SERVICE MANUAL and PARTS LIST

MODELS

500 - 100 Selections
501 - 160 Selections
503 - 160 Selections
504 - 100 Selections

ROCK-OLA MANUFACTURING CORPORATION
800 N. KEDZIE AVE., CHICAGO, ILL. 60651

Two wall box models are available to accommodate either a 160 selection or 100 selection phonograph. Both models are audio type and are operated on 24 volts, 60 cycle that is supplied from the signal generator in the Receiver Unit. The Program Lights and Select Lights are type #47 lamps, operated from the 6 volt tap on the Auto Transformer in the Wall Box. It requires a 11 wire cable to do the following:

1. Four (4) wires are required to supply power to the Wall Box. Two (2) of the four wires supply power to the Gear Motor, Auto Transformer, Relays and the Accumulator Check-Off Solenoid. The third wire is a over-lapping lock-out circuit from the Receiver to the Lock-Out Relay. The fourth wire in conjunction with one of the power circuit wires constitute the Signal circuit that keys the Receiver Unit.

2. Four (4) wires to operate the Wall Box Audio System. Three (3) of the wires operate the left and right channel wall box speakers. The fourth wire establishes a "locking" circuit from the phonograph to the Audio Control Relay in the Wall Box. This allows speakers to be ON in that particular wall box that is registering a selection. The wall box Volume Level is controlled by the customer thru the use of an external 3 Position Volume Control Switch.

3. The last three (3) wires are Coin counting circuits from the wall box to the Wall Box Adapter mounted in the Coin Counter Unit. (This equipment is optional.)

The wire inter-connecting cable should not be smaller than #18 gauge (for each wire) in order that the voltage drop from the phonograph to the wall boxes be kept to a minimum. Do not use excessively long lengths of cable (80 ft. max. for #18 gauge) and do not connect more than six wall boxes to any one length of cable.

The 25 volt signal transformer in the Receiver Unit is capable of supplying power to 12 Wall Boxes. Using more than this number of boxes may result in burning out the 3 Amp. Fustat on the Receiver Unit, or the prolonged heating of the transformer may cause it to fail.

The operation of the system requires intermittent pulsing of the Pulse relays in the receiver unit and is accomplished when the grounded Contact Wiper Arm on the wall box Gear Motor passes over the connected contacts on the Contact Biscuit Assembly. (Sequence Diagrams of the wall box operation are shown starting with Page 8.)

Pressed on the shaft of the gear motor is a Cam Cluster which is used to perform operations as follows:

1. The bottom cam operates the pushbutton switch Lock Bar.

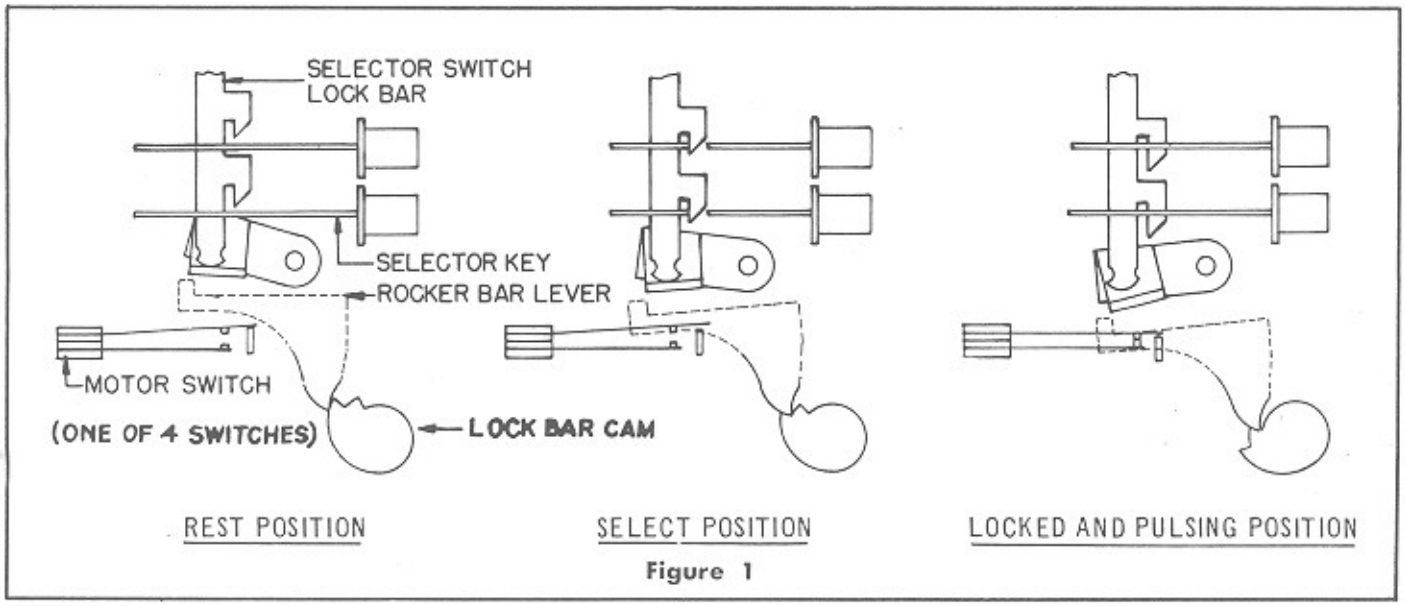


Figure 1

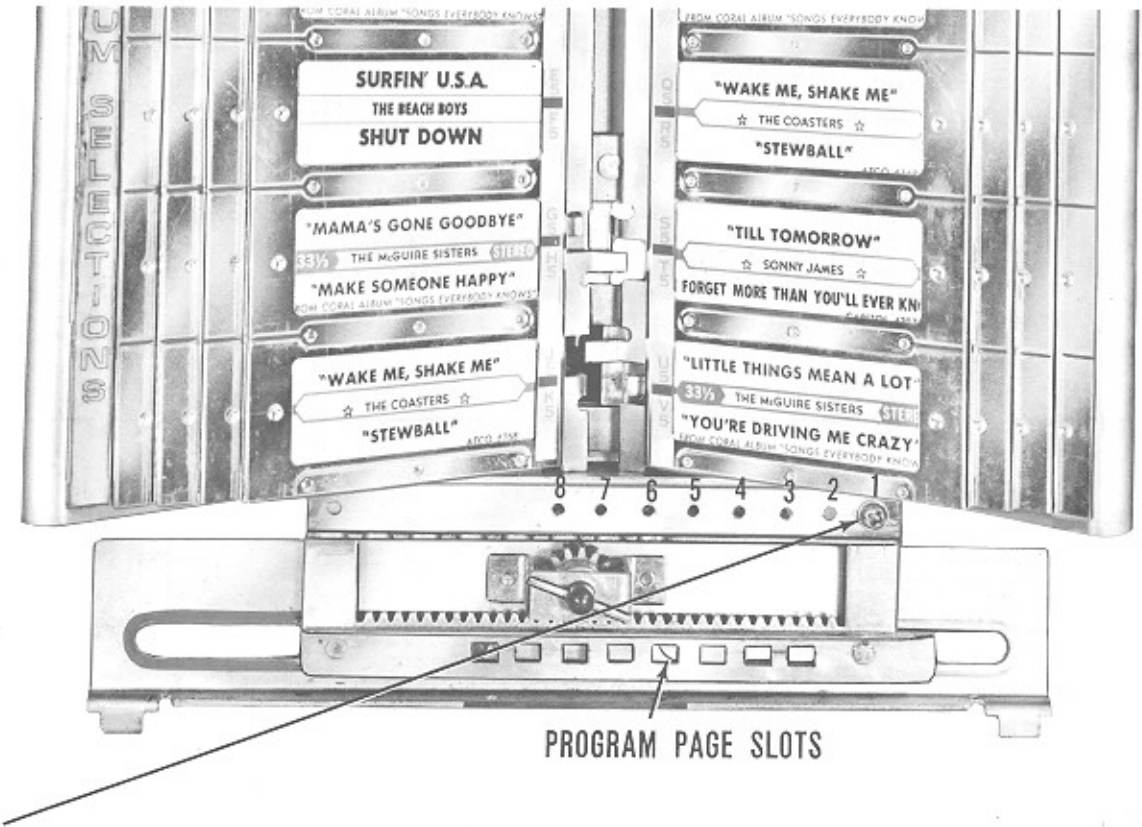
2. The center cam operates an Anti-Cheat Switch and four Motor Carry-over Switches. (See Fig. 3)

There are three important positions of the cam cluster for each cycle, namely, the Rest Position, Select Position, and the Locked and Pulsing Position. These positions are shown in Fig. 1.

At the Rest Position, in which no credits are established, the selector buttons are free to move in or out, because the lock bar cam is holding the selector lock bar switch up, thereby disengaging the selector keys. Likewise, the four motor cam switches are held open by the motor switch cam.

When a credit is established by a deposited coin, the circuit to the gear motor is completed through the accumulator switch contact and the grounded contact wiper. The contact wiper is then rotated away from the contact plate, thereby breaking the circuit to the gear motor. This is the Select Position. The rocker bar lever through the action of the lock bar cam on the cam cluster has lowered to the Select Position, moving the selector switch lock bar downward. This results in the selector button locking immediately upon being pressed.

As a pushbutton is pressed the circuit to the gear motor is again closed causing the lock bar to drop to its lowest position. This is the Locked and Pulse position. As the contact wiper rotates, a train of pulses corresponding to the selection made, are transmitted to the Receiver Unit. Simultaneously, a mechanical "page latch" is moved forward engaging the program page slot. (See Fig. 2) This action prevents pages being turned during the selection pulsing cycle.



NOTE: To accommodate Album selections (one record side for 25¢) for any page or pages, insert screw or screws into the threaded holes which correspond to the page or pages to be programmed with LP records.

Figure 2

In completing its cycle, the lock bar cam cluster allows the selector key to be released through the action of the rocker bar lever and selector switch lock bar. The switch lever, through the action of the motor switch cam of the cluster opens the circuit to the gear motor by means of the motor switch, which completes the cycle.

If only one credit was established the short contact wiper will come to rest on the contact plate and the cam cluster will resume its Rest Position. On the other hand, if more than one credit was established, the wiper will not rest on the contact plate, but will move past it and come to rest at the Select Position. The cycle will then again be repeated when a selector button is pressed.

