate	1
21	S-739-160	Link	1	54	P-704-6	Front Plate (3 reel unit) .	1
22	P-801-207	Washer	1		P-704-9	Front Plate (4 reel unit) .	1
23	M-331-1	Felt Plug (fits inside spring)	1	55	SP-100-266	Extension Spring (both sides)	2
24	SP-100-241	Extension Spring - Std. .	1	56	A-2874	Side Plate Assy. - Right .	1
	SP-100-268	Extension Spring (Model 873 & all 4 reel units) .	1				
25	SP-214	Compression Spring . . .	1				
26	S-739-157	Coupling Pin	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL ASSEMBLY - RELAY UNIT



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL ASSEMBLY - RELAY UNIT

Index No.	Part No.	Description	No. Req.
-----------	----------	-------------	----------

Note: This Photograph shows a rear view of a typical Model 956 & 962 Reel Mechanism. This type of Mechanism is used in the new "Low Boy" Type Games where the special feature Relays were moved from a top shelf location (Ref: Model 809, 831 & 873) to Lower Cabinet & Reel Mech. locations.

In Most cases the standard "KK" or "G" Relays have been replaced by the new "C-R" Relays as shown. The "C-R" Relays have advantage of being very compact, sealed, easily replaced & simplify parts ordering. On some slot models up to 10 "C-R" Relays are installed on a single bracket on the Reel Mechanism. The Relays are also completely labeled for quick identification & wire colors can be traced on the Schematic.

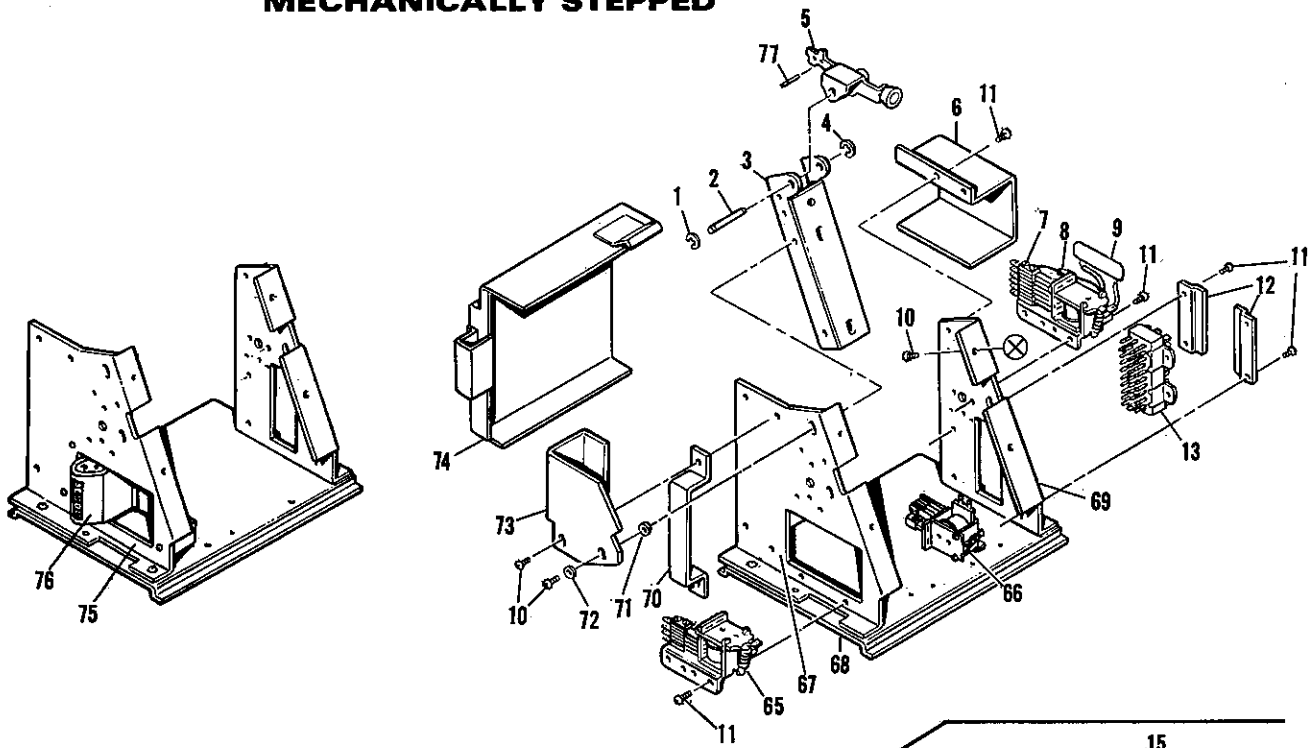
The Part Numbers for this new unit are:

- | | | | |
|----|-----------|---|---------|
| A. | E-146-709 | "C-R" Relay | As Req. |
| B. | E-596 | Socket | As Req. |
| C. | P-7431 | Relay Retaining Spring | As Req. |
| D. | A-3369-15 | Relay Mounting Bracket
(8 Max.) | As Req. |
| E. | A-3369-12 | Relay Mounting Bracket
(10 Max.) | As Req. |

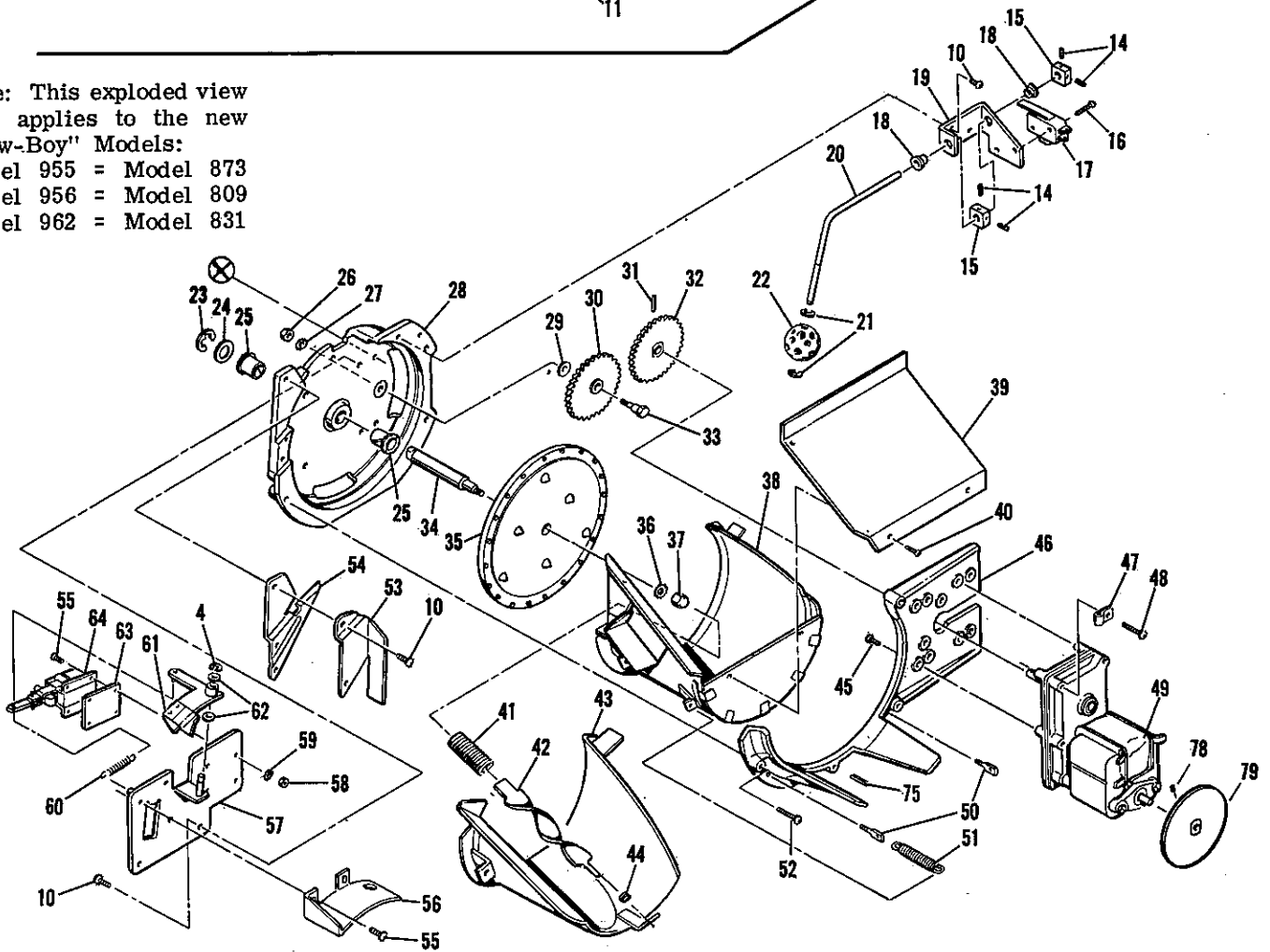
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

HOPPER PAYOUT UNIT - P. I

MECHANICALLY STEPPED



Note: This exploded view
also applies to the new
"Low-Boy" Models:
Model 955 = Model 873
Model 956 = Model 809
Model 962 = Model 831



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

HOPPER PAYOUT UNIT - P. I

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
1	P-6317-10	Bowed Retaining Ring	1	29	P-801-504	Washer	1	57	A-2894	Plate & Pin Assy.	1
2	S-739-164	Pin	1	30	A-1823-9	Idler Gear Assy.	1	58	N-00632-2112	Nut	4
3	P-6307	Channel	1	31	P-1637-15	Roll Pin, 1/8" x 1 1/8 Lg.	1	59		#6 Lockwasher	4
4	P-2891-6	Retaining Ring	2					60	SP-100-7	Extension Spring	1
5	A-2893	Pivot Arm Assy. (std.)	1	32	P-1823-11	Gear & Hub Assy.	1	61	A-2895	Coin Kicker & Pin Assy.	1
	A-2893-2	Pivot Arm (include Index No. 77)	1	33	S-1919	Shoulder Screw	1		A-2895-1	Coin Kicker & Pin Assy. (\$1.00 only).	1
		Model 808 - Micro Sw. Counter As Req'd		34	S-1920	Shaft	1	62	P-801-11	Washer	2
6	P-6329-1	Relay Cover	1	35	AS-2304	Disc Assy. (5¢)	1	63	P-150-65	Solenoid Pad	1
7	AS-2662-1	Payout Relay (gen. std.)	1		AS-2304-1	Disc Assy. (10¢)	1	64	A-2885	Override Solenoid & Link Assy.	1
	G-31-1800	Coil	1		AS-2304-2	Disc Assy. (25¢)	1		E-184-198	Solenoid	1
	AS-2662-26	Payout Relay (model 903 & 931)	1		AS-2304-7	Disc Assy. (50¢)	1		AS-2659-8	Hopper Mixer Relay-optional Coil	1
	G-31-1800	Coil	1		AS-2304-10	Disc Assy. (\$1.00/dollar token)	1		G-31-1800	Delay Relay Unit As Req.	
	AS-2662-48	Payout Relay (model 935)	1						AS-2659-55	Delay Relay	1
	G-32-2500	Coil	1	36		#5/16 Lockwasher	1		G-40-12000	Coil	1
	A-2662-5	Payout Relay (model 922)	1	37	M-296-5	Nut - Hex. Cap	1		E-105-132	Resistor (47 ohms, 1 watt)	1
	G-31-1800	Coil	1	38	A-2884-7	Hopper Ring & Scoop Assy.	1		E-587-6	Diode (IN2070 - 750MA)	1
8	E-104-60	Resistor - Large (470 ohm - 10 watt)	1		A-2884-5	Hopper Ring & Scoop Assy. (\$1.00 only).	1		E-109-130	Capacitor (30MFD - 150V)	1
9	E-105-6	Resistor - Sm. (8200 ohm - 1/2 watt)	1	39	P-6657	Scoop Cover	1	66	AS-2662-11	Plum Relay (5 line pay games)	1
		Note: On Model 808 the P. O. Relay is located in the Top Shelf Fea. Unit.		40	SZSR-00600-1104	Screw	3		G-33-2800	Coil	1
10	LSPR-01032-1106	Screw	15			Note: Index No.'s 41-44 is the optional (older style) Front Overflow Hopper Unit used on some Cash Box Style Games.				Note: On some games the Hopper Mixer Relay is located here. Check wire Colors on schematic.	
11	LSPR-00832-1104	Screw	10	41	SP-461	Auger Drive Spring	1	67	P-6312-12	Left Side Mtg. Brkt.	1
12	P-6373-1	Plug Retaining Brkt.	2	42	A-3004	Coin Auger	1	68	P-6311	Platform Brkt.	1
13	E-573-1	Beauplug (24 Pt. Male)	1	43	A-2884-3	Hopper Ring & Scoop Assy.	1	69	P-6312-11	Right Side Mtg. Brkt.	1
	E-573-4	Beauplug (30 Pt. Male) As req		44	C-537-4	Nyliner Bushing	1	70	P-6490-3	Handle	1
14	KPAO-00832-1104	Set Screw	4	45	LSPR-01032-1108	Screw (motor)	4	71	P-801-243	Washer	1
15	S-1943	Collar	2	46	C-845	Hopper Support (std.-die cast)	1	72	PW-010-12	Washer	1
16	MSSR-00440-1108	Screw	2		C-645	Hopper Support (sand cast) As Req.		73	P-7194-1	Rocker Arm Cover - Std. Mech. Type	1
17	E-108-91	Switch - Coin Level Mon- itor	1	47	C-271-3	Cable Clip	1		P-7194-2	Rocker Arm Cover - Model 808	1
18	C-537-5	Nyliner	2	48	LSPR-01032-1116	Screw	1	74	A-3178-1	P. O. Counter Cover	1
19	P-6659	Mtg. Brkt.	1	49	E-119-421	Motor (on Die Cast support)	1	75		This is the Meter Arrangement used on "Hold & Draw" style games.	
20	S-1944	Float Arm	1		E-119-344	Motor (on Sand Cast support) As Req.		76	E-130-10	Counter Meter	1
21	P-2891-6	Retaining Ring	1	50	M-1347	Spade Bolt	2		P-7647	Double Meter Brkt.	1
22	C-675	Float	1	51	SP-100-234	Extension Spring	2		LSPR-00632-1104	Screw	5
23	R-6316-10	Retaining Ring	1	52	LSPT-01032-1108	Screw (Die Cast units)	3			Note: The following parts are used on Model 808 only.	
24	P-801-571	Washer	1		LSPR-01032-1120	Screw (Sand Cast units)	3	77	P-1637-29	Roll Pin (micro-switch engagement)	1
25	C-537-29	Nyliner	1	53	P-6322	Coin Guard.	1	78	KPAO-25020-1104	Set Screw	1
26	N-25020-2112	Nut	1	54	P-6323	Coin Track (5¢)	1	79	A-800-145	Inertia Disc (prevents trapped coin at roller)	1
27		1/4" Lockwasher	1		P-6323-1	Coin Track (10¢)	1				
		Note: The hopper supports (Index No.'s 28 & 46) are available in either Die Cast (new style) or Sand Cast (versions (non-inter- changeable, each with a different motor).			P-6323-2	Coin Track (25¢)	1				
28	C-844	Housing Support (Std.- Die Cast)	1		P-6323-5	Coin Track (50¢)	1				
	C-644	Housing Support (Sand Cast) As Req.			P-6323-6	Coin Track (\$1.00/token)	1				
						Note: For others specify Country & Coin Denomination.					
				55	LSPR-00632-1106	Screw	6				
				56	P-6331	Coin Fence	1				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

