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COIN EQUIPMENT

SERIES 2600 PHONOGRAPH

References to "Right Hand" and "Left Hand" are made when viewing the phonograph from the front, unless otherwise specified.

The coin equipment used on all Wurlitzer phonographs of the 2600 series consists of the National Coin Separator (Fig. 1, Item 2), the National Nickel, Dime, Quarter and Half Dollar Slug Rejector (Fig. 1, Item 11) and the Wurlitzer Coin Register Mechanism (Playrak) (Fig. 1, Item 8). These units are mounted on the inside of the right hand panel.

The figures following show the method for removal of the units.

CAUTION!

Turn the line switch OFF before removing the Playrak!

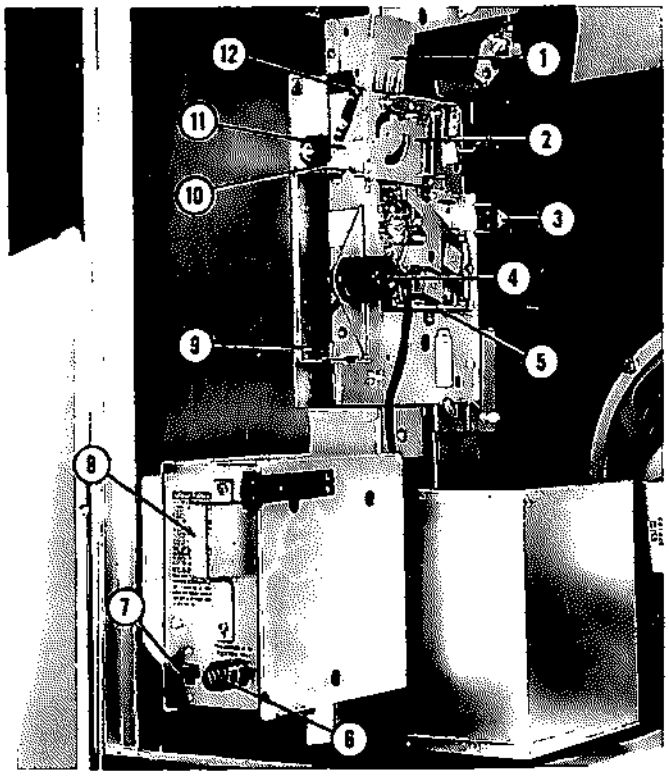


FIG. 1. COIN EQUIPMENT

1.	Lower Coin Chute Assembly	68552
2.	Coin Separator	National
3.	Spring and Catch Assembly	120959
4.	Plug, 5	16617
	Cap	16610
5.	Slug Rejector - 5-10-25	National
6.	Fuse Post	51485
	Fuse, 8/10 Amp. Slow Blo	71591-10
7.	Switch	62886
8.	Coin Register Mechanism (Playrak)	115851
9.	Pivot Pin, Mounting Plate and Spring Catch Assy.	120960
10.	Pivot Pin, Mounting Plate and Spring Catch Assy.	120960
11.	Slug Rejector, 5-10-25 and 50¢	National
12.	Latch Spring, Coin Separator	National

The front plate of the Playrak (Fig. 2, Item 6) is cut back to provide clearance for raising the unit and disengaging its hinge pins, one of which is shown at Item 5.

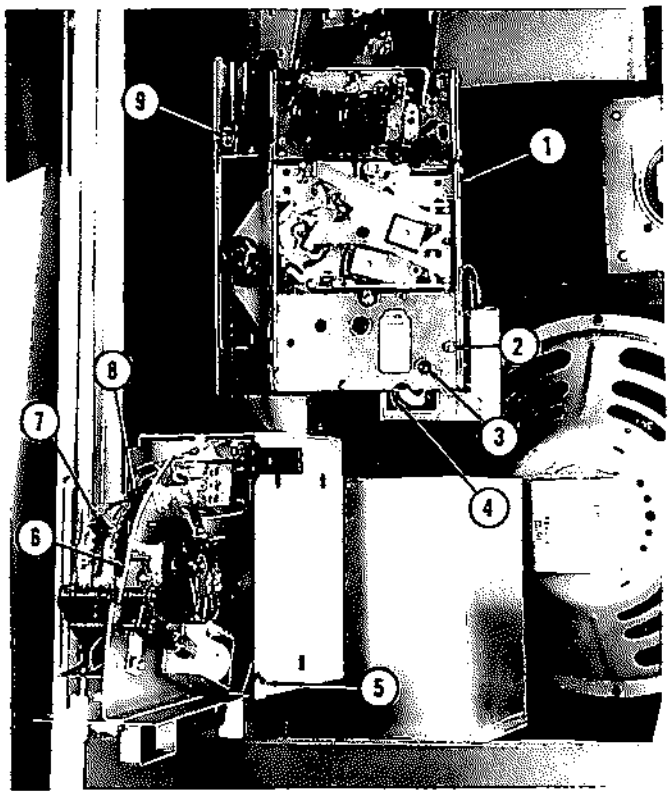


FIG. 2. COIN EQUIPMENT

1.	Main Plate and Stud Assembly	National
2.	Screw	National
3.	Screw	National
4.	Lever, 5¢ (Nickel Flipper)	National
5.	Hinge Pin	66445
6.	Front Plate and Shaft Assembly	66122
7.	Stop Lever and Spring Assembly	66132
8.	Stop Lever and Spring Assembly	66132
9.	Screw, 5/8 - 8 R.H. Type A	73592-21

The complete Slug Rejector Assembly is mounted on two Hinge Pins (Fig. 1, Items 9 and 10) and may be pivoted, as shown in Figure 2, by raising the Lower Coin Chute (Fig. 1, Item 1) and releasing the Spring Latch (Item 3), for ease in checking the coin tracks and coin switches without the cash door keys but with the phonograph in operating condition.

The Slug Rejector Assembly may be removed from the phonograph when in its unlatched, open position, as shown in Figure 2, by disconnecting the plug (Fig. 1, Item 4) and disengaging the two Hinge Pins (Items 9 and 10). The Coin Separator (Item 2) may be removed from the Mounting Channel (Fig. 2, Item 1) by releasing the Latch Spring (Fig. 1, Item 12). After the Coin Separator has been removed the 5-10-25¢ Slug Rejector (Item 5) may be lifted out of the mounting.

The Slug Rejector Assembly has been adjusted to accept coins with the phonograph on a level surface.

Should it be necessary to compensate for uneven footing two methods are available:

a. The caster, where height is required, may be removed and 7/16" iron washers installed on the caster pin. Replace the caster and check for proper coin acceptance.

b. The Slug Rejector Assembly is adjustable by loosening the three Top Mounting Screws, one of which is shown in Figure 2, Item 9. The elongated mounting holes provide leveling adjustment front to back. Tighten the mounting screws and check for proper coin acceptance after any adjustment.

Phonographs as shipped from the factory are normally set to operate one play for two nickels or one dime, three plays for one quarter and seven plays for a half dollar. However, they may be changed to operate on five cent play if desired, by removing the two Screws (Fig. 2, Items 2 and 3) and setting the Nickel Flipper (Item 4) in the position which will cause each nickel to actuate the 5¢ coin switch. Replace the Screws (Items 2 and 3) in their reverse positions, thus holding the Nickel Flipper in the 5¢ play position. Replace the Slug Rejector and reset the Stop Levers (Fig. 2, Items 7 and 8) to the required number of credits for dimes and quarters. The Slide Switch (Fig. 1, Item 7) must be set to the 5-10-25 position. The Coin Stop, Part Number 120785 packed in the Coin Bag, should be installed on the back side of the coin entrance using the 6-32 x 1/4" R.H. type Z Screw, Part Number 73568-22, furnished. The mounting hole for the Coin Stop will be found in the Selector Button Extrusion directly below the right hand edge of the coin denomination window casting. The installation of the Coin Stop prevents the half dollar coin from entering the coin chute.

CAUTION!

When replacing the Slug Rejector, handle with care so as to prevent damage to the nickel flipper (Fig. 2, Item 4).

It is recommended that National Rejectors, Inc., 5100 San Francisco Ave., St. Louis 15, Missouri, or their branch offices be employed for service or replacement of parts other than those indicated by Wurlitzer part numbers. The cleaning and mechanical adjustments of National components of the Slug Rejector Assembly should be made in accordance with the "Rejector Manual" furnished by National Rejectors, Inc.

1. COIN MECHANISM ADJUSTMENTS

CAUTION!

Make these adjustments with the power off!

a. COIN SWITCH ADJUSTMENTS

The Coin Switches should be adjusted, by forming the Stiffener Blades (Fig. 3, Item 7) to provide 1/32" opening (Item 1) of the Contact Points, with the Plastic Coin Paddles (Item 3) held against the lower edge of the Mounting Bracket (Fig. 3, Item 5) under tension of the long movable blades (Item 2) of the Coin Switch Assembly.

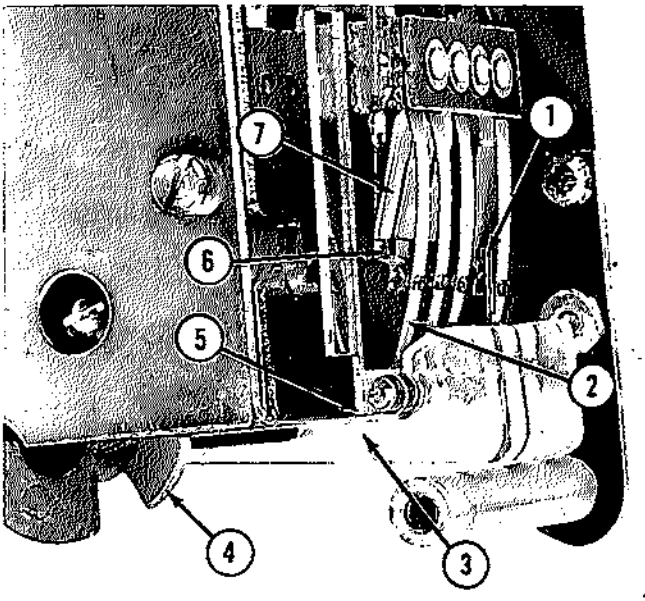


FIG. 3. COIN SWITCH ADJUSTMENT

1.	Dimension 1/32" normally open contact spacing	
2.	Movable Contact Blade, Coin Switch Assem.	119107
3.	Short Paddle	119107-8
4.	Nickel Flipper	
5.	Switch Mounting Bracket	68310
6.	Stationary Contact Blade, Coin Switch Assem.	119107
7.	Stiffener Blade, Coin Switch Assem.	119107

The Stationary Blades (Item 6) should bear against the Stiffener Blades (Item 7) with sufficient tension to prevent vibration. The tension of the movable blades should be adjusted so that a thin coin, when stopped on its Coin Paddle, as shown in Figure 4, will actuate the movable blades, making contact with the stationary blade (Fig. 3, Item 6) and clear the paddle. A pulse of more than 3 seconds duration should normally blow the 8/10 ampere fuse (Fig. 1, Item 6) in the Coin Magnet circuit.

The final test for the Coin Switches should be made with the coin register mechanism in the phonograph in its normal operating condition. Test each individual coin track ten consecutive times with coins of varied wear. If one coin fails to register correctly that particular coin switch should be examined and, if necessary, readjusted.

b. PLAYRAK ADJUSTMENTS

CAUTION!

Make these adjustments with the power OFF!

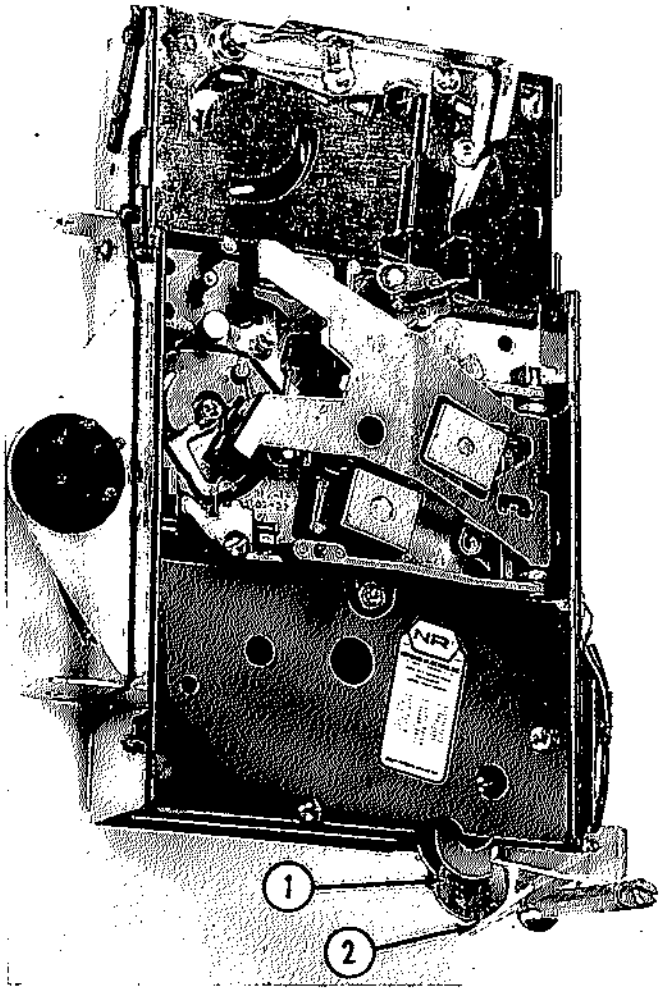


FIG. 4. COIN SWITCH ADJUSTMENT

1. Coin
2. Long Paddle

119107-A

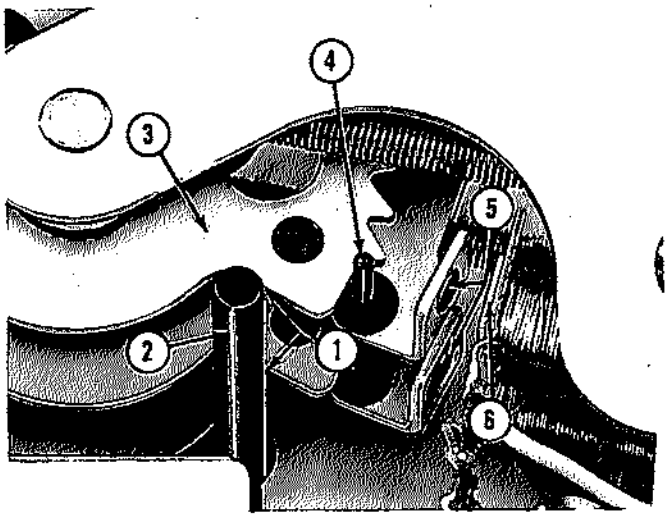


FIG. 5. PLAYRAK ADJUSTMENTS

1. Point of Contact - Driver Pin
2. Driver Pin - Cancel Wheel Assembly — 66124
3. Accumulator Wheel and Hub Assembly (2) — 66131
4. Stud - Lever, Hub and Stud Assembly (2) — 66129
5. Armature End of Lever, Hub and Stud Assembly — 66129
6. Coin Magnet and Bracket Assembly — 66128

Before making any mechanical adjustments on the Playrak, check for the condition shown in Figure 5, Item 1, i.e., when the studs (Item 4) on the lower end of the two Lever and Hub Assemblies are engaged with the first tooth of their respective Accumulator Wheel as shown, the driver pin (Item 2) of the Cancel Wheel Assembly should rest squarely against the edge of the two Accumulator Wheels. Should this condition not exist, examine the Playrak for bent studs or sprung frame. Correction should be made before proceeding with the adjustments.

(1) KEY SWITCH ADJUSTMENTS

The Key Switch and Bracket Assembly may be adjusted by loosening the Mounting Screws (Fig. 6, Item 1). The cancel wheel should be in its normal rest position, with all credits cancelled. The switch and bracket assembly should be positioned so that the Nylon Screw (Item 4) rests on the flat portion of the formed blades and the contact points are held open 1/32" as shown at Item 2. Tighten the Mounting Screws (Item 1) and add one credit on either accumulator wheel. The Nylon Screw (Fig. 6, Item 4) on the Cancel Wheel should now clear the formed tip of the long contact blade as shown in Figure 7, Item 1, allowing the key switch to close with a 1/32" overtravel.

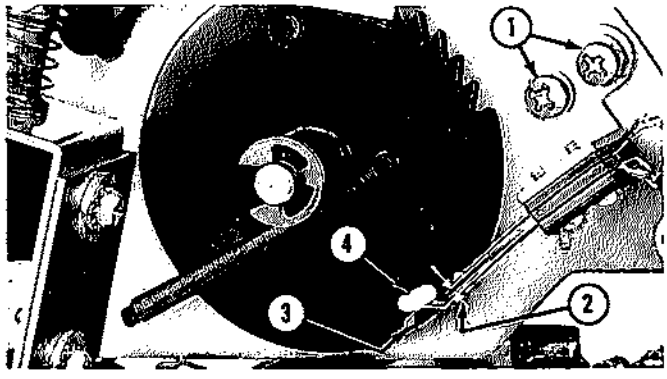


FIG. 6. KEY SWITCH ADJUSTMENT

1. Screw, 6-32 x 1/4", R. Hd. — 73533-22
2. Dimension - 1/32"
3. Key Switch — 66082
4. Screw, 4-40 x 1/2", R. Hd. Nylon — 74288-6

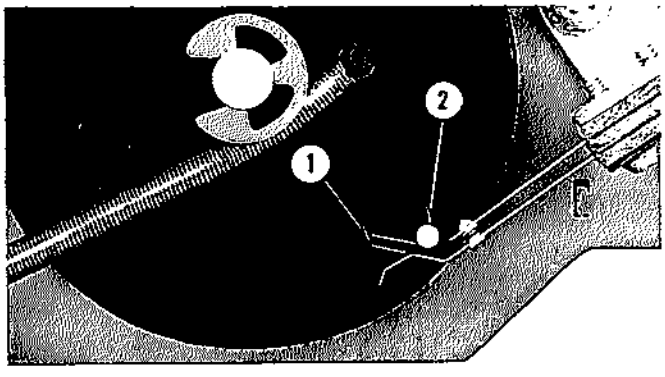


FIG. 7. SWITCH CLEARANCE ADJUSTMENT

1. Clearance
2. Screw, 4-40 x 1/2", R. Hd. Nylon — 74288-6

(2) STOP LEVER AND INDEXING STRIP ADJUSTMENT

The Stop Levers (Fig. 8, Item 2) should be set at 5 credits and the two escapement studs released, allowing the two accumulator wheels to advance to 5 credits. The driver pin on the Cancel Wheel (Fig. 9, Item 1) should rest squarely against the edge of both accumulator wheels as shown at Item 2. Should this condition not exist, loosen the indexing strips Adjusting Screws (Fig. 8, Items 1 and 3) and with the Dime or Half Dollar Indexing Strip set at the center of its adjusting range, move the Quarter Indexing Strip until the above condition is met. Tighten the adjusting screws and reset the Stop Levers to the proper credits.

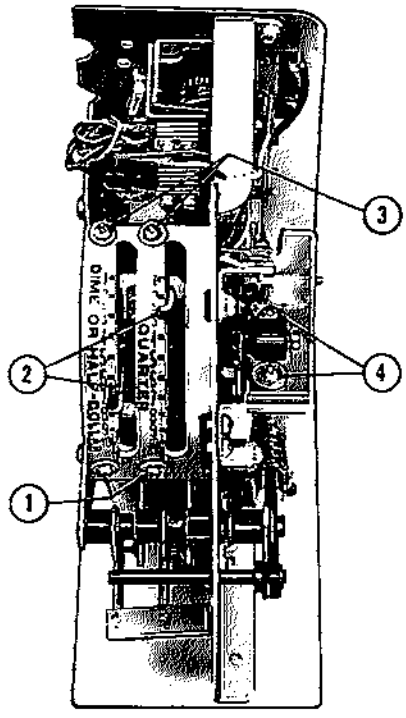


FIG. 8. STOP LEVER AND QUADRANT INDEXING STRIP ADJUSTMENT

1.	Screw, 4-40 x 3/16", R. Hd.	73533-1
2.	Stop Lever and Spring Assembly	66132
3.	Screw, 4-40 x 3/16", R. Hd.	73533-1
4.	Screw, 6-32 x 1/4", R. Hd.	73533-22

(3) CANCEL STROKE ADJUSTMENTS

The Cancel Solenoid Adjusting Screws (Fig. 8, Item 4) should be loosened and the Solenoid backed off before making this adjustment.

Add 5 or more credits on the Dime or Half Dollar Accumulator Wheel. Manually actuate the Cancel Solenoid Plunger as shown in Figure 10, Item 1. The Cancel Pawl (Item 4) should return the Cancel Wheel and Accumulator Wheel one full tooth plus .010" overtravel as shown in Figure 11, Item 1. Should adjustment be required, loosen the Screw (Fig. 10, Item 3) and turn the eccentric adjustment cam to provide the correct cancel action. Tighten the screw (Item 3) and its lock nut on the back side of the mounting plate.

Note: Too much overtravel at Item 1, Figure 11, may cause free play.

The Cancel Solenoid should be positioned while manually holding the cancel solenoid plunger in its actuated position; move the Solenoid up in its elongated mounting holes until the plunger bottoms in the Solenoid. Tighten the screws (Fig. 8, Item 4).

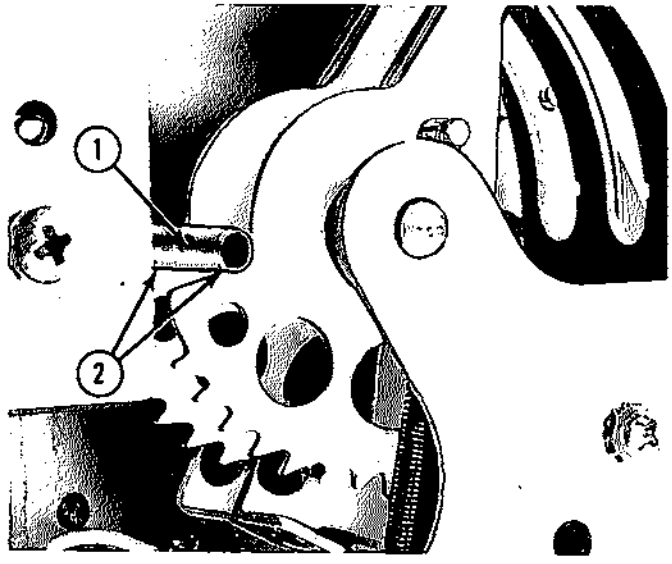


FIG. 9. STOP LEVER AND QUADRANT INDEXING STRIP ADJUSTMENT

1.	Driver Pin - Cancel Wheel Assembly	66124
2.	Accumulator Wheel and Hub Assembly	66131

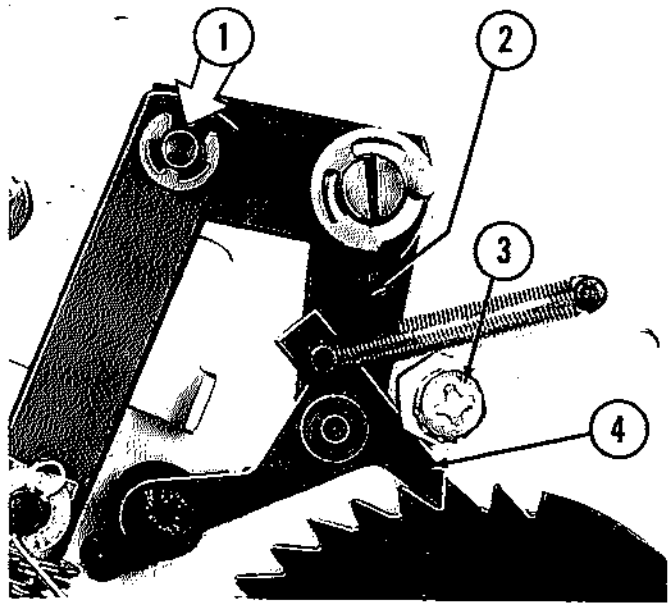


FIG. 10. CANCEL STROKE ADJUSTMENT

1.	Manually actuate at this point	
2.	Pivot Arm and Pawl Assembly	66125
3.	Adjustment Cam	42868
4.	Pin and Pawl Assembly	66127

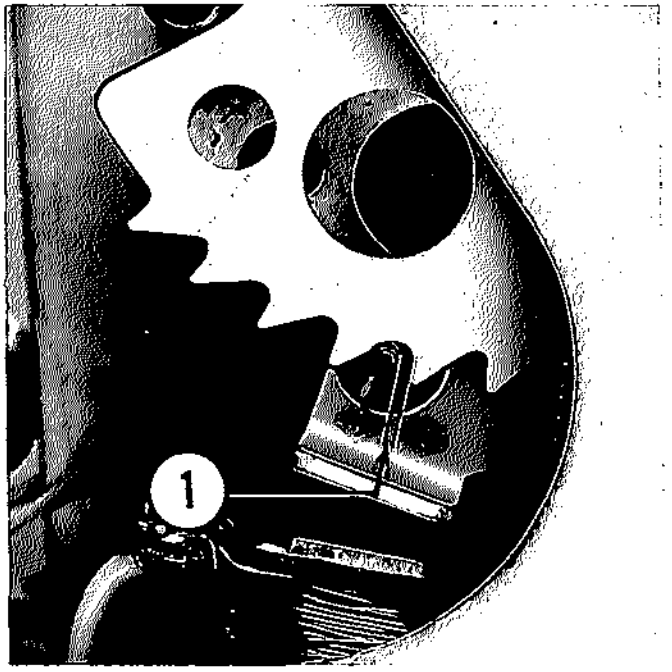


FIG. 11. OVERTRAVEL - CANCEL STROKE ADJUSTMENT

1. Dimension .010" Overtravel

(4) CANCEL PAWL STOP BRACKET ADJUSTMENT

Loosen the Adjusting Screws (Fig. 12, Item 1) and move the Stop Bracket (Item 2) to permit the Cancel Pawl to engage the tooth of the Cancel Wheel at a point 1/3 the length of the slant surface from the tip of the tooth as shown at Item 3. During cancel operation, the cancel pawl Stop Bracket (Item 2) should be free from the edge of the Cancel Pawl (Item 4) marked "No Drag."

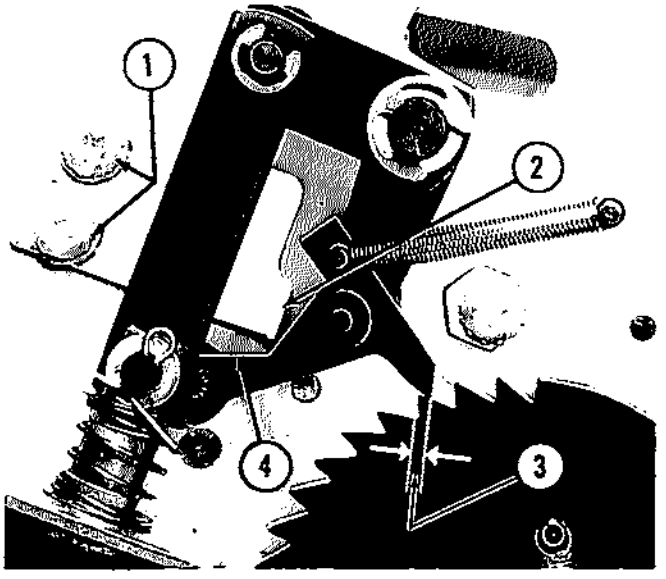


FIG. 12. STOP BRACKET ADJUSTMENT

1.	Screw, 6-32 x 3/16", R. Hd.	73533-21
2.	Stop Bracket - Pawl	66069
3.	Dimension - Engagement 1/3 of Slant Surface	
4.	No Drag of Pawl on Bracket	

2. SELECTOR SWITCH ADJUSTMENT

The Selector Switch Assembly on the Model 2600 Series Phonograph may be serviced and completely adjusted without removing the assembly from the cabinet. One thumb screw will be found inside the left hand cheek casting which may be loosened allowing the cheek casting to be removed. Removing the cheek casting permits the removal of the front panel thereby providing easy access to the selector switch connecting links and the fluorescent lamp above the speaker grille.

a. CONNECTOR LINK ADJUSTMENT - 2600

Figure 13 shows the underside of the 2600 Selector Switch Assembly. Should any adjustments be required, readjust the entire assembly through the following sequence:

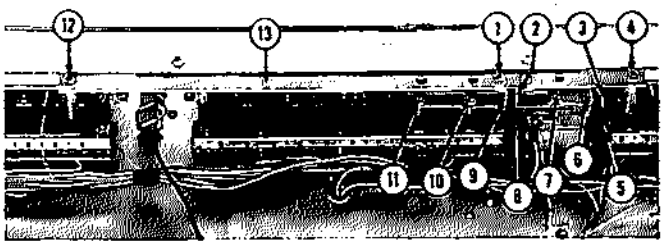


FIG. 13. CONNECTOR LINK ADJUSTMENT - 2600

1.	Screw, 8-32 x 1/4", R. Hd.	73533-34
2.	Adjusting Clip	112417
3.	Connector Link Number Switch	116255
4.	Screw, 8-32 x 1-1/4", R. Hd.	73533-44
5.	Shaft, Link and Lever Assembly, Numbers	111898
6.	Adjusting Clip	116369
7.	Screw, 8-32 x 1/4", R. Hd.	73533-34
8.	Shaft, Link and Lever Assembly, Letters	111897
9.	Adjusting Clip	112417
10.	Screw, 8-32 x 5/8"	73533-39
11.	Screw, 8-32 x 5/8"	73533-39
12.	Screw, 8-32 x 1-1/4"	73533-44
13.	Connector Link, Letter Switches	116260

(1) Loosen the Linkage Adjusting Screws (Fig. 13, Items 1, 4, 7, 10, 11 and 12) and the two Latch Lever Adjusting Screws (Fig. 15, Items 5 & 6). Check all Selector Switch Push Rods and Latch Bars for freedom of action. If any bind exists, correct before proceeding with the adjustments.

(2) Hold the Lever (Fig. 13, Item 8) in a vertical position and set the Adjusting Clip (Item 2) on the Letter Connecting Link (Item 13) to minimum clearance with the lever. Tighten the two screws (Items 4 & 12). Set the Adjusting Clip (Item 9) to minimum clearance with the Lever (Item 8) and tighten the Screw (Item 1). Check all Letter Push Rods for binds. If any bind exists it should be corrected before proceeding.

(3) Hold the Lever (Item 5) in a vertical position and set the Number Connecting Link (Item 3)

to minimum clearance with the Lever (Item 5) and tighten the Screws (Items 10 & 11). Set the Adjusting Clip (Item 6) to minimum clearance with the Lever (Item 5) and tighten the Screw (Item 7). Check all Number Push Rods for binds and if any binds exist, correct before continuing with the other adjustments.

b. CONNECTOR LINK ADJUSTMENT - 2610

Figure 14 shows the underside of the 2610 Selector Switch Assembly. Should any adjustment be required, readjust the entire assembly through the following sequence:

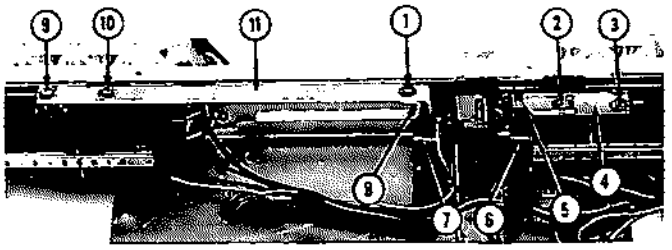


FIG. 14. CONNECTOR LINK ADJUSTMENT - 2610

1.	Screw, 8-32 x 1/4", R. Hd.	73533-34
2.	Screw, 8-32 x 5/8", R. Hd.	73533-39
3.	Screw, 8-32 x 5/8", R. Hd.	73533-39
4.	Connector Link, Number Switch	116252
5.	Adjusting Clip	116369
6.	Shaft, Link and Lever Assembly, Numbers	111898
7.	Shaft, Link and Lever Assembly, Letters	111897
8.	Adjusting Clip	112417
9.	Screw, 8-32 x 1-1/4", R. Hd.	73533-44
10.	Screw, 8-32 x 1-1/4", R. Hd.	73533-44
11.	Connector Link, Letter Switch	116259

(1) Loosen the Linkage Adjusting Screws (Fig. 14, Items 1, 2, 3, 9 & 10) and the two Latch Lever Adjusting Screws (Fig. 15, Items 5 & 6). Check all Selector Switch Push Rods and Latch Bars for freedom of action. If any bind exists, correct before proceeding with the other adjustments.

(2) Hold the Lever (Fig. 14, Item 7) in a vertical position and set the Connecting Link (Item 11) for the Letter Switch to minimum clearance with the Lever (Item 7) and tighten the Screws (Items 9 & 10). Set the Adjusting Clip (Item 8) to minimum clearance with the Lever (Item 7) and tighten the Screw (Item 1). Check each Letter button for binds before proceeding with the adjustments.

(3) Hold the Lever (Item 6) in a vertical position and set the Connecting Link (Item 4) for the Number Switch to minimum clearance with the Lever (Item 6) and tighten the Screw (Item 3). Set the Adjusting Clip (Item 5) to minimum clearance with the Lever (Item 6) and tighten the Screw (Item 2). Check each number button for binds. If any bind exists, correct before proceeding with the adjustment.

c. PRELIMINARY ADJUSTMENT OF LATCH SOLENOID

Loosen the Latch Solenoid Adjusting Screws (Fig. 15, Item 2). Manually hold the Solenoid Plunger (Item 1) firmly bottomed in the Solenoid and set the Solenoid to provide 3/64" maximum clearance between the tab on the Release Lever (Item 4) and the Trip Lever (Item 3). The plunger travel should not exceed 3/16 of an inch.