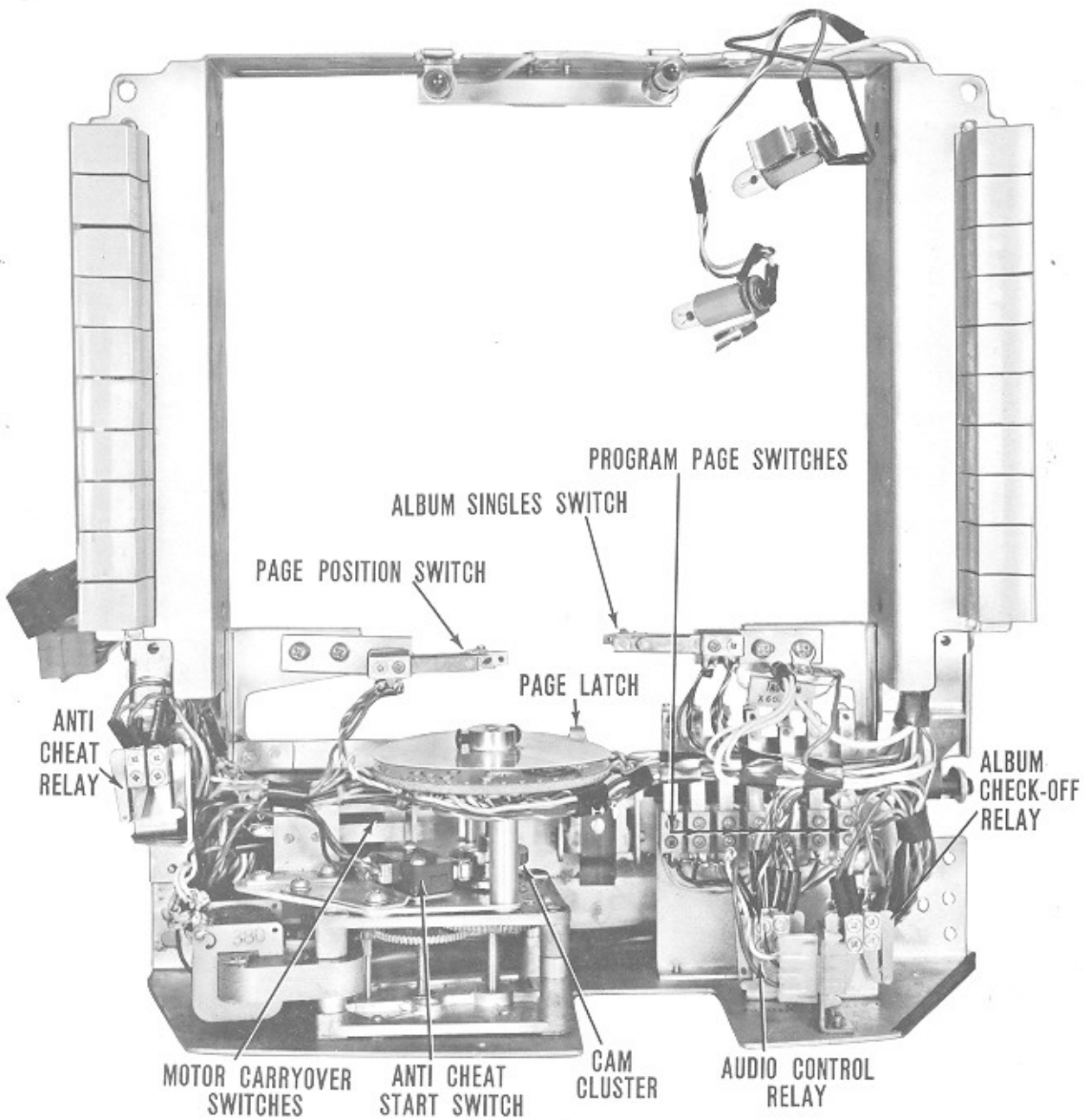


Figure 3

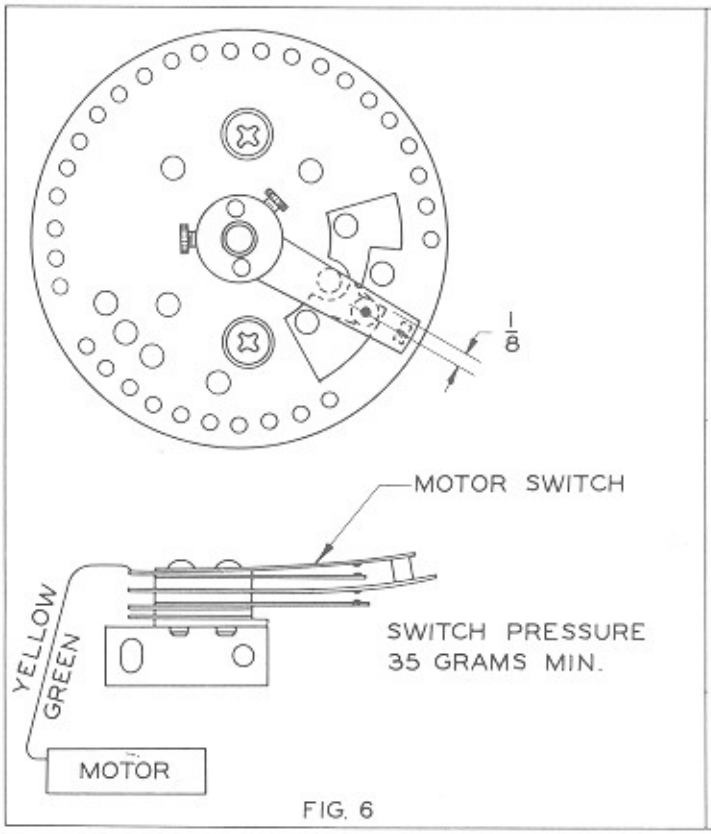


FIG. 6

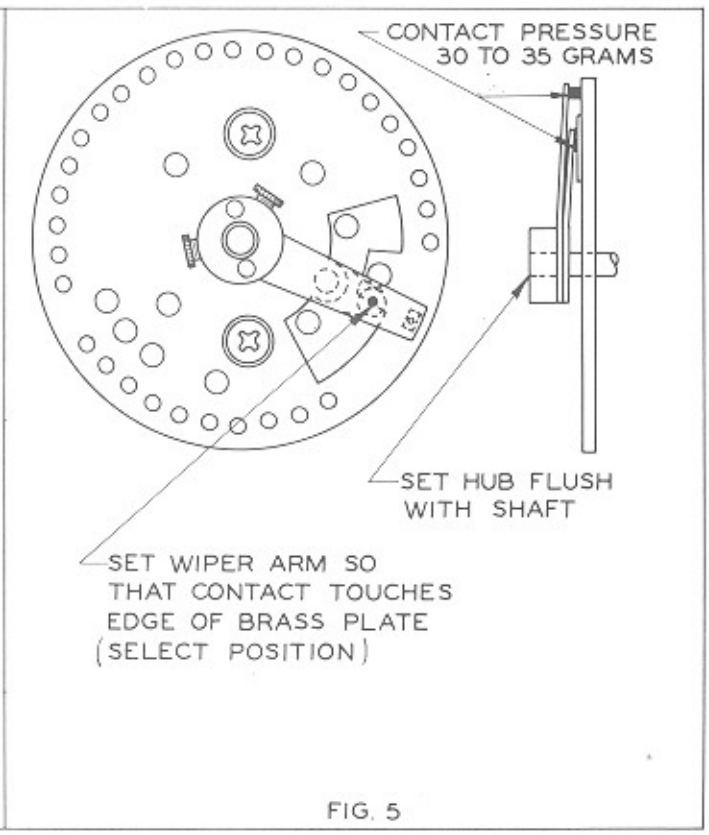


FIG. 5

GEAR MOTOR

The gear motor is designed to operate at a normal speed of 20 revolutions per minute. The acceptable speed tolerances are between 19 and 21 revolutions per minute. If the motor speed is slow, or fast, erratic selection will result. If there are no binds in the motor, and the gear train is free from dirt or foreign material, the gear motor must be replaced. Because of its construction, individual parts cannot be replaced.

The cam cluster of the gear motor should be lubricated with #105 Lubriplate, and the shaft bearings with a drop of S.A.E. 10 motor oil. Never lubricate the motor clutch mechanism.

The contacts of the contact disc assembly must not be lubricated. A lint-free cloth, saturated with carbon tetra-chloride can be used to clean the contact biscuit disc.

The #105 Lubriplate can also be used to lubricate the pivot points of the rocker bar lever, and the switch lever. To reduce friction, use #105 Lubriplate at the point where the rocker bar lever engages the selector switch lock bar.

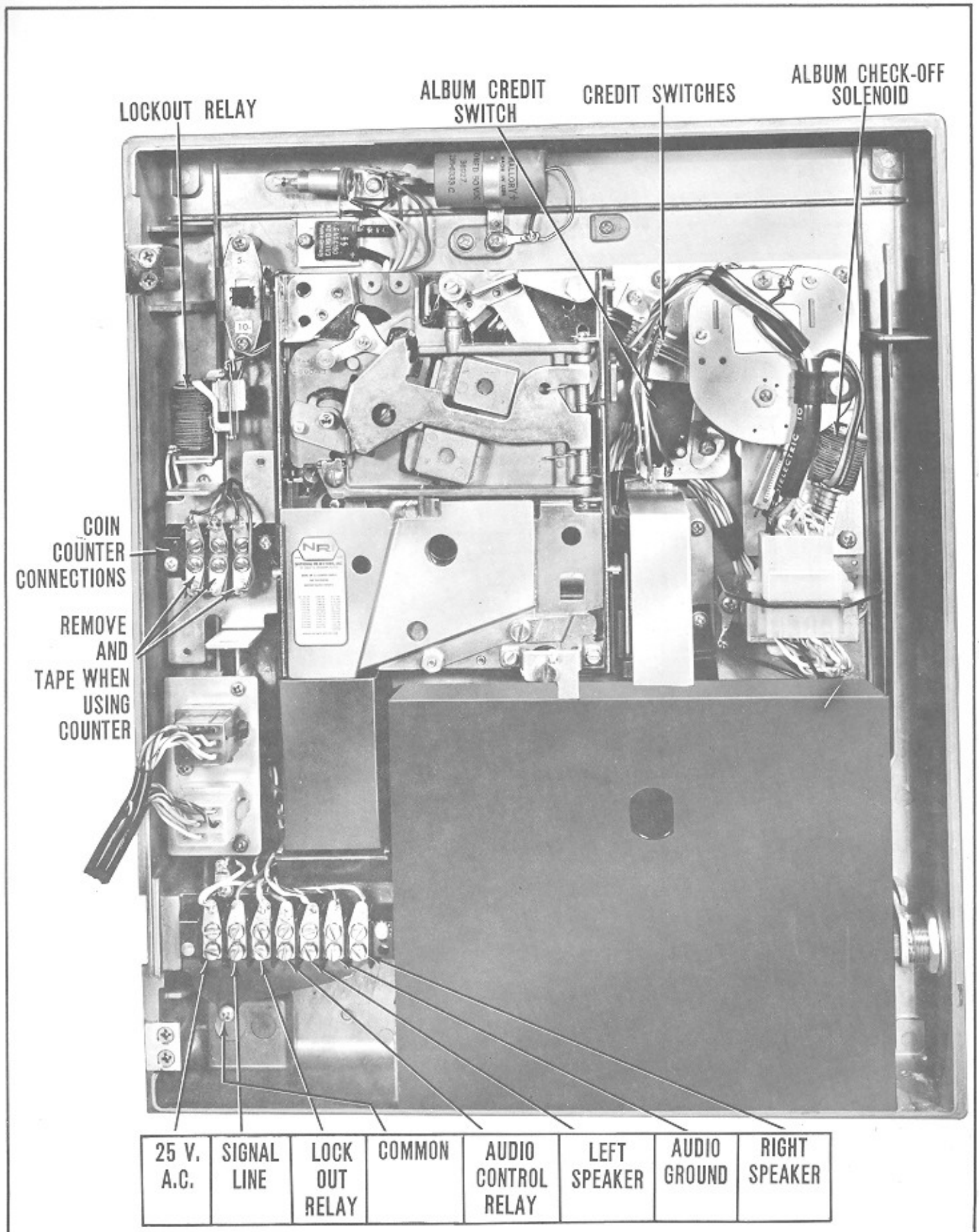
If it becomes necessary to re-position the contact wiper arm on the contact biscuit assembly, the following procedure is to be followed:

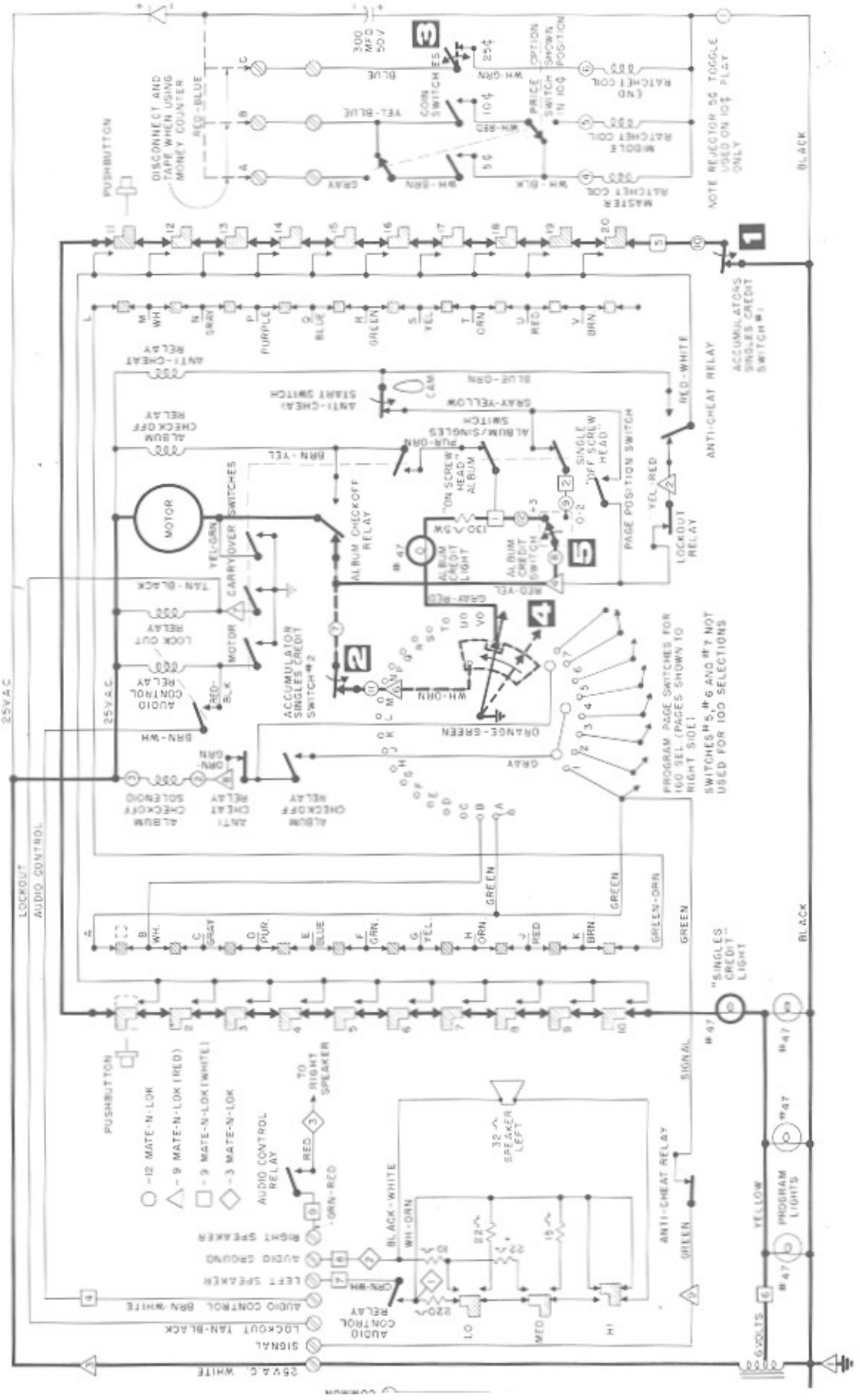
1. Turn the gear motor manually until the rocker bar lever falls into the first notch of the cam farthest away from the contact biscuit assembly. (See "Select Position" of Fig. 1.)

2. Set wiper arm on the gear motor shaft so that the center of the contact of the short wiper arm rests on the edge of the lower left side of the "U" position of the contact plate. Set hub flush with shaft. (See Fig. 5.)

3. Tighten the set screws in the collar of the contact wiper arm, and adjust the contact wiper arm pressure to approximately 40 grams on both contacts. (See Fig. 5.)

4. The motor switch pressure is 35 grams minimum. The switch should be adjusted to open when the center of the contact of the short wiper arm comes to rest about 1/8" before it reaches the edge of the lower left side of the "U" position of the brass contact plate. (See Fig. 6.)


LOCKOUT RELAY
ALBUM CREDIT SWITCH
CREDIT SWITCHES
ALBUM CHECK-OFF SOLENOID
COIN COUNTER CONNECTIONS
REMOVE AND TAPE WHEN USING COUNTER
25 V. A.C.
SIGNAL LINE
LOCK OUT RELAY
COMMON
AUDIO CONTROL RELAY
LEFT SPEAKER
AUDIO GROUND
RIGHT SPEAKER


PUSHBUTTON
DISCONNECT AND TAPE WHEN USING MONEY COUNTER
RED-BLUE
300 MFD 50V
BLUE
COIN SWITCHES
25¢
WH-ORN
PRICE SWITCH IN 10¢ POSITION
OPTION SHOWN POSITION
END RATCHET COIL
MIDDLE RATCHET COIL
MASTER RATCHET COIL
YEL-BLUE
10¢
5¢
GRAY
WH-BLK
NOTE REJECTOR 5¢ TOGGLE USED ON 10¢ PLAY
BLACK
ACCUMULATORS SINGLES CREDIT SWITCH #1
ANTI-CHEAT RELAY
RED-WHITE
ANTI-CHEAT START SWITCH
CAM
BLUE-ORN
GRAY-YELLOW
ALBUM CHECKOFF RELAY
ALBUM/SINGLES SWITCH
PUR-ORN
"ON SCREW HEAD" ALBUM
SINGLE "OFF SCREW HEAD"
PAGE POSITION SWITCH
YEL-RED
LOCKOUT RELAY
BRN-YEL
MOTOR
CARRYOVER SWITCHES
YEL-GRN
ALBUM CREDIT LIGHT
#47
120V 5W
ALBUM CREDIT SWITCH
RED-YEL
GRAY-RED
TAN-BLACK
LOCK OUT RELAY
MOTOR
ACCUMULATOR SINGLES CREDIT SWITCH #2
AUDIO CONTROL RELAY
25VAC
BRN-WH
ORN-BLK
ORN-ORN
WH-ORN
ORANGE-GREEN
GRAY
PROGRAM PAGE SWITCHES FOR 100 SEL. (PAGES SHOWN TO RIGHT SIDE)
SWITCHES #5, #6 AND #7 NOT USED FOR 100 SELECTIONS
ALBUM CHECKOFF SOLENOID
ANTI CHEAT RELAY
ALBUM CHECKOFF RELAY
LOCKOUT
AUDIO CONTROL
GREEN
GREEN-ORN
"SINGLES CREDIT" LIGHT
BLACK
PUSHBUTTON
-12 MATE-N-LOK
-9 MATE-N-LOK (RED)
-9 MATE-N-LOK (WHITE)
-3 MATE-N-LOK
AUDIO CONTROL RELAY
TO RIGHT SPEAKER
RED
-ORN-RED
32Ω SPEAKER LEFT
SIGNAL
ANTI-CHEAT RELAY
YELLOW
PROGRAM LIGHTS
BLACK-WHITE
WH-ORN
RIGHT SPEAKER
AUDIO GROUND
LEFT SPEAKER
ORN-WH
AUDIO CONTROL BRN-WHITE
LOCKOUT TAN-BLACK
SIGNAL
25VAC WHITE
AUDIO CONTROL RELAY
220Ω
10
22Ω
22
15Ω
LO
MED
HI
6 VOLTS
COMMON

■ SEQUENCE NO. 1—25c COIN DROPPED

After the coin passes through the slug rejector, the 25¢ coin switch No. 3 is pulsed, closing circuit to the proper electro magnet in the accumulator. This allows the master ratchet to escape three teeth. Each tooth represents a "single" play. The released ratchet will:

(a) Close accumulator Credit Switches No. 1 and No. 2 and,

(b) actuate the Album Credit Switch No. 5 to a "3 or more" credit position.

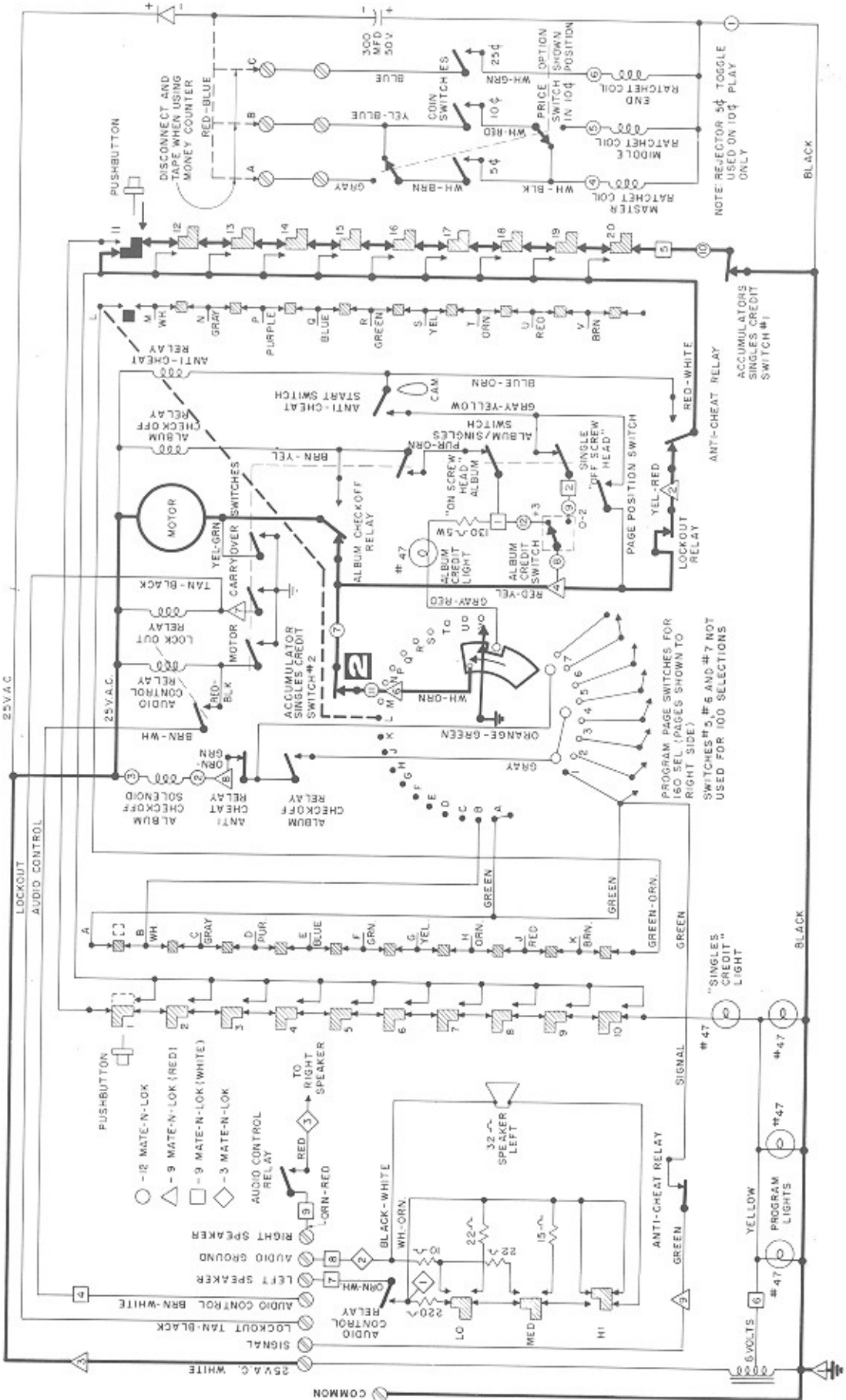
Accumulator Credit Switch No. 1 completes a circuit to the "Single Credit" light through the pushbuttons' switches.