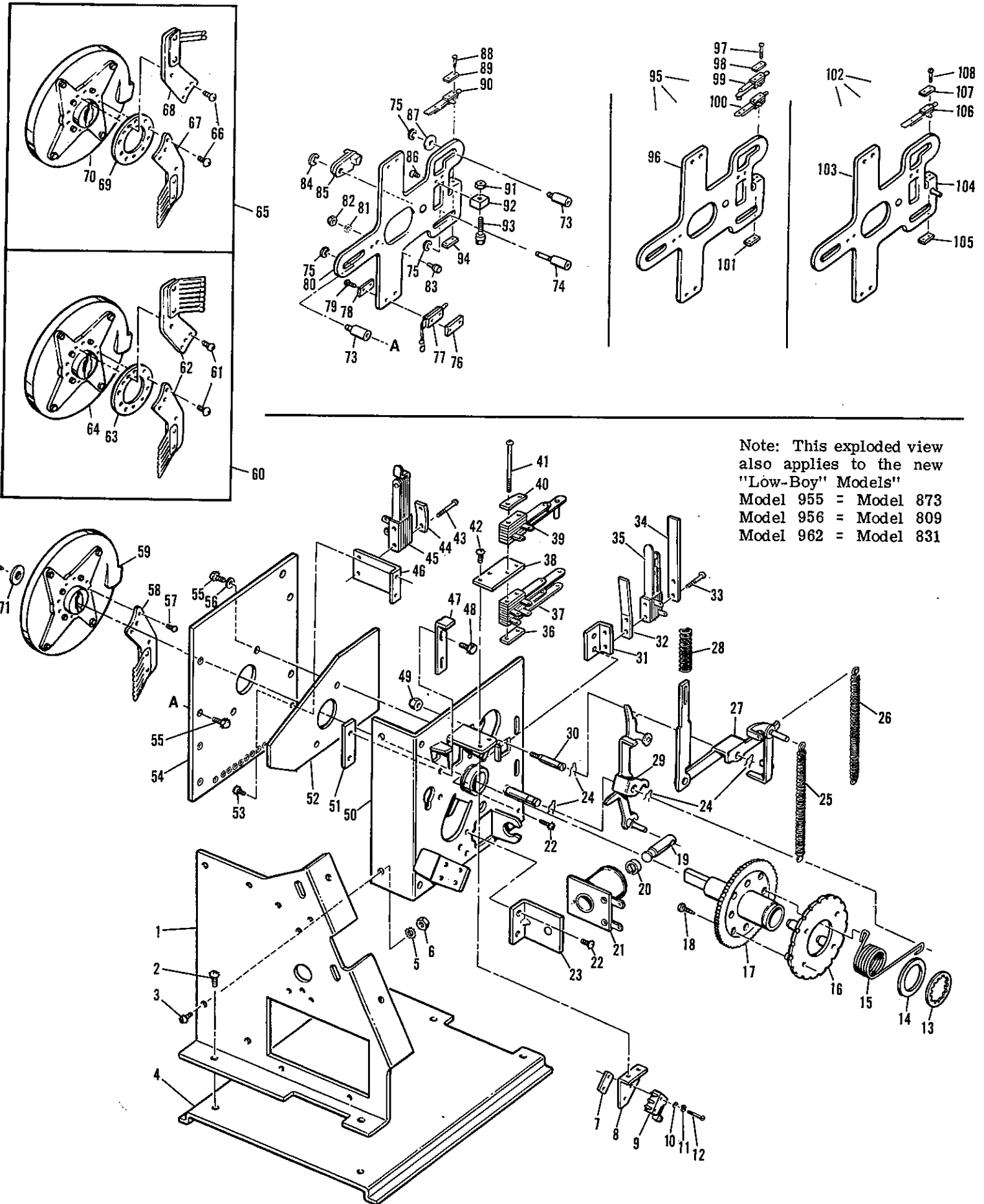
HOPPER PAYOUT UNIT ASSEMBLY - PART II

Mechanically Stepped P. O. Counter

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req.
<p>Note: This Part List covers all Mechanically Stepped P.O. counters. This includes units using either a standard Safety Timer Circuit or a Delay Relay Type Safety Timer Circuit. Because of the tremendous number of customized games the switches on these units can change. The listed switches are normally used on the standard models.</p>				<p>Note: Index No.'s 43-46 & 102 are used on very complex P.O. Units such as Models 922, 952, 962 & 972.</p>				<p>shown). Old & new parts are not interchangeable. Also see Index No.'s 95 & 102 for special Carriage Unit applications. The Old Wiper Carriage Units are shown on Page 112</p>			
1	P-6312-12	Left Side Mtg. Brkt.	1	42	LSPR-00540-1105	Screw	2	76	P-126-154	Retainer Plate	2
2	LSPR-01032-1106	Screw	15	43	MSSR-00540-1110	Screw (1 sw.)	2	77	A-2462-3	Wiper Arm (top & btm.)	2
3	LSPR-00832-1106	Screw	2	44	P-137-5	Spring Plate	1	78	P-137-5	Spring Plate	2
4	P-6311	Platform Brkt.	1	45	ASW-U1-17	Sw.-N.C., Inside Pos. (J.P. circuit open after 20/50 etc.)	1	79	MSSR-00540-1106	Screw	4
5		#8 Lockwasher	2		ASW-U2-21	Sw.-N.C. (same as above)	1-2	80	A-2463-6	Carriage Frame	1
6	N-00832-2112	Nut	2		ASW-U2-33	Sw.-N.O. (closed after 20/50 etc.)	As Req.	81	M-1700-5	Lockwasher	1
7	P-126-578	Retaining Plate	1	46	P-126-637	Sw. Bracket	1	82	N-00540-2112	Nut	1
8	P-126-579	Bracket	1	47	P-6665-15	Stop Brkt.	1	83	A-2465	Pin & Roller Assy.	1
9	E-108-120	Micro Sw. (Delay Relay circuit)	1	48	LSPR-00832-1104	Screw	2	84	P-2891-6	Retaining Ring	1
10	P-801-364	Washer	2	49	M-319-3	Elastic Stop Nut	1	85	C-837	Stop Lever	1
11		#2 Split Lockwasher	2	50	A-1768-44	Base Plate (no provision for step-up coil)	1	86	SFPP-00632-1104	Screw	2
12	MSSR-00256-1108	Screw	2		A-1768-43	Base Plate (2 coil style)	As Req'd	87	P-801-580	Washer	1
13	P-3389	Retaining Ring	1	51	P-1973-150	Mtg. Plate	1	88	MSPR-00348-1108	Screw	2
14	P-801-544	Washer	1	52	P-5081-1	Backing Plate	1	89	P-137-13	Spring Plate	1
15	SP-370-3	Torsion Spring	1	53	LSPR-00832-1104	Screw	2	90	ASW-M2-1	Open at Zero Carriage Sw.	1
16	C-784	Microswitch Cam (Delay Relay)	1	54	A-1573-Series	Contact Plate Assy. (specify complete model no.)	1	91	N-00632-2112	Lock Nut	1
17	C-100	Ratchet & Shaft	1		W-923-Series	Wired Contact Plate Assy. (specify complete model no.)	As Req'd	92	C-851	Block	1
18	SFPP-00832-1106	Screw	4	55	MSOD-00832-1106	Screw	6	93	R-522	Rubber Cushion	1
19	S-496-101	Reset Plunger	1	56	PW-008-12	Washer	2		M-1595	On-Sert Fastener	1
20	C-342	Guide Ring	1	<p>Note: Index No.'s 57-59 comprise the std. single arm wiper assy. #AS-1046-714. See Index No.'s 60 & 64 for other special units.</p>				94	FPAO-00632-1810	Set Screw (Allen)	1
21	C-28-1100	Reset Coil	1	57	SAPB-00400-1106	Screw	2	95	P-126-686	Sw. Retaining Plate	1
22	SFPP-00832-1106	Screw	2	58	A-1400-37	Wiper Arm	1		AS-982-985	Carriage Unit Assy. (Note: This unit is the same as #AS-982-934 except that it employs an additional "O" Sw. This unit is used on hold & draw type machines.)	1
23	A-613-33	Core Plug Assy.	1	59	C-245-1	Spiral Cam	1	96	A-2463-6	Carriage Frame	1
24	M-254	Hair Pin Retainer	1	60	AS-1046-722	Double Arm Wiper Assy. (Models 873 & 955) As Req.		97	MSSR-00348-1112	Screw	2
25	SP-100-120	Extension Spring (step-up Arm)	1	61	SAPB-00400-1106	Screw	4	98	P-137-13	Spring Plate	1
26	SP-100-125	Extension Spring (pawl to pawl - red)	1	62	A-1400-37	Wiper Arm	2	99	ASW-M1-7	Closed at Zero Carriage Switch	1
27	A-1765-16	Step-Up Arm	1	63	P-801-579	Copper Connect. Washer	1	100	ASW-M2-1	Open at Zero Carriage Sw.	1
28	SP-100-264	Compression Spring (to pivot arm)	1	64	C-245-1	Spiral Cam	1	101	P-126-686	Sw. Retaining Plate	1
29	A-1766-1	Reset Arm	1	65	AS-1046-724	Dbl. Arm Wiper Assy. (Models 831 & 889) As Req.		102	AS-982-988	Carriage Unit Assy. (note: This unit is the same as #AS-982-934 except that an additional sw. actuator post is employed. This unit is used in conjunction with Index No.'s 43-46 - open/closed after 20/50 step J. P. payout circuit This type unit is used on complex P. O. circuits such as on Models 922, 952, 962 & 972.	1
30	S-737-48	Pivot Pin	1	66	SAPB-00400-1106	Screw	4				
31	P-126-612	Reset Sw. Brkt.	1	67	A-1400-37	Wiper Arm	1	103	A-2463-7	Carriage Frame	1
32	P-126-330	Plate	1	68	A-1400-40	Wiper Arm	1	104	Aux. Sw. Actuator Pin.	1	
33	MSSR-00540-1116	Screw	2	69	P-801-579	Copper Connect. Washer	1	105	P-126-686	Retainer Plate	1
34	P-126-155	Guard Plate	1	70	C-245-1	Spiral Cam	1	106	ASW-M2-1	Open at Zero Carriage Sw.	1
35	ASW-U2-13	Reset Pawl Sw. (N.C. - inside pos.)	1	71	P-801-107	Washer	1				
	ASW-U2-21	Reset Pawl Sw. (N.C. - outside pos.)	As Nec.	72	SAPR-00800-1106	Screw		107	P-137-13	Spring Plate	1
36	P-126-154	Retaining Plate	1	73	S-458-16	Post	2	108	MSSR-0348-1106	Screw	2
37	ASW-U1-9	Step-Up Arm Sw. (N.O. Inside Pos.)	1	74	S-458-18	Post (longer length used as bumper)	1				
	ASW-U2-12	Step-Up Arm Sw. (N.O. Outside Pos.)	1	75	P-6316-4	Retaining Ring	3				
38	P-126-247	Switch Mtg. Plate	1	<p>Note: Index No.'s 76 - 94 is the new improved Carriage Unit Assembly, #AS-982-934 (replacing #AS-982-510). This new unit must be used with the new Wiper Arm Unit (as</p>							
39	ASW-A1-19	Step-Up Arm Sw. (N.O.)	As Nec.								
40	P-137-5	Spring Plate	1								
41	MSSR-00540-1112	Screw	2								
	MSSR-00540-1122	Screw (w/extra sw.)	2								

HOPPER PAYOUT UNIT ASSEMBLY - PART II

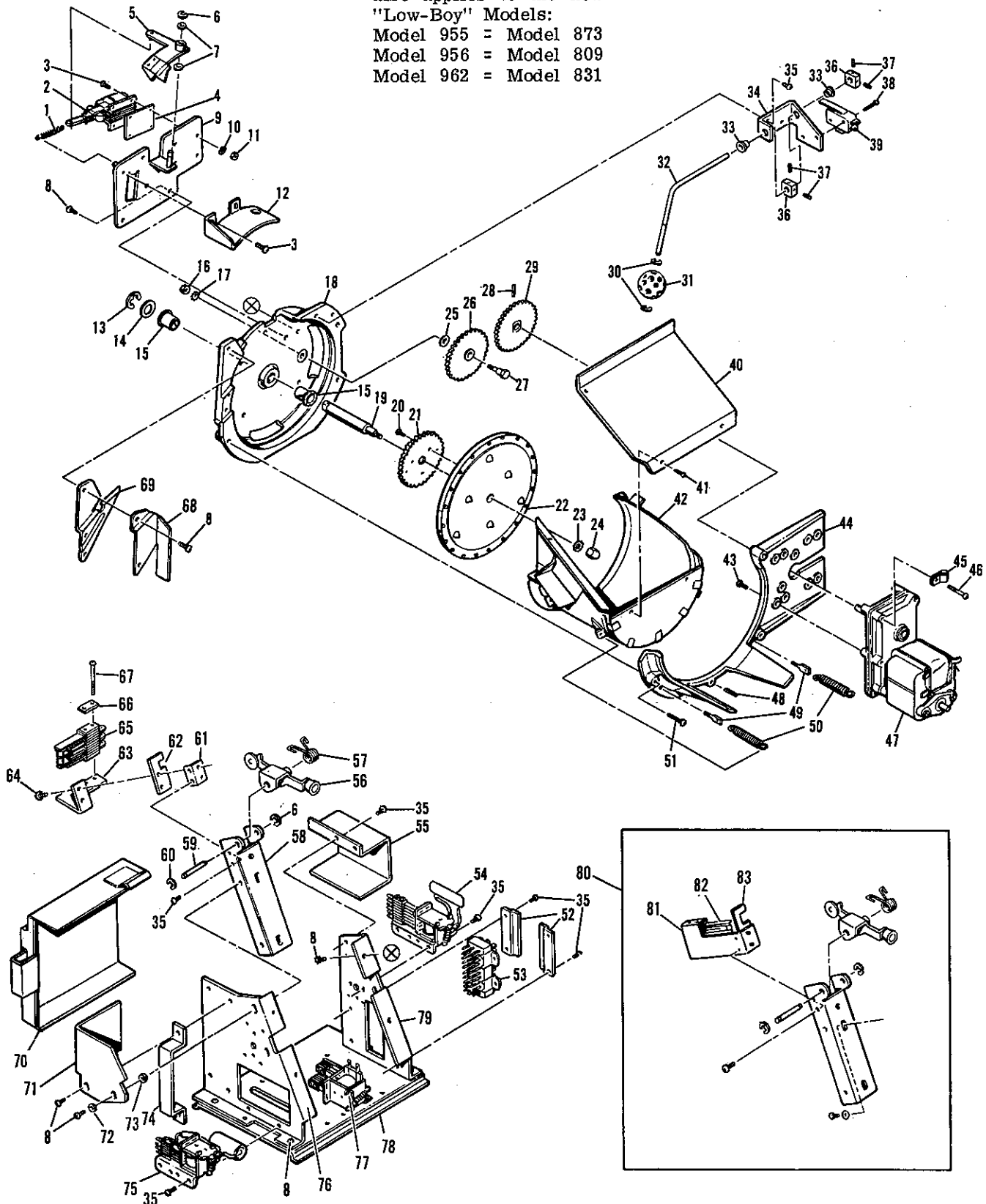
MECHANICALLY STEPPED



HOPPER PAYOUT UNIT - P. I

ELECTRICALLY STEPPED

Note: This exploded view also applies to the new "Low-Boy" Models:
Model 955 = Model 873
Model 956 = Model 809
Model 962 = Model 831