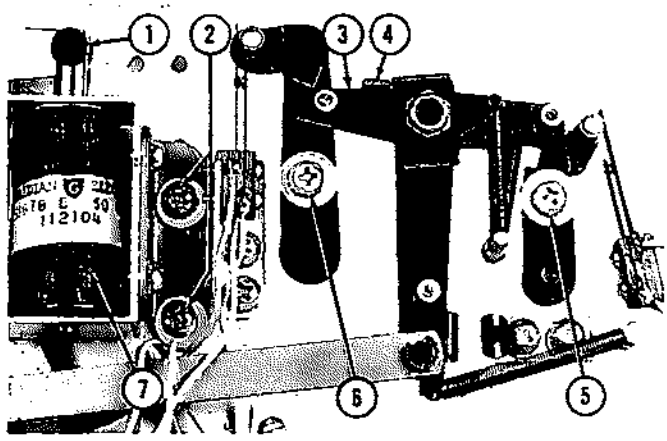


FIG. 15. PRELIMINARY ADJUSTMENT OF LATCH SOLENOID

1.	Plunger, Latch Solenoid	112104-1
2.	Screw, 8-32 x 1/4", R. Hd.	73533-34
3.	Trip Lever, Stud and Spacer Assembly - Letters	117694
4.	Stop Tab on Release Lever, Stud and Spacer Assem.	56713
5.	Screw, 8-32 x 1/4", R. Hd.	73533-34
6.	Screw, 8-32 x 1/4", R. Hd.	73533-34
7.	Latch Solenoid	112104

d. STOP BRACKET ADJUSTMENT - LATCH SOLENOID

The Stop Bracket (Fig. 16, Item 3) should be adjusted with the Release Lever (Item 4) in its normal rest position. Loosen the Adjusting Screws (Item 2) and move the Stop Bracket to provide 1/64" clearance between the Square Stud (Item 5) and the Trip Lever as shown at Item 1.

e. LATCH ADJUSTMENT

The Latch Adjusting Screws (Fig. 15, Items 5 & 6) were loosened to perform the Link adjustments under Sections a and b of the Selector Switch adjustments.

(1) To adjust the Letter Latch Lever, energize the Latch Solenoid (Fig. 15, Item 7) by establishing a credit on the Accumulator and manually hold a letter button fully depressed. Move the Letter Latch Pawl (Fig. 17, Item 1) to allow the Trip Lever (Item 2) to move and rest against the Stop Tab (Item 3). The Square Stud (Item 1) on the Letter Latch Pawl should rest firmly against the Trip Lever (Item 2). Maintain this setting and tighten the Screw (Item 8). Release the letter button by depressing the

Reset Button and check each letter button for proper latching and selector switch contact engagement.

(2) The Number Latch Pawl is adjusted in the same manner as the Letter Latch Pawl. With the Latch Solenoid energized, manually hold a number button fully depressed. Move the Lever (Fig. 17, Item 5) to allow the Pawl (Item 4) to rest against the Stop Tab (Item 7). The Trip Lever (Item 5) should rest firmly against the Square Stud on the Number Pawl (Item 4). Tighten the Screw (Item 6). Release the number button by depressing the Reset Button and check each number button for proper latching and selector switch contact engagement.

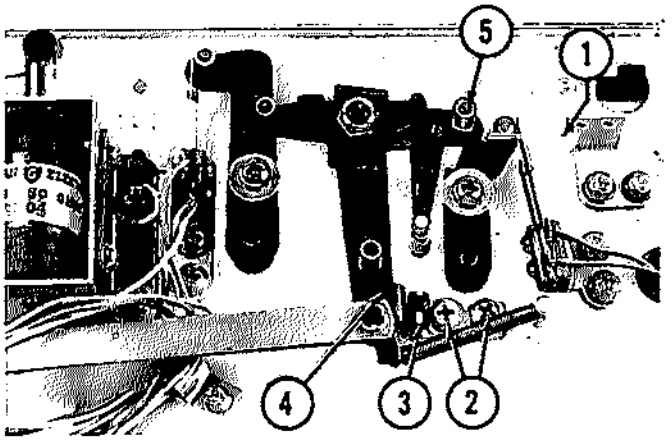


FIG. 16. STOP BRACKET ADJUSTMENT, LATCH SOLENOID

1.	Dimension 1/64" clearance	
2.	Screw, 8-32 x 1/4", R. Hd.	73533-34
3.	Stop Bracket	56628
4.	Release Lever, Stud and Spacer Assembly	56713
5.	Stud - Pawl, Stud and Spacer Assembly, Number	117691

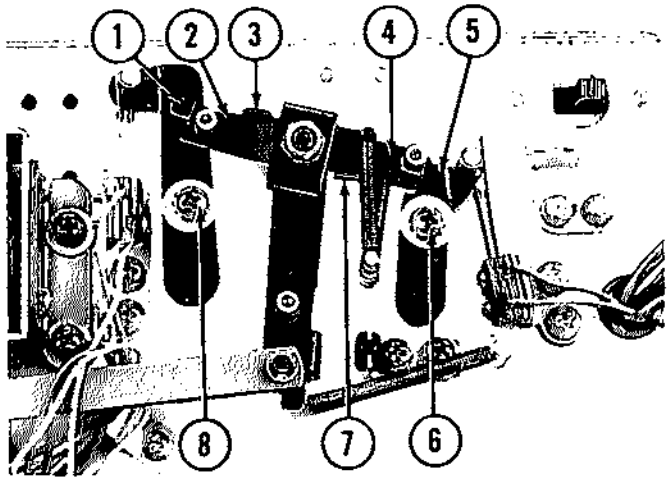


FIG. 17. LATCH ADJUSTMENT

1.	Pawl, Stud and Spacer Assembly, Letters	65009
2.	Trip Lever, Stud and Spacer Assembly, Letters	117694
3.	Stop Tab on Release Lever, Stud and Spacer Assem.	56713
4.	Pawl, Stud and Spacer Assembly, Numbers	117691
5.	Trip Lever and Spacer Assembly, Numbers	117695
6.	Screw, 8-32 x 1/4", R. Hd.	73533-34
7.	Stop Tab on Release Lever, Stud and Spacer Assem.	56713
8.	Screw, 8-32 x 1/4", R. Hd.	73533-34

CAUTION

Check to make sure that the adjustments did not change when the screws were tightened.

f. FINAL LATCH SOLENOID ADJUSTMENT

(1) Loosen the Latch Solenoid Adjusting Screws (Fig. 15, Item 2). Manually hold the Plunger (Item 1) firmly bottomed in the solenoid. Move the solenoid to provide 5/64" maximum clearance between the Tab (Item 4) on the Release Lever and the Letter Trip Lever (Item 3).

(2) The plunger travel should not exceed 3/16". Check the Release Lever action for mechanical bind of the plunger within the solenoid. Realign the Latch Solenoid with the plunger if necessary but maintain the adjustment as outlined above.

g. CONTROL SWITCH ADJUSTMENT

Manually hold the Latch Solenoid Plunger (Fig. 18, Item 1) in the actuated position. Loosen the Adjusting Screws (Item 4) and move the Control Switch and Bracket Assembly to provide 1/32" to 1/16" opening (Item 8) of the normally closed contacts. The normally open contacts (Item 7) should close with a 1/32" overtravel.

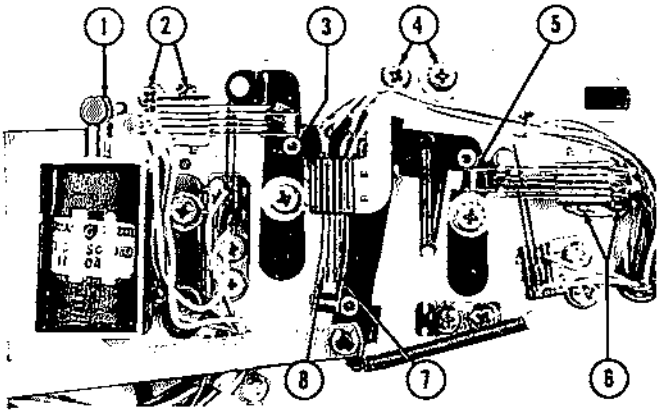


FIG. 18. CONTROL AND LATCH SWITCH ADJUSTMENT

1.	Plunger, Latch Solenoid	112104-1
2.	Screw, 8-32 x 1/4", R. Hd.	73533-34
3.	Zero Clearance	
4.	Screw, 8-32 x 1/4", R. Hd.	73533-34
5.	Zero Clearance	
6.	Screw, 8-32 x 1/4", R. Hd.	73533-34
7.	Contacts close with 1/32" Overtravel	
8.	Contacts open 1/32"	

h. LETTER AND NUMBER LATCH SWITCH ADJUSTMENT

Manually hold the Latch Solenoid Plunger (Fig. 18, Item 1) in the actuated position. Loosen the Letter Latch Switch Adjusting Screws (Item 2)

and set the long blade of the switch assembly to zero clearance with the insulated stud on the Trip Lever as shown at Item 3. The contacts are set normally open 1/32". When a letter button is latched the contacts should close with 1/32" overtravel. The contact blades may be formed to provide the proper gap and overtravel.

The Number Latch Switch may be adjusted in the same manner by loosening the Screws (Fig. 18, Item 6). The contact setting should be the same as for the Letter Latch Switch above.

i. LETTER AND NUMBER SERIES SWITCH ADJUSTMENT

The Letter Series Switch should be adjusted when the Latch Solenoid Plunger and Linkage is in its normal rest position. Loosen the Adjusting Screws (Fig. 19, Item 4) and set the long blade of the Series Switch to zero clearance with the fiber stud on the pawl as shown at Item 1. The contacts should open 1/32" when any letter button is depressed and should close with 1/32" overtravel when the letter button is released.

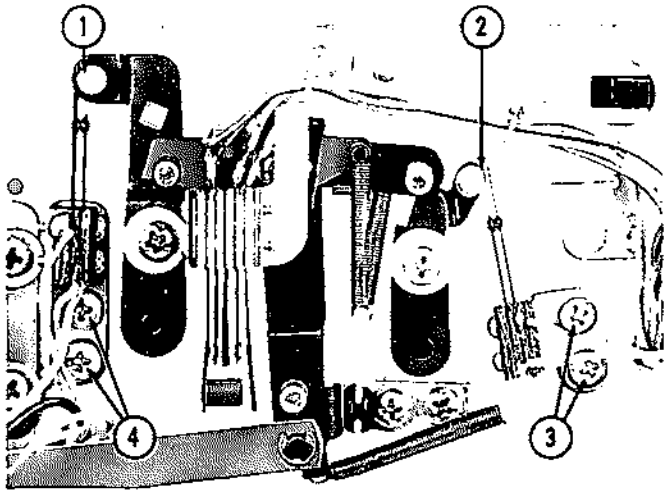


FIG. 19. LETTER AND NUMBER SERIES SWITCH ADJUSTMENT

1. Zero clearance
2. Zero clearance
3. Screw, 8-32 x 1/4", R. Hd. 73533-34
4. Screw, 8-32 x 1/4", R. Hd. 73533-34

The Number Series Switch may be adjusted in the same manner by loosening the Screws (Item 3). The long blade of the Number Series Switch should be set to zero clearance with the fiber stud on the Trip Lever as shown at Item 2. The contacts should open 1/32" when any number button is depressed and close with 1/32" overtravel when the number button is released.

3. ELECTRIC SELECTOR ADJUSTMENTS

a. ROTATING PLATE AND ROCKER ARM ADJUSTMENTS - 2600

All adjustments on the Electric Selector Assembly may be made with the assembly mounted on the changer or removed from the changer. When adjustment is attempted while mounted on the changer the power should be turned off.

(1) Manually depress the number "1" Solenoid Plunger (Fig. 20, Item 2) and turn the Rotating Plate and Rocker Arm Assembly (Item 5) in a clockwise direction by turning the Nylon Gear (Item 4) of the Selector Motor Assembly. One of the Stop Pins (Item 3) will contact the depressed plunger of the number "1" solenoid. Continued rotation of the nylon gear will drive the number quadrant until it stops against the forward Stop Screw (Item 6). In this position, the left hand end of the Actuator Bar (Fig. 21, Item 4) should be in line with the left hand edge of the formed tip of the Letter Coil Plunger (Item 1) with a maximum overtravel of 1/32". Check this alignment at each of the 20 letter solenoid plungers. The forward Stop Adjusting Screw (Fig. 20, Item 6) may be set to provide correct alignment. The tip of the Rocker Arm (Fig. 21, Item 3) may contact the edge of the Selector Pin (Item 2) on the center line of the Rocker Arm tip with a tolerance of 1/32" either side of center.

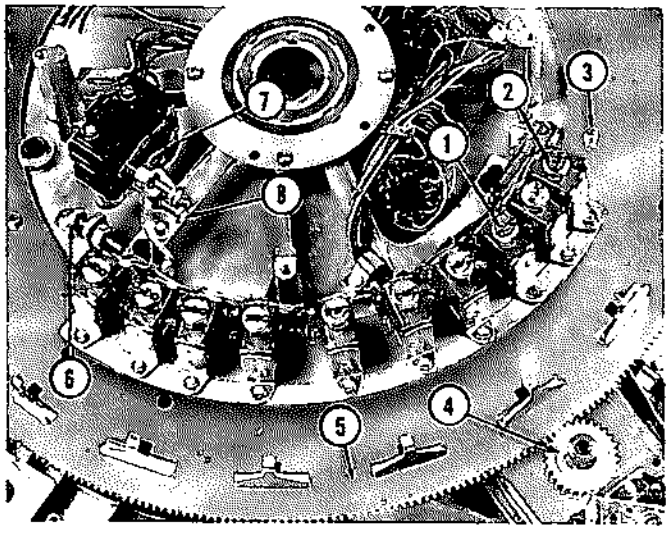


FIG. 20. ELECTRIC SELECTOR - 2600

1. Solenoid, Selector Stop, Number "0" 68617
2. Solenoid, Selector Stop, Number "1" 68804
3. Stop Pin (10) 115411
4. Gear and Hub Assembly, Selector Motor 68717
5. Rotating Plate and Rocker Assembly 111481
6. Screw, 10-32 x 1", Hex Hd. 73793-122
7. Micro Switch, Start Switch 110558
8. Screw, 8-32 x 1", Hex Hd. 73793-88

(2) Release the nylon gear and allow the number quadrant to return to rest position. Repeat the foregoing steps, depressing the number "0" Stop Solenoid Plunger (Fig. 20, Item 1). Manually hold the number quadrant in its forward stop position with the Nylon Gear (Item 4) and check the alignment of the 20 Letter Solenoid Plungers with the Rocker Arm Actuating Bars. The number "0" position will be at

the opposite end of the rocker arm actuating bar from the number "1" position and the right hand edge of the formed tip of the letter solenoid plungers should be approximately 1/32" to 1/16" in from the end of the bars.

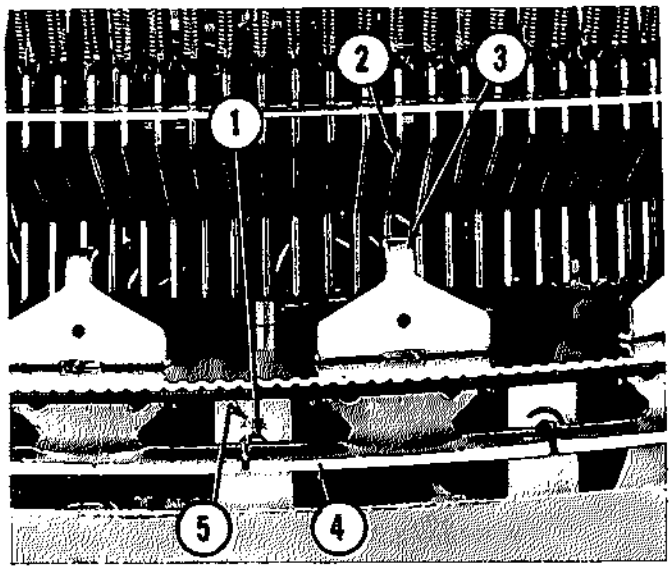


FIG. 21. ELECTRIC SELECTOR - 2600

1.	Formed Tip of Plunger, Letter Selector	68496
2.	Number one Latch Pin (Inner)	110941
3.	Tip of Rocker Arm (20)	67926
4.	Actuating Bar, Rocker Arm	67926
5.	Dimension, 1/32" Overtravel	

b. START SWITCH ADJUSTMENT

The Start Switch (Fig. 20, Item 7) should be checked after any adjustment of the forward Stop Screw (Fig. 20, Item 6). It is actuated by the forward movement of the number quadrant and the Adjusting Screw (Fig. 20, Item 8). It is important that this switch operate very close to the time when the number quadrant stops against the forward Stop Screw. The following method may be used to adjust the Start Switch: Manually hold a number Solenoid Plunger depressed. Turn the Rotating Plate and Rocker Arm Assembly in a clockwise direction by turning the Selector Motor Nylon Gear (Fig. 20, Item 4) until the number quadrant rests against the forward Stop Screw (Item 6). Hold the number quadrant firmly in position with the Nylon Gear and back out the Actuating Screw (Fig. 20, Item 8) until the switch is in its normally closed position. Turn the Actuating Screw (Item 8) in until the switch actuates plus one full turn for overtravel.

c. BACK STOP SCREW ADJUSTMENT

The Number Quadrant (Fig. 22, Item 4) is held against the Back Stop Screw (Item 2) in its normal rest position by its Retracting Spring (Item 3). The Back Stop Screw should be adjusted to provide 1/16" overtravel of the Number Quadrant after the Start Switch resets on return of the Number Quadrant. The following method may be used to adjust the Back Stop Screw. The Number Quadrant must be in its normal rest position. Turn the Back Stop Screw (Fig. 22, Item 2) in, driving the Number Quadrant forward, until the Start Switch (Fig. 22, Item 1) actuates. Turn the Back Stop Screw out until the Start Switch resets plus two full turns for overtravel.

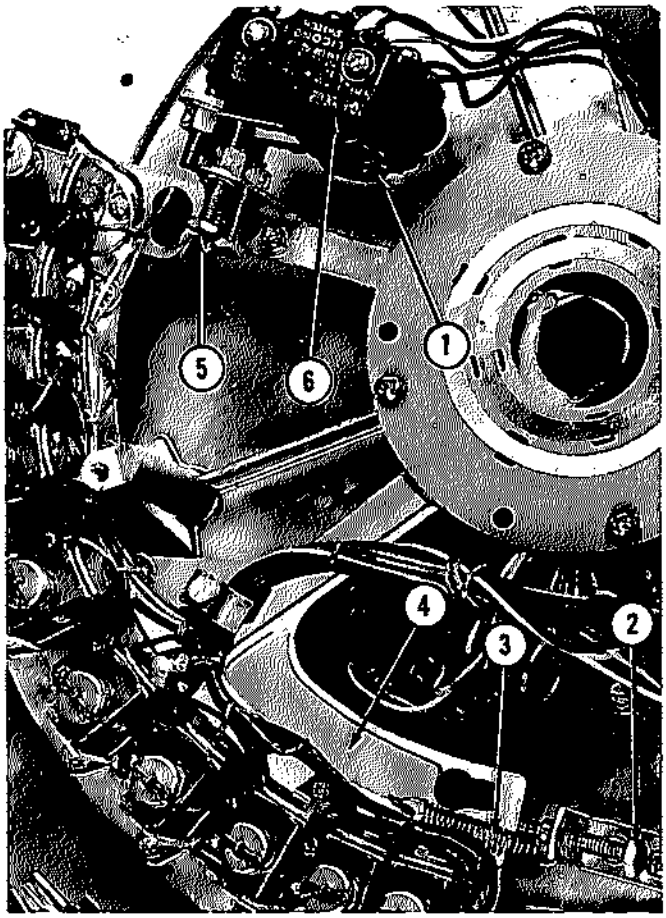


FIG. 22. ELECTRIC SELECTOR - 2600

1.	Micro Switch, Start	110558
2.	Screw, 10-32 x 1", Hex Hd.	73793-122
3.	Spring	62773
4.	Mounting Casting Assembly, Number Quadrant	115915
5.	Screw, 8-32 x 1", Hex Hd.	73793-88
6.	Micro Switch, Reverse	110558

d. REVERSE SWITCH ADJUSTMENT

This adjustment should follow any adjustment of the Back Stop Screw. Figure 22, Item 6, shows the Reverse Switch. The adjustment should be made while the Number Quadrant is in its normal rest position by turning the Adjusting Screw (Item 5) in until the Reverse Switch actuates. Then back the adjusting screw out until the Reverse Switch resets plus 1/2 to 1 full turn for overtravel.

e. OVERRIDE SWITCH ADJUSTMENT (WOBBLE PLATE SWITCH)

(1) 2600 Electric Selector

When a Selector Latch Pin (Fig. 23, Item 1) is released the Wobble Ring (Item 7) is moved upward by the tension of the Selector Latch Pin Spring (Item 9). The Spacer (Item 8) closes the contacts of one of the Override Switches (Item 3). To check for correct switch action, choose a Selector Pin midway between two spacers. Release the Selector Pin and slowly work the pin up and down. The Override Switch contacts on each side of the Selector Pin should make at about 1/3 of the upward travel of the pin and allow the pin to make its full travel. Should adjustment be required, the blades of the switches may be formed with a suitable contact adjusting tool. Each pair of Override Switches should be checked using pins number E-8, K-8, Q-8 and V-8, making sure that the contacts on each side of the released Selector Pin close with good overtravel and permit the pin to make its full travel.

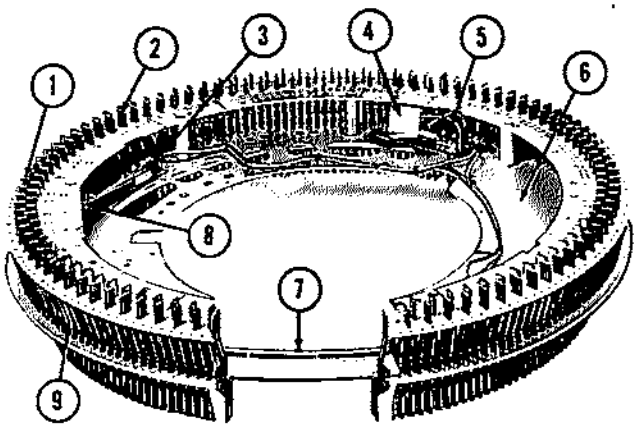


FIG. 23. SELECTOR PLATE AND LATCH PIN ASSEMBLY - 2600

1.	Latch Pin, Outer (100)	110942
2.	Latch Pin, Inner (100)	110941
3.	Override Switch Assembly (4)	65952
4.	Socket, 3 circuit Amp-Lok	117824
5.	Override Switch Assembly	65952
6.	Selector Plates and Spacer Assembly	111027
7.	Wobble Ring	67927
8.	Spacer (4)	68650
9.	Spring (200)	110480

(2) 2610 ELECTRIC SELECTOR

The Override Switches are mounted on the Wobble Plate in the 2610 Electric Selector as shown in Figure 24, Items 1, 2, 3 & 4. Selector Pins number B-1, D-6, F-0 and J-6 should be used to check each pair of override switches using the same procedure as described for the 2600 in paragraph (1) above.

f. ROTATING PLATE AND ROCKER ARM ADJUSTMENT - 2610

To adjust the Rotating Plate and Rocker Arm Assembly, the Electric Selector should be removed from the 2610 Changer Mechanism and the bottom cover removed. Stand the assembly on edge with the components in the position shown in Figure 25.

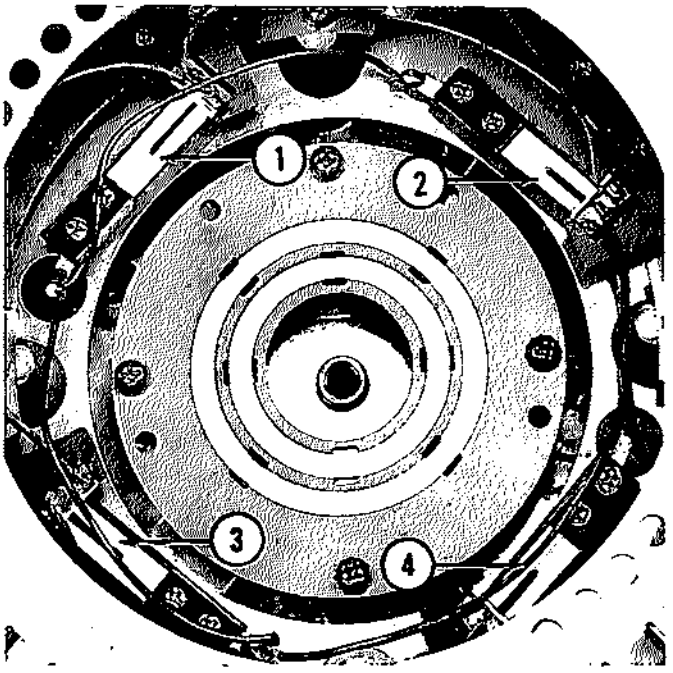


FIG. 24. OVERRIDE SWITCH - ELECTRIC SELECTOR - 2610

1.	Override Switch	115918
2.	Override Switch	115918
3.	Override Switch	115918
4.	Override Switch	115918

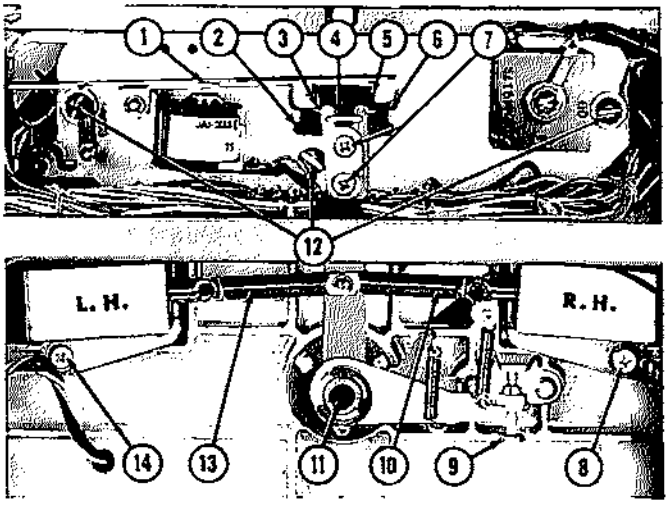


FIG. 25. ROTATING PLATE AND ROCKER ARM ADJUSTMENT

1.	Stop Arm Assembly	115862
2.	Stop Tab - Mounting Plate and Spring Stud Assembly	117986
3.	Stop Tab - Stop Arm Assembly	115862
4.	Stop Bracket - Selector	115789
5.	Stop Tab - Stop Arm Assembly	115862
6.	Stop Tab - Mounting Plate and Spring Stud Assembly	117986
7.	Screw, 8-32 x 5/16", R. Hd.	73533-35
8.	Screw, 8-32 x 5/16", R. Hd.	73533-35
9.	Screw, 8-32 x 7/8", Hex Hd.	73793-87
10.	Spring and Plug Assembly	64783
11.	Centering Shaft and Plate Assembly	115812
12.	Screw, 10-32 x 7/16", R. Hd. (3)	73692-49
13.	Spring and Plug Assembly	64783
14.	Screw, 8-32 x 5/16", R. Hd.	73533-35

(1) The Guide Plate, held by the Adjusting Screws (Fig. 25, Item 7), should be set to zero clearance with the Stop Bracket (Item 4) on the Rotating Plate and Rocker Arm Assembly.

(2) The Adjusting Screw (Item 9) should be set to align the tips of the 20 Rocker Arms (Fig. 26, Item 1) with 10 Selector Pins number 3, A through K and 10 Selector Pins number 8, A through K. This is the normal rest position for the Rotating Plate and Rocker Arm Assembly.

To check the alignment of the Rocker Arms with the other Selector Pins the following steps are suggested:

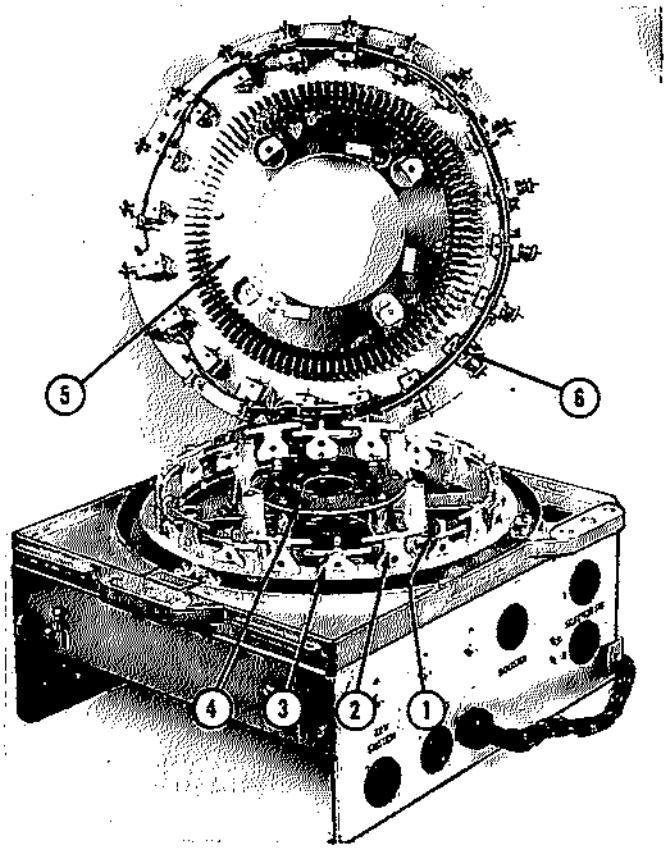


FIG. 26. ELECTRIC SELECTOR ASSEMBLY - 2610

1.	Tip of Rocker Arm	
2.	Rocker Arm, Long (10)	115788
3.	Rocker Arm, Short (10)	117692
4.	Contact Plate Assembly	66186
5.	Wobble Plate	115796
6.	Solenoid - Selector (20)	64602

(a) Manually move the Rotating Plate and Rocker Arm Assembly to the extreme right hand stop position with the Stop Bracket (Fig. 25, Item 4) resting against the Stop Tab (Item 6). In this position the tips of the 20 Rocker Arms should be in alignment with 10 Selector Pins number 1, A through K and 10 Selector Pins number 6, A through K. Should adjustment be required the three Mounting Screws (Item 12) may be loosened and the Stop Magnet Mounting Plate moved to provide correct alignment.

(b) Manually hold the Rotating Plate and Rocker Arm Assembly in its extreme left hand position with the Stop Bracket (Fig. 25, Item 4) resting against the Stop Tab (Item 2). In this position the tips of the 20 Rocker Arms should be in alignment with 10 Selector Pins number 5, A through K and 10 Selector Pins number 0, A through K. The Stop Coil Mounting Plate may be moved, by loosening the three screws (Item 12) to arrive at a satisfactory setting for both the right and left hand positions.

(c) The right hand intermediate stop position should be checked by manually operating the Stop Magnet Armature (Item 1) and moving the Rotating Plate and Rocker Arm Assembly to position the Stop Bracket (Item 4) against the Stop Tab (Item 5) on the Armature. In this position the tips of the 20 Rocker Arms (Fig. 26, Item 1) should be in alignment with 10 Selector Pins number 2, A through K and 10 Selector Pins number 7, A through K. Should adjustment be required the Stop Tab (Fig. 25, Item 5) may be formed.

(d) The left hand intermediate stop position should be checked in the same manner as for the right hand intermediate stop. The Stop Bracket (Fig. 25, Item 4) should be manually held against the Stop Tab (Item 3) on the Stop Magnet Armature. In this position the tips of the 20 Rocker Arms (Fig. 26, Item 1) should be in alignment with 10 Selector Pins number 4, A through K and 10 Selector Pins number 9, A through K. Should adjustment be required the Stop Tab (Fig. 25, Item 3) may be formed.

g. DRIVER SOLENOID ADJUSTMENT

(1) The two Driver Solenoids shown in Figure 25 labeled R.H. and L.H. serve to turn the Rotating Plate and Rocker Arm Assembly to position the tips of the Rocker Arms at the correct Selector Pins as determined by the Number Button selected. To check for correct adjustment manually hold the R.H. Driver Solenoid Plunger bottomed in the Solenoid. The coupling spring of the Plug and Spring Assembly (Fig. 25, Item 10) should stretch 1/16" while the Stop Bracket (Item 4) on the Rotating Plate and Rocker Arm Assembly is held firmly against the extreme Right Hand Stop (Item 6). Should adjustment be required the Solenoid Mounting Bracket may be moved by loosening the two mounting screws, one of which is shown at Item 8. It is important to maintain the straight-in-line position between the Solenoid and Plunger and there must be no binds on the Rotating Plate or its operating linkage.

(2) The L.H. Driver Solenoid Adjustment should be checked by manually holding the Plunger bottomed in the Solenoid. The Coupling Spring (Item 13) should stretch 1/16" while the Stop Bracket (Item 4) on the Rotating Plate and Rocker Arm Assembly is

held firmly against the extreme Left Hand Stop (Item 2). Should adjustment be required the Solenoid Mounting Bracket may be moved by loosening the two mounting screws, one of which is shown at Item 14.

h. ELECTRIC SELECTOR CENTERING

Centering of the 200 Selection Electric Selector Assembly must be carefully done whenever the Electric Selector Assembly is removed from the Changer Mechanism. The assembly is held in position by two mounting screws (Fig. 27, Item 6) and by the Mounting Plate and Silk Screen Assembly (Fig. 28, Item 4) at the rear of the changer.