Accumulator Credit Switch No. 2 completes a circuit to the gear motor through the grounded Wiper Contact No. 4.

The Wiper is rotated away from the Contact Plate to the notched portion, thereby breaking the circuit to the motor. This is the Select Position and allows the Selector Button to lock immediately upon being pressed.

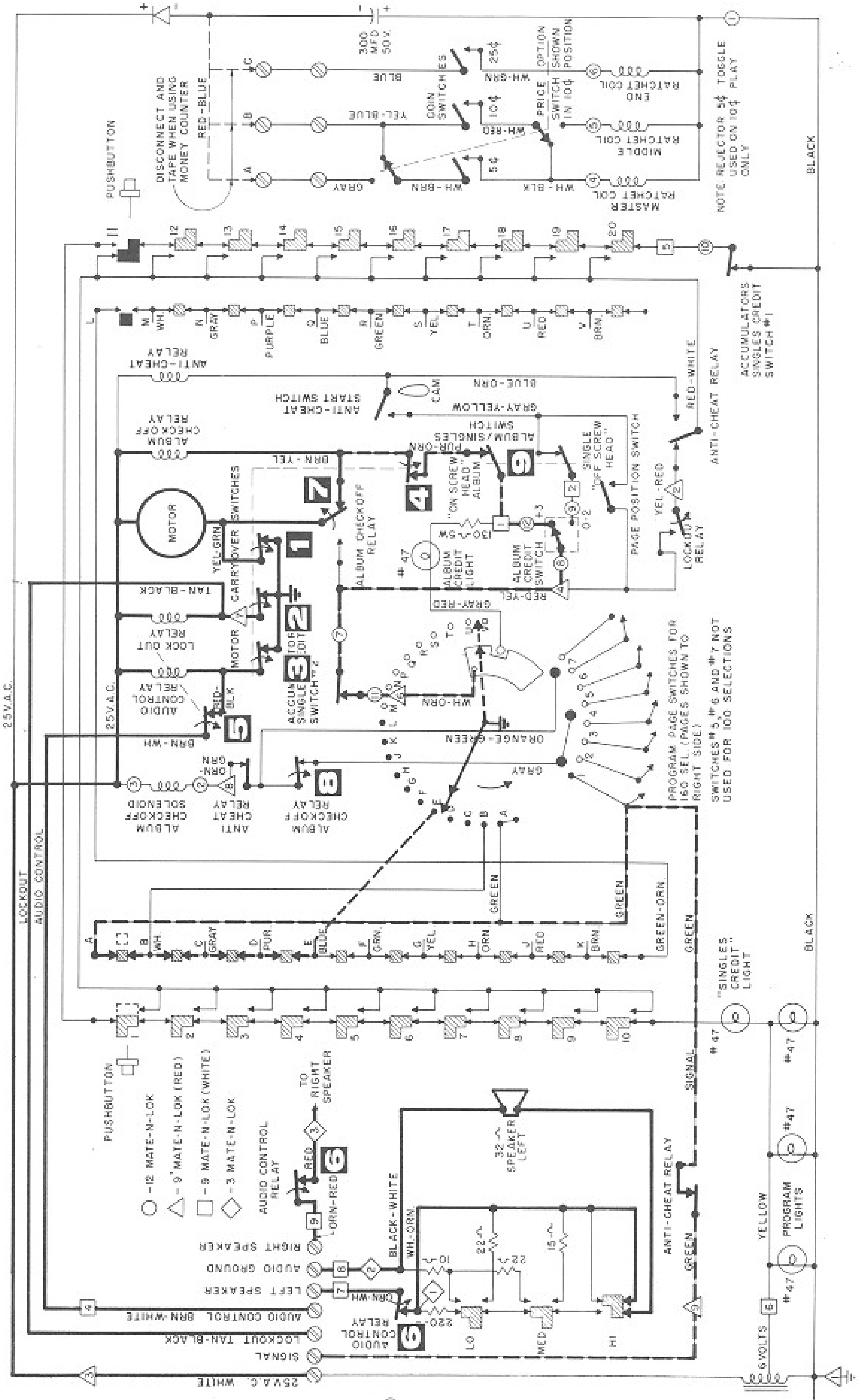
The Wiper in the notch contacts the Album Credit Light Rivet which completes a circuit to the lamp through the Album Credit Switch No. 5.

The customer can now make one Album Selection or three Single Selections.


300 MFD 50V
DISCONNECT AND TAPE WHEN USING MONEY COUNTER
RED-BLUE
BLUE
YEL-BLUE
GRAY
COIN SWITCHES
25¢
10¢
5¢
WH-GRN
WH-RED
WH-BRN
WH-BLK
PRICE OPTION SWITCH SHOWN IN 10¢ POSITION
END RATCHET COIL
MIDDLE RATCHET COIL
MASTER RATCHET COIL
NOTE: REJECTOR 5¢ TOGGLE USED ON 10¢ PLAY
BLACK
PUSHBUTTON
ANTI-CHEAT RELAY
WH
GRAY
PURPLE
BLUE
GREEN
YEL
ORN
RED
BRN
ACCUMULATORS SINGLES CREDIT SWITCH #1
ANTI-CHEAT START SWITCH
CAM
BLUE-ORN
GRAY-YELLOW
RED-WHITE
ANTI-CHEAT RELAY
ALBUM CHECK OFF RELAY
ALBUM/SINGLES SWITCH
PUR-ORN
BRN-YEL
"ON SCREW HEAD" ALBUM
"OFF SCREW HEAD"
SINGLE
PAGE POSITION SWITCH
YEL-RED
LOCKOUT RELAY
MOTOR
SWITCHES
YEL-GRN
CARRY OVER
ALBUM CHECKOFF RELAY
#47
ALBUM CREDIT LIGHT
ALBUM CREDIT SWITCH
130 5W
O-2
RED-YEL
GRAY-RED
TAN-BLACK
LOCK OUT RELAY
MOTOR
ACCUMULATOR SINGLES CREDIT SWITCH #2
WH-ORN
ORANGE-GREEN
GRAY
PROGRAM PAGE SWITCHES FOR 160 SEL. (PAGES SHOWN TO RIGHT SIDE)
SWITCHES #5, #6 AND #7 NOT USED FOR 100 SELECTIONS
25V.A.C.
AUDIO CONTROL RELAY
RED-BLK
BRN-WH
ORN-GRN
ALBUM CHECKOFF SOLENOID
ANTI-CHEAT RELAY
ALBUM CHECKOFF RELAY
LOCKOUT
AUDIO CONTROL
GREEN
GREEN-ORN.
"SINGLES CREDIT" LIGHT
BLACK
PUSHBUTTON
-12 MATE-N-LOK
-9 MATE-N-LOK (RED)
-9 MATE-N-LOK (WHITE)
-3 MATE-N-LOK
AUDIO CONTROL RELAY
TO RIGHT SPEAKER
RED
ORN-RED
32Ω SPEAKER LEFT
SIGNAL
ANTI-CHEAT RELAY
YELLOW
PROGRAM LIGHTS
#47
BLACK-WHITE
WH-ORN.
10Ω
22Ω
15Ω
220Ω
LO
MED
HI
RIGHT SPEAKER
AUDIO GROUND
LEFT SPEAKER
ORN-WH
AUDIO CONTROL BRN-WHITE
LOCKOUT TAN-BLACK
SIGNAL
25V.A.C. WHITE
6 VOLTS
COMMON

■ SEQUENCE NO. 2—ALBUM RECORD SELECTED (EXAMPLE—NO. 11)

When the push button is pressed, the circuit to the gear motor is closed through the center contacts of the PB switches. The Wiper rotates across the brass plate, connecting a momentary holding circuit to the motor through the Accumulator Credit Switch No. 2. Simultaneously, the PB Lock Bar drops to its lowest position, locking the selected button and Program Pages. This is the Locked and Pulsing Position.



PUSHBUTTON
DISCONNECT AND TAPE WHEN USING MONEY COUNTER
RED-BLUE
300 MFD 50V.
COIN SWITCHES
25¢
10¢
5¢
PRICE SWITCH SHOWN IN 10¢
OPTION SHOWN POSITION
END RATCHET COIL
MIDDLE RATCHET COIL
MASTER RATCHET COIL
NOTE: REJECTOR 5¢ TOGGLE USED ON 10¢ PLAY ONLY
BLACK
ANTI-CHEAT RELAY
ANTI-CHEAT START SWITCH
CAM
BLUE-ORN
GRAY-YELLOW
ALBUM CHECK OFF RELAY
ALBUM/SINGLES SWITCH
SINGLE "OFF SCREW HEAD"
"ON SCREW HEAD" ALBUM
PAGE POSITION SWITCH
ACCUMULATORS SINGLES CREDIT SWITCH #1
RED-WHITE
YEL-RED
LOCKOUT RELAY
MOTOR
CARRY OVER SWITCHES
YEL-GRN
TAN-BLACK
LOCK OUT RELAY
AUDIO CONTROL RELAY
ALBUM CHECKOFF RELAY
ALBUM CREDIT LIGHT
ALBUM CREDIT SWITCH
RED-YEL
GRAY-RED
#47
130 5W
ACCUM. SINGLE SWITCH #2
WH-ORN
ORANGE-GREEN
GRAY
BRN-WH
25V.A.C.
ALBUM CHECKOFF SOLENOID
ANTI CHEAT RELAY
ALBUM CHECKOFF RELAY
PROGRAM PAGE SWITCHES FOR 160 SEL. (PAGES SHOWN TO RIGHT SIDE)
SWITCHES #5, #6 AND #7 NOT USED FOR 100 SELECTIONS
LOCKOUT
AUDIO CONTROL
GREEN
GREEN-ORN
"SINGLES CREDIT" LIGHT
PUSHBUTTON
- 12 MATE-N-LOK
- 9 MATE-N-LOK (RED)
- 9 MATE-N-LOK (WHITE)
- 3 MATE-N-LOK
AUDIO CONTROL RELAY
TO RIGHT SPEAKER
ORN-RED
32 SPEAKER LEFT
SIGNAL
ANTI-CHEAT RELAY
BLACK-WHITE
WH-ORN
PROGRAM LIGHTS
YELLOW
6 VOLTS
RIGHT SPEAKER
AUDIO GROUND
LEFT SPEAKER
AUDIO CONTROL BRN-WHITE
LOCKOUT TAN-BLACK
SIGNAL
25 V.A.C. WHITE
LO
MED
HI

■ SEQUENCE NO. 3—FIRST TRAIN OF PULSES START—WALLBOX SPEAKERS OPERATE

The rotating motor causes the center cam on the cam cluster to close four (4) Motor Carry-Over Switches. Their function is as follows:

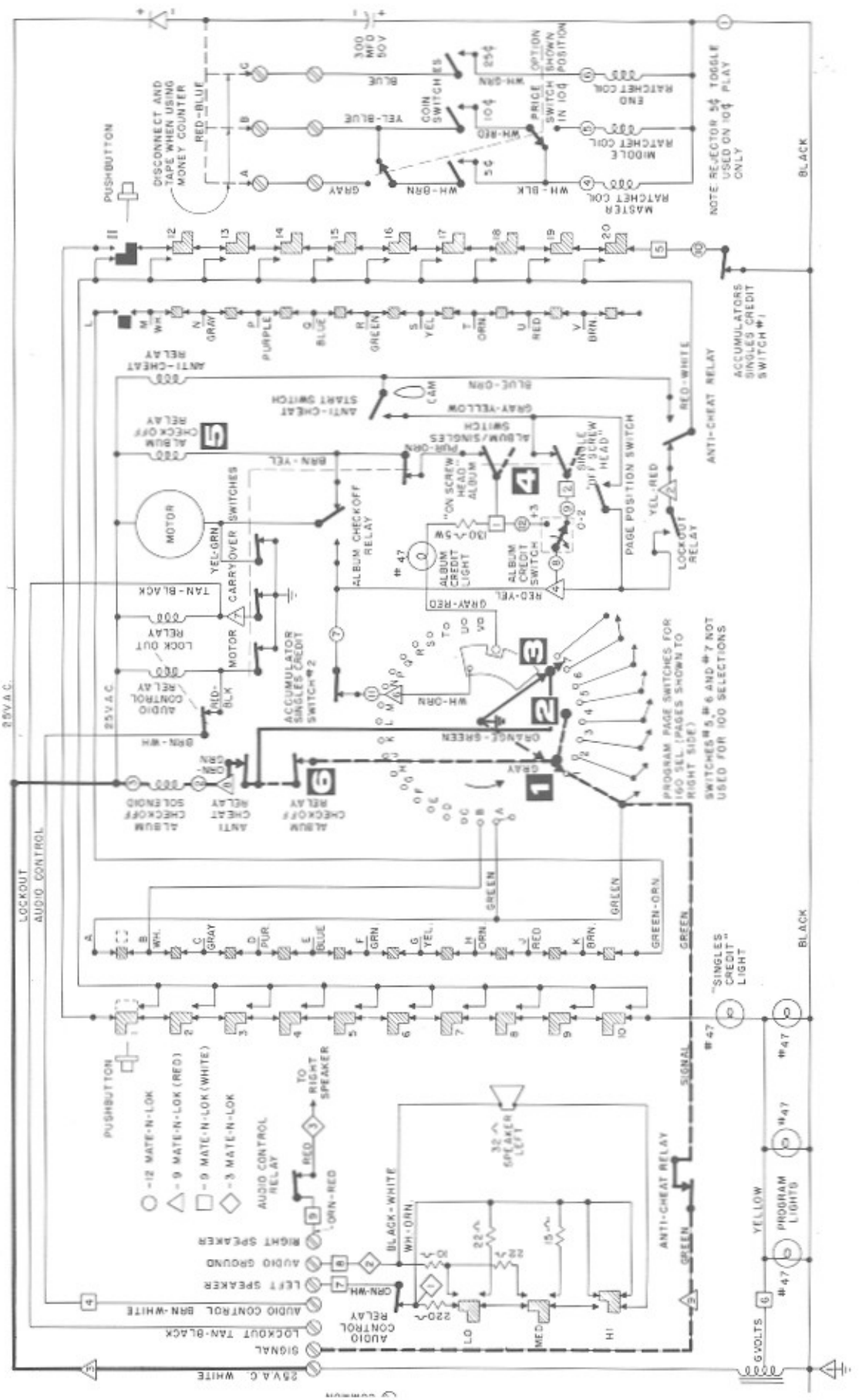
Switch No. 1 is a motor holding circuit which provides for a complete revolution.

Switch No. 2 completes a circuit to every Wall Box Lock-Out Relay in the system. This "holds" all Wall Box selections in abeyance except the one that is in operation until the receiver and write-in system have registered a selector lever.

Switch No. 3 operates the Audio Control Relay which will connect audio circuits to the wall box speakers through the closed audio control relay contacts No. 6. Contact No. 5 connects holding circuit to the audio control line from the phonograph.

Switch No. 4 energizes the Album Check-Off Relay through Album/Singles Credit Switch No. 9, which "locks up" through its own transferred relay contact No. 7. Closed contact No. 8 connects accumulator check-off circuits to the disc contacts.

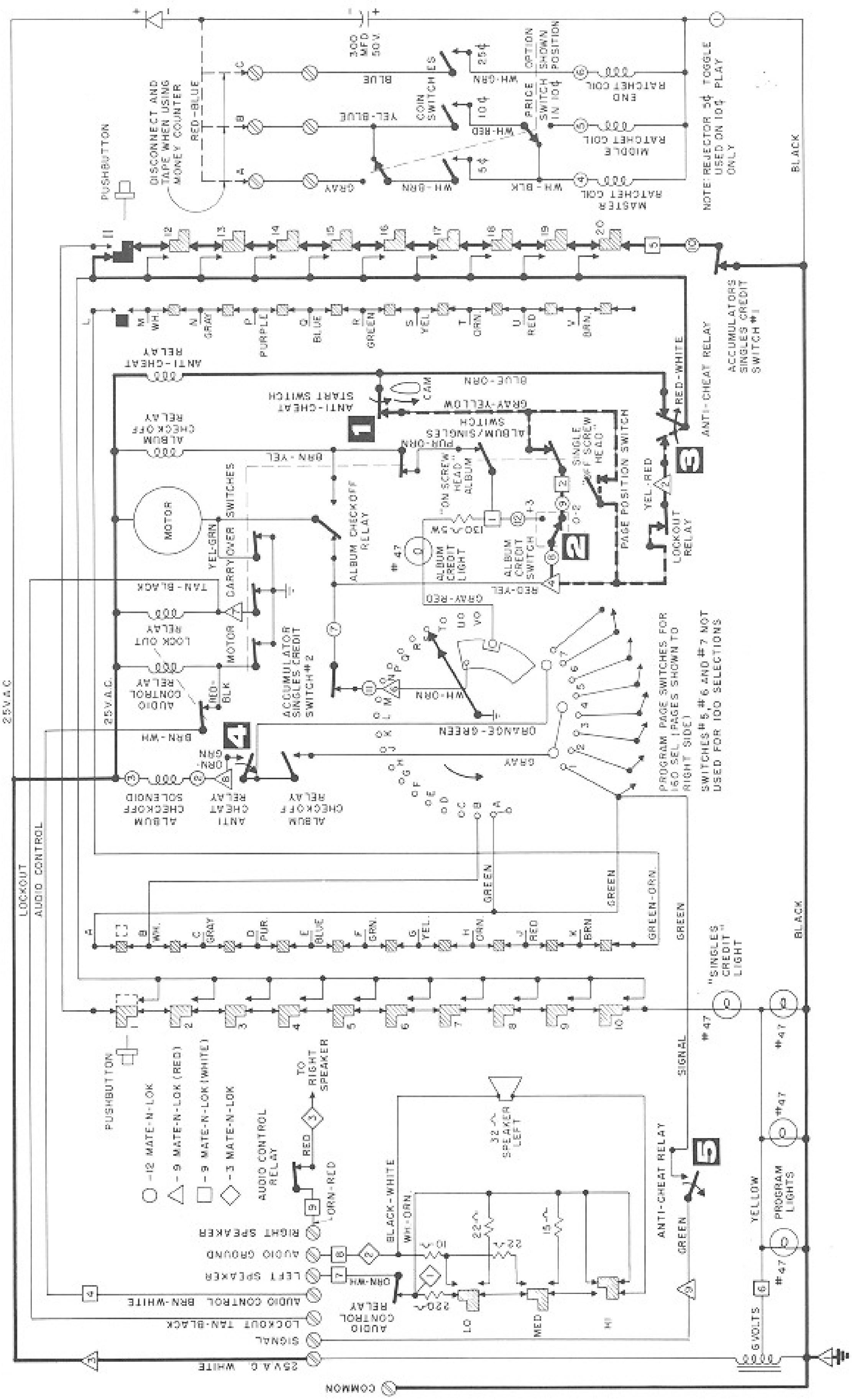
NOTE: If the phonograph is in a Music Cycle during the time the Wall Box is registering a selection, the audio system to that wall box will be connected for the duration of all selections registered on the phonograph selector.


PUSHBUTTON
DISCONNECT AND TAPE WHEN USING MONEY COUNTER
RED-BLUE
300 MFD 50V
COIN SWITCHES
25¢
10¢
5¢
OPTION SHOWN POSITION
PRICE SWITCH IN 10¢
MASTER RATCHET COIL
MIDDLE RATCHET COIL
END RATCHET COIL
NOTE RE-JECTOR 5¢ TOGGLE USED ON 10¢ PLAY
BLACK
ACCUMULATORS SINGLES CREDIT SWITCH #1
ANTI-CHEAT RELAY
RED-WHITE
PAGE POSITION SWITCH
LOCKOUT RELAY
ALBUM/SINGLES SWITCH
ANTI-CHEAT START SWITCH
ALBUM CHECK OFF RELAY
ALBUM CREDIT LIGHT
ALBUM CREDIT SWITCH
ALBUM CHECKOFF RELAY
ANTI CHEAT RELAY
ALBUM CHECKOFF SOLENOID
ACCUMULATOR SINGLES CREDIT SWITCH #2
LOCK OUT RELAY
AUDIO CONTROL RELAY
CARRYOVER SWITCHES
MOTOR
25V A.C.
PROGRAM PAGE SWITCHES FOR 160 SEL. (PAGES SHOWN TO RIGHT SIDE)
SWITCHES #5, #6 AND #7 NOT USED FOR 100 SELECTIONS
"SINGLES CREDIT" LIGHT
PROGRAM LIGHTS
YELLOW
6 VOLTS
SIGNAL
LOCKOUT
AUDIO CONTROL
TO RIGHT SPEAKER
AUDIO CONTROL RELAY
ANTI-CHEAT RELAY
RIGHT SPEAKER
AUDIO GROUND
LEFT SPEAKER
AUDIO CONTROL BRN-WHITE
LOCKOUT TAN-BLACK
25V A.C. WHITE
COMMON
LO
MED
HI

■ SEQUENCE NO. 4—SECOND PULSE TRAIN BEGINS—3 CREDITS REMOVED FROM ACCUMULATOR

During the second pulse interval, the inner wiper strikes contacts No. 1, No. 2, and No. 3. Each contact provides a pulse to the Album Check-Off Solenoid, thereby removing three credits from the Accumulator. At the same time, the Album Credit Switch is reset to "Singles" play only. The cycle is completed when the Wiper Arm comes to rest on the notched plate.

NOTE: In the event a "Singles" record had been selected, the Album/Singles Switch No. 4 would be off the "screw head". This disconnects the circuit to the Album Check-Off Relay No. 5, allowing relay contact No. 6 to remain open. The Album Check-Off Solenoid would now operate once through disc contact No. 3, removing only one credit from the accumulator.