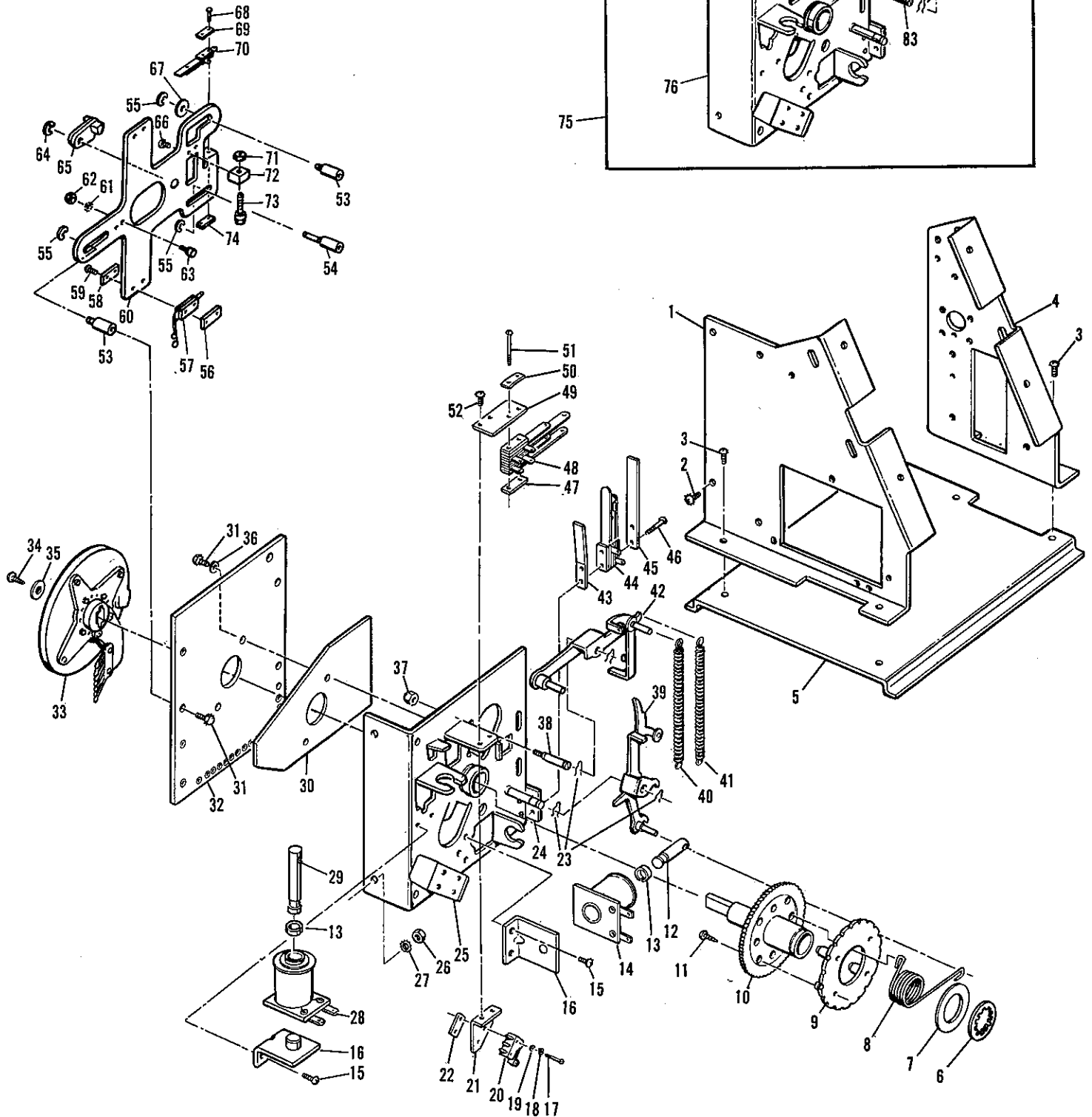
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req.
1	SP-100-7	Extension Spring	1	49	M-1347	Spade Bolt	2
2	A-2885A	Override Solenoid & Link Assy.	1	50	SP-100-234	Extension Spring	2
	E-184-198	Solenoid	1	51	LSPT-01032-1108	Screw (Die Cast unit)	3
3	LSPR-00632-1106	Screw	6		LSPR-01032-1120	Screw (Sand Cast unit)	3
4	P-150-65	Solenoid Pad	1	52	P-6375-1	Plug Retaining Brkt.	2
5	A-2895	Coin Kicker & Pin Assy.	1	53	E-573-1	Beauplug - 24 Pt. Male	1
6	P-2891-6	Retaining Ring	2		E-573-4	Beauplug - 30 Pt. Male	1
7	P-801-11	Washer	2				As Req'd
8	LSPR-01032-1106	Screw	15	54	AS-2662-1	Payout Relay (std.)	1
9	A-2894	Plate & Pin Assy.	1		G-31-1800	Coil	1
10		#6 Lockwasher	4		AS-2662-5	Payout Relay (model 922)	1
11	N-00632-2112	Nut	4		G-31-1800	Coil	1
12	P-6331	Coin Fence	1	55	P-6329-1	Relay Cover	1
13	P-6316-10	Retaining Ring	1	56	A-2893-1	Pivot Arm Assy.	1
14	P-801-571	Washer	1	57	SP-405	Torsion Spring	1
15	C-537-29	Nyliner	2	58	P-6307	Channel	1
16	N-25020-2112	Nut	1	59	S-439-164	Pivot Pin	1
17		1/4" Lockwasher	1	60	P-6317-10	Bowed Retaining Ring	1
	Note: The Hopper Supports (Index No.'s 18 & 44) are available in either Die Cast (std.) or Sand Cast versions (non-interchangeable) each with a different motor unit.			61	P-6665-81	Mtg. Brkt.	1
18	C-844	Housing Support (die cast - std.)	1	62	P-6311	Stop Brkt.	1
	C-644	Housing Support (sand cast)	As Req'd	63	P-126-566	Sw. Brkt.	1
19	S-1920	Shaft	1	64	LSPR-00832-1106	Screw	2
20	LSPR-00832-1107	Screw	3	65	SW-300-71	Switch Unit	1
21	A-1823-6	Gear Assembly	1		ASW-A10-13	Switch - N.O. (top)	1
	Note: Index No.'s 20-21 are component parts of the AS-2304-Series Disc Assembly.				ASW-A10-12	Switch - N.O. (middle)	1
22	AS-2304	Disc Assy. (5¢)	1		ASW-A10-11	Switch - N.O. (bottom)	1
	AS-2304-1	Disc Assy. (10¢)	1	66	P-137-5	Spring Plate	1
	AS-2304-2	Disc Assy. (25¢)	1	67	MSSR-00540-1120	Screw	2
	AS-2304-7	Disc Assy. (50¢)	1	68	P-6322	Coin Guard	1
	AS-2304-10	Disc Assy. (\$1.00/token)	1	69	P-6323	Coin Track (5¢)	1
	Note: For all others specify Country & Coin Denomination.					Coin Track (10¢)	1
23		5/16" Lockwasher	1			Coin Track (25¢)	1
24	M-296-5	Nut, Hex. Cap.	1			Coin Track (50¢)	1
25	P-801-504	Washer	1			Coin Track (\$1.00/Token)	1
26	A-1823-9	Idler Gear Assy.	1				Note: For others specify country & coin denomination.
27	S-1919	Shoulder Screw	1	70	A-3178-1	P.O. Counter Cover	1
28	P-1637-54	Roll Pin (1/8" X 3/4")	1	71	P-7194-1	Rocker Arm & Sw. Cover	1
29	A-1823-11	Gear & Hub Assy.	1	72	PW-010-12	Washer	1
30	P-2891-6	Retaining Ring	1	73	P-801-243	Spacer Washer	1
31	C-675	Float	1	74	P-6490	Handle	1
32	S-1944	Float Arm	1	75	AS-2510	Delay Relay Unit (safety timer)	1
33	C-537-5	Nyliner	2			Delay Relay	1
34	P-6659	Mtg. Brkt.	1		ASW-2659-55	Coil	1
35	LSPR-00832-1104	Screw	14		G-40-12000	Resistor (47 ohms, 1 watt)	1
36	S-1943	Collar	2		E-105-132	Diode (in 2070 - 750 ma)	1
37	KPAO-00832-1104	Set Screw	4		E-587-6	Capacitor (30 mfd - 150V)	1
38	MSSR-00440-1108	Screw	2	76	E-109-130	Left Side Mtg. Brkt.	1
39	E-108-91	Switch (coin level monitor)	1	77	P-6312-12	Hopper Mixer Relay optional	1
40	P-6657	Scoop Cover	1		G-31-1800	Coil	1
41	SZSR-00600-1104	Screw	3	78	P-6311	Platform Brkt.	1
42	A-2884-7	Hopper Ring & Scoop Assy.	1	79	P-6312-11	Right Side Mtg. Brkt.	1
43	LSPR-01032-1108	Screw	5				Note: Index No. 80 is an alternate Hopper Sw. Unit replacing Index No.'s 61-67. This Unit is used where the P.O. Counter causes clearance problems (Sw. is same).
44	C-845	Hopper Support (die cast - std.)	1	80		Hopper Pivot Roller Sw. (3) Unit	1
	C-645	Hopper Support (sand cast)	As Req'd	81	P-126-517	Sw. Brkt.	1
45	C-271-3	Cable Clip	1	82	SW-300-71	Sw. Unit	1
46	LSPR-01032-1116	Screw	1		ASW-A10-13	Sw. - N.O. (top)	1
47	E-119-421	Motor (use on Die Cast type support only)	1		ASW-A10-12	Sw. - N.O. (middle)	1
	E-119-344	Motor (use on Sand Cast type support only)	As Req'd		ASW-A10-11	Sw. - N.O. (bottom)	1
48	P-1637-2	Roll Pin - Scoop Alignment	1		P-137-5	Spring Plate	1
					LSSR-00540-1120	Screw	2
				83	P-6511	Stop Brkt.	1
					LSOD-00832-1104	Screw	2
							Note: Pivot Roller, Spring Channel etc. is the same.

HOPPER PAYOUT UNIT P.II

ELEC. STEPPED

Note: This exploded view also applies to the new "Low-Boy" Models:
Model 955 = Model 873
Model 956 = Model 809
Model 962 = Model 831

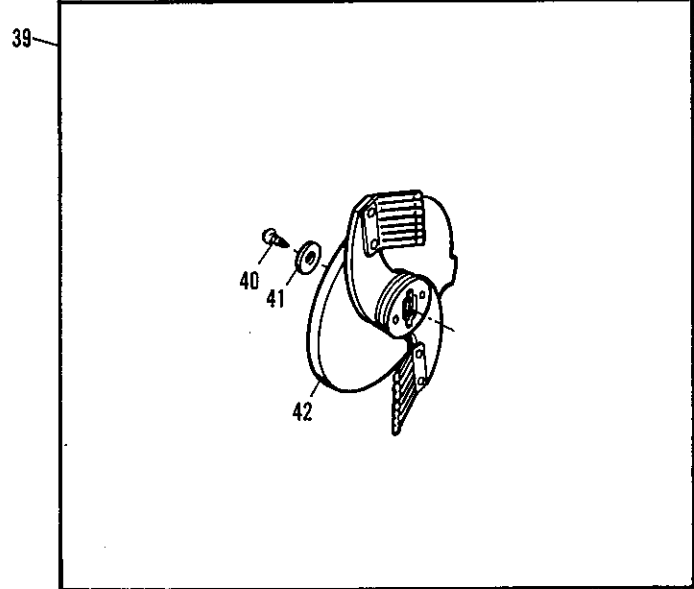
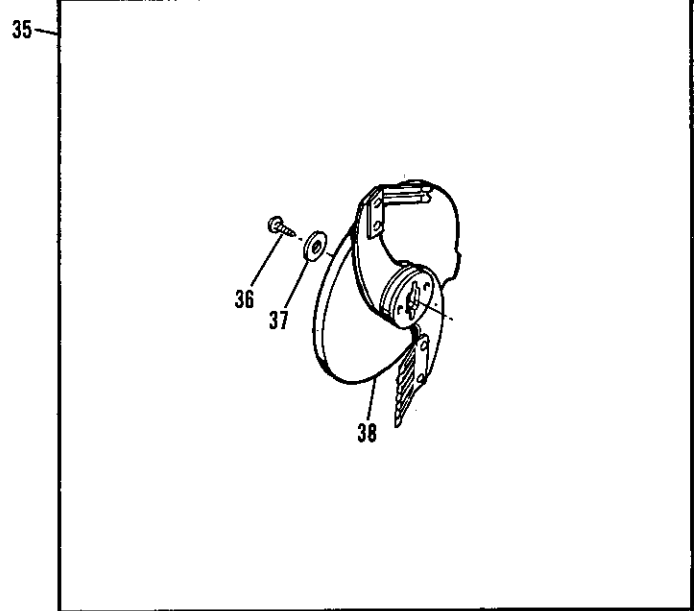
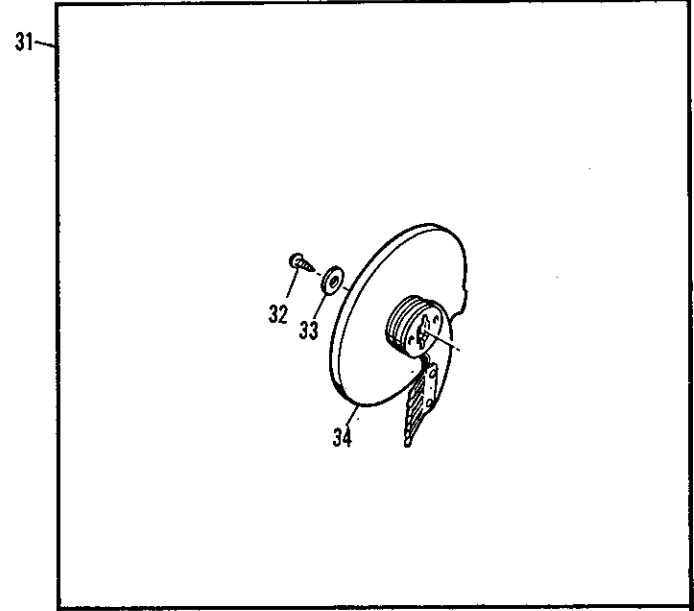
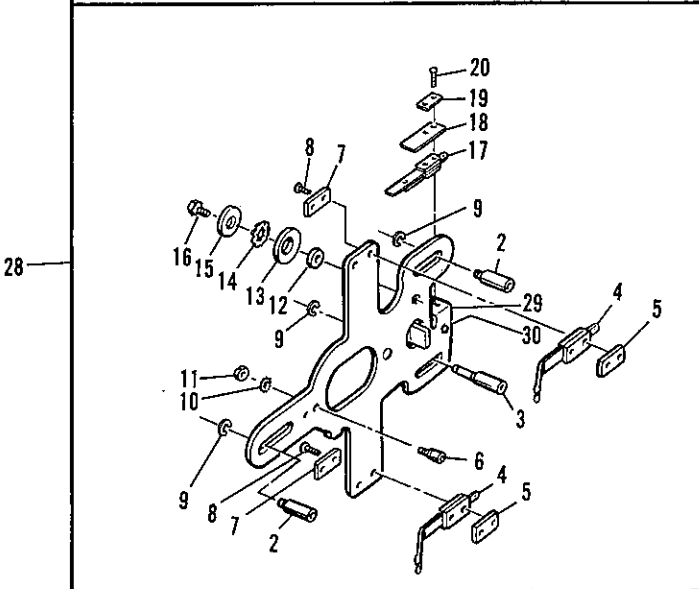
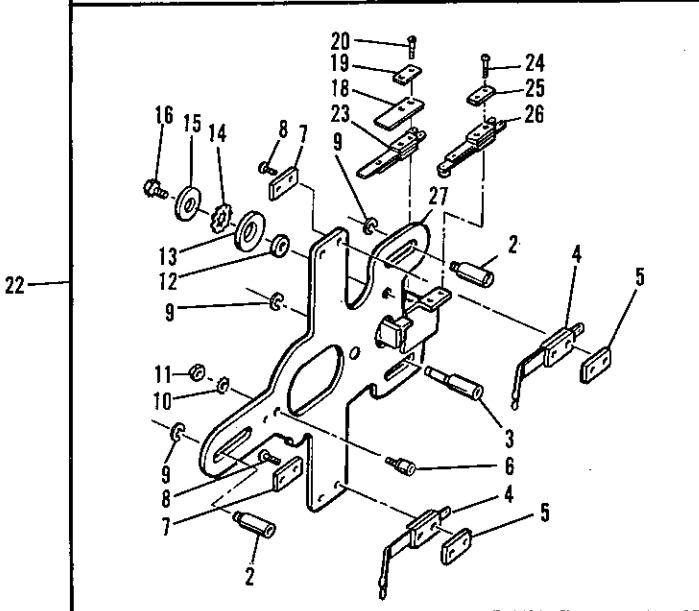
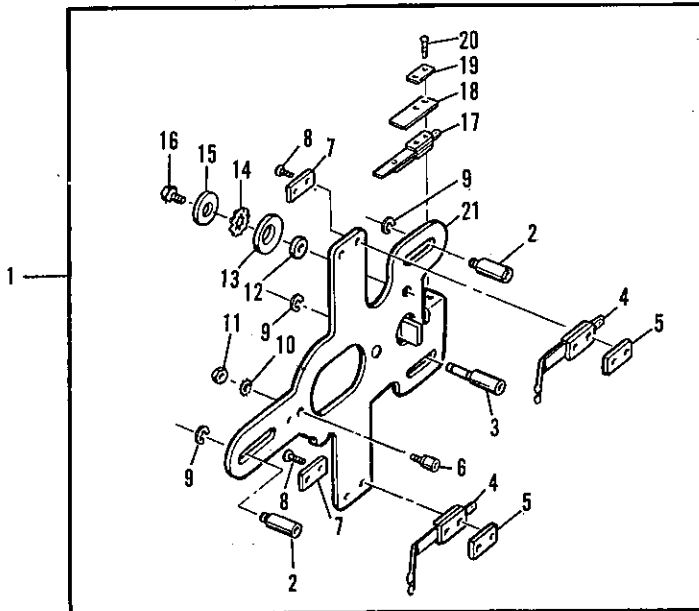