(1) To remove the Electric Selector Assembly from the changer mechanism remove the lower and upper rear doors from the cabinet. Disconnect the mute plug from the amplifier, the chassis plug from the junction box and the changer motor plug from the junction box. The cables wired to the plugs disconnected above should be removed from the cable clips on the Support Plate and Silk Screen Assembly (Fig. 28) and placed on top of the chassis mounting plate where they will be out of the work area. Disconnect the four plugs on the bottom of the Electric Selector. Manually rotate the Record Carrier so that the Selector Crank arms are approximately over A0 and L0 selections. Remove the two front Mounting Screws (Fig. 27, Item 6) first, which allows the Electric Selector to rest on the front Guide Brackets (Fig. 27, Items 1 & 5). Loosen the rear top Mounting Screws (Fig. 28, Item 2). Grasp the rear support plate with one hand at the L Bracket (Item 5) and remove the two Top Screws (Item 2). Lower the Support Bracket and rear edge of the Electric Selector far enough to clear the rotary contact wipers on the bottom of the main shaft. With the other hand supporting the Electric Selector from underneath, slowly move the Assembly down and to the rear, carefully removing it from the cabinet.

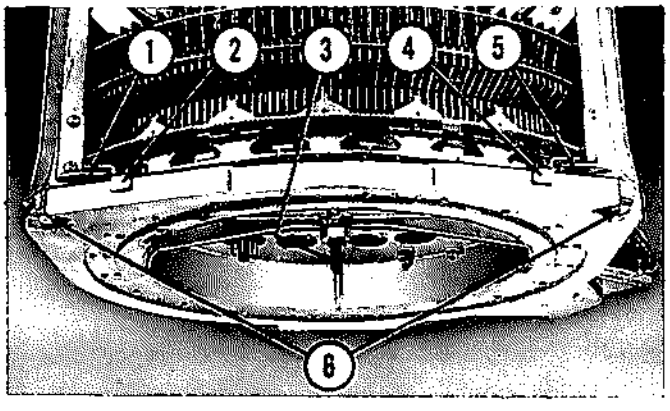


FIG. 27. ELECTRIC SELECTOR CENTERING - 2600

1.	Guide Bracket, L. H. Selector Support Casting	68757
2.	Guide Bracket, L. H.	68759
3.	Centering Shaft	69247
4.	Guide Bracket, R. H.	68760
5.	Guide Bracket, R. H. Selector Support Casting	68758
6.	Mounting Screws, 1/4-20 x 1", Hex Hd. (2)	73793-150

(2) To install the Electric Selector Assembly after servicing, check to see that the Selector Crank Arms are in the same position as for removal of the assembly. Carefully engage the Brackets (Fig. 27, Items 2 & 4) with the Support Brackets (1 & 5). Use caution to avoid damaging the rotary wiper contacts on the bottom of the main shaft. Lift the rear Support Bracket and insert the Mounting Screws (Fig. 28, Item 2); turning the screws in by hand until the mounting surfaces just make contact.

Insert the Centering Shaft (Fig. 27, Item 3) through the center bushing in the Electric Selector and into the Main Shaft. Note: A No. 2 Phillips Screw Driver may be substituted in place of the Wurlitzer Centering Shaft.

Install the two front Mounting Screws (Fig. 27, Item 6), turning them in by hand until the mounting surfaces make contact. While in this loose condition locate the Electric Selector so that the Centering Shaft (Fig. 27, Item 3) slides freely in and out of the Main Shaft. Carefully maintain this adjustment and tighten the four mounting screws. As a final test for correct centering of the Electric Selector, insert the Centering Shaft (Item 3) into the main Selector Shaft. One full turn of the Record Carrier in a clockwise direction should cause the Centering Shaft to drop out. If the Centering Shaft does not drop out, the mounting screws should be loosened and the assembly re-centered. When centering of the Electric Selector Assembly has been completed the selector crank arm adjustments should be checked and the mechanism checked for correct selections.

(3) When an Electric Selector Assembly must be exchanged on a 200 selection phonograph, the following procedure should be used:

(a) Mount the Electric Selector in accordance with the steps described in paragraph (2) above to the point where the assembly is centered and the four mounting screws are loose. Loosen the two Bottom Screws (Fig. 28, Item 3) which will permit the selector assembly to shift in the elongated mounting holes. Manually turn the Record Carrier until H-1 record compartment is indexed at the left hand Record Lift Arm. Going to the rear of the phonograph, the Tip and Mounting Bracket, on the Selector Crank Arm which engages the inner Selector Pins, will be visible to the left of the rear support plate as shown in Figure 29, Item 1. While in this position the Electric Selector Assembly may be turned in either direction on its mounting to locate H-1 Selector Pin (Item 2) to the right of the Tip (Item 1) on the Selector Crank Arm. The Tip should be approximately on the center line between H-1, the inner pin, and H-2, the outer pin, as shown at Item 3. Maintain this alignment and tighten the lower mounting screws (Fig. 28, Item 3) in the rear support plate. Continue by following the directions under

paragraph (2) for centering the Electric Selector and tighten all mounting screws, checking to make sure that the centering shaft will slide freely in and out of the main shaft. Following the installation of a replacement Electric Selector it may be necessary to readjust the Selector Crank Arm Actuating Screw, the Kick-off Screw and possibly the Selector Crank Clearance and Cancel Lever. These adjustments will be found by referring to the Index to Adjustments on page 93 under the heading "Record Changer Adjustments."

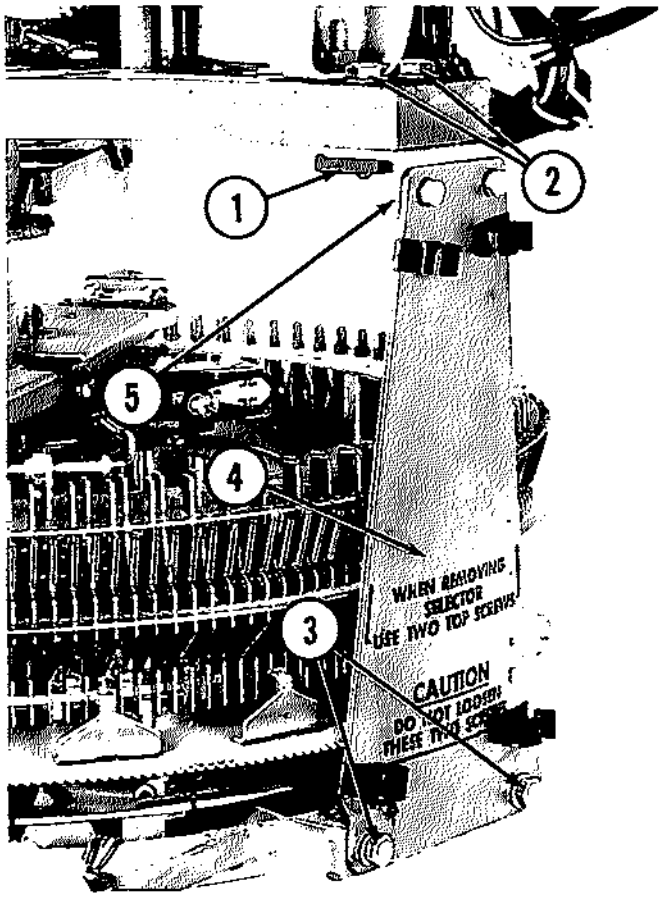


FIG. 28. ELECTRIC SELECTOR ADJUSTMENT - 2600

1.	Tapping Plate	117243
2.	Screw, 1/4-20 x 1-1/4", Hex Hd.	73793-151
3.	Screw, 10-32 x 1/2", Hex Hd.	73793-118
4.	Silk Screen and Support Plate Assembly	68799
5.	Bracket, Support Plate	117242

i. CENTERING OF THE 100 SELECTION ELECTRIC SELECTOR

(1) Centering of this Electric Selector Assembly is normally not required if the original unit is retained with its changer. The assembly may be removed by disconnecting all plugs and removing three screws, one of which is shown in Figure 30, Item 3. The Guide Plates (Item 2) held by the Screws (Item 5) should not be loosened. However, where Electric Selector Assemblies are interchanged the three Guide Plates, one of which is shown in Figure 30, Item 2, should be loosened. The Assembly should be loosely mounted on the three Studs (Item 1) so that the mounting surfaces make contact. Manually rotate the record carrier until D-5 record compartment is indexed over the left hand record lift arm. Insert the Centering Shaft (Fig. 30, Item 4), Part Number 69247, or a Number 2 Phillips Screw Driver, through the center bushing as shown and into the main shaft. Turn the Electric Selector Assembly to locate D-5 selector pin to the right of the Tip (as viewed from the rear) (Fig. 29, Item 2) on the selector crank arm. The tip should be approximately on the center line between D-5 and D-6 the outer pin. Tighten the Screws (Fig. 30, Item 5) in the three alignment plates and the three Mounting Screws (Item 3). Check the selector crank arm adjustments and check for correct selections.

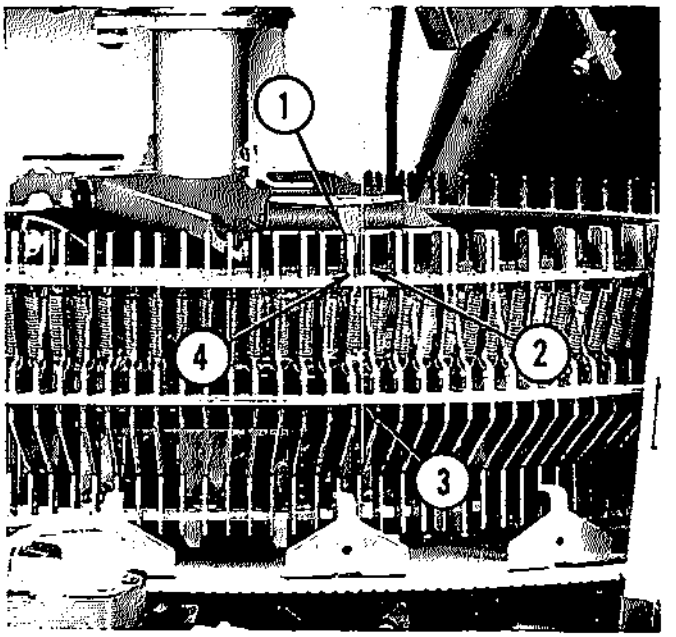


FIG. 29. ELECTRIC SELECTOR ADJUSTMENT - 2600

1.	Tip and Mounting Bracket Assembly, Inner	110936
2.	Selector Latch Pin, H-1	110941
3.	Center Line, Location of Tip (Item 1)	
4.	Selector Latch Pin, H-2	110942

4. RECORD CHANGER ADJUSTMENTS

a. SELECTOR CRANK ARM CLEARANCE ADJUSTMENT

The tips of the Selector Crank Arms should clear the selector pins, when in their normal latched position by 1/16" to 1/8" as shown in Figure 31, Item 1. Set the Record Loading Lever (Fig. 32, Item 2) in "Load" position and release 8 selector pins spaced evenly around the assembly. The tips of the Selector Crank Arms should clear the released pins. Should adjustment be required turning the adjusting screw (Fig. 31, Item 5) will raise or lower the arms. The model 2610 has this adjusting screw in the same location but it is adjusted from the upper end.

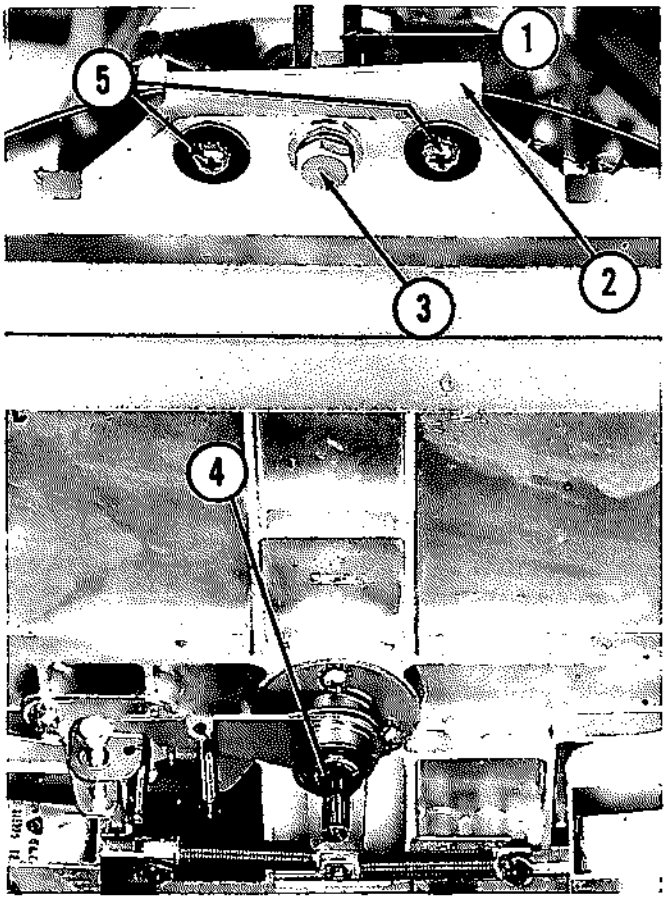


FIG. 30. CENTERING OF ELECTRIC SELECTOR - 2610

1.	Stud (3)	115782
2.	Guide, Selector Mounting Stud (3)	61850
3.	Screw, 1/4-20 x 1" Hex Hd.	73793-150
4.	Centering Shaft	69247
5.	Screw, 8-32 x 3/4", R. Hd.	73533-40

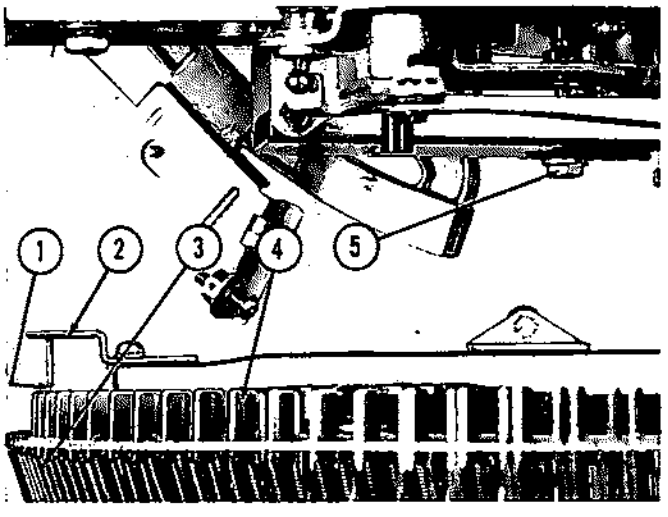


FIG. 31. SELECTOR CRANK CLEARANCE ADJUSTMENT

1.	Dimension 1/16" to 1/8"		
2.	Tip and Mounting Bracket Assembly, Outer		110930
3.	Spring		110480
4.	Selector Latch Pin, Outer		110942
5.	Screw, Crank Arm Clearance Adjustment -	2600	73793-124
		2610	73793-125

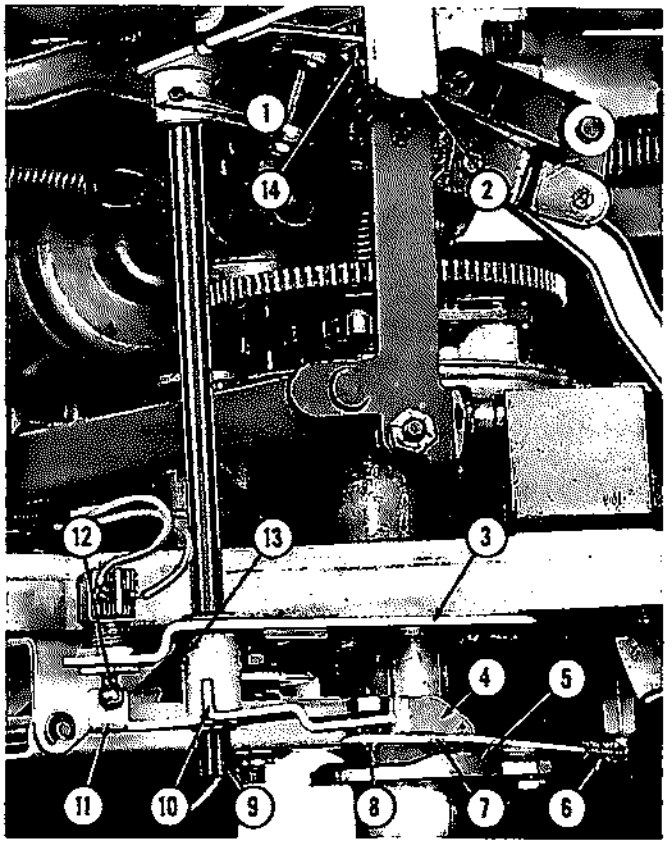


FIG. 32. RECORD LOADING LEVER ADJUSTMENT

1.	Screw, 8-32 Set Screw		73511-29
2.	Release Lever and Hub Assembly		120655
3.	Switch Mounting Bracket	2600	65728
		2610	115775
4.	Stop Lever	2600	68526
		2610	115777
5.	Sleeve and Bushing Assembly, Cancel	2600	68483
		2610	115772
6.	Spring, Release Lever		68782
7.	Link, Release Lever		68567
8.	Pin		68491
9.	Shaft, Selector Crank Release	2600	68558
		2610	115776
10.	Actuator Arm and Hub Assembly		68559
11.	Tab,Switch Operating,Actuator Arm and Hub Assem.		68559
12.	Toggle Switch		119785
13.	Roll Pin		73782-48
14.	Pin, Release Lever Stop		65516

b. RECORD LOADING LEVER

(1) The Record Loading Lever (Fig. 32, Item 2) mounted at the front center of the chassis mounting plate is used to disconnect the changer motor circuit and raise the selector crank arms to a position where they will clear any released selector pin, thereby permitting servicing of the phonograph without cancelling selections which may have been made. Should it be necessary to service the phonograph while a record is in play position, the Record Loading Lever should be moved to the "Load" position, the record playing allowed to trip and return to the record carrier before attempting to turn the record carrier.

(2) The Release Lever (Item 2), held to the

Shaft (Item 9), by the Set Screws (Item 1), should be positioned so that the toggle switch (Item 12) will be actuated in either direction by the Tabs (Items 10 & 11) on the Actuator Arm and Hub Assembly with minimum clearance between the switch lever and actuator tabs.

c. CANCEL ARM ADJUSTMENT

Release any selector pin and allow the mechanism to advance in its cycle until the roller (Fig. 33, Item 2) on the cancel lever is on the peak of the cancel lobe (Item 1) on the main cam as shown. Stop the mechanism at this point by turning off the service switch. The Selector Pin should be reset with 1/64" to 1/32" break between the head of the adjusting screw (Item 5) and the washers under it as shown at Item 4. The Adjusting Screw (Item 5) may be set to provide the correct clearance. After cancellation the cancel lever is returned to its normal position with the Roller (Item 2) held against the cam by the Return Spring (Item 3).

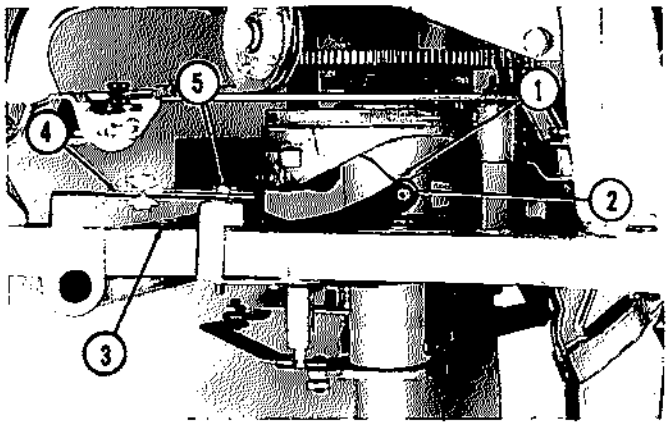


FIG. 33. CANCEL LEVER ADJUSTMENT

1.	Point of Maximum Actuation, Cancel Lobe	
2.	Roller, Cancel Lever, Hub and Roller Assembly	59513
3.	Spring, Cancel Arm Return	65809
4.	Dimension 1/64" to 1/32"	
5.	Screw, 10-32 x 1-3/4", Hex Hd.	73793-125

d. RECORD LIFT ARM RETRACTED ADJUSTMENT

The Record Lift Arms are driven down by a lobe on the Main Cam (Fig. 34, Item 1) driving against the roller on the Roller, Link and Lever Assembly (Item 5). To adjust the lift arm down position, let the mechanism stop in its normal rest position and turn the service switch off. Loosen the Set Screw (Item 4) and the Lock Nut (Item 3). Turn the Adjusting Screw (Item 2) in to lower both arms. They should bear against their respective stops (Fig. 35, Item 4) with sufficient tension to assure bottoming after each cycle. Tighten the Lock Nut (Fig. 34, Item 3) and the Set Screw (Item 4).

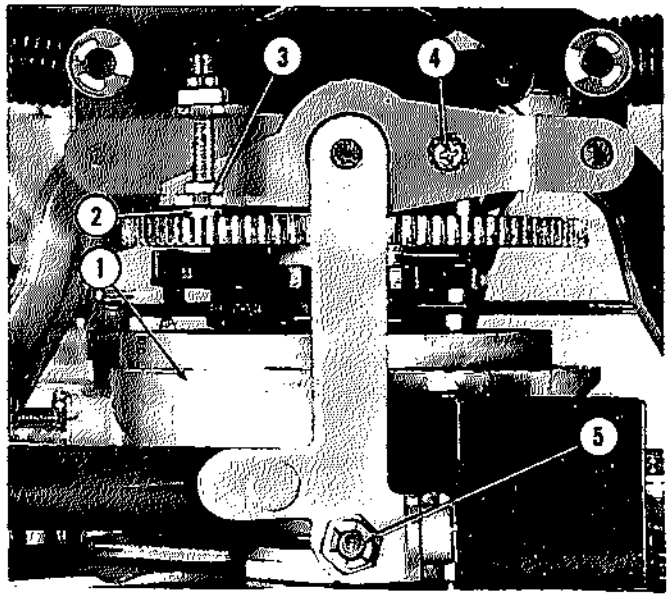


FIG. 34. RECORD LIFT ARM RETRACTED ADJUSTMENT

1.	Main Cam and Bushing Assembly	62792
2.	Screw, 10-32 x 1-1/4" Hex Hd.	73660-161
3.	Nut, Special 10-32	73785
4.	Screw, 8-32 x 1/4", R. H.	73533-34
5.	Roller Shaft, Link and Lever Assembly	59599

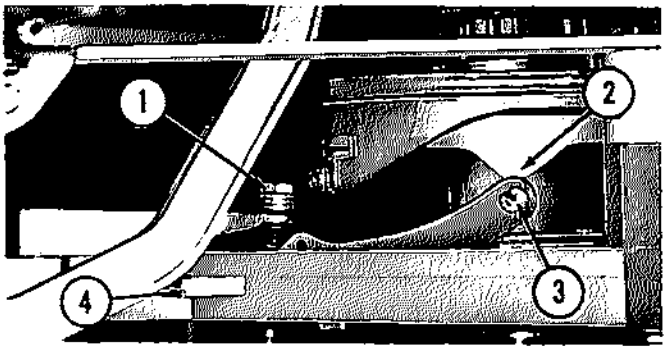


FIG. 35. RECORD LIFT ARM RETRACTED ADJUSTMENT

1.	Screw, 10-32 x 1-3/4", Hex Hd.	73793-125
2.	Cancel Lobe, Main Cam and Bushing Assembly	62792
3.	Cancel Lever, Hub and Roller Assembly	59513
4.	Stop - Lift Arm, Chassis Frame Casting	116023

CAUTION!

Do not over-adjust; avoid excessive strain against the stops.

e. RECORD LIFT ARM BRACKET AND ROLLER ASSEMBLY

The two Bracket and Roller Assemblies, one of which is shown in Figure 36, Item 3, are the basis for the indexing procedure and are located on the chassis mounting plate by means of an assembly fixture, after which they are painted in line. The outline thus formed provides a reference for relocating the bracket should they be moved for any reason.

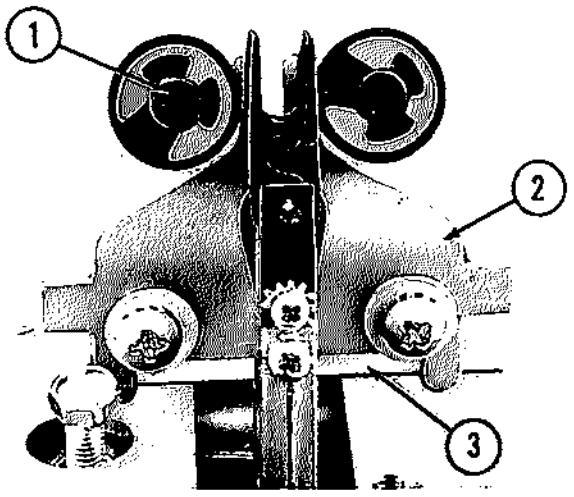


FIG. 36. BRACKET AND ROLLER GUIDE ASSEMBLY, LIFT ARM GUIDE, 2600

1.	Eccentric Stud, Lift Arm Guide	116831
2.	Plate, Lift Arm Guide	65182
3.	Bracket and Roller Assembly, Lift Arm Guide (2)	116837

f. ROLLER GUIDE - RECORD LIFT ARMS - 2600

(1) The Roller Guides for the Record Lift Arm spring loaded guide tips are mounted on the Bracket and Roller Guide Assembly (Fig. 36). When the arms are down the Guide Tips are held straight in line and centered between the Guide Rollers by the adjustable slotted plate (Item 2).

(2) The Eccentric Stud (Item 1) should be adjusted to provide .003" to .006" clearance between the nylon rollers and the guide tips.

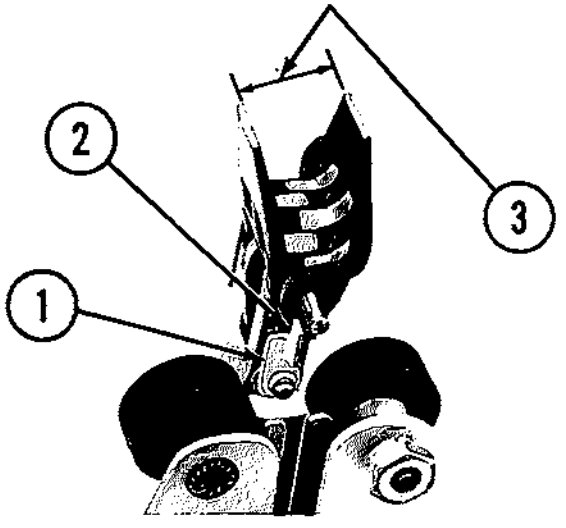


FIG. 37. LIFT ARM GUIDE TIP ADJUSTMENT

1.	Stop, Guide Tip		65526
2.	Tab, Nylon Guide Tip	R. H.	65730
		L. H.	65731
3.	Dimension 7/16"		

g. LIFT ARM GUIDE TIPS ADJUSTMENT - 2600

Advance the changer mechanism in its cycle to the point where the record lift arm spring loaded Guide Tips (Fig. 37) clear the upper edge of the record separators and stop the mechanism by turning off the service switch. The spacing between the Guide Tips should be 7/16" as shown in Figure 37, Item 3. Should it be necessary to increase this dimension the tabs (Item 2) on the Nylon Guide Tips may be scraped or filed. Advance the mechanism to play position and turn the Service Switch off. Lower and raise the Lift Arm manually. Check to see that the Guide Tips leave the Guide Rollers with no bind and stand straight entering the record compartment. Should they run off they may be straightened by adjusting the Stop (Fig. 37, Item 1). Both arms should be checked for correct Guide Tip and Roller Adjustment.

h. ROLLER GUIDES - RECORD LIFT ARMS - 2610

The stationary Guide Roller (Fig. 38, Item 4) is factory set with the aid of an assembly fixture after which it is painted in line, providing a fixed position for the Record Lift Arm. The adjustable Mounting Bracket (Item 3) should be set at the center of its adjusting range and the lift arm checked for smooth running between the Guide Rollers for the full length of travel. The spring tension on the Roller (Item 2) may be varied by moving the Bracket (Item 3). Both Lift Arms should be checked for smooth action.

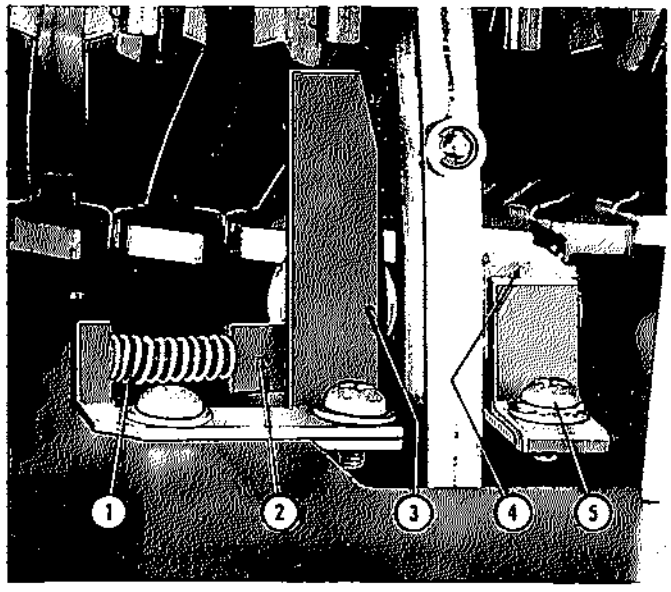


FIG. 38. ROLLER GUIDES, RECORD LIFT ARM, 2610

1.	Spring	60677
2.	Pivot Arm and Roller Assembly	60626
3.	Mounting Bracket and Pin Assembly (Adjustable)	60657
4.	Roller & Bracket Assembly (Stationary)	59704
5.	Mounting Screw, 10-32 x 5/16", R. Hd.	73676-47

i. RECORD LIFT ARM HEIGHT ADJUSTMENT

The record lift arm height adjustment may be made by stopping the mechanism in play position with a normal size record (6-7/8" diameter) clamped on the turntable. Back out the Adjusting Screw (Fig. 39, Item 8) until the record lift arm drags on the edge of the record. Make a scribe mark on the head and turn the screw in two full turns. The clearance between the edge of the record and the end of the lift arm should be 3/64". Both lift arms should be checked.

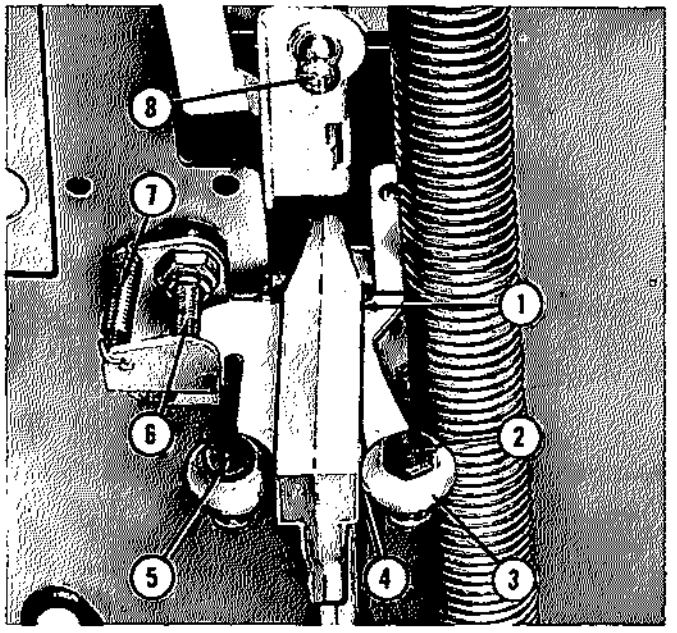


FIG. 39. LIFT ARM ADJUSTMENT - 2600

1.	Ramp, Record Lift Arm	
2.	Eccentric Stud	65986
3.	Roller (2)	65989
4.	Dimension, .005" clearance	
5.	Bracket and Roller Assembly, L. H.	65885
6.	Screw, 10-32 x 1-1/4" Hex Hd.	73660-161
7.	Spring	65958
8.	Screw, 8-32 x 3/4", R. Hd.	73503-91

j. RECORD LIFT ARM CENTERING ADJUSTMENT

(1) The record lift arms on the 200 selection mechanism differ from those on the 100 selection mechanism in that they are free of the guide rollers until the arms are nearly at maximum height, at which time the Ramp (Fig. 39, Item 1) on the lower end of the lift arm contacts the Rollers (Item 3) on the spring loaded bracket mounted on the underside of the chassis mounting plate. The ramp should enter and leave the rollers freely with a minimum clearance of .005" between the Rollers and Ramp as indicated at Item 4. This dimension may be adjusted, while the lift arm is in the raised position, by loosening the screw in the hex head Eccentric Stud (Item 2) and turning the stud for the correct clearance. Tighten the screw and manually lower and raise the lift arm to check for freedom of action.

(2) Install a perfectly flat record in the record carrier and select either side. When in play position the record lift arm should center with the record as shown in Figure 40, Item 1. Should adjustment be required the Screw (Fig. 39, Item 6), which is accessible from the top side of the chassis shelf, may be set to center the lift arm with the record. Both lift arms should be checked for centering.

(3) The 100 selection record changer lift arms are in contact with their guide rollers at all times. The above alignment has been factory set by forming and should need no adjustment.