PUSHBUTTON
DISCONNECT AND TAPE WHEN USING MONEY COUNTER
COIN SWITCHES
PRICE SWITCH IN 10¢
OPTION SHOWN POSITION
END RATCHET COIL
MIDDLE RATCHET COIL
MASTER RATCHET COIL
NOTE: REJECTOR 5¢ TOGGLE USED ON 10¢ PLAY ONLY
ACCUMULATORS SINGLES CREDIT SWITCH #1
ANTI-CHEAT RELAY
ANTI-CHEAT START SWITCH
ALBUM CHECK OFF RELAY
ALBUM/SINGLES SWITCH
PAGE POSITION SWITCH
LOCKOUT RELAY
MOTOR
CARRY OVER SWITCHES
ALBUM CHECKOFF RELAY
ALBUM CREDIT LIGHT
ALBUM CREDIT SWITCH
LOCK OUT RELAY
AUDIO CONTROL RELAY
ACCUMULATOR SINGLES CREDIT SWITCH #2
ALBUM CHECKOFF SOLENOID
PROGRAM PAGE SWITCHES FOR 160 SEL (PAGES SHOWN TO RIGHT SIDE)
SWITCHES #5, #6 AND #7 NOT USED FOR 100 SELECTIONS
25 V.A.C.
LOCKOUT
AUDIO CONTROL
"SINGLES CREDIT" LIGHT
SIGNAL
BLACK
○ -12 MATE-N-LOK
△ -9 MATE-N-LOK (RED)
□ -9 MATE-N-LOK (WHITE)
◇ -3 MATE-N-LOK
TO RIGHT SPEAKER
32 Ω SPEAKER LEFT
PROGRAM LIGHTS
6 VOLTS
RIGHT SPEAKER
AUDIO GROUND
LEFT SPEAKER
AUDIO CONTROL BRN-WHITE
LOCKOUT TAN-BLACK
SIGNAL
25 V A C WHITE
COMMON
LO
MED
HI

■ SEQUENCE NO. 5—LESS THAN 3 CREDITS ESTABLISHED—ALBUM SELECTION MADE

To play an Album selection, the electrical circuits require that the Album Credit Switch No. 2 must be transferred whenever three or more credits are established on the Accumulator. If less than three credits are registered, the Album Credit Switch will remain in a "Singles" credit position only.

Any Album selection now made will energize the Anti-Cheat Relay through the cam operated Anti-Cheat Start Switch No. 1. (This will cause a "dry run" to occur, the object of which is to release the depressed PB without removing credit or entering a selection in the phonograph. The energized Anti-Cheat Relay will transfer contacts No. 3, No. 4, and No. 5.

Switch No. 3 becomes a holding circuit to the anti-cheat relay for the duration of the motor rotation.

Switch No. 4 disconnects the credit check-off circuit from the disc to the check-off solenoid to prevent the removal of credits from the Accumulator.

Open Switch No. 5 disconnects pulsing circuits to the Receiver during the Wiper rotation on the disc.

After completion of the motor rotation, the depressed push button is released. The customer may now add coins to re-select an Album selection or make "Singles" selections.

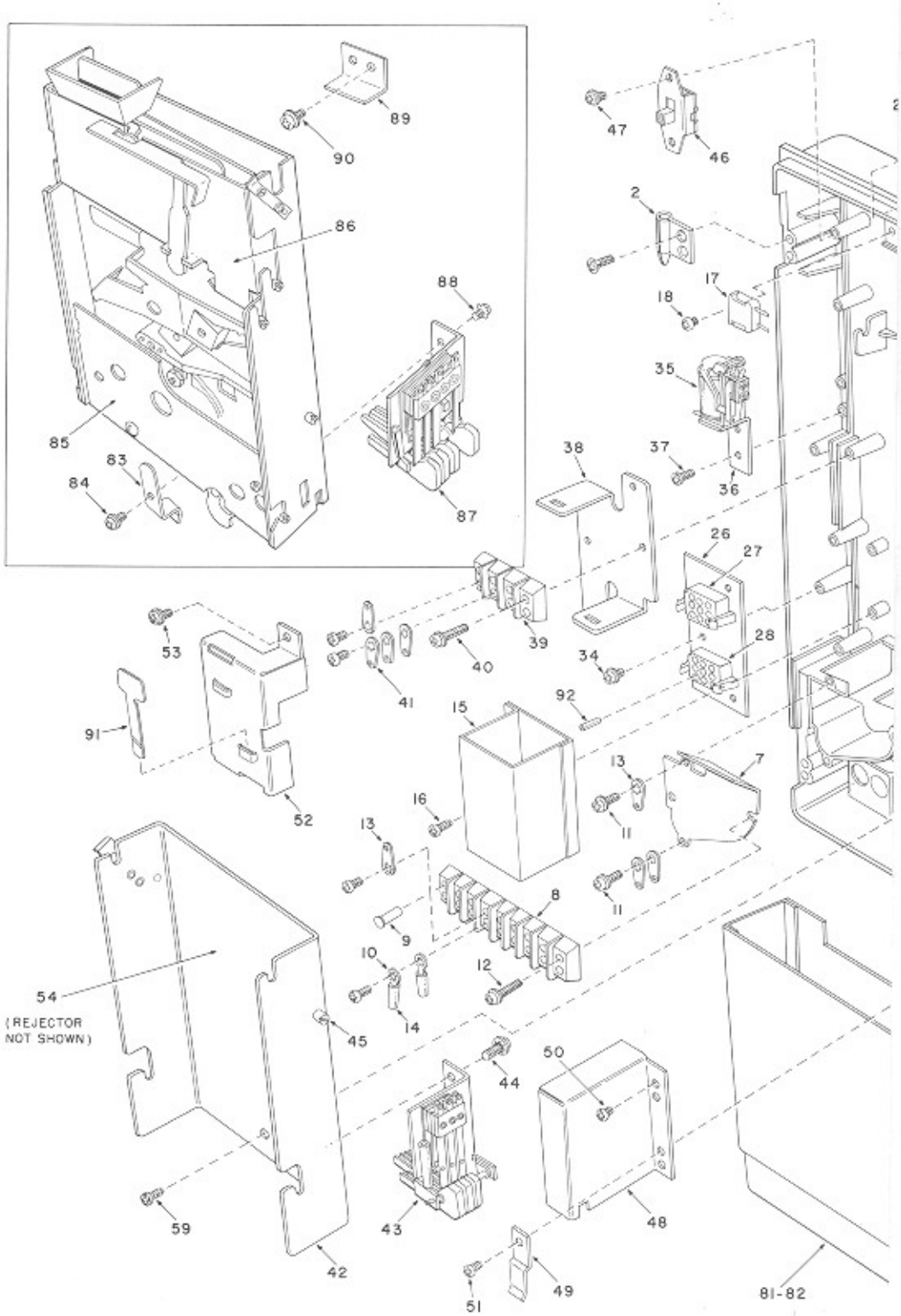
NOTE: The above cycle also prevails if the customer makes a selection while the Program Pages are not in a flat position. The position of the page determines whether the Page Position Switch No. 6 is closed or open. If closed, the Anti-Cheat Relay will operate, thus preventing the customer from receiving a wrong selection.

WALL BOX BACK ASSEMBLY COMPLETE No. 37669-1 (25¢)
WALL BOX BACK ASSEMBLY COMPLETE No. 37808-1 (50¢)

Item	Part No.	Description	Qty. Per Assem.
1	37563-1	Wall Box Back	1
2	ST-5278	Wall Box Hinge (Female)	2
3	37093-A	Lock Bar Riveting Assem.	1
4	ST-7416	Lock & Keys	1
5	37033	Cam Bolt	1
6	SP-298	Keeper	1
7	37565	Coin Return Cover	1
8	37564	Terminal Block	1
9	ST-911	1/8 x 7/16 Tubular Rivet	1
10	ST-2608	#8 Terminal Lug	2
11	ST-4554	6-32 x 3/8 Ph. B.H.M.S.	2
12	ST-4566	6-32 x 5/8 Ph. B.H.M.S.	1
13	ST-2620-1	#6 Terminal Lug	8
14	ST-3005	1/8 I.D. Plastic Tubing	14
15	37067	Coin Chute	1
16	ST-4041	#6 x 1/4 Ph. Self Tap	2
17	35363	Rectifier	1
18	ST-6567	6-32 1/8 P.H.M.S.	1
19	37172	Select Light Socket	1
20	38261	Terminal Strip	1
21	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	1
22	ST-3072	#47 G.E. Bulb 6.3 V.	1
23	ST-2608	#8 Terminal Lug	1
24	35879	300 Mfd. 50 W.V.D.C.	1
25	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	1
26	37568	M-N-L Mounting Bracket	1
27	V-7015	9 Cir. M-N-L Socket (Red)	1
28	V-7013	9 Cir. M-N-L Socket (White)	1
29	37617	Plug and Trans. Brkt.	1
30	V-7021	12 Crt. M-N-L Sock. (White)	1
31	ST-2604	#8 Terminal Lug	1
32	14814-2	Wall Box Transformer	1
33	ST-7212	8-32 x 5/16 Ph. F.H.M.S.	2
34	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	3
35	14995	Lock Out Relay	1
36	14996	Lock Out Relay Bracket	1
37	ST-4041	#6 x 1/4 Ph. Self Tap	2
38	37394	Counter Terminal Brkt.	1
39	37618	Terminal Block	1
40	ST-4566	6-32 x 5/8 Ph. R.H.M.S.	2
41	ST-2620-1	#6 Terminal Lug	12
42	37783-A	Rejector Housing Assem.	1
43	37665	Coin Switch (5-10-25¢)	1
44	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	2
45	18377	8-32 Mounting Stud	2
46	37696-A	Switch & Sticker Assem.	1
47	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2
48	14886	Coin Switch Cover	1
49	37620	Cash Box Retaining Brkt.	1
50	ST-6567	6-32 1/8 Ph. P.H.M.S.	1
51	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	1
52	37395	Terminal Block Cover	1
53	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2
54	37697-A	Rej. & Reject Arm Assem.	1
55	37616-A	Accum. Mtg. Plate Assem.	1
56	39655-1	Accum. Assem. (See Phono Parts List Manual)	1
57	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2
58	ST-332	Flat Washer	2
59	37567	Reset Pawl Guide	1
60	17982	Reset Pawl	1
61	14028	Compression Spring	1
62	SP-298	Keeper	1
63	40811	Album Play Switch Shim	1
64	39611	Album Play Switch (Acro)	1
65	ST-6526	2-56 x 7/16 Ph. R.H.M.S.	3
66	37622-A	Control Sw. & Brkt. Assem.	1
67	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2
68	37600	Reset Coil	1
69	V-7003	M-N-L Pin	11
70	V-7020	12 Cir. M-N-L Pin Hsing.	1
71	35328	1500 Ohm 1 Watt Resistor	1
72	37634-A	Reset Coil Brkt. & Stop Assembly	1
73	37555	Reset Coil Brkt. (Front)	1
74	37570	Reset Armature	1
75	34559	Return Spring	1
76	ST-4555	6-32 x 1/4 Ph. B.H.M.S.	2
77	ST-3601	Nylon Clamp	1
78	15355	Terminal Strip	1
79	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	3
80	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	1
81	37064-1	Cash Box (50¢ Wall Box)	1
82	37602	Cash Box (Std. Wall Box)	1
83	37062	Cash Box Retainer	1
84	ST-6348	#6-32 x 1/4 Ph. R.H.M.S.	1
85	37812-A	Slug Rejector Assembly	1
86	32006	Slug Rejector - 50¢	1
87	37372-1	Coin Switch - 50¢	1
88	ST-6303	#8 - 32 x 1/4 Ph. R.H.M.S.	2
89	37363	Hold Down Brkt.	1
90	ST-6303	8-32 1/4 Ph. R.H.M.S.	1
91	37392	Counter Terminal Block Seal	2
92	38791	M-N-L Socket (Solder Type)	24
93	37663-A	Accum. Assem. Complete	1