HOPPER PAYOUT UNIT - P. II

Electrically Stepped Counter

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This Part List covers Models 809 & 956. Model 808 is also included because the 2nd Coin P.O. Unit uses a Step-Up Coil.</p>				41	SP-100-125	Extension Spring - Red (Pawl - Pawl)	1
1	P-6312-12	Left Side Mtg. Brkt.	1	42	A-1765-8	Step-Up Arm	1
2	LSPR-00832-1106	Screw (Counter mtg. w/nut)	1	43	P-126-330	Plate	1
3	LSPR-01032-1106	Screw	15	44	ASW-U2-13	Reset Pawl Sw. - N.C.	1
4	P-6312-11	Right Side Mtg. Brkt.	1		ASW-U2-21	Reset Pawl Sw. - N.C. (#2, outside pos.)	As Nec.
5	P-6311	Platform Bracket	1	45	P-126-155	Sw. Protect Plate	1
6	P-3389	Retaining Ring	1	46	MSSR-00540-1112	Screw	2
7	P-801-544	Washer	1	47	P-126-154	Retaining Plate	1
8	SP-370-3	Torsion Spring	1	48	ASW-U1-9	Step-Up Arm Sw. (N.O. Inside Pos.)	1
9	C-784	Cam	1		ASW-U2-12	Step-Up Arm Sw. (N.O. outside pos.)	1
10	C-100	Ratchet & Shaft	1	<p>Note: The following Single Sw. is used on Model 808.</p>			
11	SFPP-00832-1106	Screw	4		ASW-A2-47	Start of Stroke Sw. (N.O.)	1
12	S-496-101	Plunger	1	49	P-126-247	Sw. Mtg. Brkt.	1
13	C-342	Guide Ring	1	50	P-137-5	Spring Plate	1
14	C-28-1100	Reset Coil	1	51	MSSR-00540-1116	Screw	2
15	SFPP-00832-1106	Screw	4	52	LSPR-00540-1105	Screw	2
16	A-613-33	Core Plug Assy.	2	53	S-458-16	Post	2
	A-613-89	Core Plug Assy. (rubber cushion)	Optional	54	S-458-18	Post	1
17	MSSR-00256-1108	Screw	2	55	P-6316-4	Retaining Ring	3
18		#2 Split Lockwasher	2	<p>Note: The following unit is the new improved Carriage Unit Assy., #AS-982-934 (replacing #AS-982-510). This new unit must be used with the new wiper arm unit (old & new parts are not interchangeable).</p>			
19	P-801-364	Washer	2	56	P-126-154	Retainer Plate	2
20	E-108-120	Micro switch (delay relay circuit)	1	57	A-2462-3	Wiper Arm (top & bottom)	2
21	P-126-579	Bracket	1	58	P-137-5	Spring Plate	2
22	P-126-578	Retaining Plate	1	59	MSSR-00540-1106	Screw	4
23	M-254	Hair Pin Retainer	4	60	A-2463-6	Carriage Frame	1
24	P-126-612	Bracket - Reset Sw.	1	61	M-1700-5	Lock Washer	1
	SFPP-00832-1106	Screw	2	62	N-00540-2112	Nut	1
25	A-1768-43	Base Plate Assy.	1	63	A-2465	Pin & Roller Assy.	1
26	N-00832-2112	Nut	2	64	P-2891-6	Retaining Ring	1
27		#8 Lockwasher	2	65	C-837	Stop Lever	1
28	B-26-1100	Step-Up Coil	1	66	SFPP-00632-1104	Screw	2
29	S-496-108	Plunger	1	67	P-801-580	Washer	1
30	P-5081-1	Backing Plate	1	68	MSPR-00348-1108	Screw	2
31	MSOD-00832-1106	Screw	6	69	P-137-13	Spring Plate	1
32	A-1573-Series	Contact Plate Assy. (specify complete model no.)	1	70	ASW-MZ-1	Open at Zero Carriage Switch (N.O.)	1
	W-923-Series	Contact Plate Assy. - wired (specify complete model no.)	As Req.	71	N-00632-2112	Lock Nut	1
<p>Note: The following improved Wiper Assy., #AS-1046-714 (replacing #AS-1046-431), must be used with the new Carriage Unit (illustrated).</p>				72	C-851	Block	1
33	AS-1046-714	Wiper Assy. (single Arm)	1	73	R-522	Rubber Cushion	1
	C-245-1	Spiral Cam	1		M-1595	On-Sert Fastener	1
	A-1400-37	Wiper Arm	1		FPAO-00632-1810	Set Screw (Allen)	1
	SAPB-00400-1106	Screw	2	74	P-126-686	Sw. Retaining Plate	1
34	SZPR-00800-1110	Screw	1	75	<p>These parts are used exclusively on Model 808 "Double-Up".</p>		
35	P-801-107	Washer	1	76	A-1768-38	Base Plate Assy.	1
36	PW-008-12	Washer	2	77	M-319-3	Elastic Stop Nut	1
37	M-319-3	Elastic Stop Nut	1	78	MSSR-00440-1109	Screw	2
38	S-737-48	Pivot Pin	1	79	E-108-110	Microswitch (total-out meter)	1
39	A-1766-1	Reset Pawl	1	80	P-1973-133	Retaining Link	1
40	SP-100-120	Extension Spring (S.U. Arm)	1	81	A-1765-23	Step-Up Arm (combination Step)	1
				82	M-254	Hair Pin Retainer	2
				83	S-737-48	Pivot Pin	1

OLDER PAYOUT COUNTER PARTS

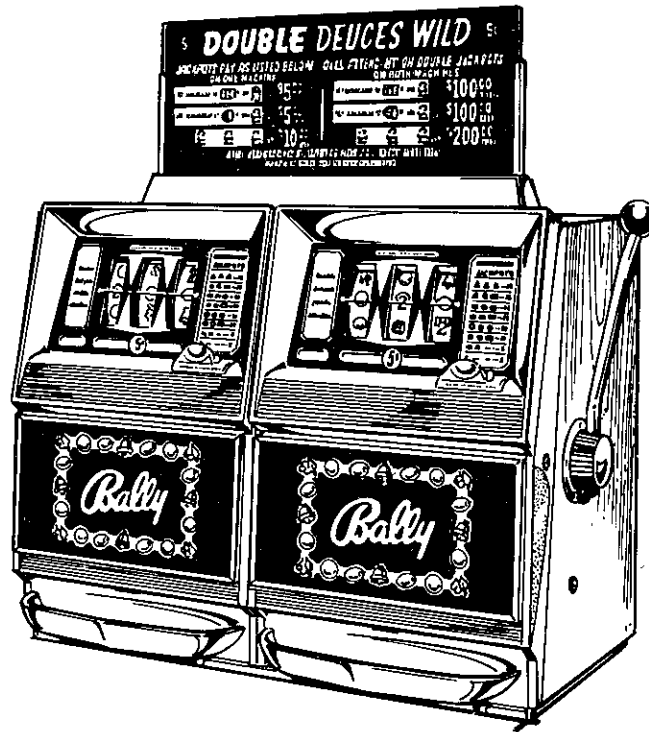


OLDER PAYOUT COUNTER PARTS

Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: These illustrated Carriage & Wiper Units were discontinued in June 1973. These units were standard on all Bally 3 reelers since 1964. The new improved replacement units are shown on the previous pages.</p> <p>The new unit offers the advantage of stronger, shorter Wiper Blade that will give better contact, balance & wear than the older unit. Also the new "O" Stop is stronger & offers an easy & more precise adjustment. The parts for these older units are no longer being made, however our Parts Dept. should be able to continue to supply replacement parts for the immediate future. It is suggested when ordering replacement parts that you consider the new unit set-up. This unit offers greater longevity & reliability - and that is what it is all about.</p> <p>Important Note: Old & New carriage & wiper individual components are not interchangeable.</p>				<p>23 SW-010-201 Sw. (open at zero) . . . 1</p> <p>24 LSSR-00348-1106 Screw 2</p> <p>25 P-137-3 Spring Plate 1</p> <p>26 SW-100-491 Sw. (closed at zero) . . 1</p> <p>27 A-2463-3 Carriage Frame . . . 1</p>			
<p>1 AS-982-510 Carriage & Sw. Assy. (exclude mounting posts) 1</p> <p>Note: This is the Standard Unit used by virtually all 3 reelers in the field with the exception of the Hold & Draw type machine. This Unit has been replaced by #AS-1046-714.</p>				<p>28 AS-982-720 Carriage & Sw. Assy. 1</p> <p>Note: This Unit is used on machines with a complex J. P. payout employing "Open/Closed at 20 or 50" Switches. Model No.'s 922 & 952 use such a unit. The only difference from the std. #AS-982-510 Unit is the Side Switch Actuator Pin (#Index No.'s 29-30). The #AS-982-720 Unit has now been replaced by #AS-982-988 which is shown on the previous pages.</p>			
2	S-458-16	Post	2	29	A-2463-4	Carriage Frame . . .	1
3	S-458-18	Post (extra length as Sw. protect.)	1	30		Sw. Actuator Pin (far side)	
4	A-2462-1	Wiper Assy.	2	31	AS-1046-431	Single Arm Wiper Assy.	
5	P-126-154	Retainer Plate	2	<p>Note: This Wiper is used on the majority of all Bally Slot machines with the exception of the "3 Line Pay" & "5 Line Pay" Units. This Wiper has now been replaced by #AS-1046-714 which is shown on the previous pages.</p>			
6	A-2465	Pin & Roller Assy.	1	32	SZPR-00800-1110	Screw (ratchet & shaft) .	1
7	P-137-5	Spring Plate	2	33	P-801-107	Washer	1
8	MSSR-00540-1106	Screw	4	34	AS-1046-431	Wiper Assy.	1
9	P-6316-4	Retaining Ring	3		C-260	Hub	1
10		#5 Lockwasher	1		C-245	Spiral Cam	1
11	N-00540-2112	Nut	1		A-1400-27	Wiper Arm (7 finger)	1
12	S-231-548	Bushing	1		LSPR-00440-1108	Screw	2
13	R-360	Rubber Bumper (zero adjustment)	1	35	AS-1046-545	Double Arm Wiper . . .	1
14		#10 Lockwasher	1	<p>Note: This Wiper is used on the "3 Line Pay" games (Models 831 & 889). This Wiper has now been superceded by #AS-1046-724 which is shown on the previous pages.</p>			
15	P-801-107	Washer	1	36	SZPR-00800-1110	Screw (Ratchet & Shaft).	1
16	MSOD-00832-1106	Screw	1	37	P-801-107	Washer	1
17	SW-010-163	Sw. (open at zero) . . .	1	38	AS-1046-545	Wiper Assy.	1
18	P-6456	Switch Leaf	1		C-260	Hub	1
19	P-137-3	Spring Plate	1		C-245	Spiral Cam	1
20	LSSR-00348-1106	Screw	2		A-1400-27	Wiper Arm (7 finger) .	1
21	A-2463	Carriage Frame	1		A-1400-31	Wiper Arm (2 finger) .	1
22	AS-982-615	Carriage & Sw. Assy. . .	1		LSPR-00440-1108	Screw	2
<p>Note: This Unit is used on all "Hold & Draw" style games & is very similar to the above std. unit with the exception of the "O" Switches & Sw. Actuator. The #AS-982-615 Unit has been replaced by #AS-982-985 which is shown on the previous pages.</p>				39	AS-1046-624	Double Arm Wiper . . .	1
				<p>Note: This Wiper is used on the "5 Line Pay" games (Models 873 & 955). This Wiper has now been superceded by #AS-1046-722 which is shown on the previous pages.</p>			
				40	SZPR-00800-1110	Screw (ratchet & shaft) .	1
				41	P-801-107	Washer	1
				42	AS-1046-624	Wiper Assy.	1
					C-260	Hub	1
					C-245	Spiral Cam	1
					M-1400-27	Wiper Arm (7 finger).	2
					LSPR-00440-1108	Screw	2

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

MODEL 791 "SIDE BY SIDE"



INTRODUCTION

This big double Slot Machine is actually two separate 742 "Bally Standard" Slot Machines incased in one Wood Cabinet. The "Side By Side" accepts one coin per unit and provides the extra attraction of giant jackpots for 6-reel combinations.