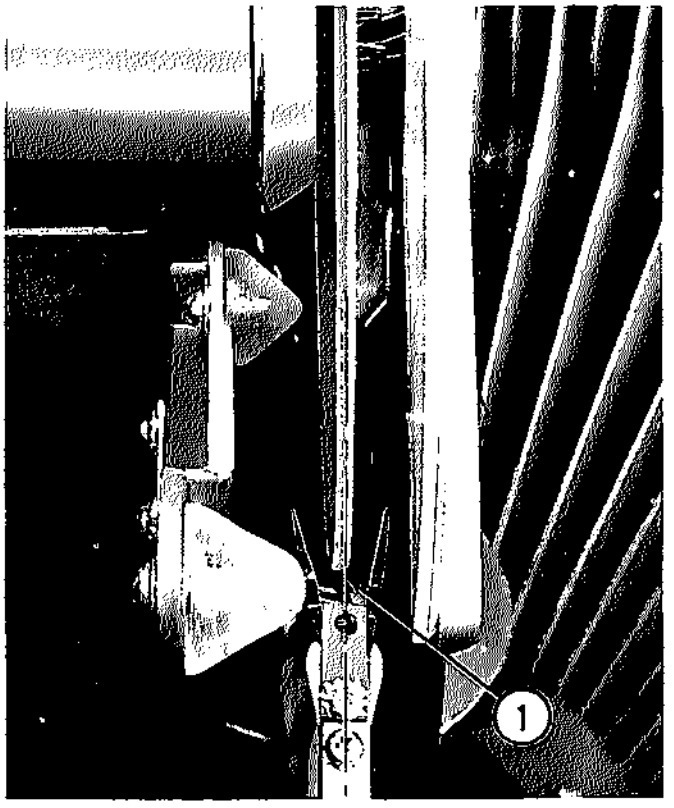


FIG. 40. RECORD LIFT ARM CENTERING

1. Center Line

k. RECORD TRACK STOP BRACKET ADJUSTMENT

The record track stop brackets may be adjusted by stopping the mechanism in play position with a normal size (6-7/8" diameter) record clamped on the turntable. Loosen the Adjusting Screws (Fig. 41, Item 5) and insert a new Dime (Item 3) between the Record Track (Item 2) and the Bracket (Item 4). Slide the bracket up until the record track contacts the edge of the record as shown at Item 1. Tighten the Adjusting Screws. Both stop brackets should be set to provide .0455" clearance. The new dime will measure approximately .044".

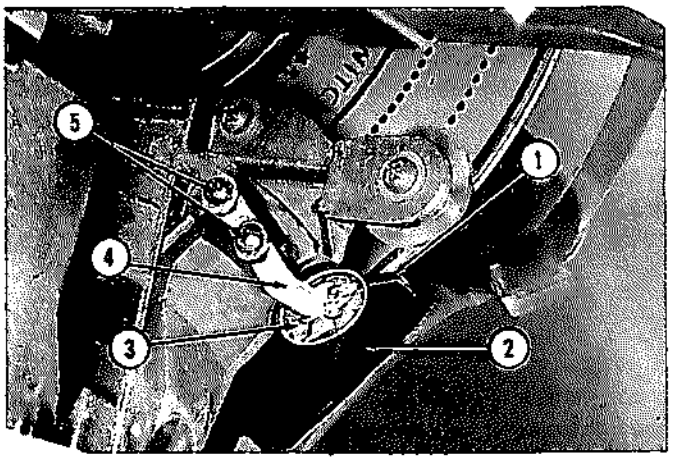


FIG. 41. RECORD TRACK STOP BRACKET ADJUSTMENT

1.	Point of Contact	
2.	Record Track	59425
3.	Dime for Gauge	
4.	Stop Bracket (2)	59434
5.	Screw, 4-40 x 5/16", R. Hd.	73533-3

1. BACK STOP PAWL ADJUSTMENT

The two back stop pawls are located on top of the chassis mounting plate to the right and left of center at the rear. Each of the back stop pawls will be adjusted independently. However, the adjustment procedure will be the same in both cases. The function of the Back Stop Pawls (Fig. 42, Item 3) is to index the correct record compartment, as selected, with one or the other of the two record lift arms. By latching into the teeth of the index wheel they prevent the record carrier from backing up when the changer motor reverses direction. The record lift arms should center with any record compartment, within 1/32" tolerance, as indicated in Figure 43 of the 200 selection record carrier or Figure 45 of the 100 selection record carrier. Should adjustment be required on either back stop pawl, move to the rear of the phonograph and loosen the two Mounting Screws (Fig. 44, Item 2) which hold the back stop pawl to the chassis mounting plate. Note: as viewed from the rear, the right hand back stop pawl should always index record compartments with the right hand record lift arm and the left hand pawl should always index record compartments with the left hand record lift arm. After loosening the mounting screws holding the particular back stop pawl requiring adjustment, manually rotate the record carrier until any record compartment is in accurate alignment with the corresponding record lift arm as shown in Figure 43. Carefully maintain this alignment and set the Back Stop Pawl (Fig. 42, Item 3) against the adjacent tooth on the index wheel and to a depth of 1/32" to 1/16" below the tip of the tooth as shown at Item 1. Tighten the mounting screws and check the alignment of the record lift arm with at least six record compartments spaced evenly around the record carrier. Whenever either record lift arm is centered with any record compartment the opposite lift arm should always center with a record separator which acts as a stop for that arm while the indexed arm delivers a record.

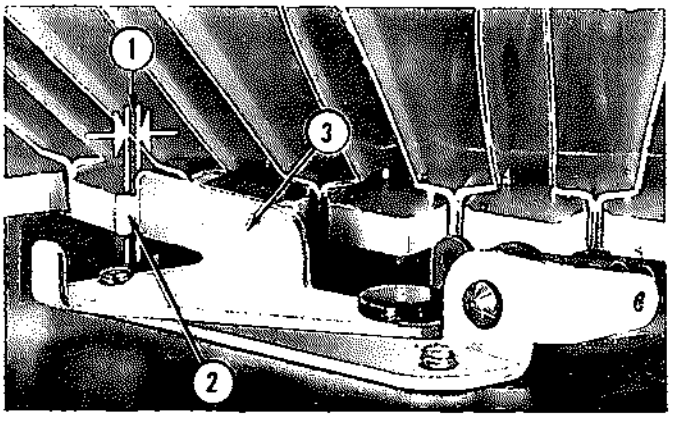


FIG. 42. BACK STOP PAWL ADJUSTMENT

1. Dimension 1/32" to 1/16", Tip of Tooth to Face of Pawl
2. Tip of Tooth
3. Pawl, Back Stop Pawl Assembly (2) 65890

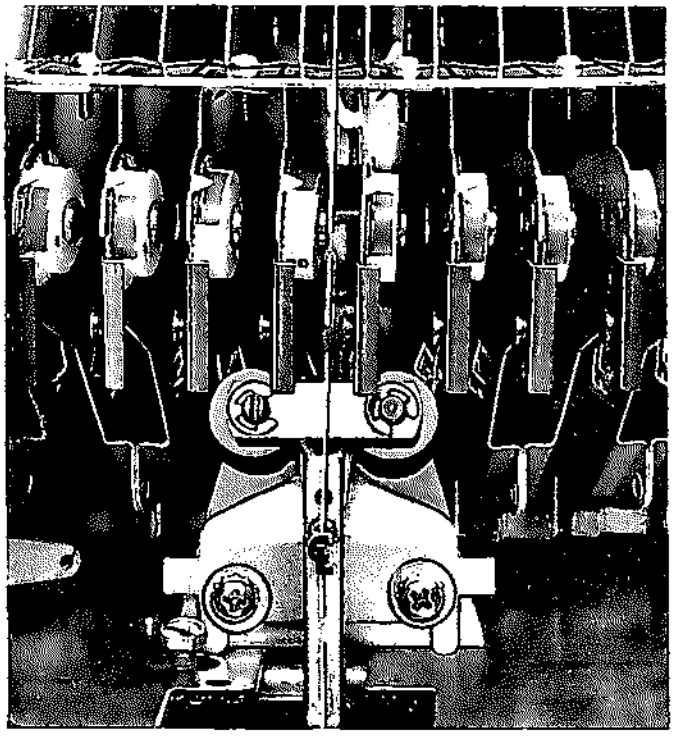


FIG. 43. BACK STOP PAWL ADJUSTMENT

1. Center Line for Adjustment - 2600

m. ACTUATING SCREW ADJUSTMENT, CARRIAGE SWITCH

The Carriage Switch (Fig. 46, Item 2) is actuated by the Screw (Item 3) when the selector crank arm is stopped by any released selector pin. The closing of the carriage switch energizes the changer motor reversing relay in the junction box to reverse the direction of rotation of the motor ar-

mature. This results in the engagement of the driving pawl and movement of the main cam to release the record lift arms. Since the record carrier must be properly indexed before closing the reverse relay the actuating screw (Item 3) must be adjusted for correct timing with respect to back stop pawl engagement.

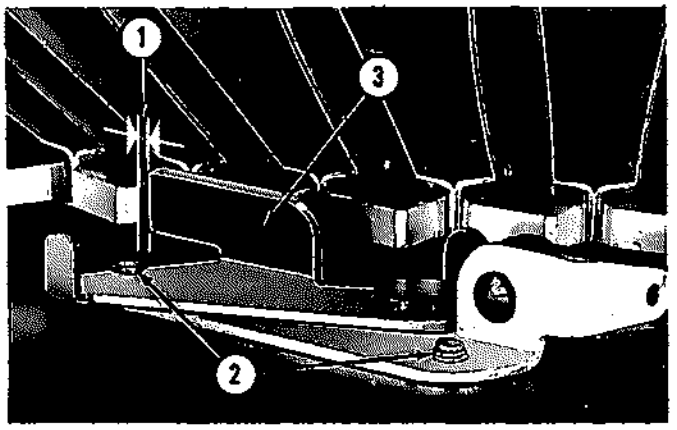


FIG. 44. BACK STOP PAWL ADJUSTMENT

1.	Dimension 1/16" to 3/32" overtravel	
2.	Screw, 10-32 x 5/16", R. Hd.	73676-47
3.	Back Stop Pawl Assembly (2)	65890

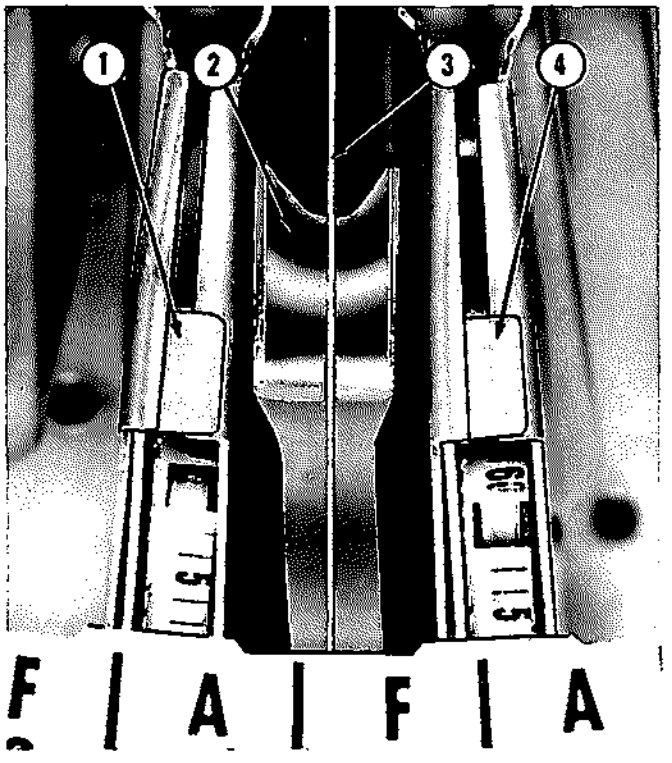


FIG. 45. BACK STOP PAWL ADJUSTMENT - 2610

1.	Record Holder Assembly (50)	59601
2.	Record Lift Arm, L. H.	59634
	R. H.	59633
3.	Center Line for Adjustment	
4.	Record Holder Assembly (50)	59601

To adjust the carriage switch with power on the phonograph, turn the service switch off and release an odd number (inner) selector pin. Pin number H-7 is suggested for making this adjustment on the Model 2600 while pin number D-9 is convenient on the Model 2610. Manually rotate the record carrier until the selector crank arm engages the released pin. Continue by manually turning the changer motor shaft (extending through the rear housing of the motor) clockwise until the Carriage Switch (Fig. 46, Item 2) closes, energizing the reversing relay. As viewed from the rear of the mechanism, the right hand back stop pawl should have engaged the correct tooth on the index wheel, aligning the record selected with the right hand record lift arm. A tolerance of 3/64" maximum overtravel, as shown in Figure 44, Item 1, may be allowed. By adjustment of the Actuating Screw (Fig. 46, Item 3) the time of back stop pawl engagement may be retarded or advanced with respect to the closing of the carriage switch. Check this adjustment at six positions spaced evenly around the selector pin assembly.

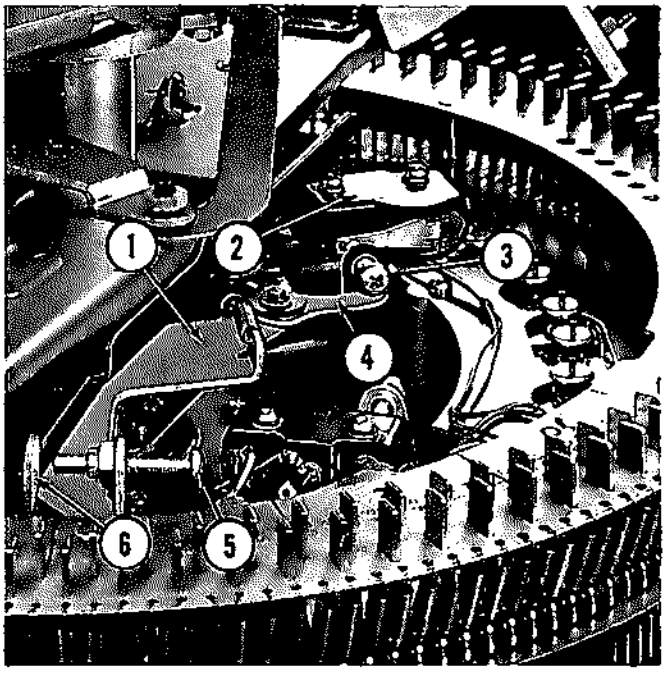


FIG. 46. ACTUATING SCREW ADJUSTMENT, CARRIAGE SWITCH

1.	Selector Shaft Assembly	2600	115669
		2610	115752
2.	Carriage Switch, Micro		110557
3.	Screw, 10-32 x 1", R. Hd.	2600	73502-98
	Screw, 6-32 x 3/4", R. Hd.	2610	73503-72
4.	Switch Lever and Stop Nut Assembly	2600	110937
		2610	115765
5.	Screw, 8-32 x 1-1/4", R. Hd.	2600	73503-95
	Screw, 8-32 x 3/4", R. Hd.	2610	73503-91
6.	Stop Tab, Selector Shaft Assembly	2600	115669
		2610	115752

Check the left hand back stop pawl, as viewed from the rear of the phonograph, by releasing an outer (even number) pin. The timing between back stop pawl engagement and reverse relay operation should be identical with the right hand pawl. If not, do not adjust the carriage switch actuating screw since it was adjusted to time the right hand pawl with the inner pins. The tip and mounting bracket

assembly, which engages the outer pins, may be adjusted by loosening the mounting screws holding it to the selector crank arm. Moving the tip and bracket assembly will time the carriage switch action. This adjustment should be checked in six positions spaced evenly around the selector pin assembly. The maximum overtravel allowed between the back stop pawl and the correct tooth on the index wheel at the instant the carriage switch closes is 3/64".

NOTE: When checking the carriage switch adjustment on the 100 selection mechanism the maximum overtravel between the back stop pawl and the correct tooth on the index wheel at the instant the carriage switch closes may be 1/16" as shown in Figure 44, Item 1.

n. STOP SCREW ADJUSTMENT

The Stop Screw (Fig. 47, Item 2) serves to prevent momentum from driving the record carrier into the wrong selection. Check the stop screw setting by turning the service switch "Off" and releasing an inner (odd number) selector pin. Manually turn the record carrier until the selector crank arm engages the released pin and the reverse relay actuates. Continue by turning the changer motor shaft clockwise until the Stop Screw (Fig. 47, Item 2) bears against the Stop Bracket (Item 1). The overtravel between the right hand (as viewed from the rear of the phonograph) back stop pawl and the correct tooth on the index wheel should be from 1/16" to 3/32" as shown in Figure 44, Item 1.

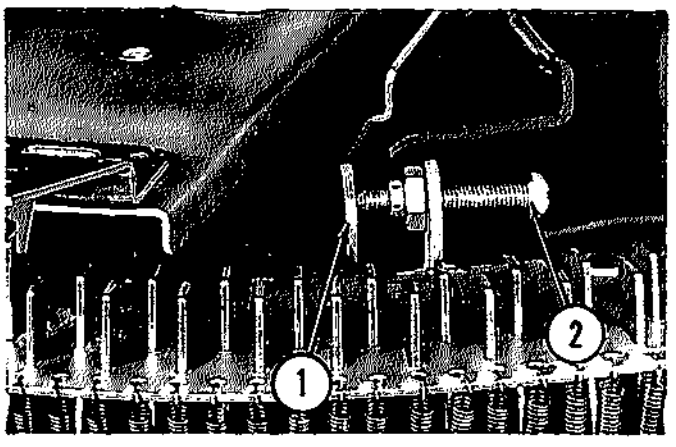


FIG. 47. STOP SCREW ADJUSTMENT

1.	Stop Tab, Selector Shaft Assembly	2600	115669
		2610	115752
2.	Screw, 8-32 x 1-1/4", R. Hd.	2600	73503-95
	Screw, 8-32 x 3/4", R. Hd.	2610	73503-91

o. KICK-OFF SCREW ADJUSTMENT

Adjustment of the Kickoff Screw (Fig. 48, Item 1) may be accomplished with the Adjusting Screw in a convenient position and a tooth on the index wheel held firmly against the left hand back stop pawl, as viewed from the rear of the phonograph. The Tip (Item 3) which contacts the outer selector pins should be on the center line between the outer pin (Item 4) and the next adjacent inner pin (Item 2) as shown in Figure 48. This alignment should be checked in six positions evenly spaced around the selector pin assembly. The alignment of the tip which contacts the inner row of selector pins should be checked while firmly holding a tooth on the index wheel against the right hand back stop pawl, as viewed from the rear. The Tip (Fig. 48, Item 3) should center between adjacent pins as shown. The final test should be that selector pins adjacent to either selector crank arm tip should, when selected, release with no interference from either tip.

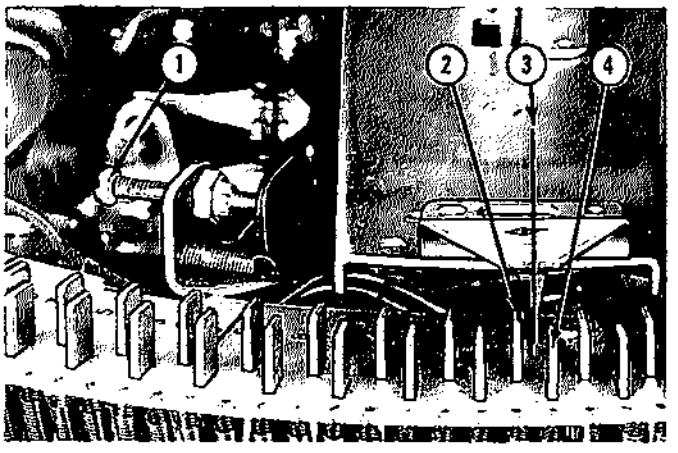


FIG. 48. KICKOFF SCREW ADJUSTMENT

1.	Screw, 8-32 x 1-1/4", R. Hd.	2600	73503-95
	Screw, 8-32 x 3/4", R. Hd.	2610	73503-91
2.	Selector Latch Pin, Inner	2600	110941
		2610	115806
3.	Center Line of Bracket Tip		
4.	Selector Latch Pin, Outer	2600	110942
		2610	115807

p. TRANSFER SWITCH ADJUSTMENT

The Transfer Switch Assembly (Fig. 49, Item 1) mounted at the rear of the changer mechanism is made up of three single pole, double throw contact assemblies. When the mechanism is in its normal rest position the three contact groups should be normally closed in the right hand position as viewed from the rear of the phonograph. The contacts are held closed by the Switch Actuator (Fig. 49, Item 3) and the Over-Center Spring (Item 2). The counterclockwise movement of the Main Cam releases the Switch Actuator (Item 3) and the contacts will then close to the left as viewed from the rear of the phonograph. To adjust the Transfer Switch, release any selector pin and let the mechanism advance in its cycle until the Roller (Fig. 49, Item 5) has passed the Cam Lobe (Item 6). Turn the power off and back out the Adjusting Screw (Item 4) until the insulating stud clears the Switch Actuator (Item 3). Advance the mechanism through its cycle until the Roller (Item 5) is again on the Cam Lobe (Item 6). Stop the

mechanism at this point by turning the power off. Turn the Adjusting Screw (Item 4) until the transfer switch is actuated over-center by the Toggle Spring (Item 2). The Adjusting Screw should be turned two full turns beyond this point for overtravel. Run the mechanism through several cycles to check for **positive switch actuation.**

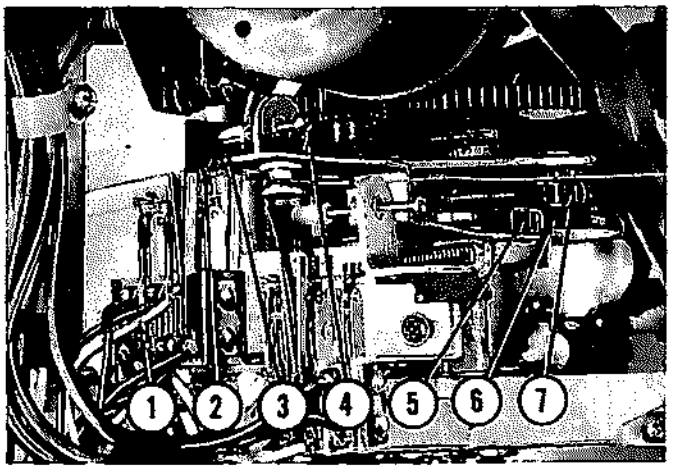


FIG. 49. TRANSFER SWITCH ADJUSTMENT

1.	Transfer Switch and Bracket Assembly	59569
2.	Over-Center Spring	59569-2
3.	Switch Actuator, Transfer Switch Assembly	59569
4.	Screw, 4-40 x 1", R. Hd.	73574-31
	Nylon Actuator	58255
5.	Roller, Actuator Arm Assembly	113299
6.	Long Lobe on Edge of Main Cam	62792
7.	Roller, Lever Assembly, Record Clamp	59688

q. MUTE AND PLAY SWITCH ADJUSTMENT

The Mute and Play Switch (Fig. 50, Item 5) mounted at the rear of the changer mechanism to the right (as viewed from the rear) of the Transfer Switch is made up of three groups of contacts; the left hand group is arranged as a double pole single throw switch used for muting both channels of the amplifier; the center group is a single pole double throw switch which serves to break the power to the changer motor armature when the mechanism reaches play position and to close the dynamic brake circuit across the motor armature. The right hand, single pole single throw switch places a fixed D.C. voltage on the time constant circuit of the automatic level control preventing any build-up in output level during record changing intervals. Figure 51, Item 2, shows the adjustable lobe, on the side of the main cam, which operates the mute and play switch. The Timing Marks (Item 1) should be in alignment. Figure 50, Item 1) shows the Stop Plate which should be adjusted as follows: Release any selector pin and let the mechanism advance in its cycle until the Roller (Fig. 52, Item 3) is at the base of the Adjustable Lobe (Item 1). The Stop Plate (Fig. 50, Item 1) should be set to stop the Actuating Lever (Item 4) with a maximum clearance of 1/64" between the roller and the cam surface as shown in Figure 52, Item 2.

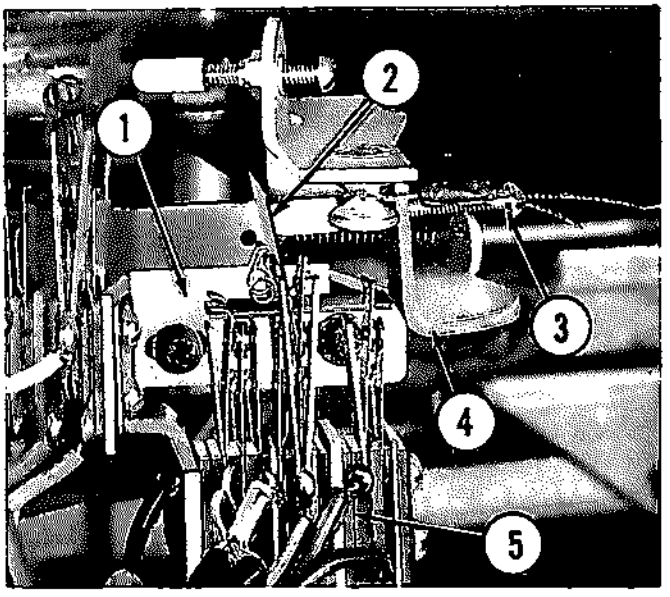


FIG. 50. MUTE AND PLAY SWITCH ADJUSTMENT

1.	Stop Plate	62769
2.	Actuator, Mute and Play Switch Assembly	65170
3.	Screw, 4-40 x 1-1/4", R. Hd.	73574-33
4.	Actuator Arm Assembly	62761
5.	Mute and Play Switch and Bracket Assembly	65170

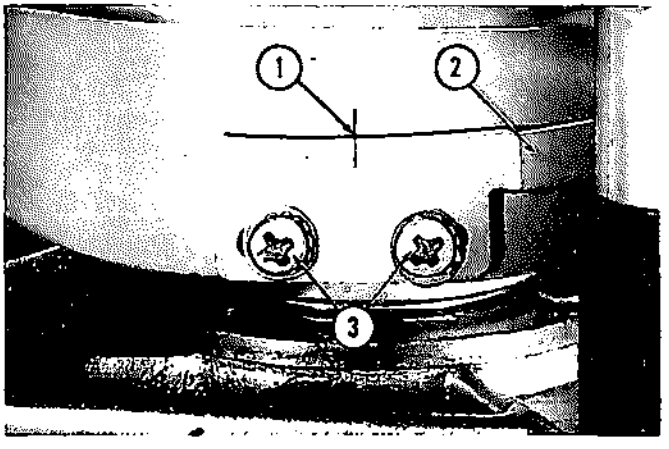


FIG. 51. MUTE AND PLAY SWITCH ADJUSTMENT

1.	Timing Marks, Main Cam and Adjustable Lobe	
2.	Adjustable Lobe	62768
3.	Screw, 5-40 x 3/8", Bind Hd.	73534-14

To check for correct actuation of the Mute and Play Switch, advance the mechanism in its cycle by manually turning the changer motor shaft counter-clockwise until the Roller (Fig. 52, Item 3) has passed over the adjustable lobe (Item 1). The spring-loaded Actuating Lever (Fig. 50, Item 4) should drive the Switch Actuator (Item 2) causing the over-center spring to snap the switch contacts to the normally closed position as shown. The Adjusting Screw (Item 3) should be set to provide 1/16" overtravel of the Switch Actuator (Item 2) after the contacts have closed.

Run the changer mechanism through several selection cycles to check for correct mute and play

switch action. Observe closely for any forward movement of the Turntable Release Cam (Fig. 56, Item 13) at the time the Tone Arm Trip Switch actuates or any return action of the Cam at the time the Mute and Play Switch actuates to stop the mechanism in play position. Either condition existing requires readjustment of the mute and play switch Cam Lobe (Fig. 51, Item 2).

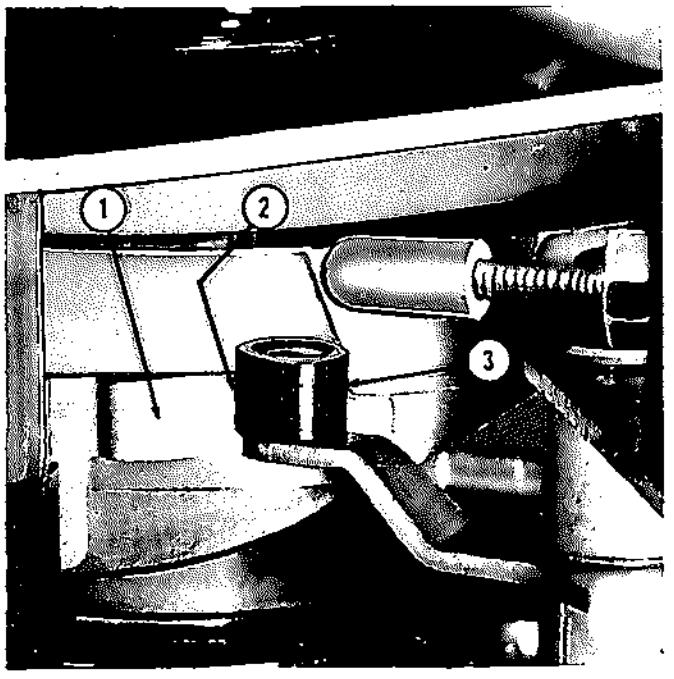


FIG. 52. MUTE AND PLAY SWITCH ADJUSTMENT

1.	Adjustable Lobe	62768
2.	Dimensions, Zero to 1/64" clearance	
3.	Roller, Actuator Arm Assembly	62761

r. OVERRIDE AND CANCEL RELAY

The Override and Cancel Relay, located inside the Amplifier Chassis Pan, is energized when any selector pin is released. The release of a selector pin imparts an upward movement to the Wobble Ring built into the electric selector assembly. The movement of the Wobble Ring actuates one or more of the override switches, completing the circuit to the Override and Cancel Relay. The number 1 and 2 contacts, when closed, prepare a circuit for the changer motor armature after the motor is reversed by the Reversing Relay followed by the actuation of the transfer switch. Contacts 1 and 2 also form part of the dynamic brake circuit when the Play Switch actuates as the mechanism stops in play position. Contacts 4 and 5 close the circuit to the amplifier power transformer and the turntable motor. Release of the Override and Cancel Relay by operation of the remote cancel button opens number 1 and 2 contacts (the dynamic brake circuit) and closes number 2 and 3 contacts thereby grounding the armature circuit and starting the changer mechanism to return to rest position.

The contact pressure should be adjusted to 25 grams minimum as measured at the contact point.

The single-pole double throw contacts must break before make.

The Armature back tension should measure 25 grams minimum.

All contacts should have .015" overtravel.

s. RECORD GUIDE AND SAFETY SWITCH ADJUSTMENT

The Record Guide Assembly (Fig. 53, Item 4) is a pivoted assembly, spring loaded to hold it in alignment with the records as they are delivered to the turntable by the record lift arms. Should a record jam or fail to completely return to the record carrier, the clockwise movement of the record carrier, when searching for the next selection, would cause the record guide assembly to pivot and open the Safety Switch (Fig. 54, Item 1). The Safety Switch, wired in the power supply circuit, turns the power off. This built-in safety feature prevents record breakage.

The Record Guide Assembly is normally adjusted to be parallel to the top support casting as shown in Figure 53, Item 1, by the Screw (Item 2). There may be conditions where the record delivery will be improved by some realignment of the Record Guide Assembly. Should any change be made in the setting of the adjusting screw (Item 2) then the Safety Switch Actuating Screw (Item 3) should be adjusted. This may be accomplished by backing out the Screw (Item 3) until the Safety Switch (Fig. 54, Item 1) opens. Turn the Adjusting Screw in until the Switch closes and continue one full turn to two full turns for overtravel.

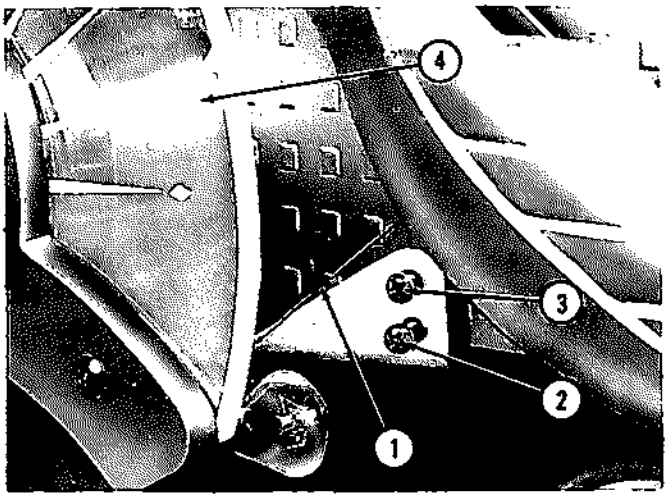


FIG. 53. RECORD GUIDE AND SAFETY SWITCH ADJUSTMENT

1.	Dimension, equal on both sides	
2.	Screw, 6-32 x 1", R. Hd.	73656-74
3.	Screw, 6-32 x 1-3/8", R. Hd.	73800
4.	Record Guide Plate	118332

t. TURNTABLE ADJUSTMENTS

(1) The spacing between the three Bosses (Fig. 55, Items 2, 3 & 4) moulded in the Plastic Guide Plate and the front end of the Turntable Housing (Item 5) must be held to a dimension of 3/16" to 7/32" for trouble-free record clamping action. To check this dimension, (Item 1), it is suggested that a feeler gauge be made from 3/16" plywood cut approximately 3" x 6". The feeler gauge should fit with no more than 1/32" clearance. Should adjustment be required the front and rear castings of the Record Guide Assembly may be formed by manually compressing to the correct dimensions.

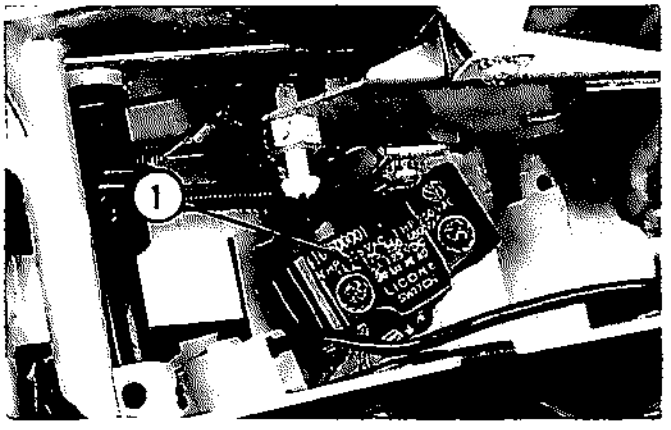


FIG. 54. SAFETY SWITCH

1.	Micro, Safety Switch	110557

(2) The two Rollers (Fig. 56, Items 1 & 9) on the Release Arm Assembly should be centered about the Clamp Shaft Spring (Item 7). They may be centered, if needed, by removing the Turntable Cam Lever Assembly (Item 12) and loosening the Pivot Bracket Mounting Screws (Fig. 57, Item 6). Shift the Bracket (Item 7) to center the rollers and tighten the screws.