PARTS NOT SHOWN

	37078	Reject Lever Arm (25¢)	1
	37635	Reject Lever Stud	1
	38815	12 Conductor Installation Cable	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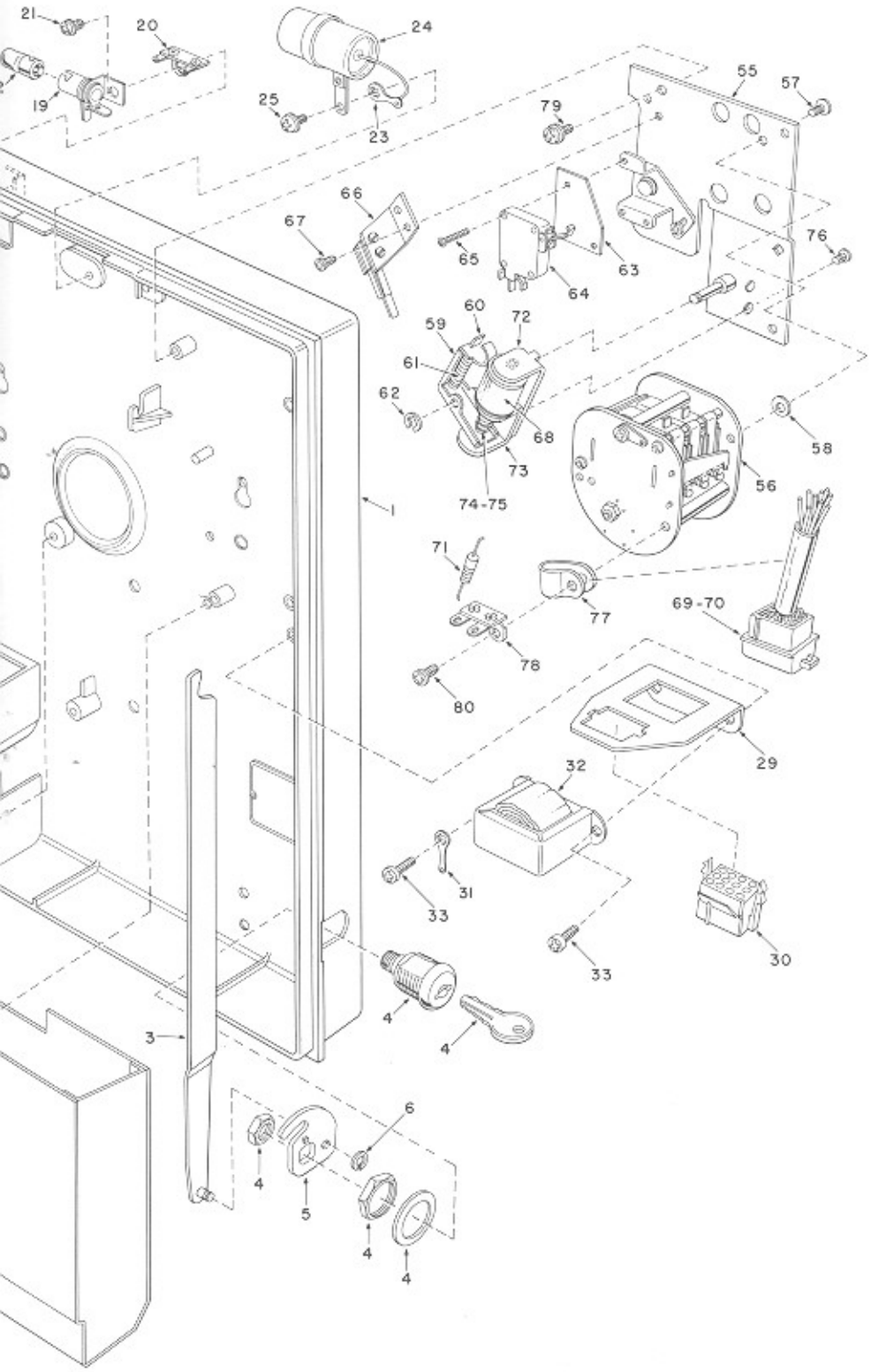
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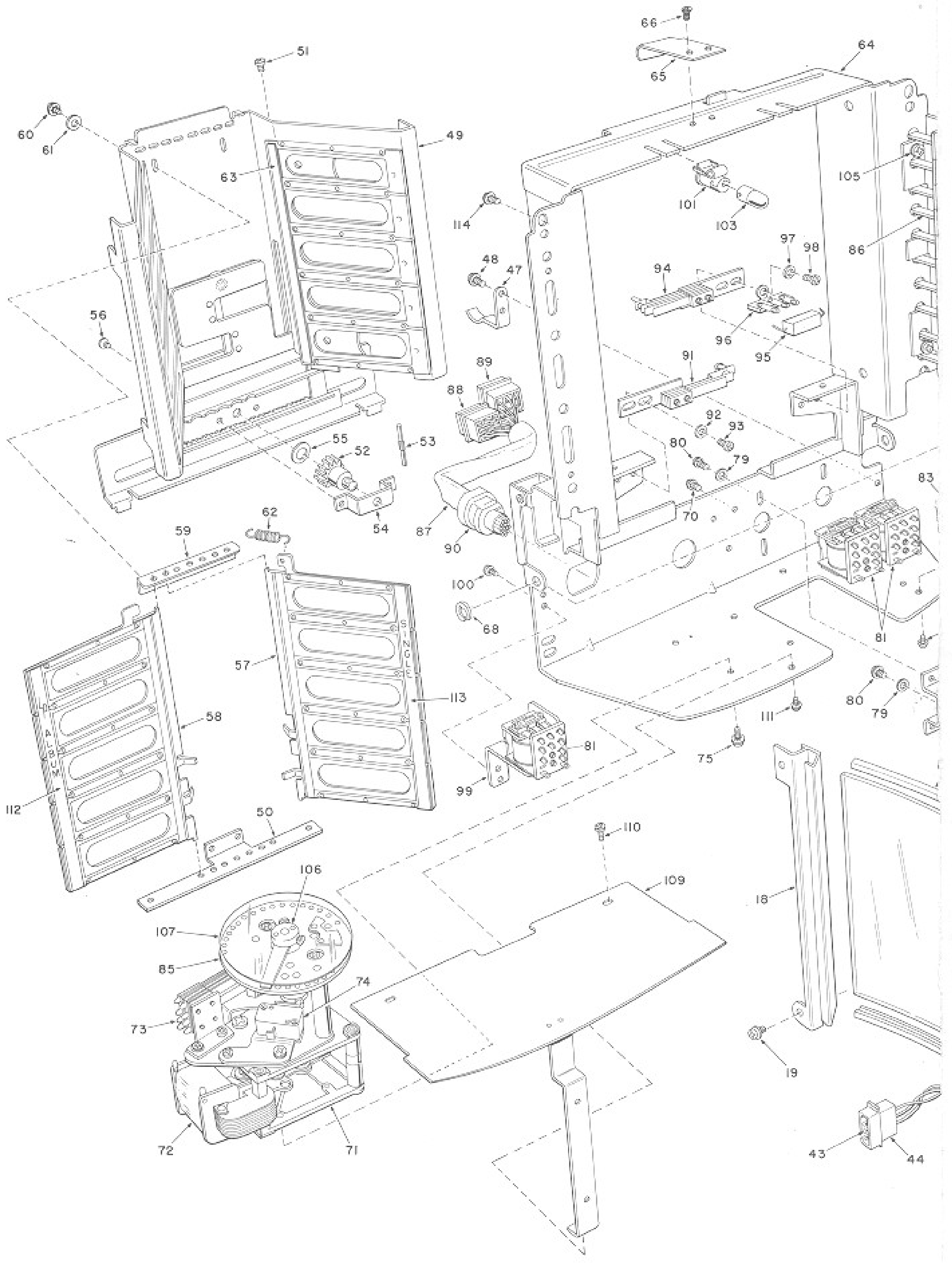

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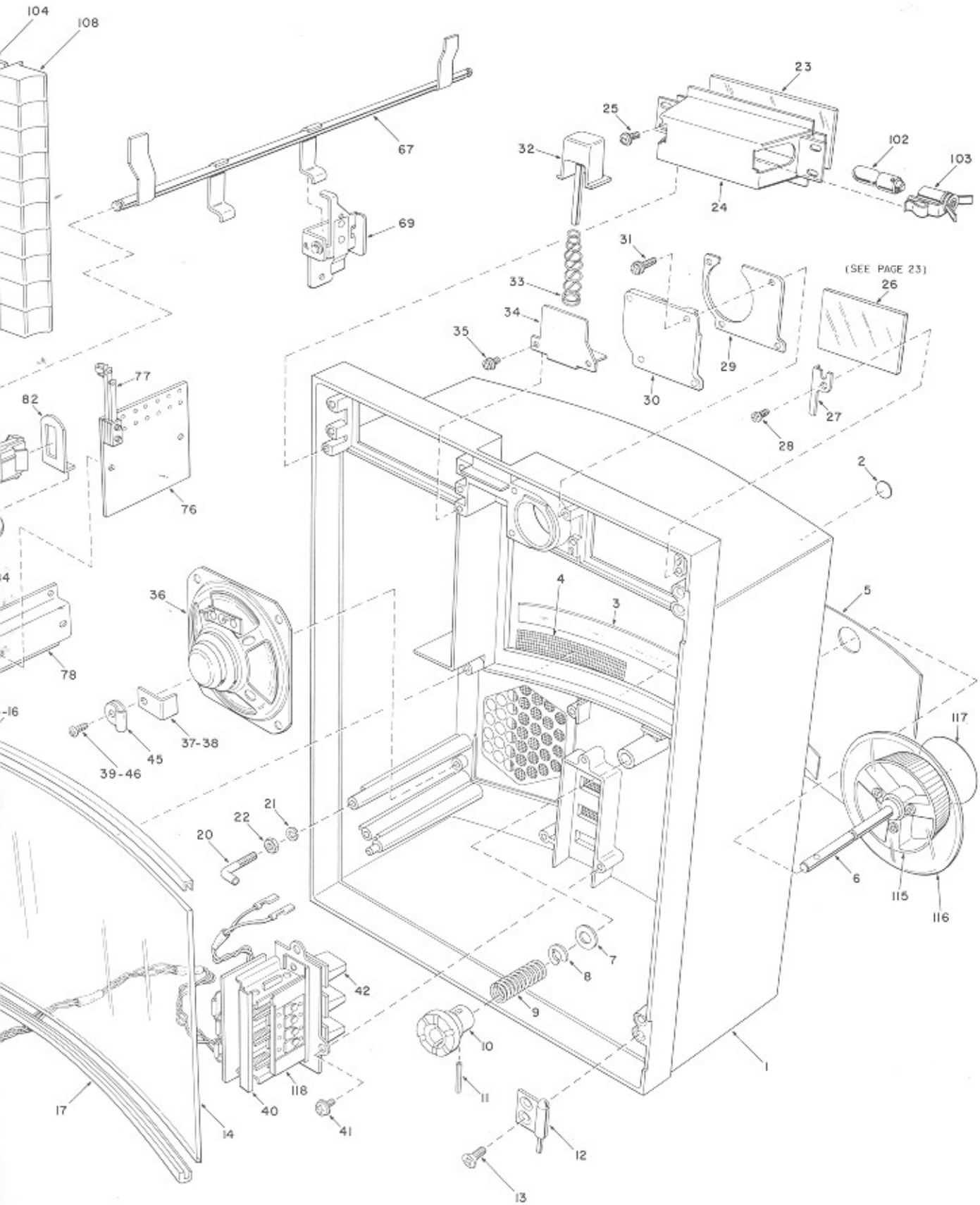
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WALL BOX FRONT ASSEMBLY No. 37647-1A