The two 742 units employ identical and separate Coin Acceptor/Reject and Hopper Payout Systems with one keyed Jackpot Lockout Switch. The two Reel Mechanisms are activated from the same power shaft via the Handle Mechanism. Both right and left units must be coined to release the single Handle Lockout Assembly.

The new Model 791 Exploded Views and Part Lists will show the unique Cabinet layout and give detailed information on the two Reel Mechanisms.

The following paragraphs concern the specific differences between the 791 "Side By Side" units and the 742 machines.

Reel Mechanism Assembly

All Reel Mechanism Information is included in the new Model 791 Exploded Views.

791 Cabinet Assembly, AS-2311-19ND

All information is included on the new 791 Cabinet Assembly Exploded View.

791 Front Door Assembly, AS-2312-29ND

The Front Door Assembly is actually two standard 742A type door assemblies bolted together. The two units are joined by three holes drilled in each of the mating Door Frames. Bolt type "A" secures the top and bottom, and Bolt type "B" secures the center using the Lock Hole (see Illustration No. 1).

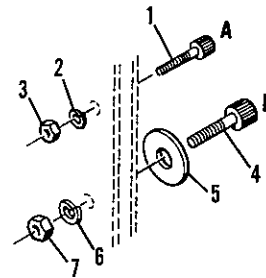


Illustration No. 1

Index No.	Part No.	Description	No. Req'd
1	CSAE-25020-1732	Screw-Allen	2
2		#1/4 Split Lockwasher	2
3	N-25020-2117	Nut	2
4	CSAE-37516-1732	Screw-Allen	1
5	P-801-263	Washer (Lock Side) . .	1
6		#3/8 Split Lockwasher.	1
7	N-37516-2117	Nut	1

MODEL 791 "SIDE BY SIDE"

Both 791 Doors employ the standard 3-reel door unit, each with own coin system. When ordering parts simply refer to the reg. 3 reel door illustration & list.

The two specially drilled mating Door Frames are:

1. Part No. C-657-4 . . . Door Frame - Right
2. Part No. C-657-5 . . . Door Frame - Left

The Fluorescent Light Starter & Ballast system for reel illumination has been moved from the cabinet to a position on the light brkt. assy. This combined unit has Part No. AS-2402 & is shown below.

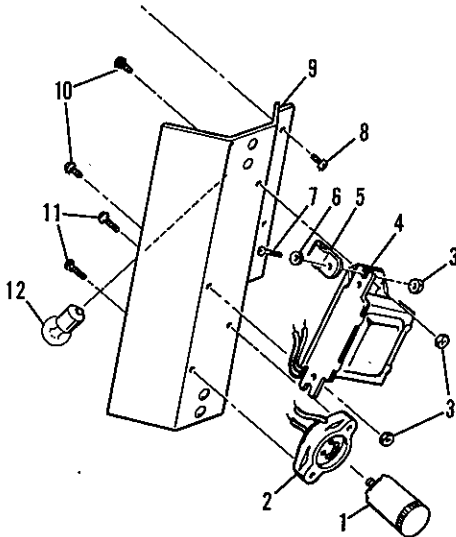


Illustration No. 2

Index No.	Part No.	Description	No. Req'd
1	E-411-4	Fluorescent Starter . . .	2
	E-411-7	Fluorescent Starter - Plastic Case . . .	As Req'd
2	E-120-120	Starter Socket	2
3	N-00632-2112	Nut	6
4	E-409-1	Ballast	2
5	C-271-5	Cable Clip	2
6	PW-006-12	Washer	2
7	LSPR-00632-1108	Screw	2
8	LSPR-00832-1104	Screw	4
9	A-2938-6	Light Bracket - Right . . .	2
10	LSPR-00632-1104	Screw	4
11	LSPR-00632-1108	Screw	4
12	E-125-6	Light Bulb - #63	4

Because of the heavy door weight a special Door Guide Cam is provided. This unit is installed on the lower corner of the door's lock side. When closing the door the unit guides the locking assemblies into a proper interlock position.

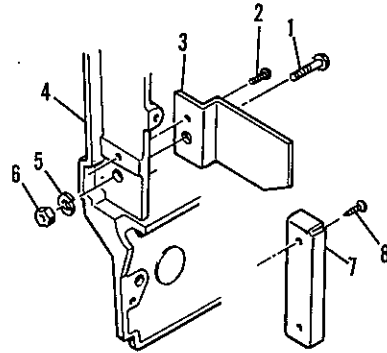


Illustration No. 3

Index No.	Part No.	Description	No. Req'd
1	LSPR-25020-1110	Screw	1
2	MSPT-00820-1104	Screw	1
3	P-6855	Door Lift Cam	1
4		Lower Door Frame	1
5		#8 Split Lockwasher	1
6	N-00832-2112	Nut	1
7	P-6854	Cam Bracket (fits in lower front corner of cabinet)	1
8	WSPR-00800-1108	Wood Screw	2

Handle Release Unit & Handle Mechanism

The Handle Lockout Assembly for Model 791 is the same unit employed on most 742A Models. The unit is listed under Part No. AS-435-73. This unit has a single (N.C. handle rel.) Switch (ASW-A2-13) & Coil (#E-31-2100).

The Handle Mechanism itself is the standard unit as shown in the exploded view.

Hopper Payout Unit

Two identical Hopper Payout Units are used in the #791 Model. These units use a mechanically stepped Payout Counter and are generally the same as the 742A Model. The Payout Relay used is a #AS-2662-5 Relay, using a #G-33-2300 Coil.

CABINET ASSEMBLY

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>The Cabinet Assembly for the "Side By Side" can be described as two 742A games in a single wood cabinet. All standard units & bracketry can be found in the basic 3 reel cabinet exploded view.</p>				15	A-3091	Mtg. Channel - Left	1
				16	FPAO-00632-1105	Set Screw	2
				17	LSPR-00832-1116	Screw(mtg. channel)	2
<p>This drawing shows only the dual cabinet construction & top sign unit.</p>				18	M-1381-Series	Top Sign (specify your model)	1
<p>Note: Index No.'s 1-24 represents the Top Sign & Fluorescent Light Unit.</p>				19	P-6452-5	Back Plate (optional use)	1
1	MSSR-00440-1104	Screw	2	20	A-3091-1	Mtg. Channel - Right	1
2	P-6688-10	Ballast Mtg. Plate	1	21	LSPR-00832-1122	Screw	5
3	WSPR-00800-1108	Wood Screw	1	22	LSPR-00832-1116	Screw	2
4	E-120-120	Starter Socket	1	23	C-711-1	Sign Base - Rear	1
5	E-411	Fluorescent Starter	1	24	LSPR-00832-1118	Screw	4
6	LSPR-01032-1104	Screw	2	25	CA-1164-24	Cabinet	1
7	E-409	Ballast	1		CA-1165-7	Cabinet Base	1
8	N-00832-2112	Nut	3	Note: Specify Wood Finish			
9	C-271-4	Cable Clip	1	26	A-2919-6	Steel Cabinet Liner Assy. - Right	1
10	R-380	Sponge Rubber Strip	1	27	A-2919-5	Steel Cabinet Liner Assembly - Left	1
11	C-711	Sign Base - Front	1	28	P-6665-43	Reel Unit Support Brkt.	1
12	E-412	Fluorescent Lamp (G.E. #F13-T5/CW)	1	29	N-25020-2112	Nut	1
13	LSPR-00632-1103	Screw	2	30	LSPR-00832-1106	Screw	2
14	E-120-119	Lamp Socket	2				

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECHANISM ASSEMBLY - LEFT UNIT

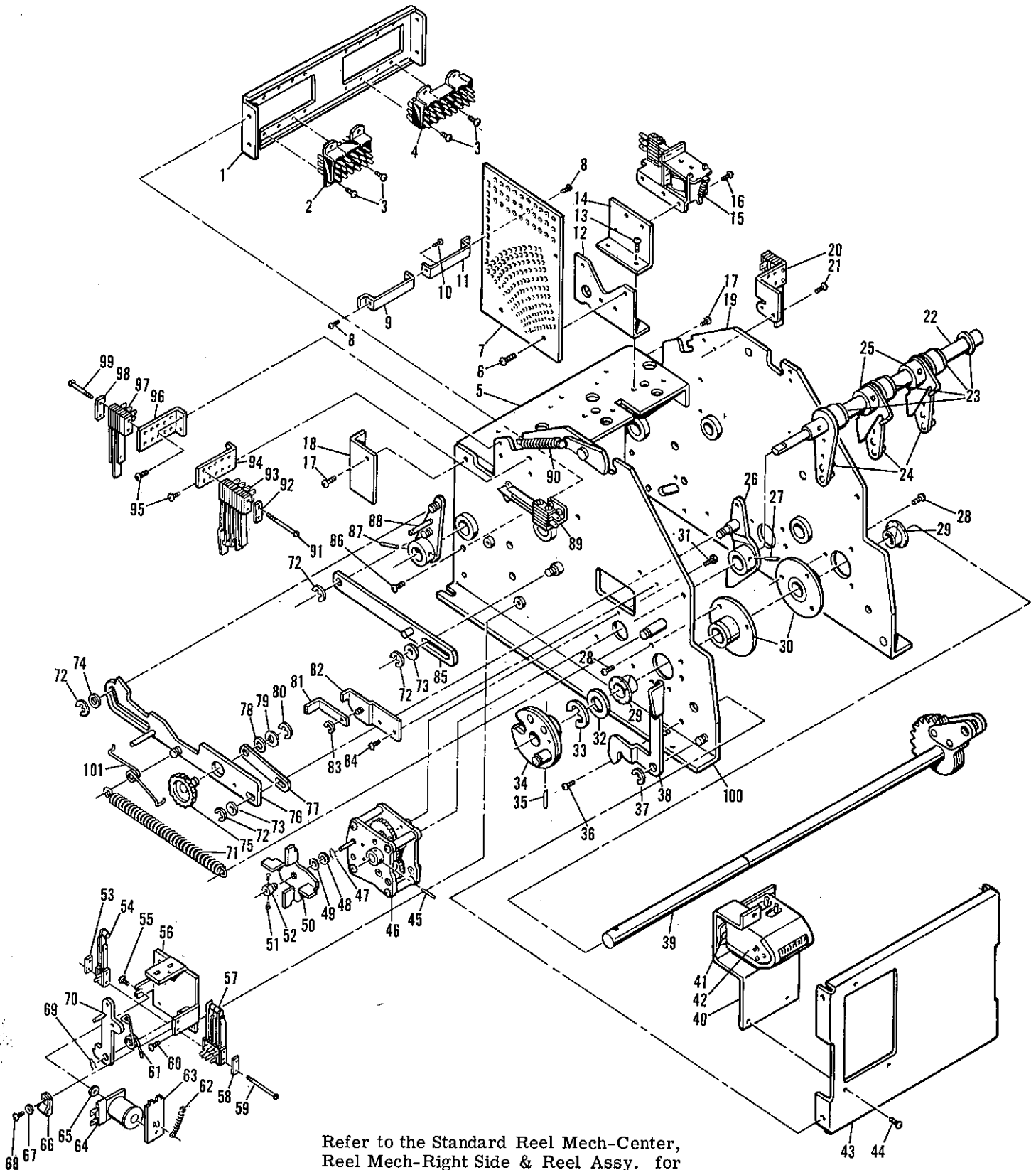
MODEL 791, "SIDE BY SIDE"

Index No.	Part No.	Description	No. Req'd	Index No.	Part No.	Description	No. Req'd
<p>Note: This view covers the Left Reel Mech.'s engagement drive (start motion & trip mechanism). With the exception of the Drive Unit, Timer Shaft (as per Reel Mech-Center) & Dashpot Sw. this unit is the same as the right unit.</p>				22	SP-100-8	Extension Spring	1
				23	A-199-2	Trip Operating Lever	1
				24	P-1637-56	Roll Pin	1
				25	A-178-1	Trip Lever	1
1	A-2874-5	Screw	1	26	P-2891-6	"E" Ring (1/4" shaft)	4
2	LSPR-00540-1103	Screw	2	27	M-331-1	Felt Plug (fits inside spring)	1
3	SP-100-266	Extension Spring	2	28	P-801-207	Washer	1
4	P-126-541	Lock Plate (reel shaft)	1	29	SP-100-241	Extension Spring	1
5	P-704-6	Front Plate (has "Total In" & "Total Out" meters) 1		30	SP-214	Compression Spring	1
6	A-2903	Gear Plate	1	31	S-2033	Drive Shaft	1
	C-537-19	Nyliner	1	32	P-1637-11	Roll Pin	1
7	P-2891-11	"E" Ring (5/8" shaft)	1	33	S-739-157	Coupling Pin	1
8	A-2874-2	Side Plate Assy. - Left	1	34	A-3082-1	Drive Plate & Arm Assy.	1
9	AS-2294-1	Trip Shaft Assy.	1	35	P-800-2	Washer	1
10	P-6373-3	Tie Bar Brkt.	1	36	A-171-1	Overtravel Fork Assy.	1
11	N-01032-2112	Nut	2	37	SP-399-27	Torsion Spring	1
12		#10 Lockwasher	2	38	LSPR-00832-1104	Screw	3
13	LSPR-01032-1104	Screw (tie bar & front plate)	8	39	LSPR-00832-1106	Screw	4
14	P-6287	Stop	1	40	C-112	Cylinder	1
15	P-800-6	Washer	2	41	P-6451	Stop Bracket	1
16	LSOD-01032-1110	Hex. Screw	2	42	LSPR-01032-1106	Screw	1
17	R-116	Bumper	1	43	R-121-1	Piston Cup Seal	1
18	P-474	Bumper Housing	1	44	S-369	Piston	1
19	LSPR-00832-1103	Screw	3	45	S-1071-83	Rod	1
20	S-739-160	Link	1	46	S-231-41	Bushing	2
21	M-319-10	Elastic Stop Nut	2	47	A-2931	Link & Pin Assy.	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

REEL MECHANISM - RIGHT UNIT

MODEL 791, "SIDE BY SIDE"



Refer to the Standard Reel Mech-Center,
Reel Mech-Right Side & Reel Assy. for
all other parts information.