(3) The Record Clamp Levers, in the turntable pilot assembly, should be completely retracted when the phonograph is in its normal rest position. The Screw (Fig. 56, Item 10) may be adjusted to retract the clamp levers. Whenever this adjustment is made always check for clearance between the inner surface of the Cam Lever Assembly (Fig. 56, Item 12) and the back end of the Clamp Shaft (Item 6). There should be a minimum of 1/32" clearance with a 33-1/3 R.P.M. record in play position.

(4) The Clamp Plate Assembly (Fig. 56, Item 2) is adjustable to provide the correct travel for the turntable pilot when driven forward by the release arm and also to allow the turntable pilot to completely retract when the mechanism is in its normal rest position. When retracted, the tip of the 33-1/3 pilot may be from 1/16" outside the turntable housing to a maximum of 1/32" inside the housing as shown in Figure 58. To check for correct clamp plate adjustment, select any 45 R.P.M. record and stop the mechanism when the Roller (Fig. 56, Item 14) is on the peak of the Cam Lobe (Item 13) on the Turntable Release Cam. In this position the record should be

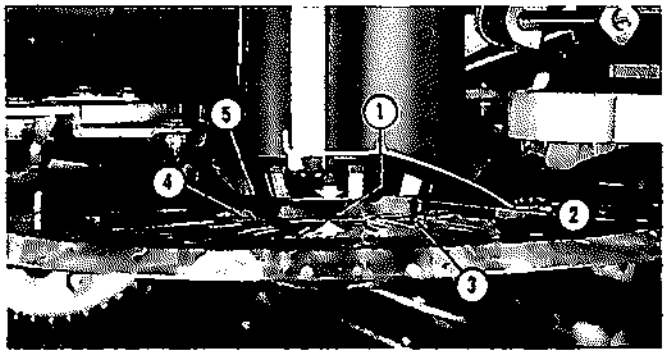


FIG. 55. TURNTABLE ADJUSTMENT

1.	Dimension 3/16" to 7/32"	
2.	Moulded Boss - Guide Plate	118332
3.	Moulded Boss - Guide Plate	118332
4.	Moulded Boss - Guide Plate	118332
5.	Front Edge - Turntable and Shaft Assembly	68102

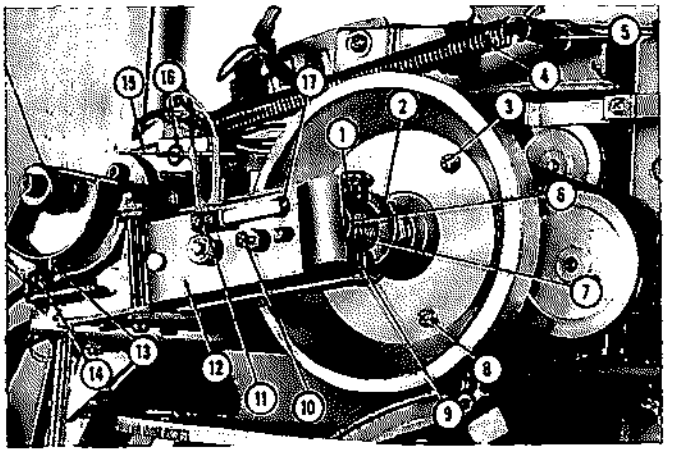


FIG. 56. TURNTABLE ADJUSTMENTS

1.	Roller, Turntable Release Arm Assembly	119441
2.	Clamp Plate, Adjusting Nut	119428
3.	Screw, 8-32 x 1/2", R. Hd.	73533-38
4.	Spring, Turntable Cam	119425
5.	Spring Pin	61111
6.	Back end of Clamp Shaft	119413
7.	Clamp Spring	119423
8.	Screw, 8-32 x 1/2", R. Hd.	73533-38
9.	Roller, Turntable Release Arm Assembly	119441
10.	Screw, 6-32 x 5/8", R. Hd.	73503-71
11.	Switch Assembly	119845
12.	Clamp Cam, Cam Lever and Roller Assembly	119443
13.	Lobe, Cam	119429
14.	Roller, Cam Lever and Roller Assembly	119443
15.	Spring, Support Bracket and Spring Assembly	119793
16.	Solenoid Assembly	119826
17.	Screw, 8-32 x 5/8", R. Hd. Nylon	74288-25

centered on the 45 R.P.M. pilot and held lightly against the Three Bosses (Fig. 55, Items 2, 3 & 4) moulded in the plastic plate on the record guide assembly. The record should be free to turn. Should adjustment be required, loosen the set screw in the Clamp Plate Assembly (Fig. 56, Item 2) and turn the

clamp plate in or out, as required, on the threaded clamp rod. When properly adjusted tighten the set screw. Check the position of the 33-1/3 pilot when the mechanism is in its normal rest position as shown in Figure 58.

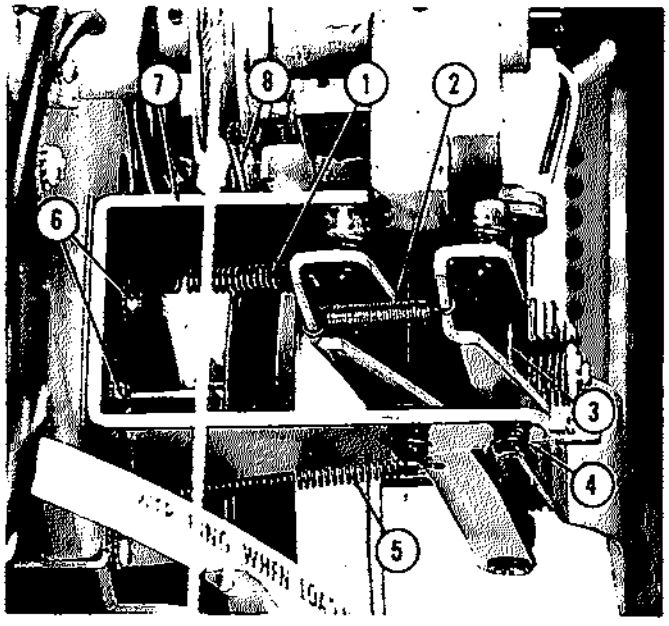


FIG. 57. TURNTABLE ADJUSTMENTS

1.	Spring, Turntable Release Arm	119426
2.	Spring	59710
3.	Shaft	59400
4.	Retaining Ring	73728-25
5.	Spring, Turntable Release Arm	119426
6.	Screw, 8-32 x 5/16", R. Hd.	73533-35
7.	Pivot Bracket	119433
8.	Contact Assembly	119784

u. TURNTABLE MOTOR ADJUSTMENTS

(1) The Turntable Motor Assembly may be removed from the top support casting, if required, by disconnecting the motor plug (Fig. 59, Item 13) and the Gear Shift Solenoid Plug (Item 1). Remove the Contact Assembly (Fig. 56, Item 11) from the Cam Lever. Remove the Spring (Fig. 57, Item 2) and unhook the two Springs (Fig. 57, Items 1 & 5) from the Turntable Release Lever. Remove the Cam Lever by removing the Retaining Ring (Fig. 57, Item 4) and the Shaft (Item 3). Remove the Fly Wheel by removing three Screws, two of which are shown in Figure 56, Items 3 & 8. Remove the Spring (Item 4) and the Spring Anchor Pin (Item 5). Remove the 45 R.P.M. drive belt and slip the 33-1/3 drive belt off the turntable pulley. Remove the three Screws through the motor mounting brackets at the holes shown in Figure 59, Items 11, 12 and 17.

(2) The Motor is mounted on the Plate (Fig. 59, Item 10) by three screws and no alignment is needed when replacing motors.

(3) The Support Bracket should bear against the Motor Housing as shown at Item 9.

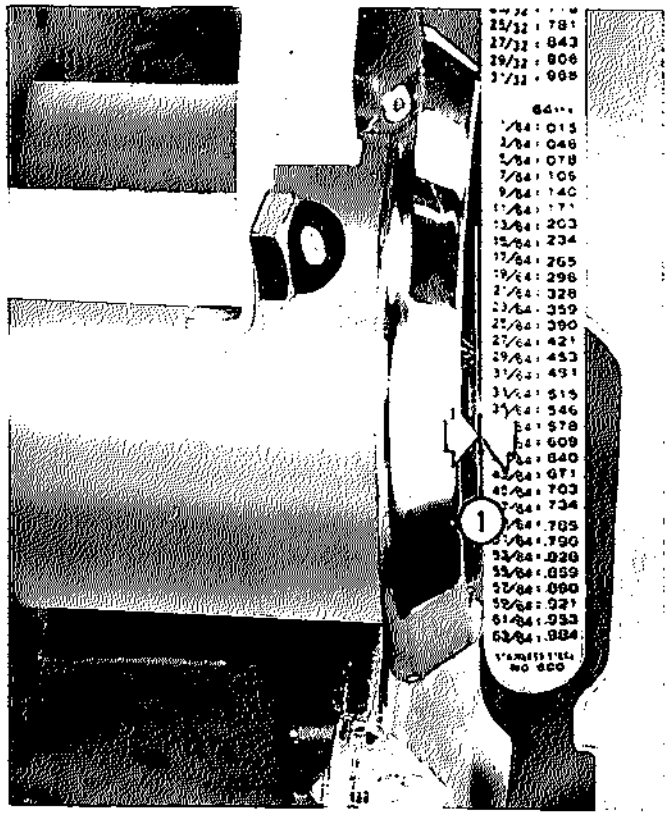


FIG. 58. TURNTABLE ADJUSTMENTS

1. Dimension, 1/32" clearance to 1/16" protrusion

(4) The Thrust Bearing (Fig. 59, Item 16) must be centered with the Worm Gear. The Mounting Bracket (Item 14) may be formed, if necessary, to align the bearing and gear. The Bearing Adjusting Screw (Item 15) should be set to the minimum clearance consistent with a quiet, free-running drive system.

(5) Both Drive Pulleys (Fig. 59, Items 8 & 19), held to their shafts by Allen Set Screws, should have .005" end play. The 45 R.P.M. Pulley (Item 8) must clear the 33-1/3 R.P.M. Pulley (Item 19). A shim washer has been installed between the 45 R.P.M. Pulley and the bearing to provide sufficient clearance and to maintain alignment with the Turntable Pulley.

(6) To adjust the Shift Lever Stop Screws (Fig. 59, Items 3 & 6) insert a thickness gauge, .078" (Item 5) between the stop screw to be adjusted and the Shift Lever (Item 4). While holding the Shift Lever firmly against the gauge and screw, turn the screw to the position where the nylon pinion gear on the Pulley Shaft just clears the Worm Gear as shown at Item 18.

(7) The Shift Lever Spring (Fig. 59, Item 7) should have 50 grams tension as measured while the motor is driving the turntable at the 45 R.P.M. speed.

(8) The Shift Solenoid (Fig. 59, Item 2) is adjustable by loosening its mounting screws. It must

be straight in line with the Plunger (Item 20) to prevent any bind. To adjust the Solenoid, loosen the two Mounting Screws and manually lift the Plunger (Item 20), pulling the Shift Lever against the Upper Stop Screw (Item 3). Maintain this position and move the Solenoid so that the Plunger bottoms, and tighten the screws.

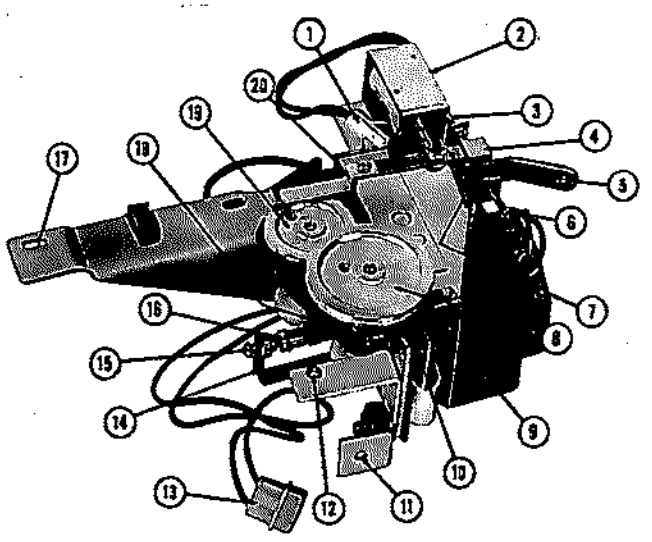


FIG. 59. TURNTABLE MOTOR ADJUSTMENTS

1. Socket, 3 circuit	117824
2. Solenoid	119822
3. Screw, Stop Adjustment, 6-32 x 1", R. Hd.	73503-74
4. Selector Lever and Yoke Assembly	119795
5. Gauge for Adjustment, .078"	
6. Screw, Stop Adjustment, 6-32 x 1", R. Hd.	73503-74
7. Spring	119842
8. Pulley, 45 R.P.M.	119832
9. Point of Contact - Support Bracket	
10. Mounting Plate and Stop Nut Assembly	119788
11. Hole - Mounting Screw	
12. Hole - Mounting Screw	
13. Cap - 3 circuit	117823
14. Bracket and Stop Nut Assembly	121059
15. Screw, 8-32 x 3/4", R. Hd.	73503-91
16. Tip - Adjusting Screw	119779
17. Hole - Mounting Screw	
18. Adjust for Minimum Clearance	
19. Pulley, 33-1/3 R.P.M.	119833
20. Plunger	119822-1

v. INTERLOCK SOLENOID ACTUATING SWITCH

The Switch (Fig. 56, Item 11) which energizes the Interlock Solenoid (Item 16) when a 33-1/3 record clamps on the turntable should be adjusted when the Cam Lever Roller (Fig. 56, Item 14) is on the peak of the Cam Lobe (Item 13) and a 33-1/3 record is on the turntable pilot. Stop the mechanism in this position by turning the line switch off. Adjust the contact blades (Item 11) by forming so that the contacts are closed with 1/32" overtravel of the short blade. The long blade should clear the end of the Nylon Screw (Item 17) by 1/32". The contacts should be normally open a minimum of 1/32" when the phonograph is in rest position.

w. INTERLOCK SOLENOID AND SWITCH ADJUSTMENT

The Interlock Solenoid and Switch Assembly (Fig. 56, Item 16) is designed to actuate when a 33-1/3 R.P.M. record clamps on the turntable. The Plunger latches in the energized position, on the Flat Spring (Item 15) thereby allowing the Contacts (Fig. 57, Item 8) to remain closed. The Gear Shift Solenoid (Fig. 59, Item 2) will remain energized as long as the Contacts (Fig. 57, Item 8) are closed. This prevents changing turntable speed by manipulating the line cord plug or line switch. The Contacts (Fig. 57, Item 8) may be adjusted by forming to provide a normally open gap of 1/32" and 1/32" overtravel when closed.

The Flat Spring (Fig. 56, Item 15) which latches the Interlock Solenoid Plunger should release the plunger with 20 grams pressure as measured at the end of the Flat Spring. The spring may be adjusted by forming. The Solenoid Plunger is normally released by the movement of the Turntable Release Cam as it returns to its normal rest position

x. TONE ARM ADJUSTMENTS

(1) TONE ARM FEED-IN ADJUSTMENT

The Tone Arm Feed-in Adjusting Screw (Fig. 60, Item 1) is set at the factory using fixture number X-49832 (Item 3) and should need no adjustment. However, should adjustment be required it may be accomplished by advancing the record changer in its cycle until a normal sized record (6-7/8" diameter) is clamped on the turntable. Stop the mechanism by turning the service switch off before the Needle Tip (Item 2) contacts the record. Adjust the Feed-in Screw (Item 1) to position the needle to meet the record half way in the feed-in groove. The setting should be 3-5/32" to 3-7/32", as measured from the outside circumference of the 33-1/3 pilot.

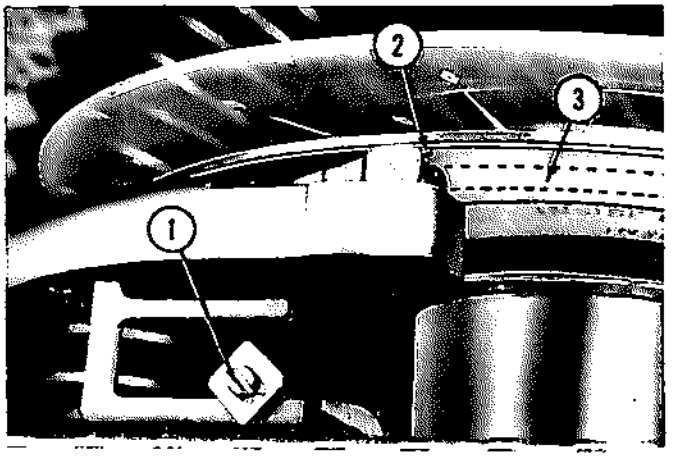


FIG. 60. TONE ARM ADJUSTMENT

1. Stop Pin Assembly	115660
2. Needle, Stereo, Sapphire Tips	116727
3. Fixture	X49832

(2) TONE ARM LATCH RELEASE ADJUSTMENT

The Tone Arm Latch Release Bracket (Fig. 61, Item 6) should be adjusted with a perfectly flat record clamped in playing position on the turntable and the power turned off. The Adjusting Screw (Item 5) should be set to center the Feed-in Adjusting Screw (Item 7) within the U-shaped Latch Release Bracket as shown at Item 3.

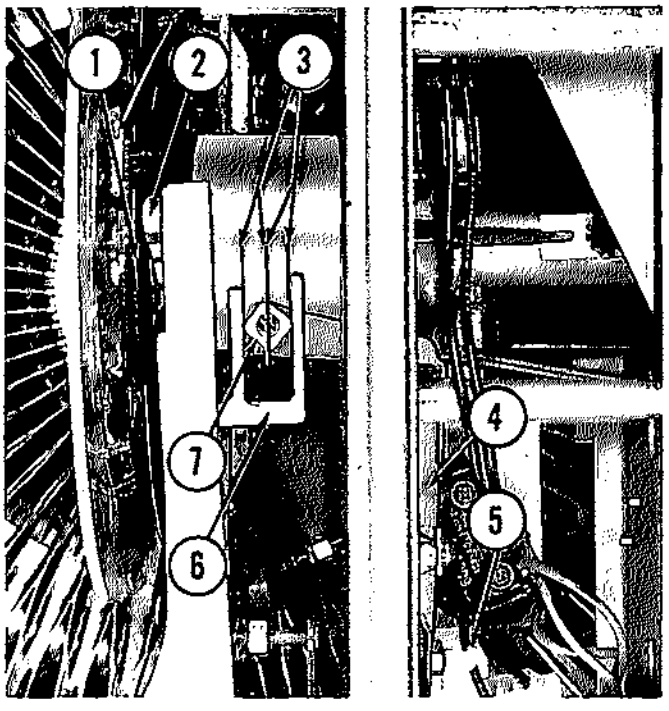


FIG. 61. TONE ARM LATCH RELEASE ADJUSTMENT

1.	Record	
2.	Stereo Cartridge, Sonotone	116725
3.	Dimensions, equal on each side	
4.	Bracket and Stop Nut Assembly	120435
5.	Screw, 8-32 x 3/4", R. Hd. Nylon	74288-26
6.	Latch, Tone Arm	64423
7.	Stop Pin Assembly	115660

Note: Always leave the square collar on the Feed-in Adjusting Screw in the position shown in Figure 60 with either long axis of the collar positioned to span the U shaped latch bracket. This prevents the tone arm from becoming disengaged from the Stop Pin. The flat sides of the collar are designed so that by turning the Stop Pin 1/4 turn the tone arm may be lifted from the Stop Pin to facilitate changing the needle. Whenever the Stop Pin is turned for service, note in which direction it is turned and make sure that it is returned to its original position.

(3) NEEDLE PRESSURE ADJUSTMENT

The needle pressure adjustment may be accomplished by turning the Nylock Stop Nut (Fig. 62, Item 1) to vary the spring tension on the Tone Arm. With a record in play position and the power turned off, use a gram scale, such as Graybar 70-D (Item 3), measuring at the end of the tone arm (Item 2) the pressure needed to just pull the needle off the record. The recommended needle pressure is 5 to 7 grams for the Sonotone Stereo Cartridge.

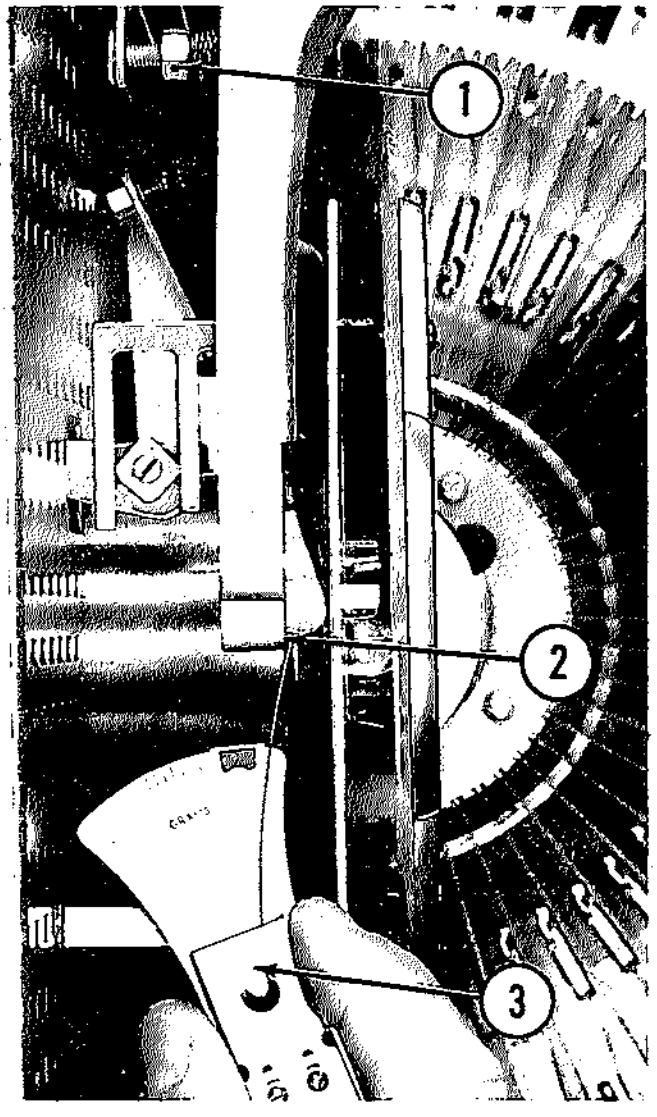


FIG. 62. NEEDLE PRESSURE ADJUSTMENT

1.	Adjusting Nut, 10-32 Nylock	73865-8
2.	Position for Measuring Needle Pressure	
3.	Gram Scale	

(4) TONE ARM BALANCE ADJUSTMENT

The tone arm balance adjustment should be made with the mechanism in play position, no record on the turntable and the service switch off. Tie the tone arm with a piece of thread as shown in Figure 63, Item 5, so that the Latch Release Bracket (Item 2) clears the Feed-in Adjusting Screw (Item 1). Gauge at the pickup end of the tone arm, using a gram scale such as Graybar 70-D, the pressure needed to move the tone arm up or down. The tone arm should move in either direction with a maximum of 1 gram pressure when correctly balanced. The balance weight may be adjusted by turning the Screw (Item 4).

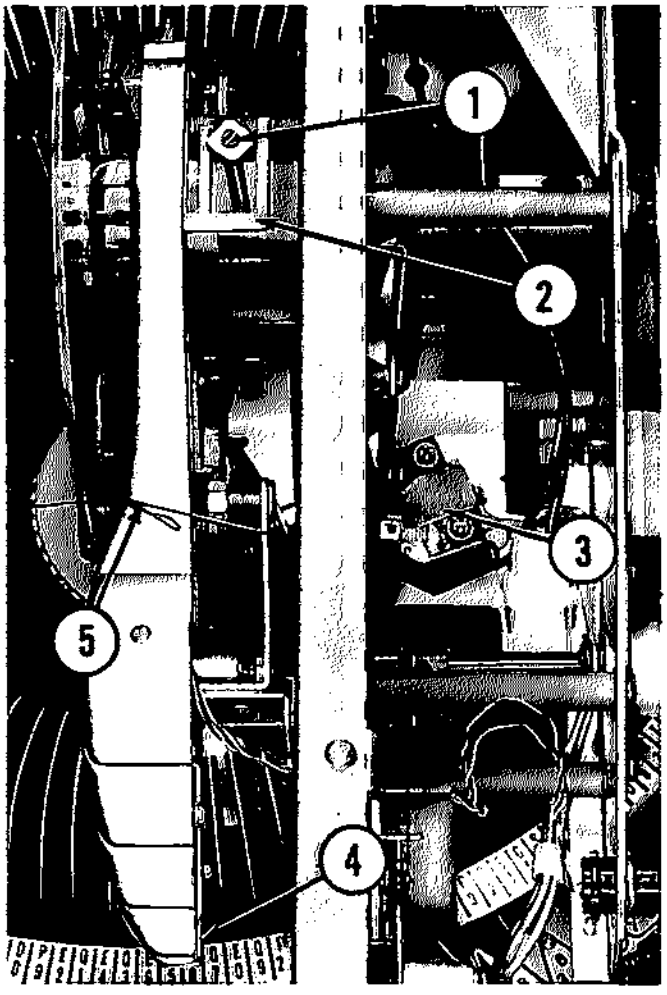


FIG. 63. TONE ARM BALANCE ADJUSTMENT

1.	Stop Pin Assembly	115660
2.	Latch	64423
3.	Safety Switch, Micro	110557
4.	Screw, 10-32 x 2", R. Hd., Balance Adjusting	73575-100
5.	Thread, Tie-down	

y. TRIP SWITCH ADJUSTMENT

The Tone Arm Trip Switch (Fig. 64, Item 1) is adjustable by means of the Screw (Item 5). It is actuated by the Bracket (Item 4) mounted on the Tone Arm. The switch is adjusted at the factory using fixture X49832 which provides a reference point for trip switch actuation 1-59/64" to 1-31/32" from the edge of the small pilot hole in a 33-1/3 R.P.M. record. The dimension as measured from the edge of the pilot hole in a 45 R.P.M. record should be 1-5/16"to 1-23/64".

(1) TRIP SWITCH STOP BRACKET ADJUSTMENT

The Stop Bracket (Fig. 64, Item 2) serves to withhold the trip switch spring pressure from the tone arm and stylus while the record is playing. The Bracket (Item 2) should be adjusted so that as the switch resets to its normally closed position, the Trip Wire (Item 3) will have 1/16" over-travel after switch actuation, as measured at the point of contact with the stop bracket.

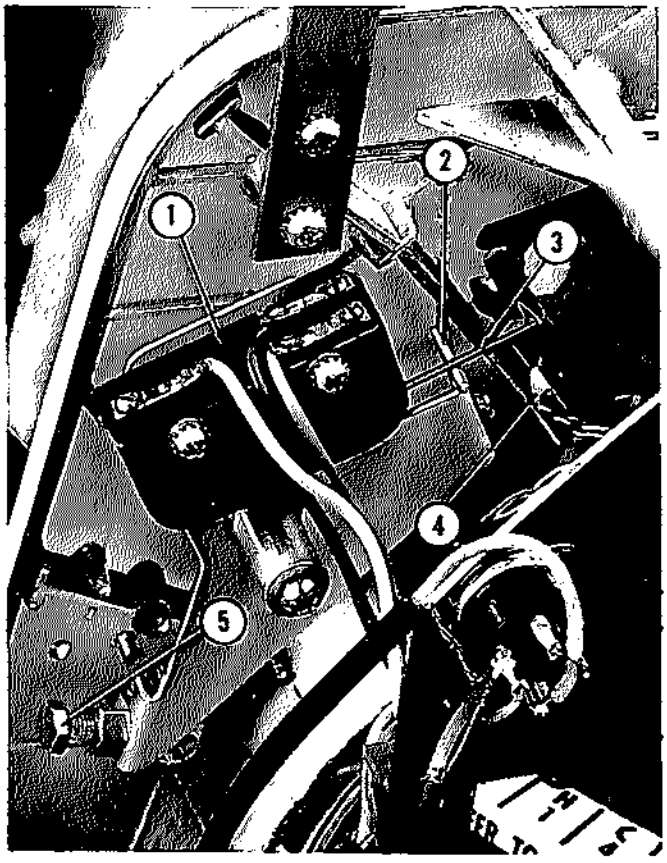


FIG. 64.

1.	Trip Switch, Micro Switch	121229
2.	Adjusting Bracket, Trip Switch	59432
3.	Trip Wire, Micro Switch	121229
4.	Bracket, Tone Arm, Gimbal & Stop Nut Assem.	120451
5.	Adjusting Screw, 8-32 x 3/4" Hex	73793-86

z. NEEDLE BRUSH ADJUSTMENT

The Tone Arm Needle Brush Adjustment should be made with the phonograph in its normal rest position. The Brush (Fig. 65, Item 4) should be 1/4" to 1/2" below the cartridge. The dimension may be varied by loosening the Idler Pulley Mounting Screws (Fig. 66, Item 2) and moving the pulley.

The Needle Brush Arm and Shaft Assembly is spring loaded and is released by the transfer switch Cam Follower (Fig. 67, Item 3). The brush, sweeping across the stylus, removes lint and dust accumulated from the record. The tip of the stylus should project into the brush to a depth of 1/32" as shown in Figure 65, Item 5. The Brush Arm (Item 6) may be formed to provide the correct wiping action.

Note: Adjust the Needle Brush with care to avoid damage to the cartridge or stylus.

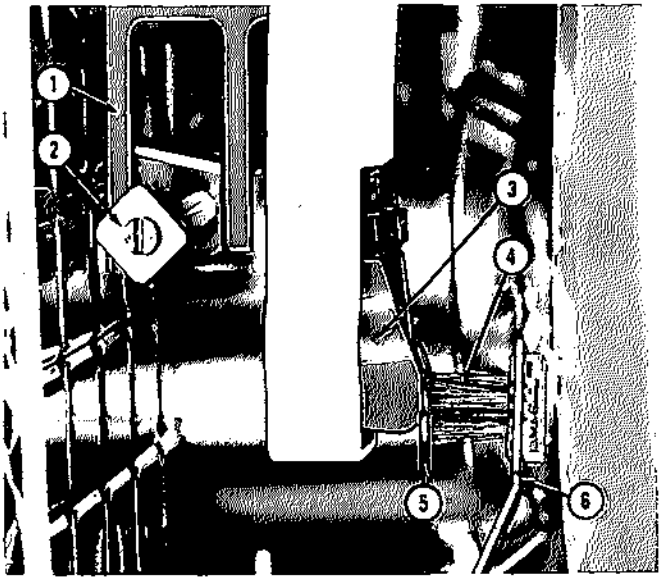


FIG. 65. TONE ARM NEEDLE BRUSH ADJUSTMENT

1.	Latch	64423
2.	Stop Pin Assembly	115660
3.	Stereo Cartridge, Sonotone	116725
4.	Brush	119080
5.	Dimension, 1/32" Maximum	
6.	Arm, Brush	120455

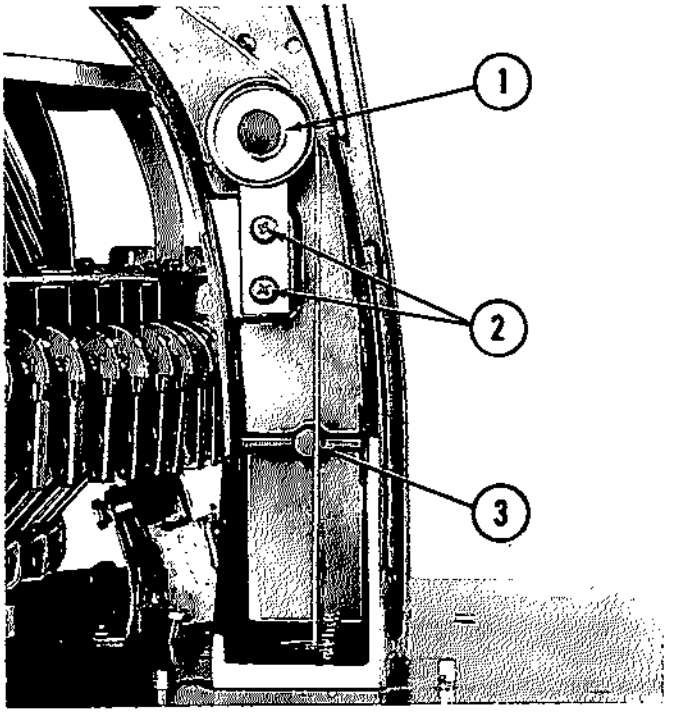


FIG. 66. NEEDLE BRUSH ADJUSTMENT

1.	Pulley and Bracket Assembly	59717
2.	Screw, 8-32 x 5/16", R. Hd.	73533-35
3.	Cable	59888
	Sleeve	59881

aa. ACTUATING ARM AND CABLE ADJUSTMENT

Adjustment of the Tone Arm and Turntable Release Cable (Fig. 67, Item 9) should be made with the changer mechanism in its normal rest position. The Adjusting Screw (Item 4) positions the Slide Pin (Item 5) to which the Release Cable is anchored and should be set so that the Dimension (Item 7) from the edge of the Turntable Release Cam (Item 10) to the side of the Roller (Item 8) on the Cam Lever Assembly is 3/8". Check this adjustment by selecting any record and while in play position, the Nylon Adjusting Screw (Fig. 68, Item 2) should rest approximately centered on the flat portion of the Tone Arm Release Cam as indicated at Item 1.