Item	Part No.	Description	Qty. Per Assem.	Item	Part No.	Description	Qty. Per Assem.
1	37649-A	Front & Insert Assem.	1	46	ST-4057	#6 x 3/8 Ph. Self Tap	1
2	37588-1	Top Emblem Insert	1	47	37598	Front Door Guide	1
3	37589-1	Stereo Insert	1	48	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	1
4	37639	Speaker Grille R.H.	1	49	37655-1A	Program Holder Assem. (160)	1
	37640	Speaker Grille L.H.	1		37730-1A	Program Holder Assem. (100)	
5	37585-1	Center Front Panel	1	50	37029	Page Support Brkt.	1
6	37650-1A	Program Knob & Disc	1	51	ST-6567	6-32 x 1/8 Ph. B.H.M.S.	4
7	ST-3148	Flat Washer	1	52	37024	Slider Gear	1
8	ST-16	Keeper	1	53	37074	Clutch Pin	1
9	37057-1	Compression Spring	1	54	37536	Gear Shaft Guide Brkt.	1
10	37017-1	Front Clutch	1	55	37027	Rear Clutch Spacer	1
11	ST-546	3/32 x 3/4 Spiral Pin	1	56	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2
12	ST-5278	Wall Box Hinge (Male)	2	57	37660-A	Prog. Leaf Assem. (Even)	
13	ST-6563	8-32 x 3/8 #6 Ph. F.H.M.S.	4	58	37661-A	Prog. Leaf Assem. (Odd)	
14	37050	Wall Box Window	1	59	37030	Upper Page Bracket	1
15	37080	Rubber Channel Top	1	60	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2
16	37081	Rubber Channel (Sides)	2	61	ST-332	Flat Washer	2
17	37143	Rubber Channel (Bottom)	1	62	37672	Page Spring	7
18	37002-3	Glass Extrusion R.H.	1	63	37577-1	Index Tab-Wall Box 160	1
	37003-3	Glass Extrusion L.H.	1		37576-1	Index Tab-Wall Box 100	1
19	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	4	64	37623-1A	Mechanism Frame Assem.	1
20	14729	Lock Pin	2	65	37037	Program Lock Spring	1
21	ST-316	#8 Sprink Lock Washer	2	66	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2
22	ST-402	8-32 Hex Nut	2	67	37554-A	Mech. Shaft Assem	1
23	37606-1	Select Glass	1	68	ST-16	Keeper	2
24	37651-A	Light Box Assembly	1	69	37698-A	Lock Lever Assem.	1
25	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	4	70	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	3
26	37608	Pricing Window (See Page 23)	1	71	37699-A	Gear Motor Assem. Comp.	1
				72	37542	Gear Motor - 60 Cycle	1
27	37011	Glass Mtg. Brkt.	2		37543	Gear Motor - 50 Cycle	1
28	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2	73	37700	Motor Cycle Switch & Brkt.	1
29	37610	Coin Chute Plastic (25¢)	1	74	37709	Anti-Cheat Switch	1
	37013-1	Coin Chute Plastic (50¢)		75	ST-6326	8-32 x 5/16 Ph. B.H.M.S.	4
30	37637	Coin Chute Metal (25¢)	1	76	37793	Page Sw. Mtg. Brkt.	1
	37234	Coin Chute Metal (50¢)		77	37573	Page Switch	
31	ST-6324	6-32 x 7/16 Ph. R.H.M.S.	1	78	37794	Switch Mtg. Plate Brkt.	1
32	37058	Reject Button	1	79	ST-332	Flat Washer	6
33	37054	Reject Button Spring	1	80	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	6
34	37103-A	Reject Button Mtg. Brkt.	1	81	37785	D.C. Relay	3
35	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2	82	37624	Speaker Plug Brkt.	1
36	37582	Speaker	2	83	V-7047	3 Cir. Socket Hsg. (White)	1
37	37583	Spk. Mtg. Brkt. (Long)	1	84	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2
38	37584	Spk. Mtg. Brkt. (Short)	2	85	37689-A	Biscuit Assem.	1
39	ST-4041	#6 x 1/4 Ph. Self Tap	3	86	37046	Selector Switch R.H.	1
40	37627-A	Vol. Cont. Sw. & Cable	1		37047	Selector Switch L.H.	1
41	ST-6303	8-32 x 1/4 Ph. R.H.M.S.	2	87	37763	9 White & 9 Red M-N-L Pin Cable Assembly	1
42	37580	Volume Control Button	3				
43	V-7003	M-N-L Pin	3	88	V-7014	9 M-N-L Pin Hsing (Red)	1
44	V-7046	3 Cir. M-N-L Pin Hsing	1	89	V-7012	9 M-N-L Pin Hsing (White)	1
45	ST-3602	Nylon Clamp	1	90	13363	Strain Relief	1

Item	Part No.	Description	Qty. Per Assem.	Item	Part No.	Description	Qty. Per Assem.
91	37701	Open Page Switch	1	105	ST-6326	8-32 x 5/16 Ph. B.H.M.S.	4
92	ST-332	Flat Washer	2	106	37614	Wiper Arm Complete	1
93	ST-4559	6-32 3/16 Ph. B.H.M.S.	2	107	37613	Biscuit Cover	1
94	37798-1	Album Switch Complete	1	108	37048	Key Switch Button	20
95	37636	130 Ohm 5 Watt Resistor	1	109	37705-1A	Dress Plate Assem.	1
96	36022	3 Lub Terminal Strip	1	110	ST-4559	6-32 x 3/16 Ph. B.M.S.	2
97	ST-332	Flat Washer	1	111	ST-6348	6-32 1/4 Ph. R.H.M.S.	1
98	ST-4559	6-32 x 3/16 Ph. B.H.M.S.	2	112	37578-1	Album Indicator Strip	
99	37712-1	Relay Mtg. Brkt.	1	113	37644-1	Single Indicator Strip	
100	ST-6348	6-32 x 1/4 Ph. R.H.M.S.	2	114	ST-6326	8-32 5/16 Ph. B.H.M.S.	4
101	37173	Program Light Socket	2	115	37051	Program Knob	1
102	37625	Select Light Socket	2	116	37052-3	Program Knob Disc	1
103	ST-3072	#47 G.E. Bulb 6.3 V.	4	117	37586-1	Program Knob Insert	1
104	37049	Button Stop	2	118	37535	Volume Control Switch	1

PART NO.

37608

LP ALBUMS
QUARTER 1 SIDE
SINGLES
QUARTER 3- PLAYS
DIME-2 NICKELS 1-PLAY

37803

SINGLES
QUARTER 5 PLAYS
DIME 2 PLAYS
NICKEL 1 PLAY

37804

LP ALBUMS
QUARTER 1 SIDE
& 1 SINGLE
SINGLES
QUARTER 4 PLAYS
DIME-2 NICKELS 1 PLAY

37805

SINGLES
QUARTER 4 PLAYS
DIME-2 NICKELS 1 PLAY

37806

LP ALBUMS
QUARTER 1 SIDE
HALF DOLLAR
2 SIDES & 1 SINGLE
SINGLES
HALF DOLLAR 7 PLAYS
QUARTER 3 PLAYS
DIME-2 NICKELS 1 PLAY

37807

SINGLES
HALF DOLLAR 7 PLAYS
QUARTER 3 PLAYS
DIME-2 NICKELS 1 PLAY

37816

SINGLES
HALF DOLLAR 9 PLAYS
QUARTER 4 PLAYS
DIME-2 NICKELS 1 PLAY

37822

LP ALBUMS
QUARTER
1 SIDE & 1 SINGLE
HALF DOLLAR 3 SIDES
SINGLES
HALF DOLLAR 9 PLAYS
QUARTER 4 PLAYS
DIME-2 NICKELS 1 PLAY

37823

SINGLES
QUARTER 3 PLAYS
DIME-2 NICKELS 1 PLAY

37846

SINGLES
HALF DOLLAR 5 PLAYS
QUARTER 2 PLAYS
USE QUARTERS OR
HALF DOLLARS ONLY

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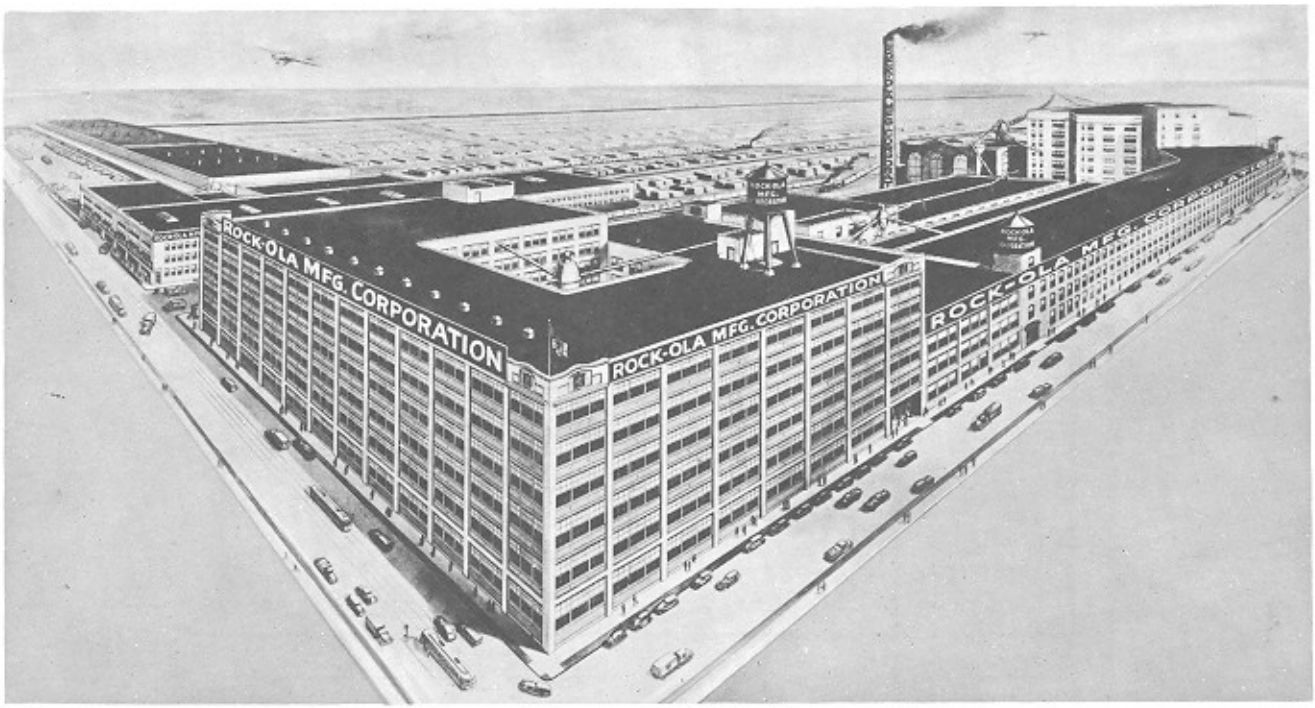

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