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

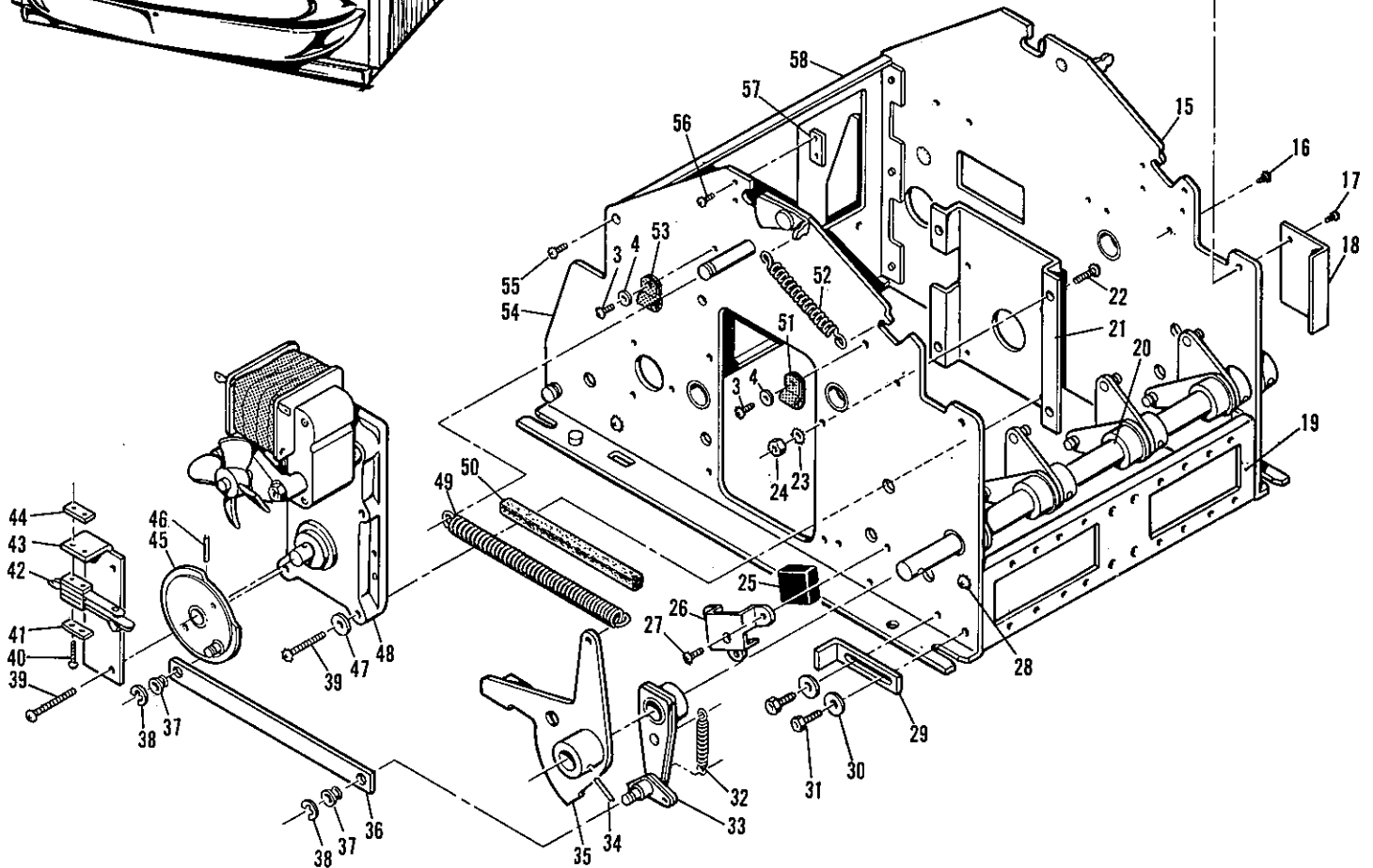
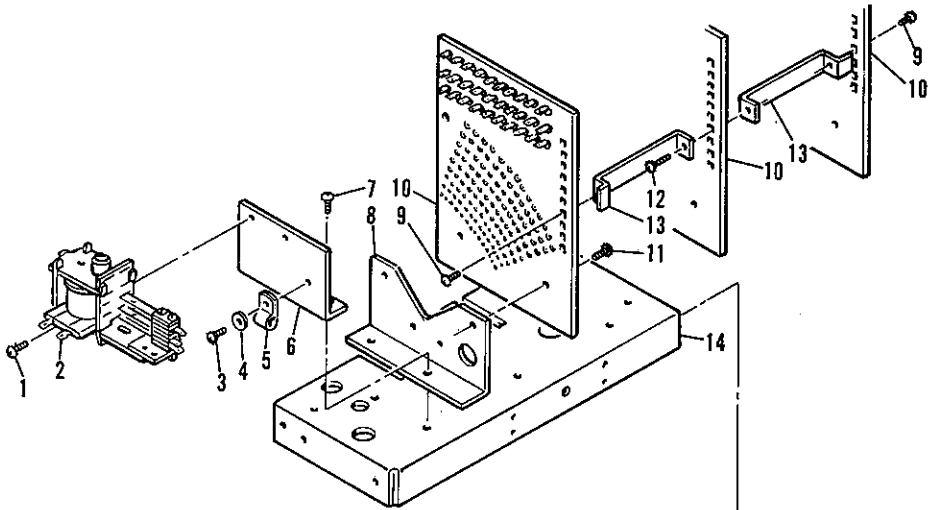
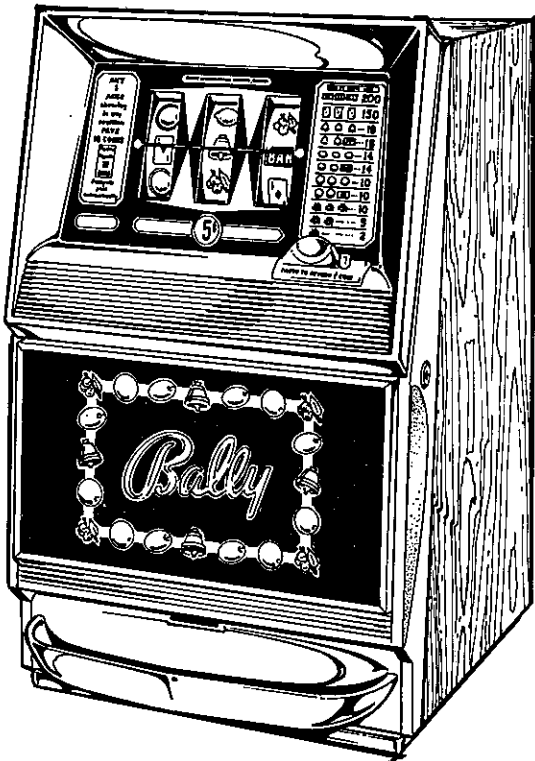
Index No.	Part No.	Description	No. Req'd
Note: Both Reel Mechanisms are generally the same except for the Handle Mech. operated ratchet gear set-up on the right side of the units. Both Mechanisms have the same Coin Relay, Variators, Clock & A, B & C Switch Units. Only one Dashpot Switch is used (right unit).			
1	P-6373-3	Tie Bar Bracket . . .	1
2	E-573	Beauplug - 18 Pt. Male	1
3	LSPR-00632-1103	Screw	8
4	E-573-1	Beauplug - 24 Pt. Male	1
5	P-495-12	Selector Base	1
6	MSPT-01032-1106	Screw	6
7	A-184-39	Contact Plate Disc - Riveted	3
	W-1041-Series	Contact Plate Disc - Riveted & Wired (specify your model no. & reel no.)	3
8	LSPR-00632-1104	Screw	2
9	P-6665-2	Brkt. Stiffener . . .	1
10	LSPR-00632-1105	Screw	1
11	P-6665-2	Brkt. Stiffener . . .	1
12	P-494-6	Contact Plate Brkt. . .	3
13	SFPB-00832-1106	Screw	6
14	P-6665-2	Relay Brkt.	1
15	AS-2659-9	"Jackpot Cancel" Relay	1
	G-33-2500	Coil	1
16	LSPR-00832-1104	Screw	2
17	LSPR-01032-1104	Screw (selector base) .	4
18	P-6683	Cable Shield	1
19	A-2864-6	Side Plate Assy. Right	1
20	AS-982-516	"Dashpot" Sw. Assy. .	1
	ASW-A1-34	Switch (N.C.)	1
21	LSPR-00632-1103	Screw	2
Note: Index No.'s 22-27 are component parts of the Timer Shaft #AS-2294-3 (left unit is diff. - See Reel Mech-Center).			
22	S-1912	Timer Shaft	1
23	P-2891-10	"E" Ring (1/2" Shaft) .	4
24	A-2861	Timer Idler Lever . . .	3
25	A-194-4	Crank Assy.	2
26	A-2860	Timer Lever	1
27	P-1637-53	Roll Pin	4
28	LSPR-00832-1104	Screw	6
29	C-537-31	Nyliner	2
30	A-2903	Gear Plate Assy.	2
31	LSOD-00632-1106	Screw (clock)	3
32	P-801-492	Washer	1
33	P-2891-11	"E" Ring (5/8" shaft) .	1
34	A-3082	Drive Plate & Hub (left unit)	1
35	P-1637-56	Roll Pin	1
36	LSPR-01032-1104	Screw (front plate) . . .	4
37	P-2891-7	"E" Ring (5/16" Shaft) .	2
38	P-6282-1	Lock Lever - Left . . .	1
	P-6282	Lock Lever - Right . . .	1
39	A-2865-2	Gear Assembly	1
40	P-6286-7	Counter Brkt. - Single Unit	1
41	LSPR-00632-1103	Screw	2
42	E-130-10	"Total Out" Counter . .	1
43	P-704-6	Front Plate	1
44	LSPR-00632-1104	Screw	3
45	P-1637-11	Roll Pin	1
46	AS-353-2	Clock (timer shaft) . . .	1
47	M-254	Hair Pin Retainer	1

Index No.	Part No.	Description	No. Req'd
48	P-800-10	Washer	1
49	P-1158-3	Spring Washer	1
50	P-608-14	Fan (brass, anti-magnetic)	1
51	MSSL-00256-1103	Set Screw	2
52	S-1185	Hub	1
Note: Index No.'s 53-70 is the Coin Relay Assembly, #AS-435-50.			
53	P-126-154	Retaining Plate	1
54	ASW-A2-13	Switch (N.C.)	1
55	LSPR-00832-1106	Screw	1
56	A-636-15	Relay Frame Assy.	1
57	SW-102-12	Switch - 4 Units	1
	ASW-A2-25	Switch (top unit #4, N.C.)	1
	ASW-A1-48	Switch (#3, N.O.)	1
	ASW-A3-10	Switch (#2, T.)	1
	ASW-A1-48	Switch (#1, N.O.)	1
58	P-137-5	Spring Plate	1
59	MSSR-00540-1126	Screw	2
60	LSPR-00632-1105	Screw (Mtg.)	2
61	SP-371	Torsion Spring	1
62	SP-100-38	Extension Spring	1
63	A-637-5	Armature Assy.	1
64	F-31-1500	Coil	1
65	P-801-15	Washer	1
66	C-271-4	Cable Clip	1
67	PW-006-12	Washer	1
68	SZSR-00600-1106	Screw	1
69	M-254-2	Hair Pin Retainer	1
70	A-635-7	Armature Latch Assy. . .	1
71	SP-100-241	Extension Spring	1
72	P-2891-6	"E" Ring (1/4" Shaft) . .	4
73	P-800-10	Washer	2
74	P-801-5B	Washer	1
Note: Index No.'s 75-80 is the Timer Link Assy., #AS-2363 (variator & Sw. Timer).			
75	A-432-6	Ratchet & Stud Assy. . .	1
76	A-196-8	Link & Stud Assy.	1
77	P-1973-129	Ratchet Link	1
78	P-1158-23	Spring Washer	1
79	P-801-214	Washer	1
80	P-6316-8	"E" Ring	1
81	P-6644	Ratchet Pawl	1
82	A-3016-1A	Variator Bracket	1
83	P-2891-5	"E" Ring	1
84	LSPR-00832-1104	Screw	2
85	A-2869-1	Reset Link Assy.	1
86	LSPR-01032-1104	Screw (tie bar)	1
87	P-1637-53	Roll Pin	1
88	A-205-7	Sw. Operating Lever . . .	1
89	ASW-A1X-3	"B-1" Sw. - Bottom Unit (N.O.)	1
	ASW-A3X	"B-2" Sw. - Top Unit (N.O.)	1
90	SP-100-266	Extension Spring	2
91	MSSR-00540-1122	Screw	2
92	P-137-5	Spring Plate	1
93	ASW-A1X-8	"C-1" Sw. Bottom Unit (N.C.)	1
	ASW-A1X-9	"C-2" Sw. Midd. Unit (N.C.)	1
	ASW-A1X-10	"C-3" Sw. Top Unit (N.C.)	1
94	P-126-84	Mtg. Plate	1
95	LSPR-00832-1104	Screw	4
96	P-126-84	Mtg. Plate	1
97	ASW-A1X-2	"A" or "A-1" Sw. (N.C.)	1
98	P-137-5	Spring Plate	1
99	MSSR-00540-1113	Screw	1
100	A-2874-7	Side Plate Assy. - Left	1
101	SP-253	Torsion Spring	1

MOTORIZED REEL MECHANISM

AUTOMATIC START MOTION AND TRIP MECHANISM

MODEL 794, "MOTORIZED AUTOMATIC"



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

MOTORIZED REEL MECHANISM

AUTOMATIC START MOTION AND TRIP MECHANISM

MODEL 794, "MOTORIZED AUTOMATIC"

The "Motorized Automatic" Slot Machine is essentially the standard Bally 742A Model without a handle. An "Automatic" kicks-off for a spin once a coin is deposited. There are also models with a button start once a coin is deposited. The "Automatic" offers the advantage of effortless, smooth operation & a fast play cycle. The game also offers a remarkably long service free life as the problem of the hard pulling, "handle pounder", type player has been eliminated.

With the exception of the cabinet design & the motorized portion of the reel mechanism the 794 game is the same as a 742A.