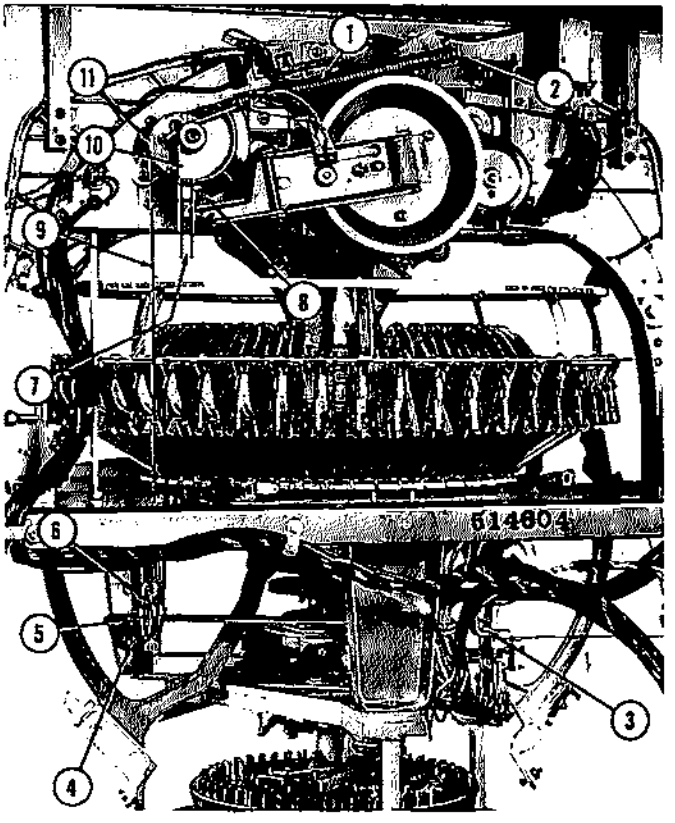


FIG. 67.

1.	Spring, Turntable Cam	119425
2.	Spring Pin	61111
3.	Actuator Arm Assembly, Transfer Switch	113299
4.	Adjusting Screw, 10-32 x 1-3/4" R.H.	73502-99
5.	Bracket and Pin Assembly - Record Clamp Lever	59688
6.	Idler Pulley	59735
7.	Dimension, 3/8", Edge of Cam to Side of Roller	
8.	Roller, Cam Lever and Roller Assembly	119443
9.	Turntable Release Cable	59871
10.	Cam, Record Clamp	119429
11.	Pulley	59415

bb. CHANGER MOTOR PINION GEAR ADJUSTMENT

The Changer Motor Pinion Gear (Fig. 69, Item 2) engagement with the Main Gear (Item 3) is adjustable by loosening the two Mounting Screws (Item 1). The Motor and Mounting Bracket Assembly (Item 4) may be shifted to provide minimum backlash between the pinion gear and the main gear consistent with freedom of action.

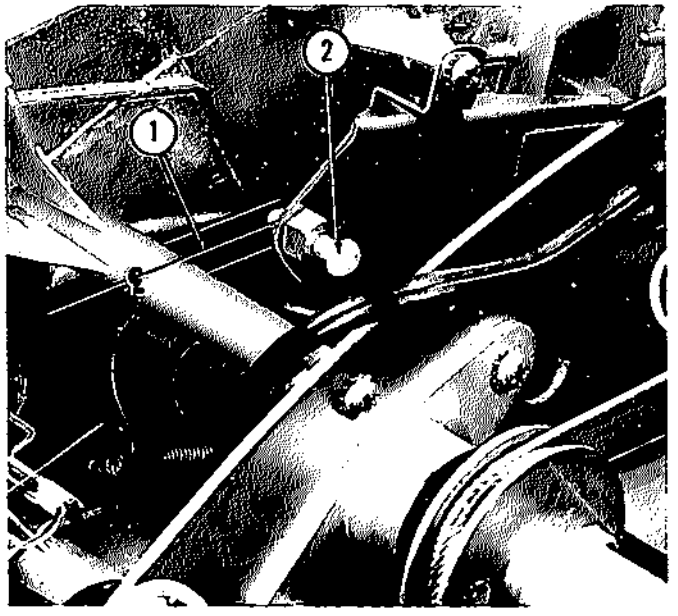


FIG. 68.

1.	Center line of flat, Hub and Lever Assembly	59722
2.	Screw, 8-32 x 3/4" R.H. Nylon	74288-26

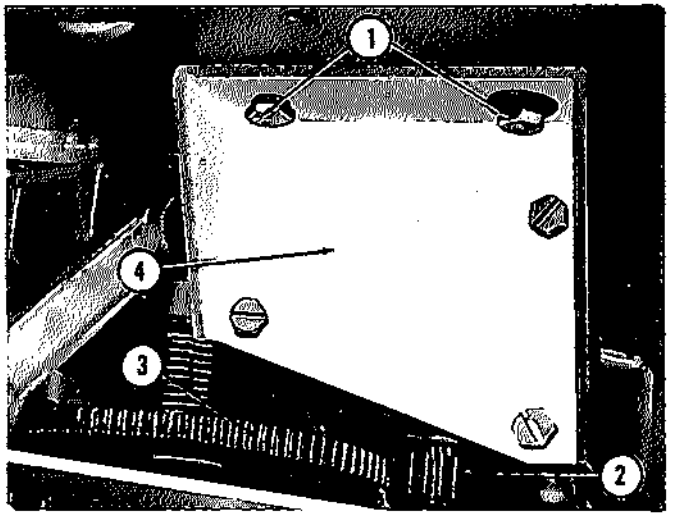


FIG. 69. CHANGER MOTOR PINION GEAR ADJUSTMENT

1.	Screw, 10-32 x 1/2", Hex Hd.	73793-118
2.	Pinion Gear	116997
3.	Gear and Ratchet Wheel Assembly	116986
4.	Motor, Gear and Bracket Assembly	69066

5. MAINTENANCE

a. INSTALLATION OF NEW TURNTABLE ACTUATING CABLE

(1) The replacement Tone Arm and Turntable Actuating Cables have one loop formed at the factory. To install a new cable the defective cable must be removed. This is easily accomplished by cutting the old cable and loosening the Set Screw (Fig. 70, Item 5). The broken cable can then be removed from the Pulley (Item 3).

(2) The new cable (Item 2) should pass through the hole in the Pulley (Item 3) leaving the pre-formed loop (Item 1) to the left as viewed from the rear of the phonograph.

(3) Slide the cable clamp (Item 4) on the right hand end of the cable and form a loop 3/4" long. Secure with the cable clamp (Item 4).

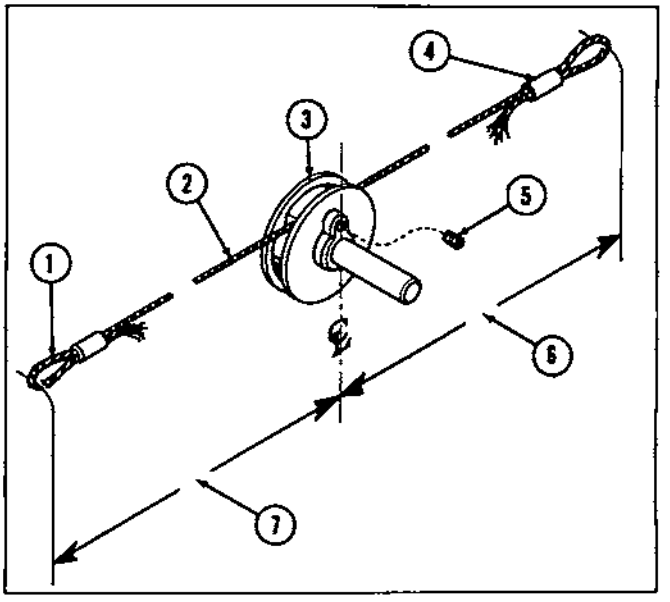


FIG. 70. INSTALLATION OF TURNTABLE CABLE

1.	Pre-formed Loop	
2.	Cable and Sleeve	59871-A
3.	Pulley	59415
4.	Sleeve	59891
5.	Set Screw, 8-32 x 3/16"	73511-29
6.	Dimension, 6-3/16" from center line to inside of loop	
7.	Dimension, 18-7/8" from center line to inside of loop	

(4) Adjust the cable through the pulley to the dimensions shown at Items 6 and 7 and tighten the Set Screw (Item 5).

(5) The left hand end of the cable passes through the chassis mounting plate, around the Idler Pulley (Fig. 67, Item 6) and anchors to the Slide Pin (Item 5).

(6) The right hand end of the Cable will pass once around the Drive Pulley (Item 11) and hook to the Spring (Item 1) which is anchored to the Spring Pin (Item 2). When correctly installed the Turntable Release Lever Roller should be on the forward track of the Turntable Release Cam (Item 10) and the Roller (Item 8) on the Cam Lever Assembly should be on the rear track of the Turntable Release Cam.

(7) Adjust the cable with the Screw (Item 4) as described in paragraph aa of section 4 on page 29. Check the phonograph for correct mechanical operation by playing several selections.

b. SHIM PROCEDURE FOR ASSEMBLY OF TURNTABLE SHAFT

Following installation of the Thrust Bearing Group (Fig. 71, Items 6, 7 & 8) against the turntable, three fiber washers (Items 9, 11 & 13) and two steel shims (Items 10 & 12) should be installed in the order shown. The turntable shaft is then installed through the Sleeve and Bushing Assembly (Item 14) after which the Shim Washers (Items 16, 19 & 21) are installed on the Fly Wheel end of the shaft starting with a fiber washer and ending with a fiber washer, alternating with steel washers until the shaft end play is within .008" to .013". The Flat Washer (Item 18) bears against the shoulder on the shaft. The Pulley (Item 20, Lock Washer (Item 22) and Lock Nut (Item 26) complete the assembly. The bearings should be well lubricated with S.A.E. Number 10 Motor Oil and checked for free running.

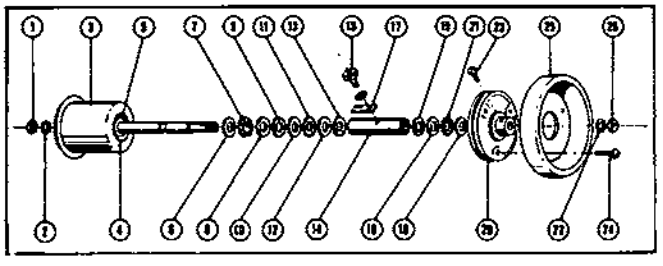


FIG. 71. SHIM PROCEDURE FOR ASSEMBLING TURNTABLE SHAFT

1. Nut, 7/16 - 20	59470
2. Lock Washer	73607-12
3. Turntable and Shaft Assembly	68102
4. Oil Slinger	59571
5. Washer on Shoulder of Shaft	56530
6. Thrust Washer	59864
7. Ball Race	59867
8. Thrust Washer	59864
9. Washer, Fiber	63732
10. Shim, Steel	63731
11. Washer, Fiber	63732
12. Shim, Steel	63731
13. Washer, Fiber	63732
14. Sleeve and Bushing Assembly	64520
15. Screw, Turntable Sleeve	64513
16. Shim, Steel	63731
17. Clamping Plate	64512
18. Washer on Shoulder of Shaft	56530
19. Washer, Fiber	63732
20. Pulley	64190
21. Washer, Fiber	63732
22. Lock Washer	73607-12
23. Screw, Special	59399
24. Screw, 8-32 x 1/2 R.H. (3)	73533-38
25. Fly Wheel	59456
26. Nut, 7/16 - 20	59470

c. LUBRICATION

The lubrication of the mechanism should be checked occasionally and, if needed, added in accordance with the following instructions: a good grade S.A.E. No. 10 Motor Oil should be used to lubricate the fulcrum points of all levers and light linkage, the turntable and changer motor bearings, the turntable sleeve bearing, the turntable driver gear bearings the main cam bearing, the cancel sleeve, the lift arm guide rollers, the annular bearings under the Record Carrier, the cancel lever bearings and the selector crank arm bearings. A 1/2" hole will be found in the record carrier casting 1-1/4" off center. Turn the record carrier until the 1/2" hole is directly in front at which point it will align with a hole in the chassis mounting plate. Number 10 oil through the two holes will be absorbed by a felt pad providing lubrication for the record lift arm bearings. The record lift arm link and lever assembly and the bearings of the Record Loading Lever should also be lubricated with Number 10 Motor Oil.

Houghton Absorbed Oil, Type L-3, Part Number 21934-A, should be used at points where a non-fluid type lubrication is required such as: the main cam working surfaces, cam tracks of the turntable release cam, the tone arm release cam and all cam followers (rollers), all gears and pinions and spring anchor points.

The reduction gears of the changer motor assembly are packed with a non-fluid lubricant (Alvania No. 1), part number 55206-A, therefore should require no further lubrication. The center bearing of the changer motor requires number 10 motor oil occasionally and is accessible by removing the motor from the chassis mounting plate.

Note: Do not oil the Back Stop Pawls. They should remain dry for trouble-free operation.

d. NEEDLE REPLACEMENT

Refer to Figure 65, Item 2, which shows the Tone Arm Stop Pin Assembly. The collar has been redesigned so that by turning the stop pin one quarter turn in either direction the Tone Arm Latch (Item 1) will pass the collar and allow the Tone Arm to clear the Record Guide Assembly. This provides free access to the cartridge and needle for easy replacement. When handling the Tone Arm while free from the Stop Pin use caution to prevent releasing the Tone Arm Pressure Spring from its socket in the back side of the Tone Arm Casting. After servicing, replace the Tone Arm Latch Bracket on the Stop Pin and turn the Stop Pin one quarter turn in the opposite direction from which it was originally turned to unlatch. This restores the Tone Arm to its correct feed-in position.

e. CABINET LIGHTING

The upper interior of the Model 2600 Phonograph is lighted by one 25 watt 30" fluorescent lamp with a light diffuser between the lamp and display canopy. The Lamp, Part Number 110965 and Starting Switch, Part Number 57365 are fully accessible for service when the front door is raised.

The Grille is lighted by one 25 watt 30" fluorescent lamp which is accessible by removing the left hand cheek casting and removing the Front Plate and Casting Assembly. The left hand cheek casting is mounted by one thumb screw accessible when the front door is open and the program holder has been removed. By loosening the thumb screw the cheek casting may be pulled forward and removed. When the cheek casting has been removed the Front Plate and Casting Assembly may be pulled out to the left and completely removed. This provides easy access to the Selector Switch connecting links and the fluorescent lamp when necessary.

6. TOP TUNES SELECTOR

The Model 2600 or 2610 may be purchased, factory equipped, with the Top Tunes Selector, if so desired. Phonographs received with this feature installed, require no special preparation other than the installation of the transparent yellow covers, packed in the cash bag, which indicate the tunes selected by the Top Tunes Selector.

The title strip Retainer Plate may be removed by releasing the two spring clips which latch the Backing Plate and Pad Assembly to the Light Diffuser in the Canopy. The Backing Plate and Pad Assembly, when unlatched, swings down, hanging by the pivots at the upper corners. This provides access to the title Retainer Plate, which is held in position by a spring latch and stud at each end. This may be removed by pulling the studs and plate from the mounting brackets.

The blue musical note indicating Wurlitzer Stereophonic Music, installed in the right hand end of the Canopy Display Window, may be removed and replaced with an album cover or the photograph of a featured artist if so desired.

The ten Covers, Part Number 119812, packed in the cash bag, should be inserted in the program holders so that the yellow portions of the covers lay in front of the titles of the ten tunes selected by the Top Tunes Selector, i.e., A1-K1.

The upper Display Card may be reversed and pressure sensitive letters, furnished with each phonograph, applied to form the location name thereby adding a personal touch to the phonograph and promoting play appeal.

The Top Tunes Selector will operate after a fifty cent coin has been deposited and the "Special" Window is lighted. Depressing the Top Tunes Button will cause the Top Tunes Selector to operate through one cycle selecting the 10 number one tunes, A-1 through K-1 and cancelling the credits registered by the half dollar on the coin register mechanism. The customer may choose to select tunes other than those on the Top Tunes Selector, in which case, after depositing a half dollar and selecting one tune, the "Special" Window light will go out, indicating that the Top Tunes Selector is inoperative. The customer can then select only the normal number of tunes for the half dollar, foregoing the bargain Top Tunes program.

Refer to Page 47 for the wiring diagram number 119362 as used with the Model 2600, or Page 48 for the wiring diagram 119476 as used with the Model 2610 for aid in servicing this unit.

7. SOUND SYSTEM

The 2600 series phonograph sound system consists of the Model 543 dual channel amplifier with self-contained power supply, a low inertia tone arm with the Sonotone Stereo Cartridge and dual tip sapphire stylus, one 12" heavy duty speaker, one 12" mid-range speaker and one 3-1/2" tweeter speaker with cross-over network. By removing the muting

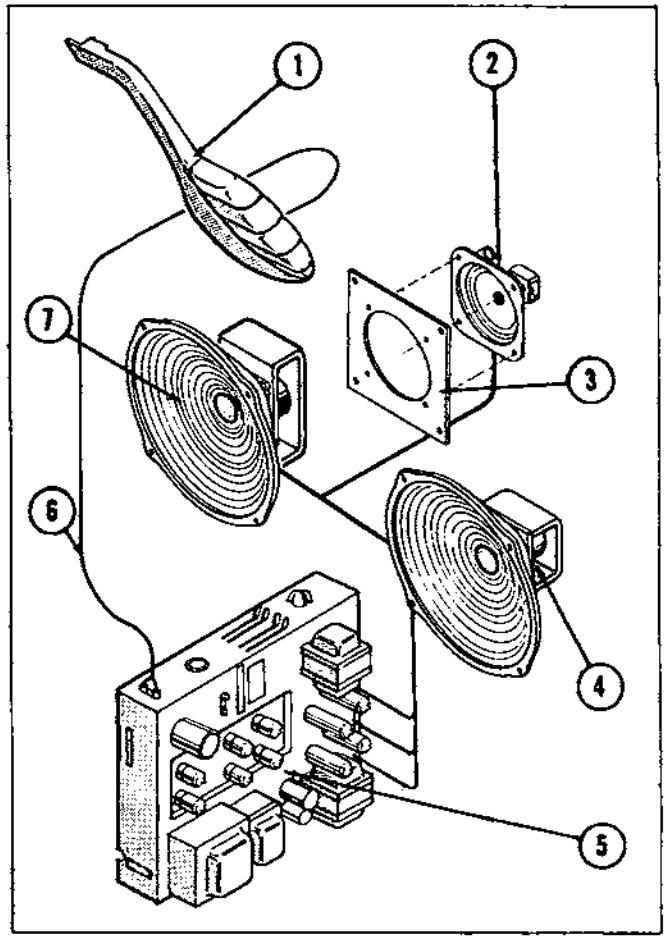


FIG. 72. STEREO/MONOPHONIC SOUND SYSTEM

1.	Tone Arm and Wire Assembly	120448
2.	Speaker, 3-1/2" P.M.	120770
3.	Mounting Plate, 3-1/2" Speaker	120577
4.	Speaker, 12", P.M.	65192
5.	Amplifier, Model 543, Less Tubes	120528
6.	Input Cable Assembly (2)	110190
7.	Speaker, 12", P.M.	119743

plug and releasing the latch lever at the rear of the amplifier chassis the amplifier will slide back on its mounting far enough to expose the complete printed board and all socket connections while still connected and operating.

The Model 543 Amplifier is designed to operate as a stereo sound system or monophonic system by means of a slide switch mounted on the chassis. Phono jacks are provided for connecting an auxiliary amplifier when required. Each channel has independent tone controls. A single balance control is located at the rear of the top edge of the amplifier pan. The output of both channels is automatically held to the preset level of the loudness control by tube V4 and the associated components of the time constant circuit.

The Dual Loudness Control is mounted on the rear edge of the amplifier pan accessible through the opening in the left hand end of the lower back door as is the main line switch and the manual reject switch. Also mounted on the rear edge of the amplifier pan but only accessible when the lower back door is removed is the 15A line fuse and a service outlet with a maximum rating of 4 amperes.

Remote speaker terminal boards are provided for each channel, to which may be connected 4, 8, 16, and 500 ohm or C.V. speakers.

The amplifier should be operated with a load on both channels at all times. Remote Loudness and Cancel Control is available by the use of Kit 169, part number 121007, a motor driven control system which eliminates the use ofexpensive shielded cables.

The types and functions of the amplifier tubes are listed in the following table:

TYPE	PART NO.	FUNCTION
12AX7 A (2)	58427 or	Voltage Amplifier
7025 (2)	114046	
12AU7A (2)	58420	Variable Resistance, Voltage Amplifier
7199 (2)	115555	Voltage Amplifier, Phase Inverter
6973 (4)	114048	Power Amplifier

THEORY OF OPERATION, 543 Amplifier

The Model 543 Amplifier is designed for use in either Stereophonic or Monophonic reproduction by means of a slide switch mounted on the Chassis Pan in the top forward section, directly above the input tube. It is normally set in the stereophonic position when leaving the factory.

The audio signal from each source of the Stereo Cartridge is fed directly to its respective grid of the 7025 or 12AX7A input tube, V1. A portion of the signal is taken from channels A and B and fed through the capacitors C-6 to the voltage amplifier section of the level control tube, 12AX7A, V4. The second section of V4 rectifies the audio signal resulting in a varying D.C. voltage which is applied to the time constant circuit composed of C-14, R-32 and C-15. This D.C. voltage is applied to the grids of the variable resistance sections of both 12AU7A tubes, V2 and V5. The variable resistance sections of V2 and V5 are arranged so that an increase in the D.C. voltage from V4 will cause a decrease in output signal of both sections of V1. In the reverse condition when the D.C. voltage from V4 is decreased, the output signal from V1 will increase.

The second section of each 12AU7A, V2 and V5 amplifies the audio signal before passing through the loudness controls which are in tandem, operated by a single shaft on the rear of the chassis pan.

Independent tone compensation is provided, after the signal has passed the loudness control, by the Bass and Treble lever type switches on the top edge of the Chassis Pan.

The Balance Control mounted on the top edge of the Chassis Pan is connected between the input grids of the two 7199 Voltage Amplifier sections and serves to equalize the sound level between channel A and B. It should be adjusted, after auxiliary speakers have been connected, while listening to a monaural record. Good stereo reproduction requires that the channels be balanced.

The 7199 phase inverter sections drive the 6973 tubes in the two push-pull power output stages. A negative feed-back circuit is employed for maximum output with minimum distortion under varying speaker loads.

During record changing intervals the amplifier is muted by the Mute and Play Switch mounted at the rear of the Changer Mechanism. The connections are made through the 6 prong socket on the top edge of the Amplifier Chassis Pan through Pins number 1, 5 and 6. Pins number 2 and 4 provide connections from the squelch switch, part of the Mute and Play Switch Assembly, to place a pre-set control voltage on the automatic level control circuit during record changing intervals, preventing audio level build-up at the start of the next record.

The Silicon Diode, SR-5, shown on the Wiring Diagram, Part No. 120729, near the 6 prong muting socket, provides a pre-set control voltage during periods of silence between selections on extended play records which permits the second selection to start at the level of the first selection.

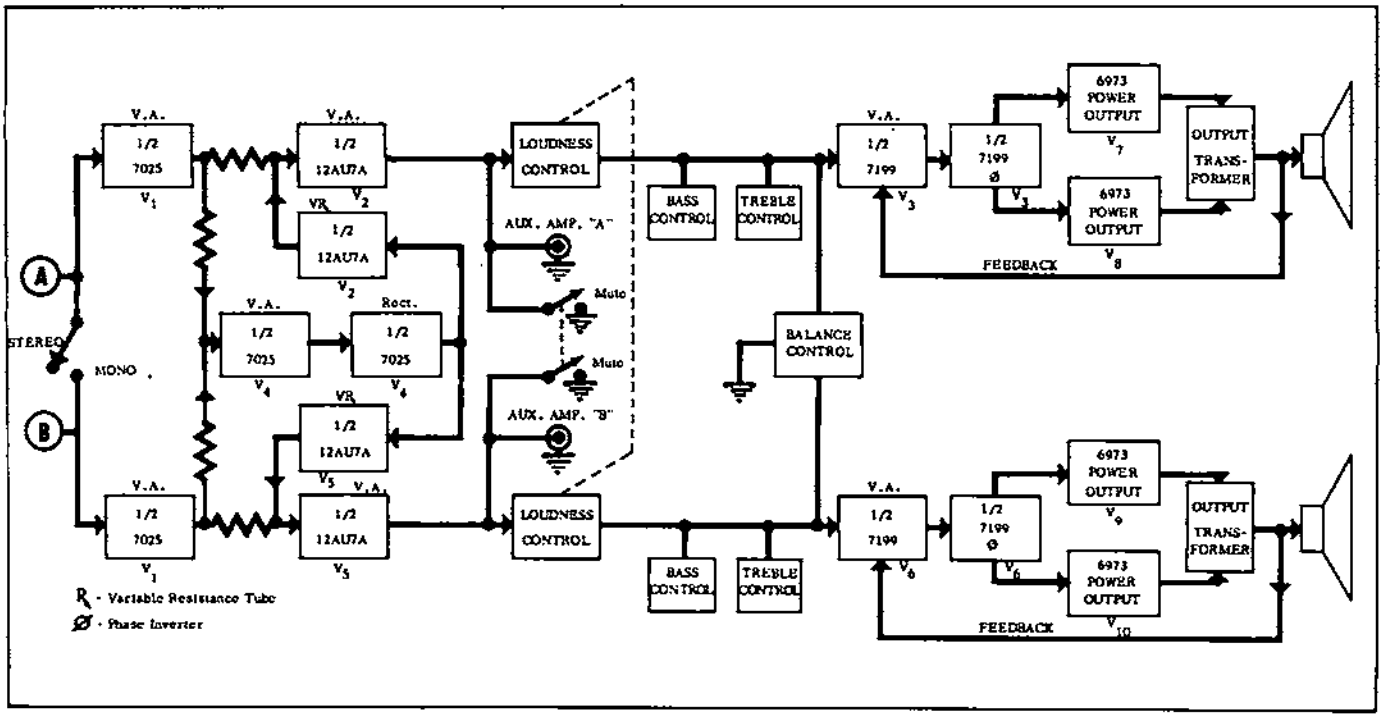


FIG. 73. MODEL 543 AMPLIFIER BLOCK DIAGRAM FOR SIGNAL TRACING

The power supply for the phonograph as well as the sound system is an integral part of the Model 543 Amplifier. Two transformers are used as shown in the Wiring Diagram, Part No. 120729. Transformer T-3 is energized when the phonograph is on standby. Power for the D.C. changer motor, the D.C. components of the selection circuits and the 24 volt A.C. components is supplied by this transformer. It also furnishes a portion of the heater voltage for the amplifier tubes, keeping all tubes on the reduced standby voltage of 4.5 volts.

Transformer T-2 is energized when a selection is made, through the closing of the override switch which in turn energizes the override and cancel relay mounted in the amplifier chassis pan. The silicon diodes SR-1 and SR-2 are used in a voltage doubler circuit to furnish approximately 385 volts D.C. for the amplifier. T-2 also furnishes 1.6 volts A.C. which by proper phasing adds to the 4.5 volts (standby heater voltage) from T-3 to quickly bring the tubes to playing condition as soon as the record reaches play position. Use of the 4.5 volt standby heater voltage greatly prolongs tube life.

Provisions have been made for remote control by installation of Kit 169, Part No. 121007, a motor driven loudness control using unshielded 3-wire cable. A remote cancel button is included requiring two additional conductors. Directions for installing are included with the kit.

A terminal board is provided at the output of the amplifier to which both phonograph speaker lines are connected. Each channel has four output terminals labeled A, B, C and D. In addition one terminal labeled G is the common ground for both. The phonograph speakers are normally connected at the factory to terminals A on each channel and the common ground G. When installing 4, 8 or 16 ohm remote auxiliary speakers it may be desirable to reduce the phonograph output while maintaining a relatively high output at the remote speakers. To do this it is only necessary to move the phonograph speaker leads from the A terminals to B, C or D, whichever provides the desired level. 500 ohm or C.V. speakers may be connected to the Model 543 Amplifier at the terminals labeled A - C.V. - G and B - C.V. - G. Note: The installation of line matching transformers (Kit 159, Part Number 117086) is recommended for installations requiring long runs of wire or when auxiliary speakers may be operated at various sound levels. The phonograph speaker level may be reduced by moving the line connections from A to either B, C or D as needed. All speakers should be in phase for best results.

The Model 235 Auxiliary Amplifier and Remote Loudness Control, Part Number 115575, is a dual channel amplifier available for those locations requiring greater sound power than that provided by the Model 543 Amplifier or where special speaker control problems arise. The Amplifier may be used as either stereophonic or monophonic as described in the installation instructions.

8. REMOTE CONTROL EQUIPMENT

a. The Model 5250 Wall Box is designed to operate in conjunction with the Model 2600 200

Selection Phonograph when equipped with a Model 261 Stepper. The Wall Box may be mounted at some convenient location away from the phonograph and connected to the Stepper by a three conductor cable, such as Wurlitzer Cable, Part No. 46066. The use of No. 16 gauge conductors for the 24 volt a.c. circuit to the wall box will minimize the voltage drop at the wall box resulting in better performance. The Model 261 Stepper will supply power from the phonograph power transformer for a mazimum of four Model 5250 Wall Boxes but any number of Model 5250 Wall Boxes may be connected to the Model 261 Stepper by the addition of one Model 222 Booster Transformer, Part No. 46375, for each additional group of four wall boxes. Each group of four wall boxes should be wired to the stepper through a separate three wire cable. All boxes should be rigidly mounted on a flat surface and set level to properly accept coins. When installing the three conductor cable, fasten securely every 18" and at all corners. Protect the cable from physical damage wherever it passes through walls or floors. Always leave sufficient slack in the cable at the phonograph to allow the phonograph to be moved for service and cleaning.

The three terminals on the Model 261 Stepper should be connected through the three conductor cable to the corresponding numbers on the terminal boards in the wall boxes. Either or both terminal boards in the wall boxes may be used.

The wall box motors operate on 24 a.c. supplied by the junction power transformer on the Amplifier Chassis Pan and are fused by the 3 ampere Fustat on the stepper. Number three terminal on the stepper is the 24 V a.c. from the 3 ampere Fustat. Number two terminal is the common ground for both the 24 V a.c. and the impulse circuit to number one terminal.

One 5/10 ampere Slow Blo Fuse will be found on the Model 261 Stepper which protects the Step Magnets and latch release relay winding from short circuits on the wall box line.

Note: Opening the safety switch, which is normally held closed by the Record Fan Guide Assembly in front of the turntable, will open the power to the wall box line. This could be caused by a defective record partially out of the record carrier.

b. The Model 5200 Wall Box is designed to operate with the Model 2610 Phonograph when equipped with a Model 259-A or Model 259 Stepper. The wiring and mounting of the 100 selection wall boxes are the same as for the 200 selection wall box. A maximum of four 100 selection wall boxes may be connected to one line. Any additional wall boxes require the installation of one model 222 Booster Transformer, Part No. 46375, for each group of four wall boxes.

The first group of wall boxes connected to the stepper are protected by the 3 ampere Fustat mounted on the stepper assembly. When booster transformers are used each power supply will have a three ampere Fustat to protect those wall boxes wired to it.

Two cartridge type fuses are mounted on the 259-A Stepper. The 5/10 ampere Slow-Blo fuse protects the two step magnets and the latch release relay winding from short circuits on the wall box lines. The 8/10 ampere Slow Blo fuse is wired in the selector coil circuit protecting the selector coils from overload.

c. KIT 169 REMOTE LOUDNESS CONTROL

Kit 169, Part No. 121007, is a motor driven remote loudness control system which includes a manual reject button. The motor driven assembly is designed to be installed in the amplifier chassis pan by removing a cover plate from the chassis mounting hole. The assembly drops into position and is held by the cover plate mounting screws. A connecting link is provided, which requires no tools to install, to transfer the motor torque to the manual loudness control included as part of the Model 543 Amplifier. By means of a disc clutch built into the motor assembly the manual loudness control is always operative after the remote control has been installed. Connection is made to the remote control station through any three conductor cable of No. 22 A.W.G. size or larger. No shielding is required. The manual reject button requires two conductors from the remote control station to terminals No. 1 and 2 on the amplifier terminal board. These terminals are jumpered together by means of a connecting strap which must be opened when the remote cancel is connected. The circuit is then completed through the normally closed reject button in the remote control box. No shielding is required.

9. METHOD OF NUMBERING RELAY CONTACTS

When referring to Functional Schematics or Wiring Diagrams of the Model 2600 Phonographs, it will be noted that all relay contacts are designated by a number. Figure 74 shows the relative position of the contacts on the various stacking arrangements in use.