The cabinetry changes are:

- | | |
|----------------|---|
| 1. #CA-1164-27 | Model 794 Wood Cabinet |
| 2. #A-2919-3 | Model 794 Steel Cabinet
Liner Assembly |

The 794 reel mechanism switch assemblies are the same as 742A. The assembly no.'s are:

- | | |
|----------------|---|
| 1. #AS-982-542 | A-1 & A-2 Switch Assy. |
| 2. #ASW-A1X-3 | B Switch Unit |
| 3. #AS-982-541 | C-1, C-2 & C-3 Switch Assy.
(C, D & E on old schematics) |
| 4. #AS-435-50 | Coin Relay & Switch Unit |

Index No.	Part No.	Description	No. Req'd
--------------	-------------	-------------	--------------

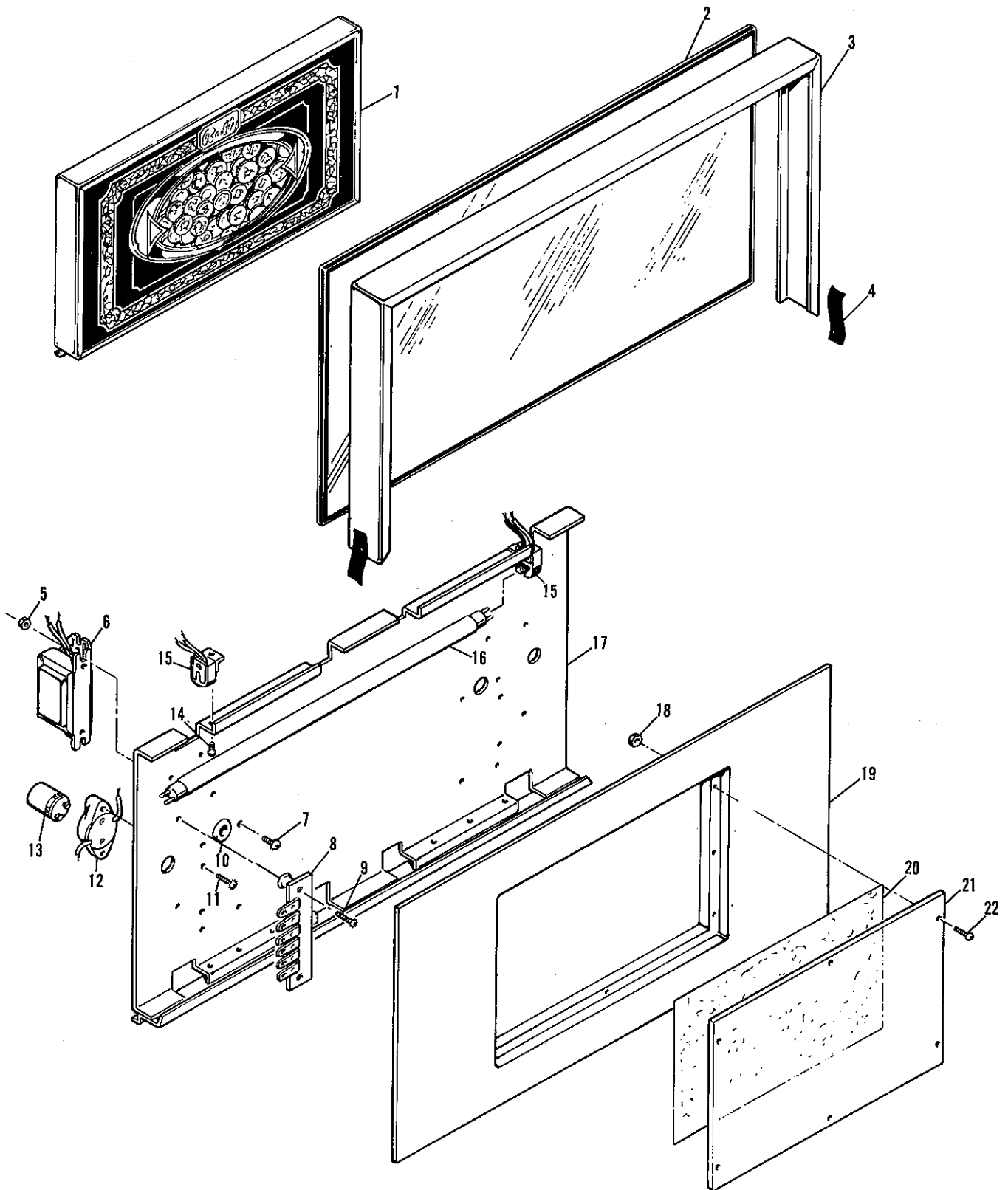
The following part list is the complete automatic start motion & kick off mechanism.

1	LSPR-00832-1104	Screw	2
2	AS-2659-8	"Motor Relay" Assy. .	1
	G-31-1800	Coil	1
3	LSPR-00832-1105	Screw	3
4	PW-008-12	Washer	3
5	C-271-6	Cable Clip	1
6	P-6665-2	Relay Mtg. Brkt. . .	1
7	SFPB-00832-1106	Screw	6
8	P-494-6	Contact Plate Brkt. .	3
9	LSPR-00632-1104	Screw	2
10	A-184-39	Contact Plate Disc Assy.	1
	Note: For a complete WIRED Contact Plate Disc (#W-1041 - Series) specify "Wired" & give complete Model No. & Reel No.		
11	MSPT-01032-1106	Screw	6
12	LSPR-00632-1105	Screw	1
13	P-6635-2	Bracket Stiffener . .	2

14	P-495-12	Selector Base	1
15	A-2874-2	Side Plate Assy. - Left Side	1
16	LSPR-01032-1104	Screw(selector base) .	3
17	LSPR-01032-1106	Screw(selector base) .	1
18	P-6683	Cable Shield	1
19	P-6373-3	Tie Bar Bracket . . .	1
20	AS-2294-1	Trip Shaft Assy. (see reel mech. assy. - center)	1
21	P-6264-10	Motor Mtg. Brkt. . .	1
22	LSPR-01032-1106	Screw	4
23		#10 Lockwasher . . .	4
24	N-01032-2112	Nut	4
25	R-116	Rubber Bumper . . .	1
26	P-474	Bumper Housing . . .	1
27	LSPR-00832-1103	Screw	3
28	LSPR-01032-1104	Screw (tie bar) . . .	3
29	P-6287	Trip Stop	1
30	P-800-6	Washer	2
31	LSOD-1032-1110	Screw	2
32	SP-100-8	Extension Spring . . .	1
33	A-199-3	Trip Operating Lever Assembly	1
34	P-1637-56	Roll Pin	1
35	A-178-2	Trip Lever	1
36	P-1973-166	Trip Link	1
37	C-537-5	Nyliner	1
38	P-2891-6	"E" Ring (1/4" Shaft) .	2
39	LSPR-01032-1120	Screw	4
40	MSSR-00540-1108	Screw	2
41	P-137-5	Spring Plate	1
42	ASW-C1-21	Switch	1
43	P-126-553	Mounting Bracket . .	1
44	P-126-154	Retaining Plate . . .	1
45	A-800-142	Cam & Hub Assy. . .	1
46	P-1637-10	Roll Pin	1
47	P-801-107	Washer	2
48	E-119-360	Motor - 115V, 50/60 Cycle, 30 RPM	1
49	SP-100-241	Extension Spring . . .	1
50	M-331-1	Felt Plug	1
51	C-271-4	Cable Clip	1
52	SP-100-266	Extension Spring . . .	2
53	C-271-2	Cable Clip	1
54	A-2874-8	Side Plate Assy. - Right Side	1
55	LSPR-01032-1104	Screw(front plate) . .	5
56	LSPR-00540-1103	Screw	2
57	P-126-541	Lock Plate(reel shaft)	1
58	P-704-6	Front Plate	1

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

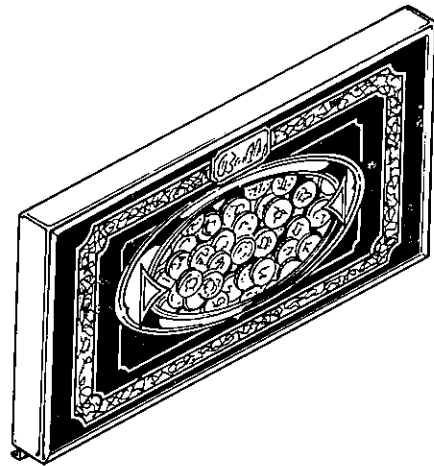
JACKPOT COIN DISPLAY UNIT



ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

JACKPOT COIN DISPLAY UNIT

A special Jackpot Coin Display is now being offered as an accessory item for your 3 & 4 reel slot machines. This attractive, illuminated coin unit brings back the traditional jackpot display which was standard on machines manufactured from 1925 through the 1950's. This new unit combines the old nostalgic appeal of the jackpot coin display with a design that blends beautifully with all current fronts (1964 and on). This new Jackpot Display Unit is easily installed in a few minutes (simply replaces the standard display unit). The jackpot chamber can be filled with your selection of coins, tokens or cash (permanent, non-drop display) to suit the requirements of your club.

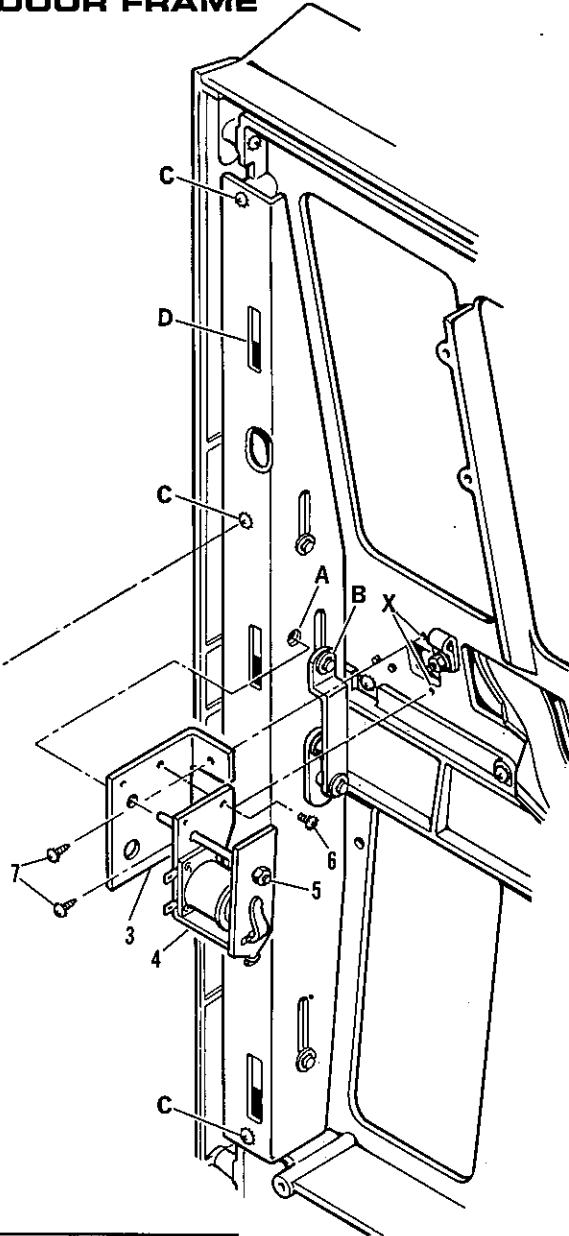
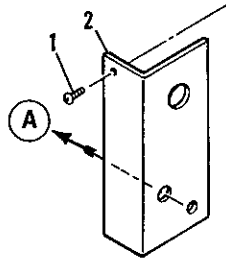
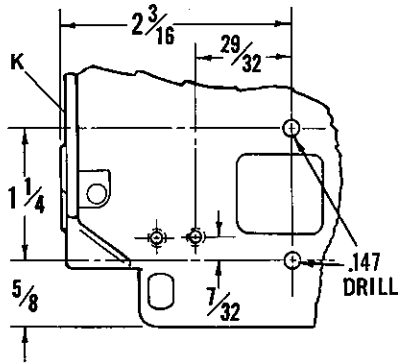


Index No.	Part No.	Description	No. Req.	Index No.	Part No.	Description	No. Req.
<p>Note: This view shows the new J.P. Coin Display Case. This new Unit can be ordered as an optional accessory on a new machine or conversion parts can be ordered for any standard Bally Slot Machine manufactured since 1964.</p> <p>The Coin Display is also illuminated. It has been found that a loosely filled coin (3/4 full) chamber with just the TOP Fluorescent Tube on gives the best reflection & appearance to the display. Also - do not forget to install the Embossed Foil (silver finish) Background Sheet to the back of the Coin Display. Use double sided tape to install this Background Sheet.</p> <p>The Conversion Kit (#K-432, 3 reel type) includes Index No. 's 2, 19-23. Because of the thickness of Index No. 20 you will have to remove the sponge rubber strips on the framework. Also remove the lower fluorescent tube (Note: appearance suggestions in the previous paragraph).</p>				5	N-00632-2112	Nut	2
				6	E-409-1	Ballast	1
				7	LSPR-00632-1104	Screw (ballast)	2
				8	A-1119-78 M-1337-10	Contact Strip Assy. Spacer	1 2
				9	SWPR-00632-1108	Screw	2
				10	R-111-8	Grommet	1
				11	LSPR-00632-1108	Screw	2
				12	E-120-119	Fluor. Starter Socket	1
				13	E-411-4 E-411-7	Fluor. Starter (Std. USA) Fluor. Starter (plastic case - Europe - Australia only)	1 1
				14	LSPR-00632-1103	Screw	2
				15	E-120-119	Fluor. Tube Socket	2
				16	E-412-5	Fluorescent Tube	1
				17	A-3621B	Glass Retainer Assy.	1
				18	N-00540-2112	Nut	6
				19	C-875	Coin Light-Up Display	1
				20	M-1704	Foil Background	1
				21	M-1690	Display Glass	1
				22	LSPR-00540-1106	Screw	6
<p>STANDARD 3 REEL UNIT</p>							
1	AS-2358-23	Jackpot Display Unit (complete)	1				
2	G-350-299	Display Glass (black background)	1				
	G-350-298	Display Glass (blue background).	1				
3	P-6573-1	Chrome Retainer Frame	1				
4		Black Elect. Tape (to framework)	As Req.				

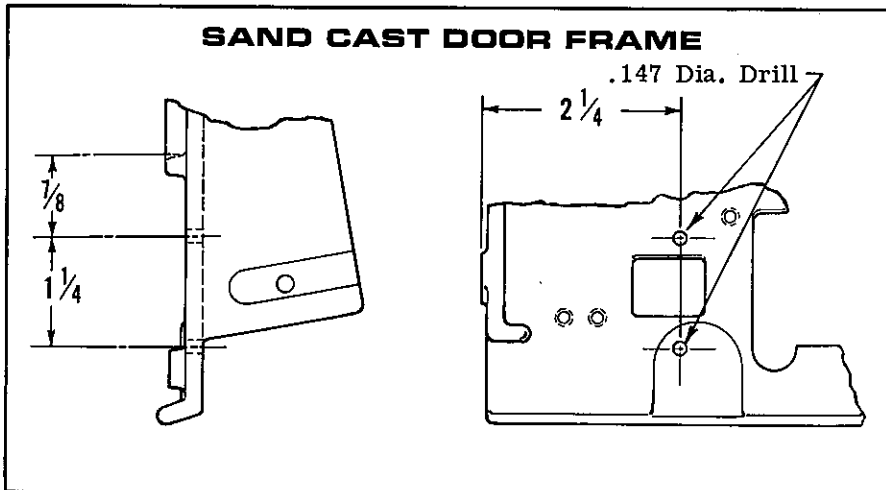
ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

ELECTRIC DOOR LOCK

DIE CAST DOOR FRAME



SAND CAST DOOR FRAME



ELECTRIC DOOR LOCK

The Electric Door Lock is a special security system that adds an additional electrically operated interior lock to the standard front door key lock. This interior electric bar lock operates from a separate, concealed 110V power source (other voltage available). Normally a bank of slot Machines has a central, secured master switch that controls the elect. door locks. This master switch is accessible only to the authorized operator.

The advantage of the double lock system is if an unauthorized person has a special master key, special lock tools, or a stolen key; this person may be able to operate the outside keyed door lock but still will not be able to open the door. This is because the interior electrically operated bar lock has not been released. This double system also gives management better operational control over employees & slot service personnel.

This Lock Unit can be ordered in 3 styles; the Standard 110V Unit #AS-2452; a 50V Unit, #AS-2452-1 and a 220V Unit #AS-2452-2. PLEASE SPECIFY THE VOLTAGE WHEN ORDERING.

On all recently manufactured machines (1971) a bar lock hole has been provided on the Lock Slide Unit at Point "A" & mounting holes for the Lock Unit are shown at Point X (die cast frame). With this set-up the unit can easily be installed using two screws (Bally #SAPB-00832-1106) as shown. Note: the coin ramp shield is removed.

On older games (pre 1970-71) the Lock Unit mounting holes must be drilled in the frame (.147 Dia. Drill). See the drilling plan for either sand cast frame or die cast frame.