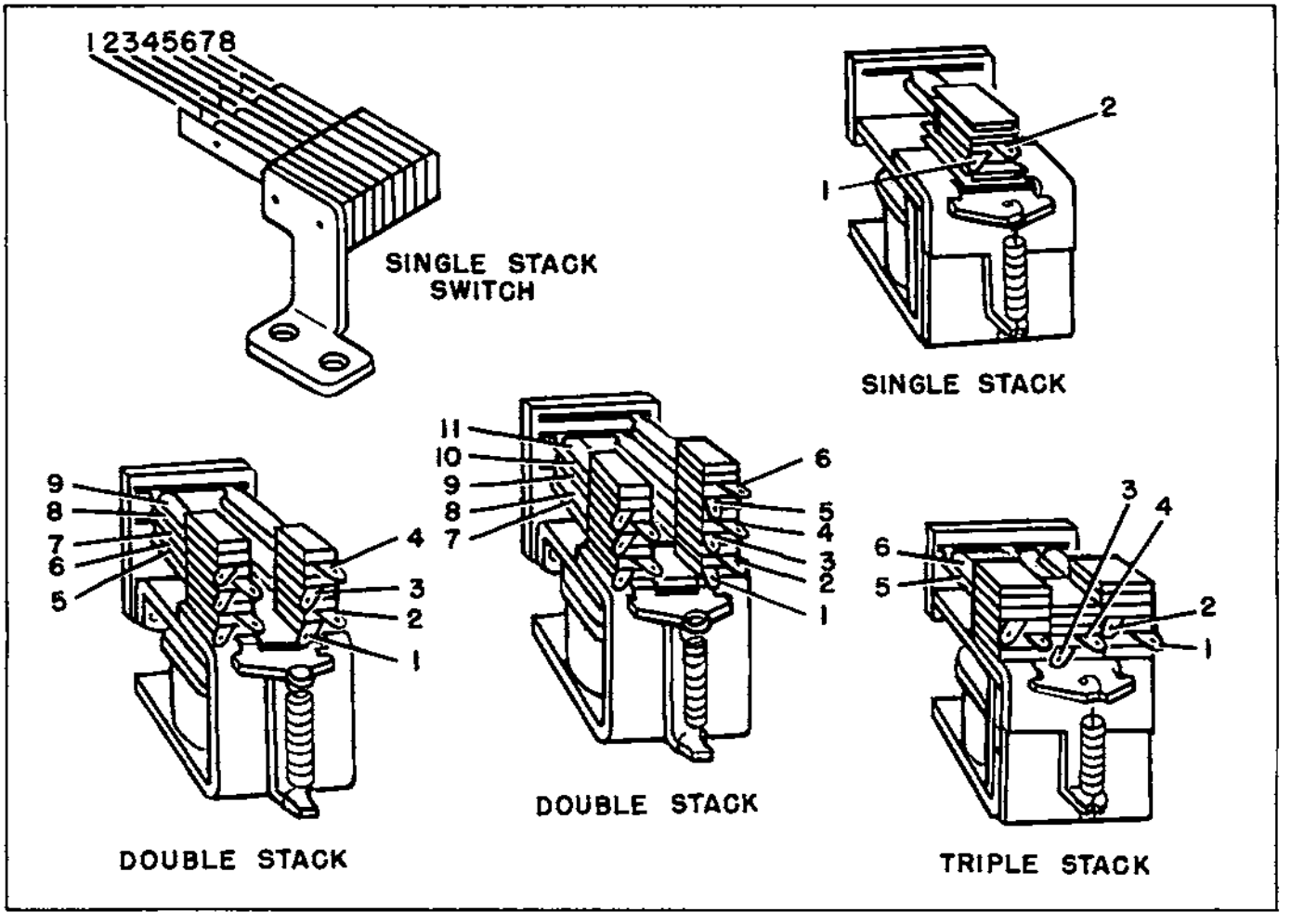
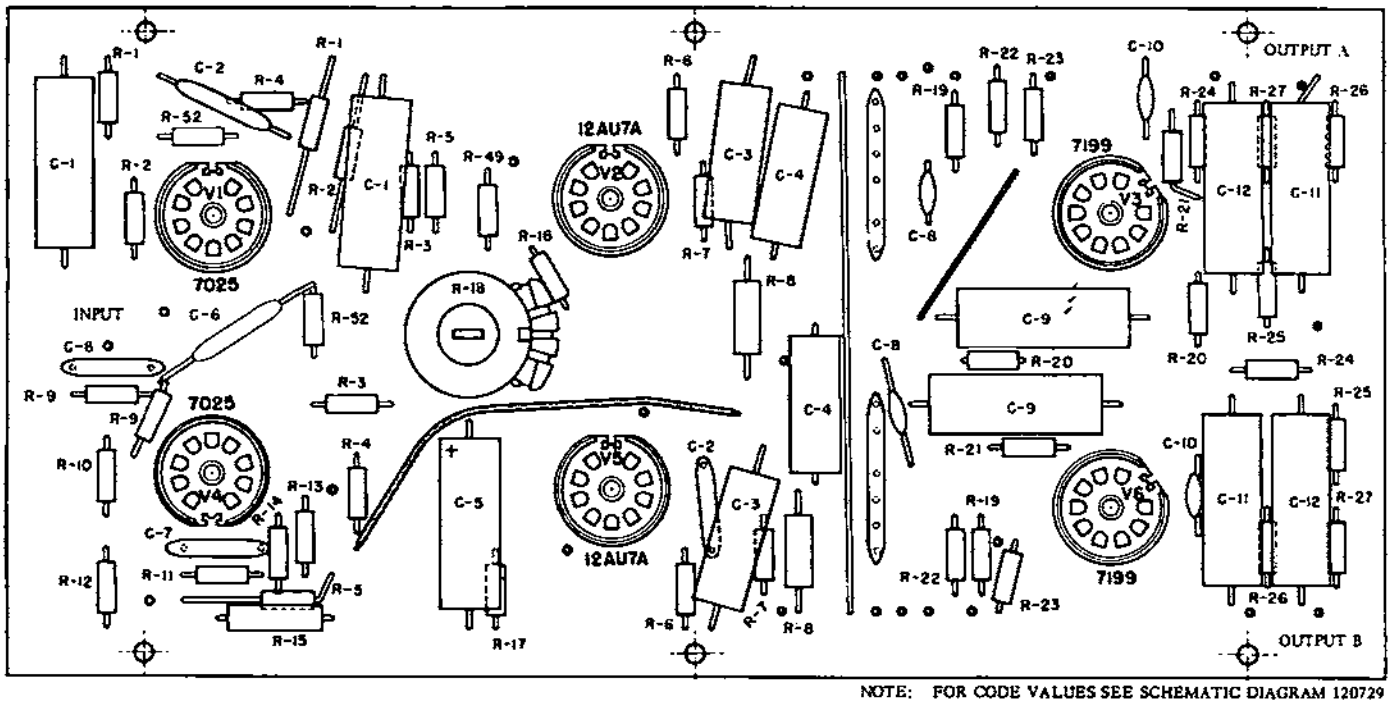


Fig. 74. METHOD OF NUMBERING RELAY CONTACTS



NOTE: FOR CODE VALUES SEE SCHEMATIC DIAGRAM 120729

FIG. 75 PRINTED CIRCUIT BOARD - MODEL 543 DUAL CHANNEL AMPLIFIER (TOP SIDE) 120701 ASSEM.

V4 7025
V.A. - Rect.

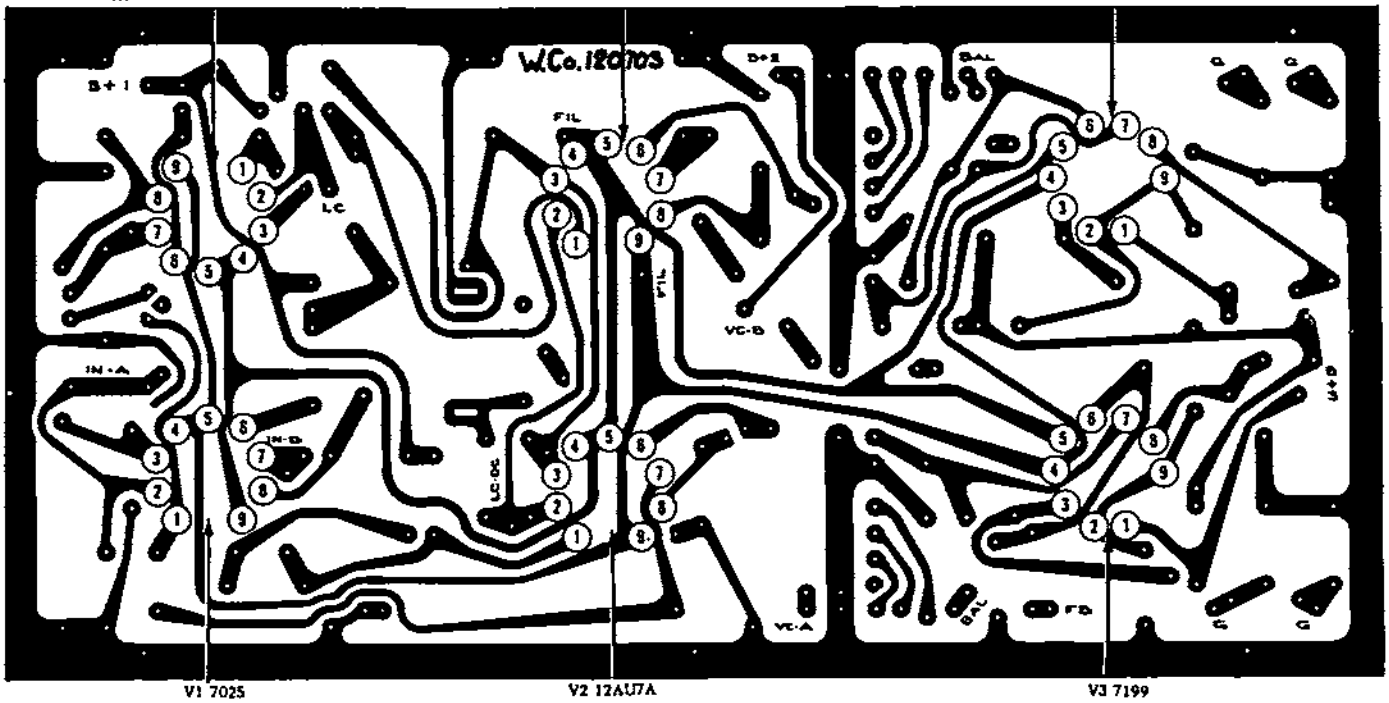
PIN NO.	PIN NO.
1 - Rect. P	6 - V.A. P
2 - Rect. G	7 - V.A. G
3 - Rect. K	8 - V.A. K
Heater - 4-5-9	

V5 12AU7A
R_L - V.A.

PIN NO.	PIN NO.
1 - R_L - P	6 - V.A. P
2 - R_L - G	7 - V.A. G
3 - R_L - K	8 - V.A. K
Heater - 4-5-9	

V6 7199
V.A. Ø

PIN NO.	PIN NO.
1 - Ø - P	6 - V.A. K
2 - V.A. P	7 - V.A. G
3 - V.A. S_G	8 - Ø - K
Heater - 4-5-	9 - Ø - G



V1 7025
V.A.

PIN NO.	PIN NO.
1 - "A" - P	6 - "B" - P
2 - "A" - G	7 - "B" - G
3 - "A" - K	8 - "B" - K
Heater - 4-5-9	

V2 12AU7A
R_L - V.A.

PIN NO.	PIN NO.
1 - R_L - P	6 - V.A. P
2 - R_L - G	7 - V.A. G
3 - R_L - K	8 - V.A. K
Heater - 4-5-9	

V3 7199
V.A. Ø

PIN NO.	PIN NO.
1 - Ø - P	6 - V.A. K
2 - V.A. P	7 - V.A. G
3 - V.A. S_G	8 - Ø - K
Heater - 4-5-	9 - Ø - G

Fig. 76. PRINTED CIRCUIT BOARD MODEL 543 DUAL CHANNEL AMPLIFIER (UNDERSIDE)

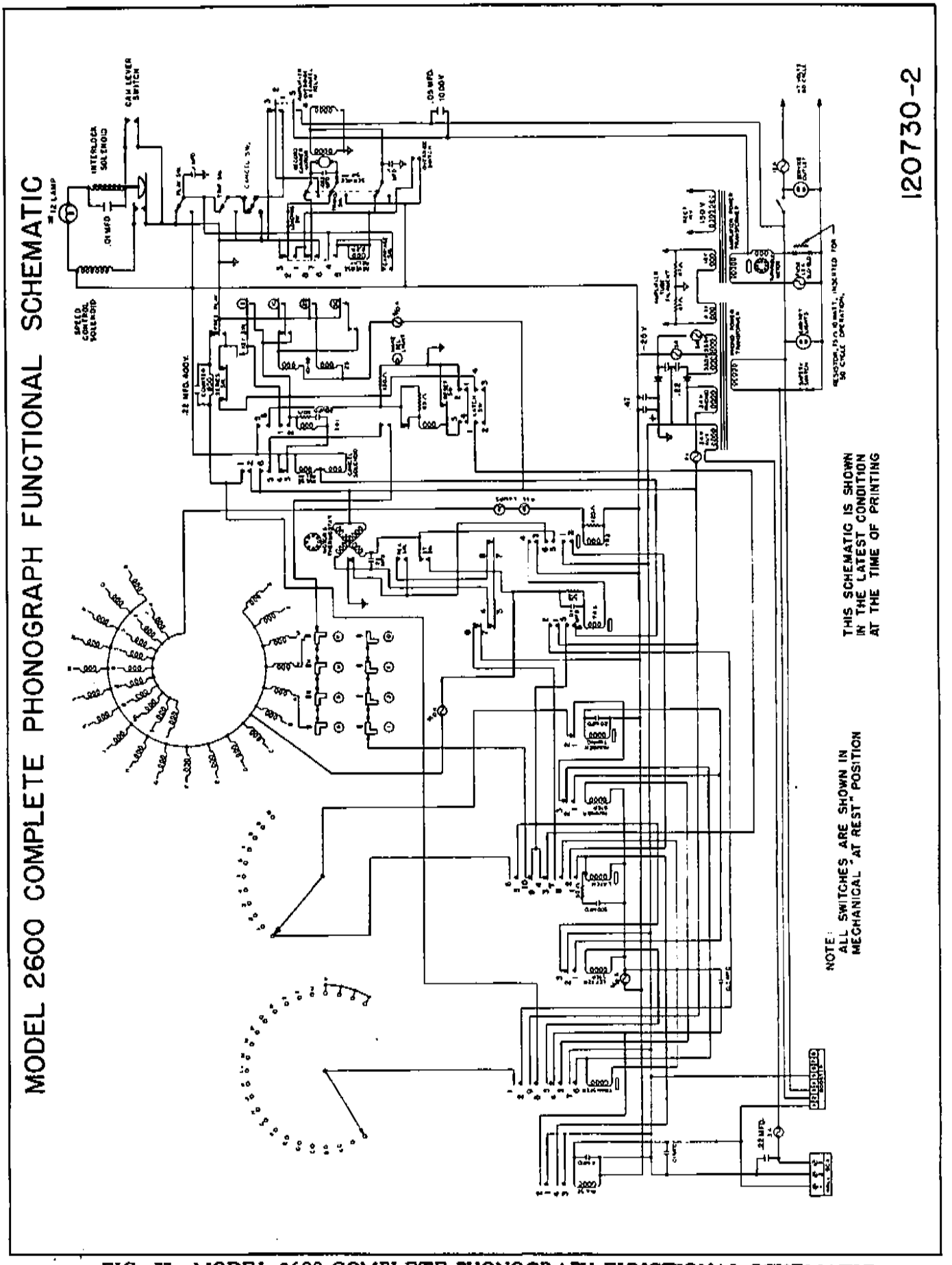


FIG. 77 MODEL 2600 COMPLETE PHONOGRAPH FUNCTIONAL SCHEMATIC

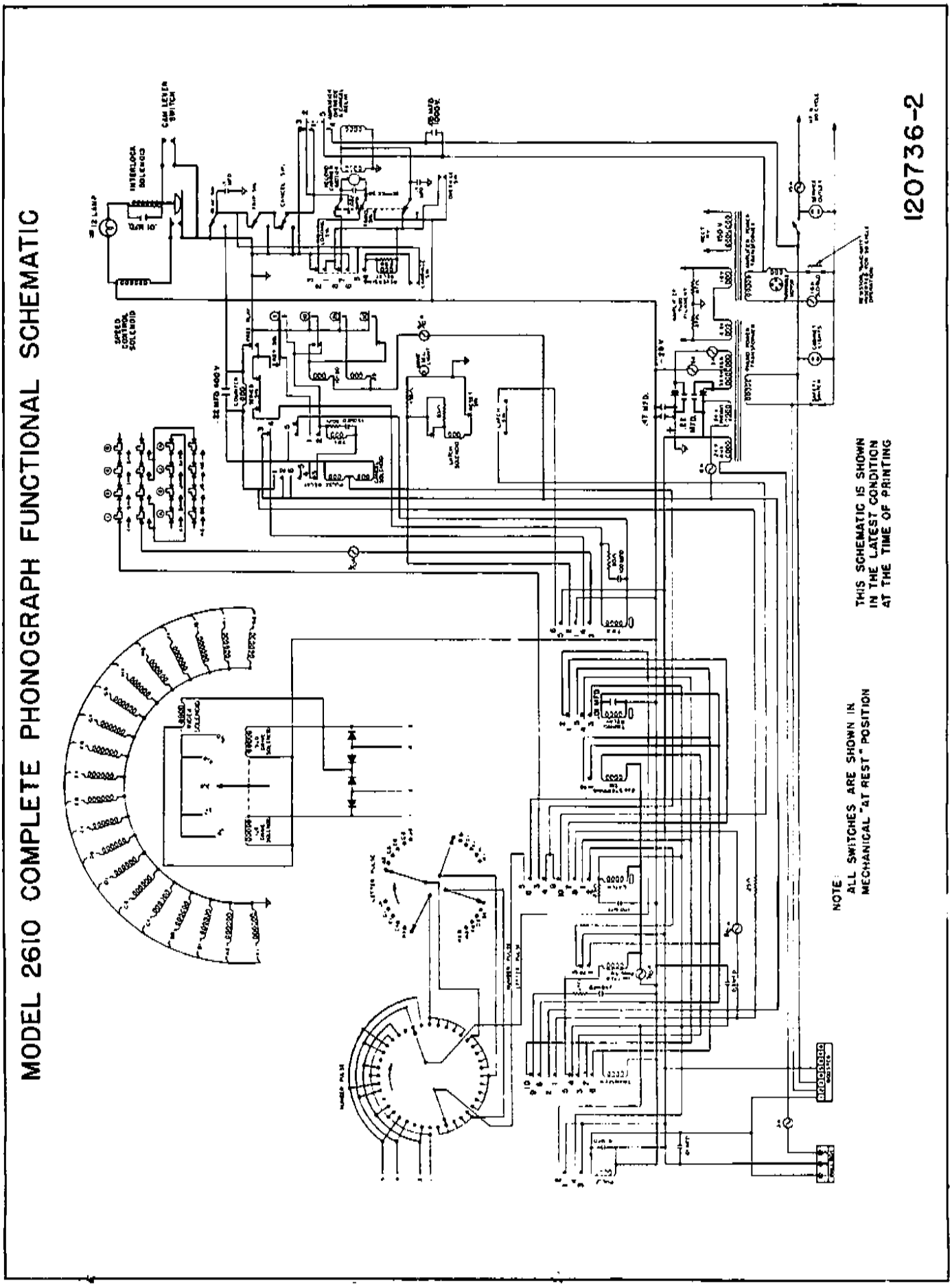


FIG. 78 MODEL 2610 COMPLETE PHONOGRAPH FUNCTIONAL SCHEMATIC

MODEL 2600 WIRING DIAGRAM

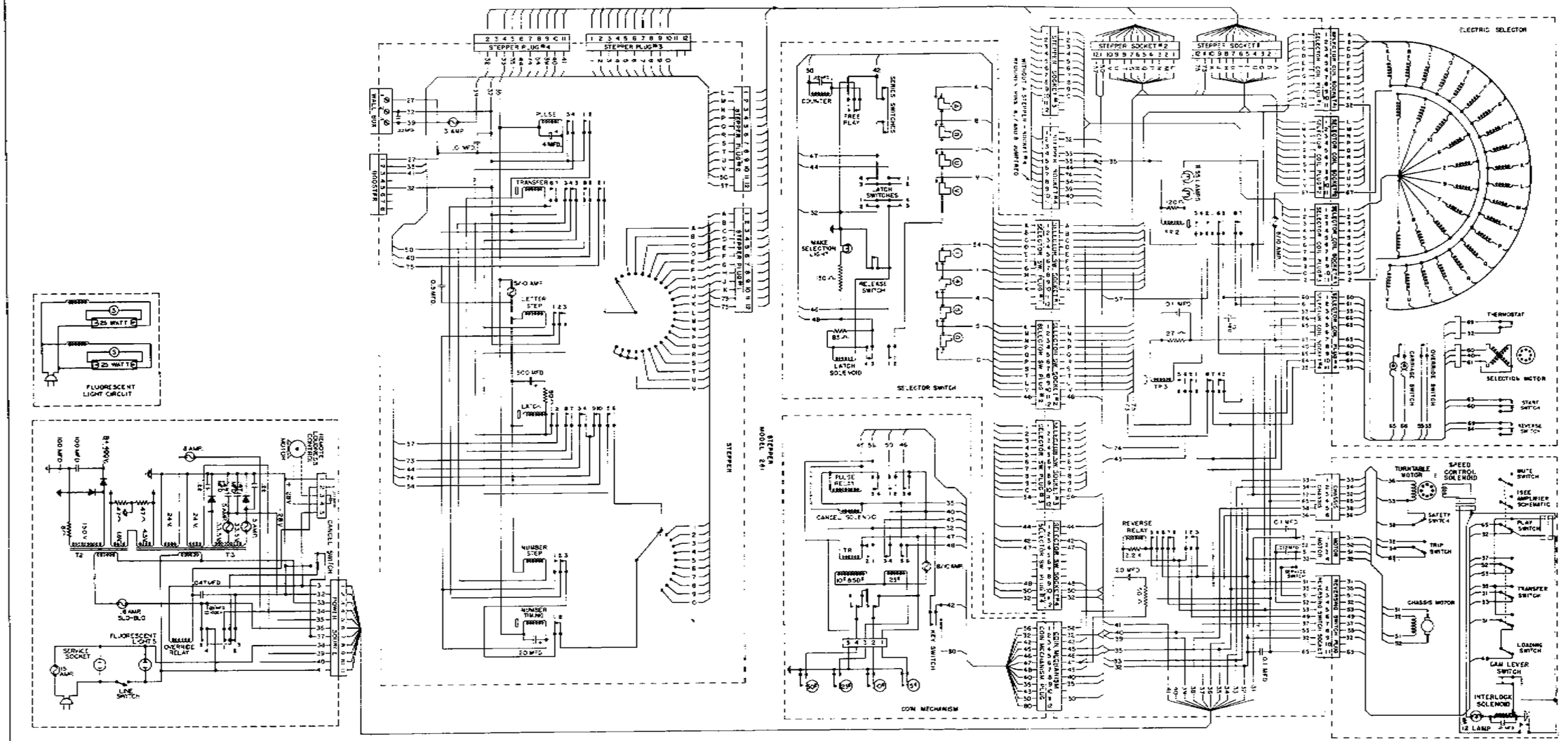
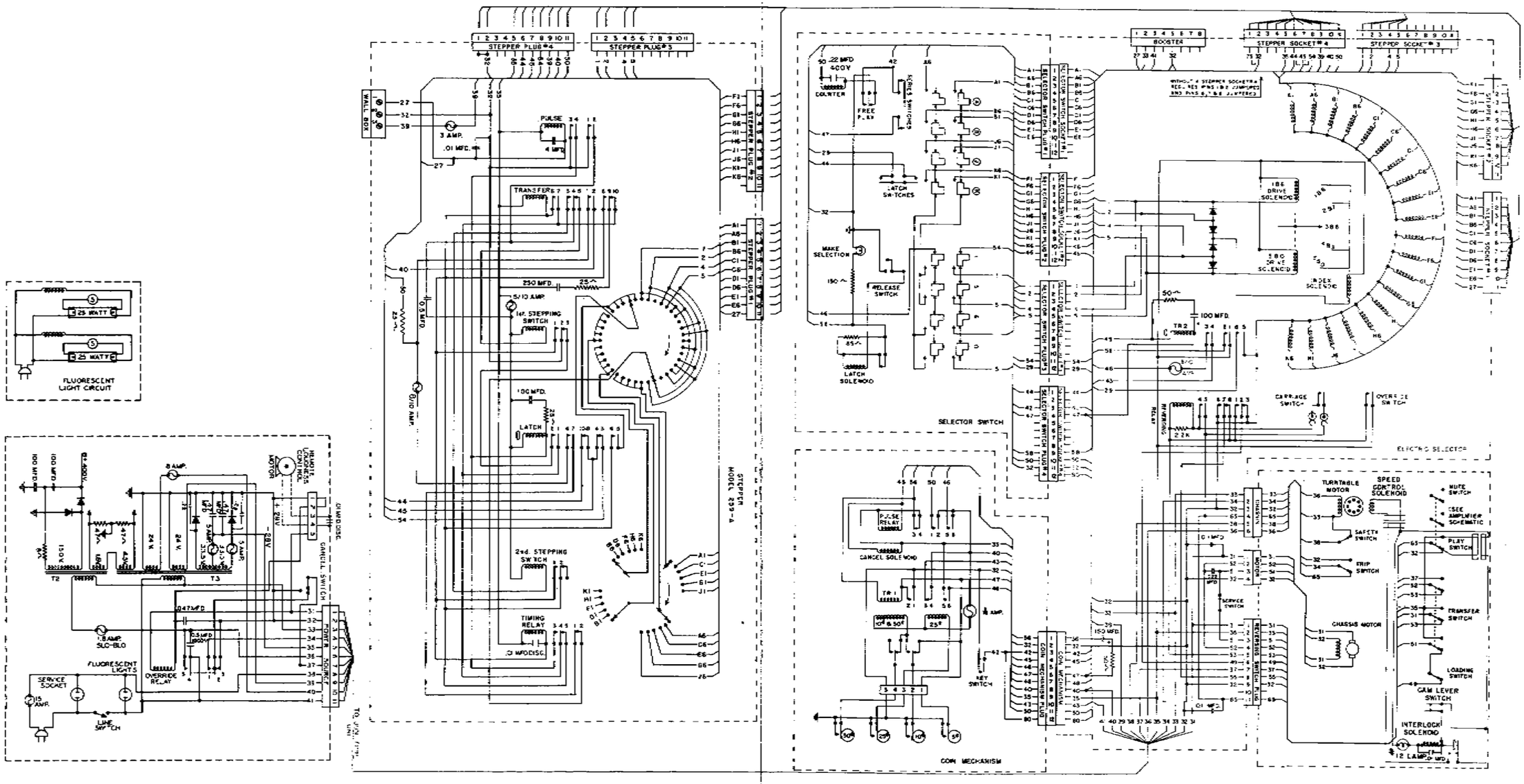


Fig. 79 MODEL 2600 WIRING DIAGRAM

MODEL 2610 WIRING DIAGRAM



THIS SCHEMATIC IS SHOWN AS THE LATEST CONDITION AT THE TIME OF PRINTING.

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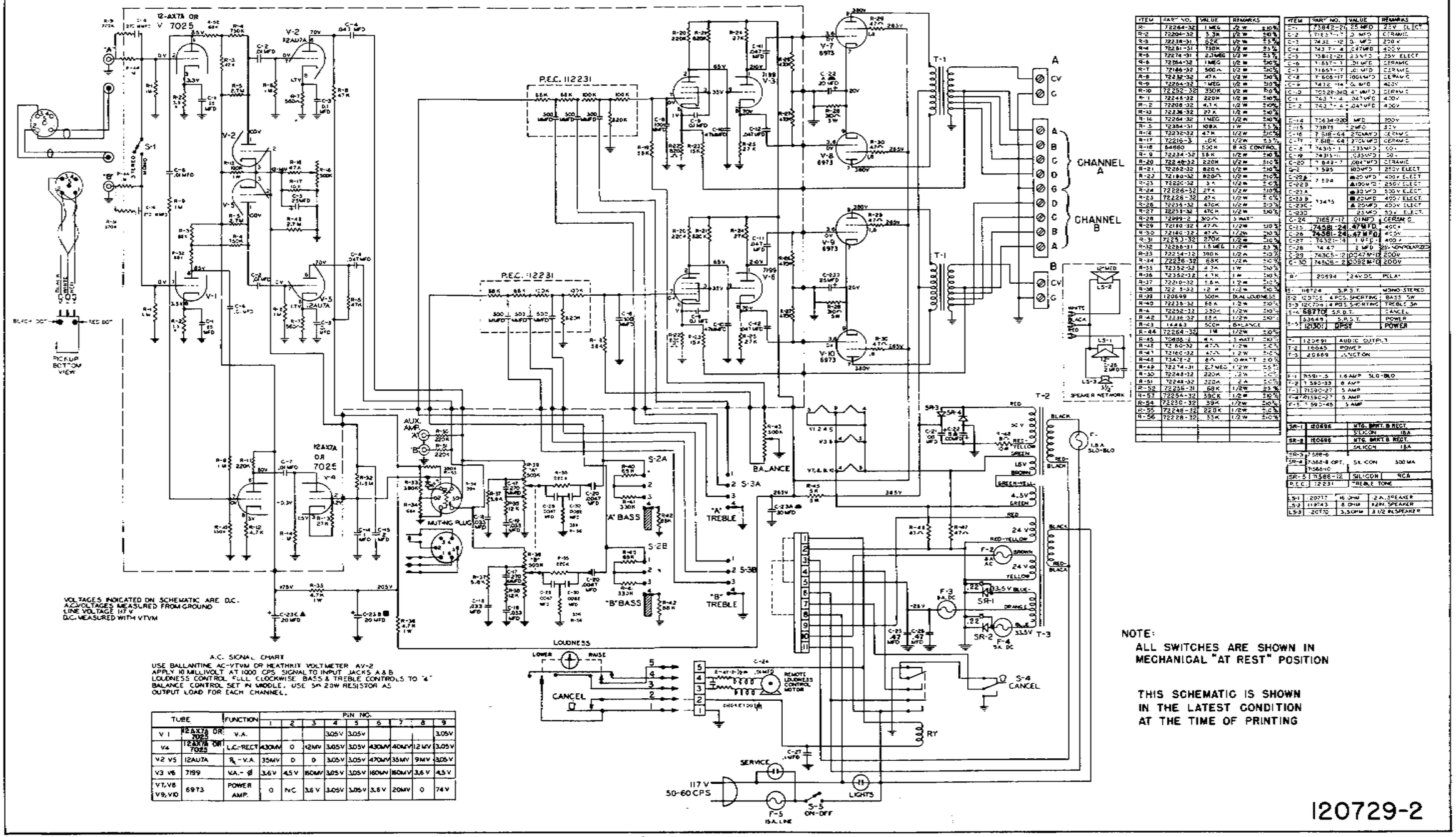
FIG. 80 MODEL 2610 WIRING DIAGRAM

SOUND SYSTEM SCHEMATIC – MODEL 543 AMPLIFIER



A.C. SIGNAL CHART

USE BALLANTINE AC-VTVM OR HEATHKIT VOLTMETER AV-2
APPLY 10 MILLIVOLT AT 1000 CPS. SIGNAL TO INPUT JACKS A & B.
LOUDNESS CONTROL FULL CLOCKWISE. BASS & TREBLE CONTROLS TO "4"
BALANCE CONTROL SET IN MIDDLE. USE 5A 20W RESISTOR AS
OUTPUT LOAD FOR EACH CHANNEL.