The bar lock hole (Point "A") must be drilled on older games. This hole (5/16" Dia.) can easily be located by using a factory supplied Drilling Jig (Part #P-7117). Now follow these directions:

- (1) Remove the one "E" Ring at Point "B" & drop off the lock crank.
- (2) Remove the 5 screws ("C") & remove the 2 piece Lock Slide Unit in a down or locked position - Note point "D".
- (3) Now install the drilling jig on the lock slide

assembly (locked position) by fitting it over Point "B" & screwing it in place as indicated.

- (4) Now Drill a 5/16" hole. Smooth & remove all burrs with a round rail tail file.
- (5) Re-install & fit Bar Lock Unit. Check the locking bar for clearance & smooth operation, then lightly grease the hole when all is ok.
- (6) Important: The Locking Unit must be securely locked down by the mounting screws & the bar lock itself must have good smooth hole clearance. A jammed bar lock can create a hell of a problem.

BAR LOCK PARTS

Index No.	Part No.	Description	No. Req'd
1	MSPT-00832-1104	Screw (Ref. "C") . . .	5
2	P-7117	Drilling Jig	1
Note: Index No. 's 3-6 comprise the Electric Bar Lock Unit, #AS-2452 (110V), #AS-2452-1 (50V), & #AS-2452-2 (220V).			
3	P-7597-1	Mounting Bracket . . .	
4	AS-2517-10	Latch Magnet Assy. (110V)	1
	FE-37-5750	Coil (110V)	1
	AS-2517-16	Latch Magnet Assy. (50V)	1
	FE-33-2600	Coil (50V)	1
	AS-2517-17	Latch Magnet Assembly (220V)	1
	FE-40-11500	Coil (220V)	1
5	S-2026	Bar Shaft	1
	M-319-4	Elastic Stop Nut	1
6	LSPR-00832-1104	Screw	2
7	SFPB-00832-1106	Screw - Binding Hd. . . .	2

ALWAYS GIVE MODEL AND PART NO. WHEN ORDERING SERVICE PARTS

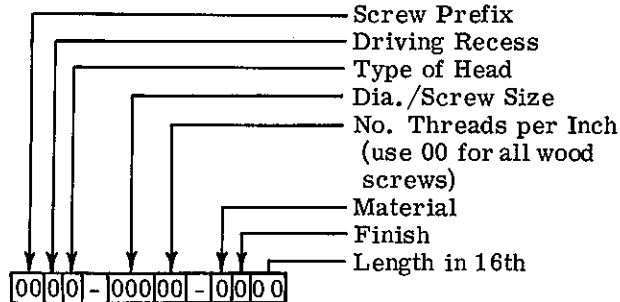
SCREWS & FASTENERS

the new computerized hardware procurement, inventory & assembly system, the part numbers for all screws, bolts, washers, nuts etc. had to be changed. Although the old part numbers used the easily un-

derstood American standard system it could not be used in the complex computer card system. The following conversion tables will give you the data on how the new computerized hardware system is made up.

SCREWS & BOLTS

Screws & bolts are now described by a 13 letter group. This is the set-up:



CODE	SCREW PREFIX
CB	Carriage Bolt
CP	Set Screw - Cup Pt.
CS	Cap Screw
FP	Set Screw - Flat Pt.
KP	Set Screw - Knurled
LS	Mach. Screw w/Lock Wash.
MF	Mach. Thd. - Type F
MS	Mach. Screw
PC	Set Screw - Cone Pt.
RL	Rolok Screw
SA	Sheet Metal - Type A
SB	Sheet Metal - Type B
SF	Swage Form
SL	Sheet Metal - Type L
SW	Mach. Thd. Scr. Type 23
SY	Sheet Metal - Type 25
SZ	Sheet Metal Type Z
WP	Set Screw - W Point
WQ	Wood Screw - Type 17
WS	Wood Screw
LS	Mach. Scr.

CODE	DRIVING RECESS
O	None
A	Allen
P*	Phillips
S	Slotted
H	Holt
*Pozi	can be sub. for Phillips in Europe

Code	Type of Head
A	Washer Hd. - Round
B	Binding Hd.
C	Washer Hd. - Hex
D	Hex Hd. - Indent
E	Knurled Cap. Hd.
F	Flat Hd.
H	Hex Hd.
L	Fillister Hd.
O	None
P	Pan Hd.
R	Round Hd.
T	Truss Hd.
U	Binding Hd. - Undercut
Z	Oval Hd.

CODE	Diameter or Screw Size
002	2
003	3
004	4
005	5
006	6
008	8
010	10
250	1/4
312	5/16
375	3/8
437	7/16
500	1/2

No. of Threads per Inch
13
14
16
18
20
24
28
32
36
40
48
56

Code	Material
1	Steel
2	Brass
3	Stainless Steel
4	Aluminum
5	Plastic
6	Nylon

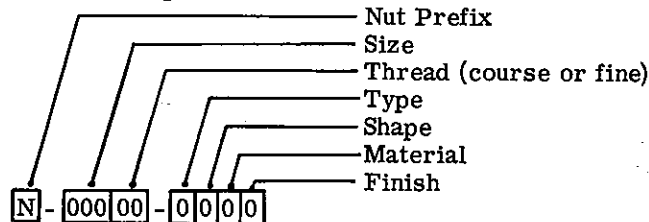
SCREWS & BOLTS

Code	Finish
0	None
1	Zinc
2	Cad Plate
3	Nickel
4	Chromium
5	Zinc Waxed
6	Nickel Waxed
7	Blued
8	Black Oxide
9	Waxed

Code	Length
02	1/8
03	3/16
04	1/4
05	5/16
06	3/8
07	7/16
08	1/2
09	9/16
10	5/8
11	11/16
12	3/4
13	13/16
14	7/8
15	15/16
16	1 Inch
etc	etc

NUTS

Nuts are now described by a 10 letter group. This is the set-Up:

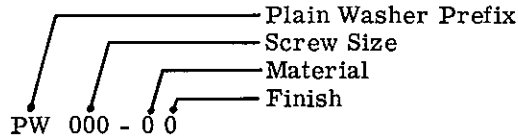


SIZE: Std. Dim. of Mach. Scr. Nuts					
Code	Size	Course Thread	Fine Thread	Width Across Flats	Thickness
002	2	56	64	3/16	1/16
003	3	48	56	3/16	1/16
004	4	36		1/4	3/32
004	4	40	48	1/4	3/32
005	5	40	44	5/16	7/64
006	6	32	40	5/16	7/64
008	8	32	36	11/32	1/8
010	10	24	32	3/8	1/8
012	12	24	28	7/16	5/32
250	1/4	20	28	7/16	3/16
312	5/6	18	24	9/16	7/32
375	3/8	16	24	5/8	1/4

Code	Type	Shape	Material	Finish
0	No chamfer			None
1	Sgle. "	Hex	Steel	Cadium
2	Dbl. "	Square	Brass	Zinc
3	Jam		Stainless Steel	Nickel
4	Slotted			Chromium
5				Copper
6				Tin
7				Blued
8				Black Oxide
9				Lacquered

WASHERS

Plain Washers now are described by a 7 letter group. This is the set-up:



Code	Inside Dia.	Outside Dia.	Thickness	Screw & Bolt Size
002	3/32	1/4	1/32	2
003	7/64	1/4	1/32	3
004	1/8	9/32	1/32	4
005	9/64	3/8	1/32	5
006	5/32	3/8	1/32	6
008	11/64	3/8	1/32	8
010	13/64	7/16	1/32	10
012	7/32	1/2	3/64	12
250	17/64	9/16	3/64	1/4
312	21/64	3/4	1/16	5/16
375	25/64	7/8	1/16	3/8
437	1/2	1-1/4	5/64	7/16
500	9/16	1-3/8	7/64	1/2

Code	Material	Finish
0		None
1	Steel	Cadmium
2	Brass	Zinc
3		Nickel
4		Chromium
5		Copper
6		Tin
7		Blued
8		Black Oxide
9		Lacquered

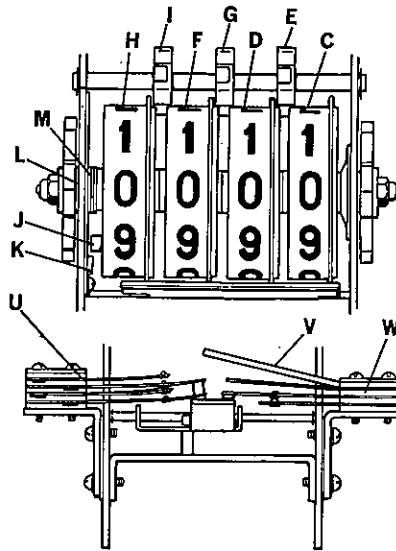
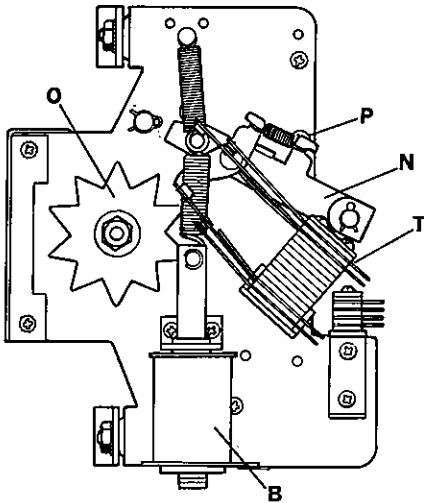
NEW COIL NUMBERS

This Conversion Chart shows Bally's new computerized Coil Part Numbers. This list covers all Coils in current use.

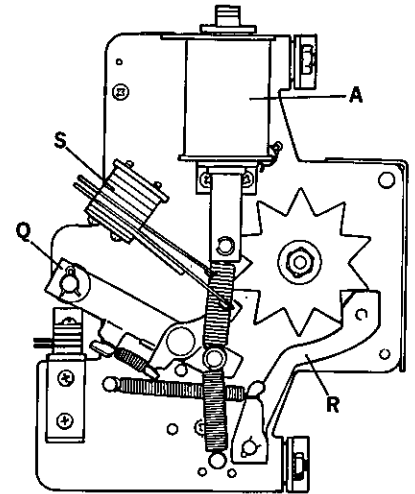
Old Coil Number	New Bally Coil Number	Old Coil Number	New Bally Coil Number
CO-25A-7	A-25-1050	E-184-213	A-27-1300
CO-25GG-7	B-25-925	E-184-218	F-31-1500
CO-25H-7	BC-25-925	E-184-224	F-31-2100
CO-26A-9	A-26-1100	E-184-225	G-31-1500
CO-26GG-9	B-26-1100	E-184-231	CA-29800-900
CO-27R-11	C-27-1000	E-184-235	AK-25-1050
CO-28R-15	C-28-1100	E-184-236	J-28-1100
CO-28ZZ-15	CF-28-1100	E-184-237	BA-26-1040
E-184-41	BF-27-1250	E-184-241	AF-25600-1000
E-184-46	EA-30-1150	E-184-243	A-26-1200
E-184-47	EA-32-1550	E-184-248	FC-30-1300
E-184-55	B-29-1200	E-184-249	BF-28-1500
E-184-56	A-27-1100	E-184-250	D-30-700
E-184-74	CF-28-1025	E-184-252	BB-26655-1245
E-184-75	E-32-1700	E-184-254	FC-30-1400
E-184-112	EA-29-950	E-184-257	AP-25-1050
E-184-121	B-25-750	E-184-260	B-28-1600
E-184-130	EB-35-3200	E-184-261	AP-31-3000
E-184-135	BA-25-925	E-184-262	A-26-1200
E-184-137	AP-26-1200	E-184-263	AF-27775-861
E-184-149	B-30-2645	E-184-264	A-28-1900
E-184-155	D-27-425	E-184-265	AF-25600-1000
E-184-156	D-28-500	E-184-266	D-29-675
E-184-160	B-25-750	E-184-267	L-24-875
E-184-175	AP-27-1300	E-184-268	AF-26750-800
E-184-180	CE-33-4800	E-184-269	FC-33-2600 *
E-184-190	AF-25600-1000	E-184-270	AB-31-3000
E-184-204	AF-27100-1300	E-184-271	AK-24-750
E-184-205	B-27-1300	E-184-272	A-25-1000
E-184-206	CD-29-1600	E-184-274	FC-32-2100
E-184-207	A-27-1400	E-101-58	AS-2517-14a
E-184-212	A-31-3000	E-101-72	AS-2517-1a

REPLAY REGISTER ADJUSTMENT

RIGHT SIDE



LEFT SIDE



The following information is a general function & trouble shooting guide for the Replay Register Unit.

1. General Part Identification & Function Reference.

- A. Step-Up Coil (#A-27-1400 - Old No.:CO-26A-9, interchangeable)
- B. Subtract Coil(#A-27-1100 - Old No.:E-184-56A, interchangeable)
- C. Wheel No. 1 - Right Side (#C-339-2B) is keyed on the Shaft.
- D. Wheel No. 2 - Center (#C-339-1B) is actuated by Wheel No. 1 & Pinion "E" (#C-175-5A)
- F. Wheel No. 3 - Center (#C-339-1B) is actuated by Wheel No. 2 & Pinion "G".
- H. Wheel No. 4 - Left (#C-339B) is actuated by wheel No. 3 & Pinion "T".

(Note: Inspect Stud "J" on Wheel No. 4 & Stop "K" for any damage - This can cause run-overs)

- L. #P-801-157B Washer.
- M. The four Reels should have little lateral movement. Looseness can cause Reel skipping & failure to center under fast operation. The following Shim Washers are installed on the left side for proper Reel control: #P-801-351B (0.031. Thickness) & #P-801-157B (.042 Thickness). Generally a combination of Three Washers are used.
- N. Actuator Arm (Subtract). This Arm should be centered on the Ratchet "O" & operate freely & smoothly. Slow or sporatic reel action indicates the Arm is not engaging the

Ratchet or is binding. A light Grease should also be applied to the sliding & rotating parts.

- P. See that the Screw (#6-32 x 3/16" Lg. Binder Hd. Screw) is not interfering with the Actuator Arm.
- Q. Actuator Arm (Add). This Arm should operate freely & be centered on the Ratchet "O". Slow or sporatic Reel action means the Arm is not fully engaging the Ratchet or is binding. A light grease should also be applied to the sliding & rotating parts.
- R. Index Hold Pawl. This Arm keeps the unit operating one digit at a time. The Arm should operate freely & be centered on the Ratchet "O". Multiple digit fast operation, skipping & failure of the First Reel to center can mean the Pawl Arm is not engaging the Ratchet.
- S. This Switch is installed on some units as a special counter circuit in conjunction with an auxilliary meter. A loose installation with no firm "make" contact can cause a clattering sound.
- T. This Switch is installed on some units as a special Hopper Payout Safety Timer Circuit & Game Cut-Off. A loose installation with no firm "make" contact can cause a clattering sound.
- U. Zero & Coin Circuit Switch. If this Switch is binding it can cause the Unit to have an inability to reset to Zero, or a clattering from one to zero.
- V. Watch for any interference of this Guard Plate on any of the rear Switches. Keep it bent up to prevent any binding.
- W. Coin Lockout Switch. If this Switch is binding it can cause an uncontrolled clattering of the Unit & an inability to reset to zero.

NOTES