TUBE		FUNCTION	PIN NO. 1	2	3	4	5	6	7	8	9
V 1	12AX7A OR 7025	V.A.				3.05V	3.05V				3.05V
V4	12AV6A OR 7025	L.C.-RECT	430MV	0	42MV	3.05V	3.05V	430MV	40MV	12 MV	3.05V
V2 V5	12AU7A	R_k - V.A.	35MV	0	0	3.05V	3.05V	470MV	35MV	9MV	3.05V
V3 V6	7199	V.A. - ϕ I	3.6V	4.5V	160MV	3.05V	3.05V	160MV	160MV	3.6 V	4.5V
V7,V8 V9,V10	6973	POWER AMP.	0	N.C.	3.6 V	3.05V	3.05V	3.6V	20MV	0	74V

ITEM	PART NO.	VALUE	REMARKS
R-	72264-32	1 MEG	1/2 W
R-2	72264-32	1 MEG	1/2 W
R-3	72238-31	62K	1/2 W
R-4	72261-31	750K	1/2 W
R-5	72274-31	2.2MEG	1/2 W
R-6	72264-32	1MEG	1/2 W
R-7	72186-32	500K	1/2 W
R-8	72232-32	47K	1/2 W
R-9	72264-32	1MEG	1/2 W
R-10	72252-32	330K	1/2 W
R-11	72245-32	220K	1/2 W
R-12	72208-32	4.1K	1/2 W
R-13	72236-32	27K	1/2 W
R-14	72264-32	1MEG	1/2 W
R-15	72384-31	10BK	1W
R-16	72232-32	47K	1/2 W
R-17	72216-3	1.0K	1/2 W
R-18	84880	500K	B AS CONTROL
R- 9	72234-32	56K	1/2 W
R-20	72246-32	220M	1/2 W
R-21	72262-32	820K	1/2 W
R-22	72180-32	820K	1/2 W
R-23	72220-32	3K	1/2 W
R-24	72226-32	27K	1/2 W
R-25	72226-32	27K	1/2 W
R-26	72256-32	470K	1/2 W
R-27	72251-32	47K	1/2 W
R-28	72999-2	300K	3 WATT
R-29	72180-32	47K	1/2 W
R-30	72180-32	47K	1/2W
R-31	72253-32	270K	1/2 W
R-32	72288-31	1.5MEG	1/2 W
R-33	72254-32	390K	1/2 W
R-34	72256-32	68K	1/2 W
R-35	72352-32	4.7K	1W
R-36	72352-32	4.7K	1W
R-37	72210-32	5.6K	1/2 W
R-38	522 3-32	12 K	1/2 W
R-39	120699	500K	DUAL LOUDNESS
R-40	72235-32	68 K	1/2 W
R-41	72252-32	330K	1/2W
R-42	72236-32	68K	1/2W
R-43	16463	500K	BALANCE
R-44	72264-32	1M	1/2W
R-45	70488-2	6 K	5 WATT
R-46	72 60-32	47K	1/2W
R-47	72160-32	47K	1/2 W
R-48	73478-2	8K	10 WATT
R-49	72274-31	2.7MEG	1/2W
R-50	72248-32	220K	1/2W
R-51	72248-32	220K	1/2W
R-52	72256-31	68K	1/2W
R-53	72254-32	390K	1/2W
R-54	72230-32	39K	1/2W
R-55	72248-32	220K	1/2W
R-56	72228-32	33K	1/2W

ITEM	PART NO.	VALUE	REMARKS
C-	73842-21	25 MFD	25V ELECT
C-2	71857-17	.5 MFD	CERAMIC
C-3	74332-12	.5 MFD	270 V
C-4	7433 7-4	.047MFD	400 V
C-5	73833-21	2.5 MFD	25V ELECT
C-6	71837-11	.01 MFD	CERAMIC
C-7	71851-17	.05 MFD	CERAMIC
C-8	71805-17	100 MFD	CERAMIC
C-9	74332-14	.5 MFD	400V
C-10	70528-340	.47 MFD	CERAMIC
C-11	7433 7-4	.047MFD	400V
C-12	7433 7-4	.047MFD	400V
C-13			
C-14	70434-220	MFD	350V
C-15	73875	2 MFD	25V
C-16	71818-64	270MMFD	CERAMIC
C-17	71818-64	270MFD	CERAMIC
C-18	74335-1	.033MFD	400
C-19	74315-11	.033MFD	200
C-20	74842-1	.0047MFD	CERAMIC
C-21	7595	100MFD	25V ELECT
C-22A	7524	20 MFD	450V ELECT
C-22B		150MFD	25V ELECT
C-23A	73475	30 MFD	350V ELECT
C-23B		20MFD	450V ELECT
C-23C		25MFD	50V ELECT
C-24	71857-17	.01MFD	CERAMIC
C-25	74581-24	.47MFD	400V
C-26	74581-24	.47MFD	400V
C-27	74332-14	1 MFD	400 V
C-28	74 47	1 MFD	200V NONPOLARIZED
C-29	74305-12	.0047MFD	200V
C-30	74308-2	.0082MFD	200V
R-	20494	24VDC	RELAY
S-	118724	3 P.S.T.	W/HOUSE STEREO
S-2	120705	6 POS. SHORTING	BASS SW
S-3	120704	4 POS. SHORTING	TREBLE SW
S-4	68770E	S.P.D.T.	CANCEL
S-5	53649	S.P.S.T.	POWER
S-6	16463	500K	BALANCE
S-	121301	DPST	POWER
T-	120491	AUDIO OUTPUT	
T-2	16845	POWER	
T-3	49889	JUNCTION	
F-1	71591-5	1.6 AMP	SLO-BLO
F-2	1 590-33	8 AMP	
F-3	71590-27	5 AMP	
F-4	71590-27	5 AMP	
F-5	1 590-45	5 AMP	
SR-1	120696	MTG. BRKT. & RECT.	
		SILICON	1.8A
SR-2	120695	MTG. BRKT. & RECT.	
		SILICON	1.8A
SR-3	73588-6		
SR-4	73588-8 OPT.	SILICON	500 MA
	73588-10		
SR-5	73588-12	SILICON	90A
P.E.C.	12231	"TREBLE TONE	

LS-1	20212	16 OHM	2 IN. SPEAKER
LS-2	119743	8 OHM	8 2IN. SPEAKER
LS-3	20712	3.5 OHM	3 1/2 IN SPEAKER

NOTE:
ALL SWITCHES ARE SHOWN IN MECHANICAL "AT REST" POSITION

THIS SCHEMATIC IS SHOWN IN THE LATEST CONDITION AT THE TIME OF PRINTING

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FIG. 81 SOUND SYSTEM SCHEMATIC - MODEL 543 AMPLIFIER

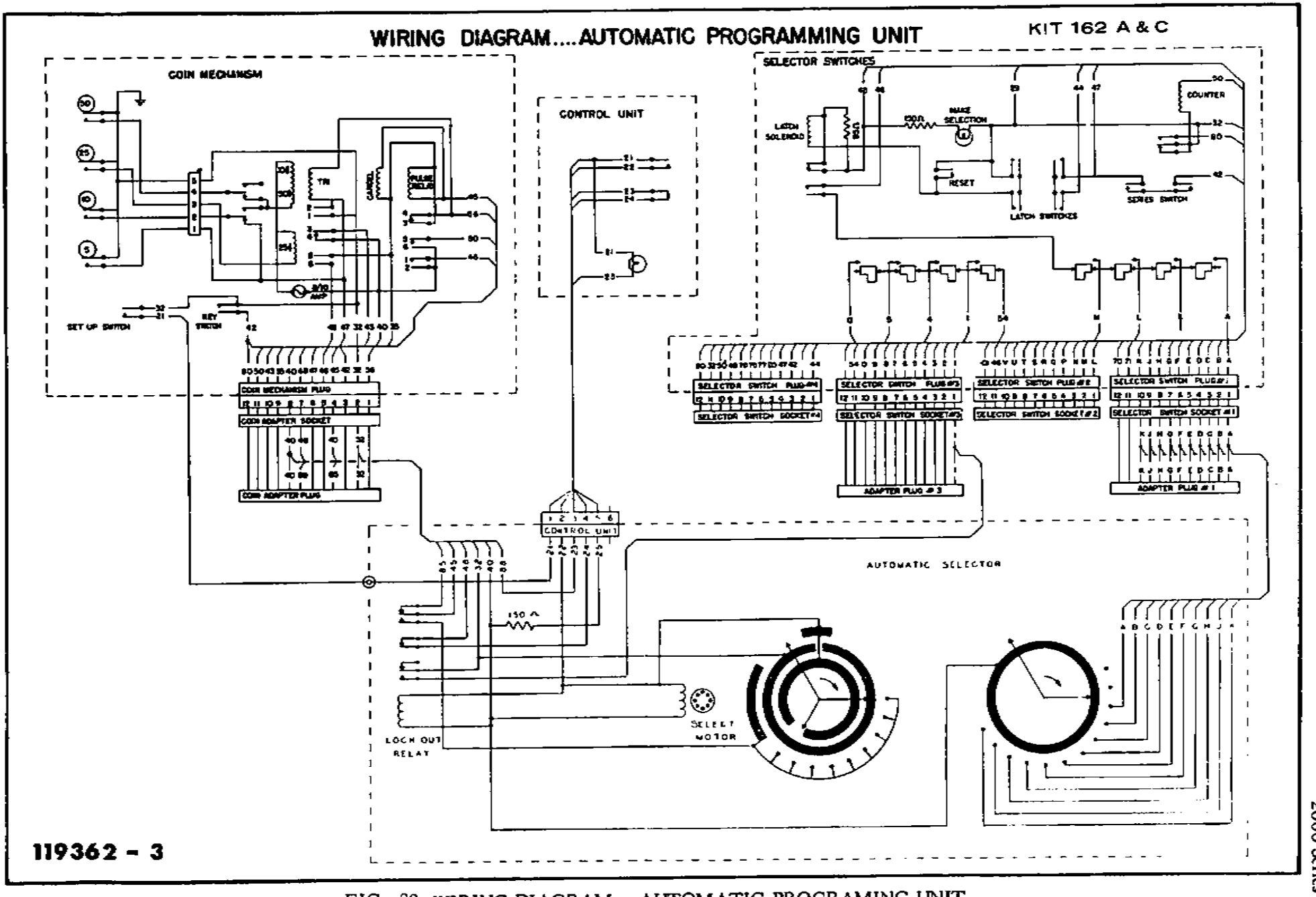

FIG. 82 WIRING DIAGRAM - AUTOMATIC PROGRAMING UNIT
KIT 162A & C

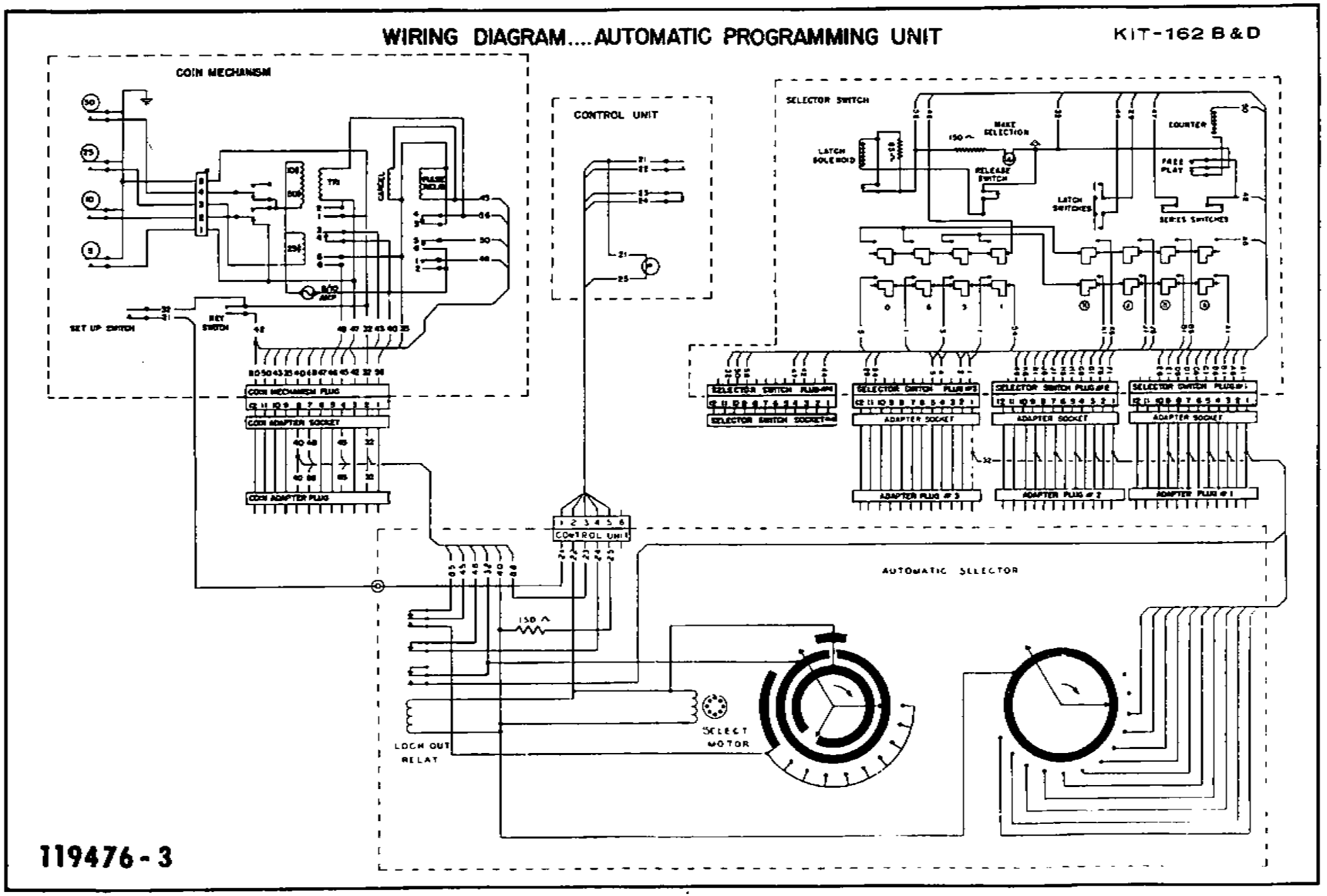

FIG. 83 WIRING DIAGRAM - AUTOMATIC PROGRAMING UNIT
KIT 162B & D

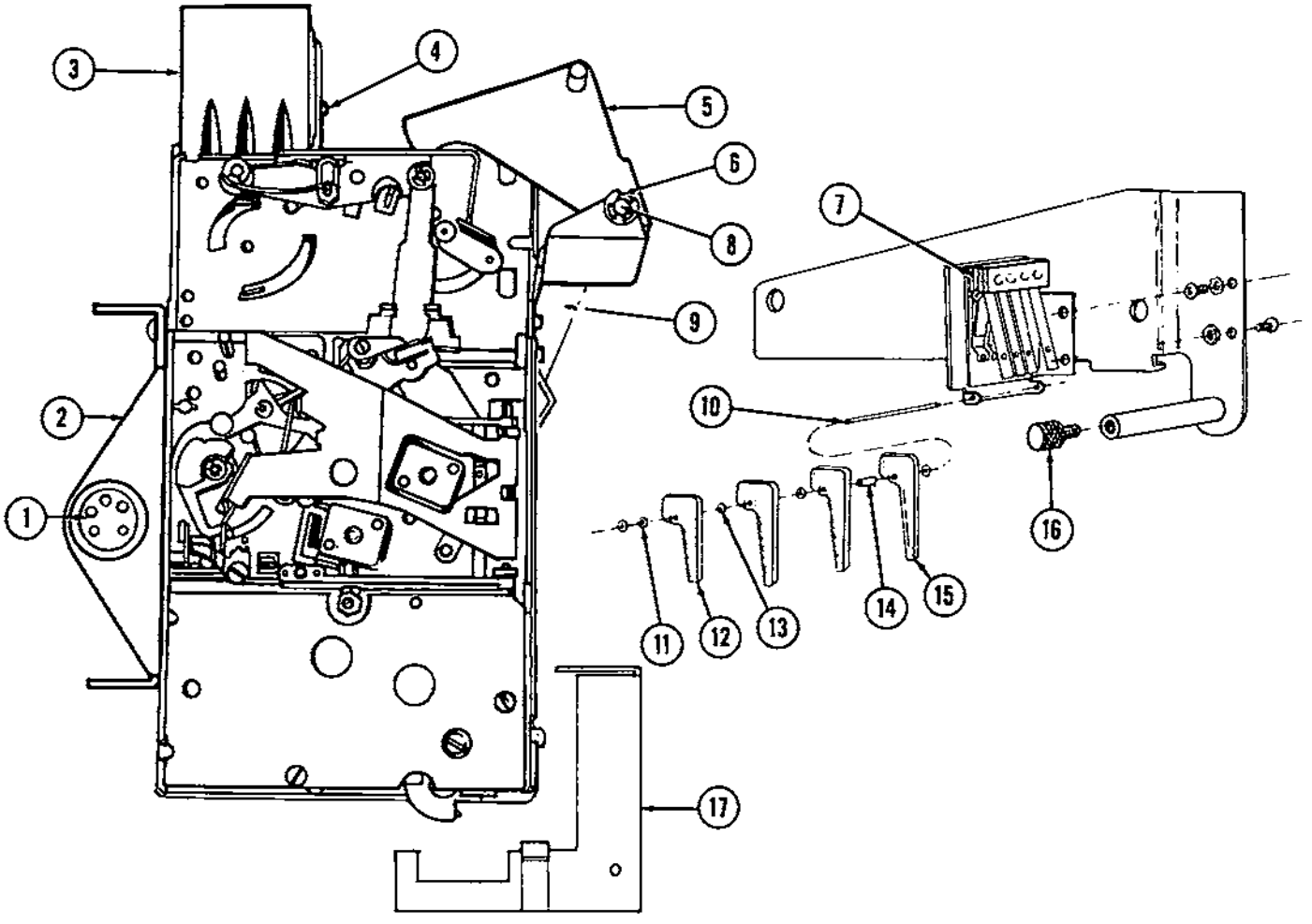

FIG. 84 SLUG REJECTOR ASSEMBLY AND COIN SWITCH ASSEMBLY

1.	Plug, 5 prong	13089
2.	Bracket	120951
3.	Lower Coin Chute Assembly	68552
4.	Shaft	68711
	Spring Washer	73632-4
	Retaining Ring	73724-18
5.	Pin and Actuator Assembly	120964
6.	Retaining Ring	73724-25
7.	Coin Switch Assembly	119107
8.	Shaft	68300
	Spring	119025
9.	Mounting Plate and Spring Catch Assy.	120960
10.	Shaft	119107-C
11.	Iron Washer (2)	119107-E
12.	Short Paddle	119107-B
13.	Copper Washer (3)	119107-F
14.	Spacer	119107-D
15.	Long Paddle (3)	119107-A
16.	Thumb Screw	35745
17.	Guard-Coin Switch	110875

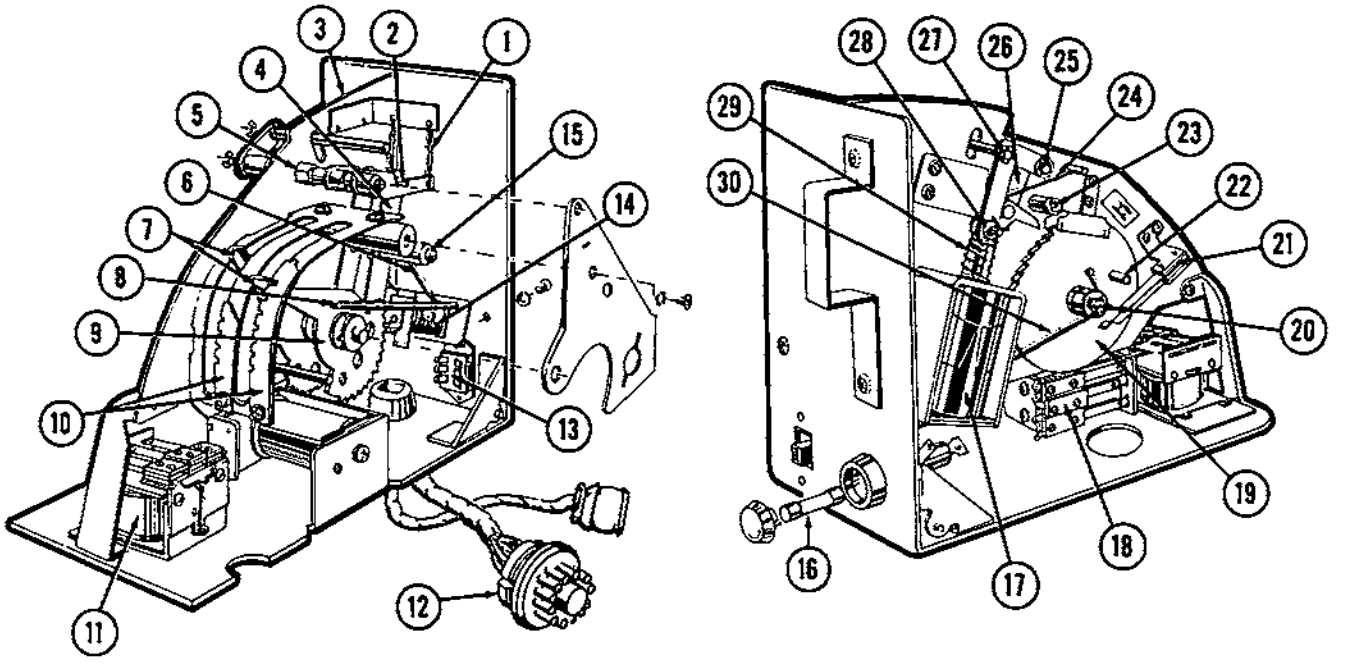

FIG. 85 COIN REGISTER ASSEMBLY (PLAYRAK)

1.	Spring (2)	62145
2.	Hub and Lever Assembly, Lockout	66130
3.	Front Plate and Shaft Assembly	66122
4.	Lever, Hub and Stud Assy., Magnet Armature (2)	66129
5.	Mounting Stud, Lockout Lever	66049
6.	Spring, Armature Return (2)	58781
7.	Stop Lever and Spring Assembly	66132
8.	Spring, Accumulator Wheel (2)	66074
9.	Accumulator Wheel and Hub Assembly	66131
10.	Indexing Strip and Silk Screen Assy. 25¢	66133
	Indexing Strip and Silk Screen Assy. 10¢ - 50¢	66135
11.	Relay, Pulse	69244
12.	Plug, 12 prong	114324
13.	Slide Switch	62886
14.	Coin Magnet and Bracket Assembly	66128
15.	Retaining Ring (2)	73724-18
16.	Fuse Post	51485
	Fusetron, 8/10 ampere Slow Blo	71591-10
17.	Solenoid, Cancel	65069
18.	Relay, TR #1	112494
19.	Cancel Wheel Assembly	66124
20.	Retaining Ring	73724-25
21.	Switch Assembly	66082
22.	Screw, Switch Actuator, 4-40 x 1/2" R.H. Nylon	74288-6
23.	Adjusting Cam	4286
24.	Spring, Cancel Pawl	62145
25.	Pivot Pin, Pawl	63623
	Retaining Ring	73724-21
26.	Pivot Arm & Pawl Assembly	66125
27.	Retaining Ring	73724-15
28.	Pin, Solenoid Plunger	65947
29.	Spring, Solenoid Plunger	66072
	Link, Solenoid Plunger	66065
	Cotter Pin	23355
	Eyelet (2)	66070
30.	Spring, Cancel	66071

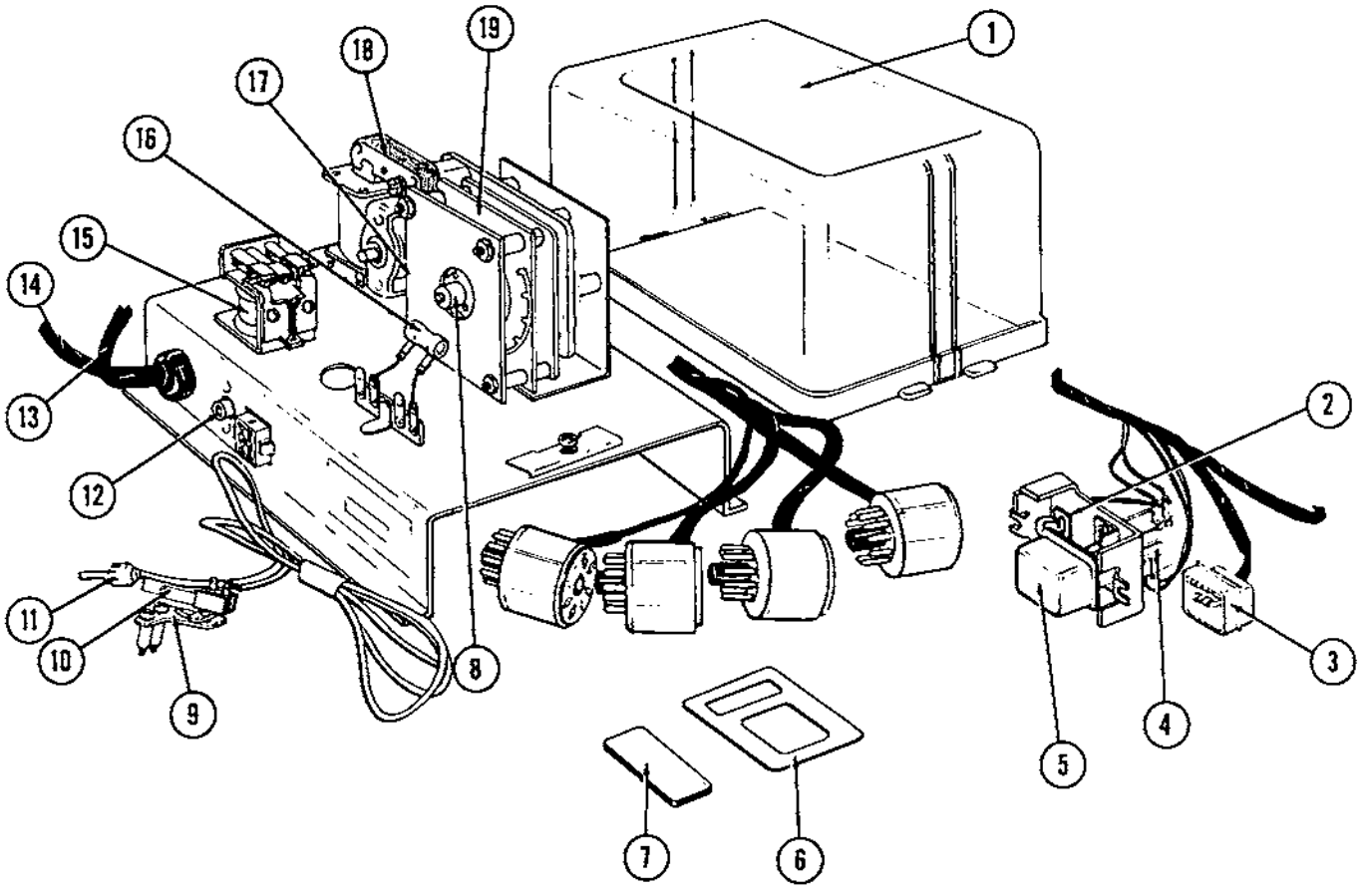

FIG. 86 AUTOMATIC PROGRAMING ASSEMBLY
TOP TUNES SELECTOR

1.	Cover	65801
2.	Socket	111817
	Lamp, G.E. No. 12, 6.3 V.	111816
3.	Cap, 6 circuit	113527
	Socket, 6 circuit	113528
	Contact	111527
4.	Switch	120764
5.	Button, Top Tunes	120754
6.	Select Plate	120755
7.	Window and Silk Screen Assy.	120756
8.	Contact Spring and Hub Assy.	119266
9.	Mounting Bracket and Stud Assy.	119357
	Screw, 6-32 x 5/8 R.H.	73533-27
10.	Switch Assembly	68601
	Mounting Bracket	119356
	(Cont. next column).	
	Screw, 3-48 x 3/8" R.H. (2)	735 3-15
	Screw, 4-40 x 1/4" R.H.	33-2
	Nut, 4-40, Hex	73601-3
11.	Plug	55391
12.	Socket	43341
13.	Cable, Socket and Tape Assy. (162-C)	121252
	Cable, Socket and Tape Assy. (162-D)	121253
14.	Cable, Socket and Label Assy., Coin Mech.	121251
15.	Relay	119464
16.	Resistor 150 ohm, 5W.	71883-2
17.	Contact Plate Assembly	119351
18.	Motor	119275
	Roll Pin	73782-4
19.	Contact Plate and Wire Assy. and Printed Board	119753

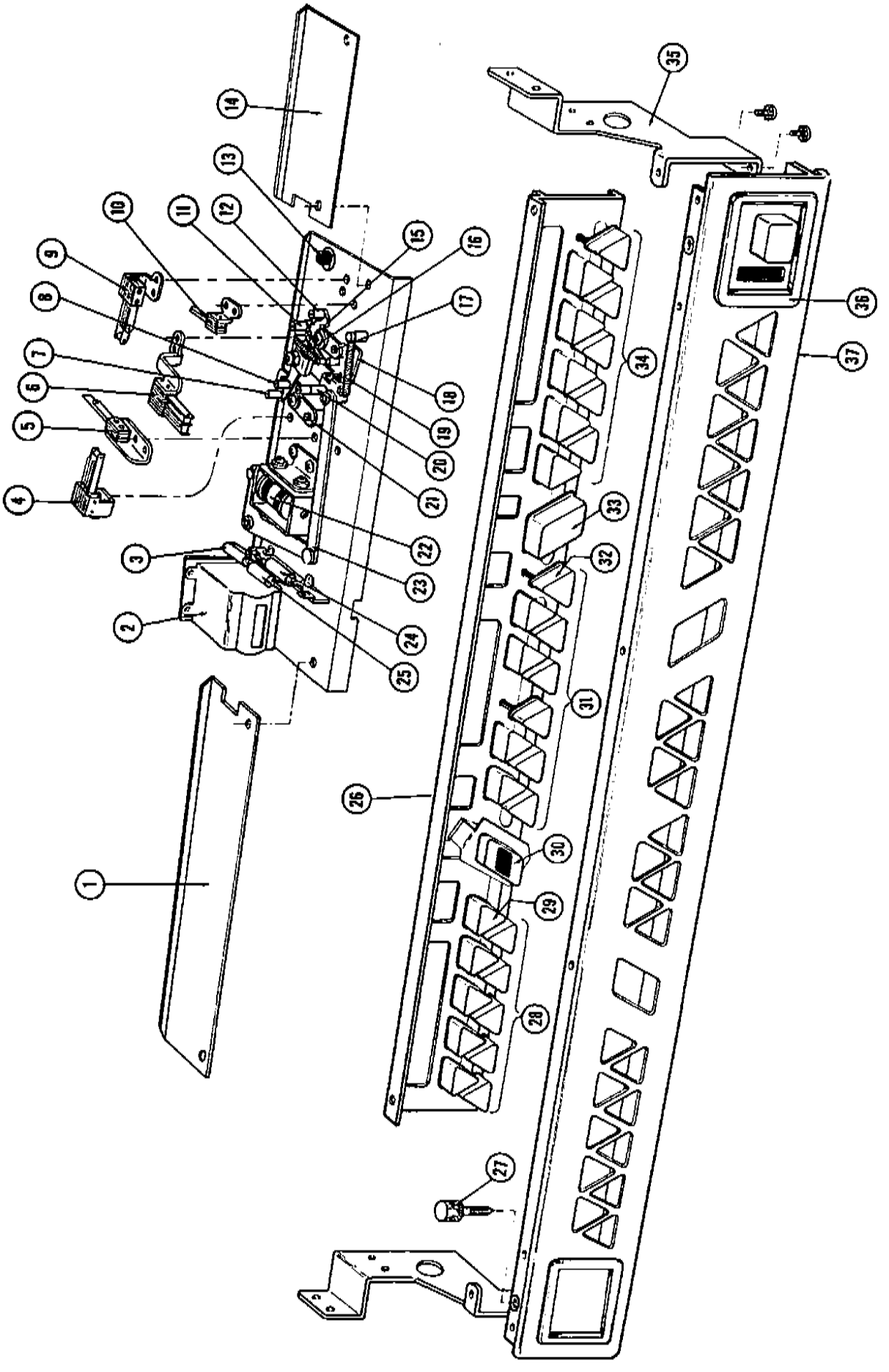

FIG. 87 SELECTOR SWITCH ASSEMBLY

FIG. 87 SELECTOR SWITCH ASSEMBLY

		2600	2610
1.	Light Deflector, L.H.	120649	120648
2.	Counter & Bracket Assy.	120558	120558
3.	Capacitor .22 Mfd., 400 V.	74325-24	74325-24
4.	Switch Assembly, Latch	60518	68601
5.	Switch Assembly, Letter Series	64981	64981
6.	Switch Assembly, Control	56704	65007
7.	Pawl, Stud & Spacer Assy., Letters	65009	65009
8.	Trip Lever, Stud & Spacer Assy., Letters	117694	117694
9.	Switch Assembly, Latch	60518	68601
10.	Switch Assy., Number Series R.H.	64982	64982
11.	Pawl, Spring Stud & Spacer Assy., Numbers	117691	117691
12.	Trip Lever & Spacer Assy., Numbers	117695	117695
13.	Slide Switch, Spring Return	116723	116723
14.	Light Deflector, R.H.	120646	120647
15.	Spring, Number Latch	120067	120067
16.	Spring, Letter Latch	57129	57129
17.	Shaft, Link & Lever Assy., Numbers	111898	111898
18.	Stop Bracket	56628	56628
	Rubber Grommet	117689	117689
19.	Spring Solenoid Return	57130	57130
20.	Release Lever, Stud & Spacer Assy.	56713	56713
	Retaining Ring	73724-15	73724-15
21.	Shaft, Link & Lever Assy., Letters	111897	111897
	Taper Pin, 6/0 x 7/16"	65362	65362
22.	Solenoid, Switch Interlock	112104	112104
	Plunger, Solenoid	112104-1	112104-1
	Pin, Solenoid Plunger	65947	65947
	Cotter Pin	23355	23355
23.	Crank & Link Assembly	111720	111720
	Retaining Ring	73724-18	73724-18
24.	Resistor, 150 Ohm, 5W	71883-2	71883-2
25.	Resistor, 85 Ohm, 5W	71886-3	71886-3
26.	Mounting Channel and Bracket Assembly	120783	120784
	Light Diffuser	121023	121023
27.	Lock Screw	120592	120592
28.	Button Assy., A through K	120813 thru 120822	120813 thru 120822
29.	Selector Switch, Letters	120504	120506
	Connector Link, Letter Switches	116260	116259
	Adjusting Clip, Letters	112417	112417
30.	Select Button	116317	116317
	Box, Select Light	120572	120572
	Cover, Select Light	120573	120573
	Light Socket and Wire Assy.	121352	121352
	Lamp #44	24689	24689
31.	Button Assy., 1 through 5	120823 thru 120827	120843 thru 120847
	Button Assy., 6 through 0	120828 thru 120833	120828 thru 120833
	Complete Set of Buttons	120813A	120813B
32.	Selector Switch, Numbers	120503	120505
	Connector Link, Number Switch	116255	116252
	Adjusting Clip, Number	116369	116369
33.	Reset Button	116318	116318
	Reset Switch	120555	120555
34.	Button Assy., L through V	120833 thru 120842	* *
35.	Mounting Bracket, R.H. Selector Extrusion	120570	120570
	Mounting Bracket, L.H. Selector Extrusion	120567	120567
36.	Window Casting & Latch Plate Assembly (2)	120595	120595
	Clip (2)	120593	120593
	Coin Denomination Plate 7/50¢ - 3/25¢ - 1/10¢ or 2 nickels	120591	120591
	Coin Denomination Plate, 10/50¢ - 5/25¢ - 1/10¢ or 2 nickels	120974-S	120974-S
	Coin Denomination Plate, 9/50¢ - 4/25¢ - 1/10¢ or 2 nickels	120975-S	12. 75-S
	Coin Denomination Plate, 10/50¢ - 4/25¢ - 1/10¢ or 2 nickels	120976-S	120976-S
	Coin Denomination Plate, 5/25¢ - 2/10¢, 1/5¢	120542	120542
	Instruction Plate Half Dollars, Quarters, Dimes, Nickels	120590	120590
	Instruction Plate Quarters, Dimes, Nickels	120543	120543
37.	Extrusion and Stop Nut Assy.	120664	120804

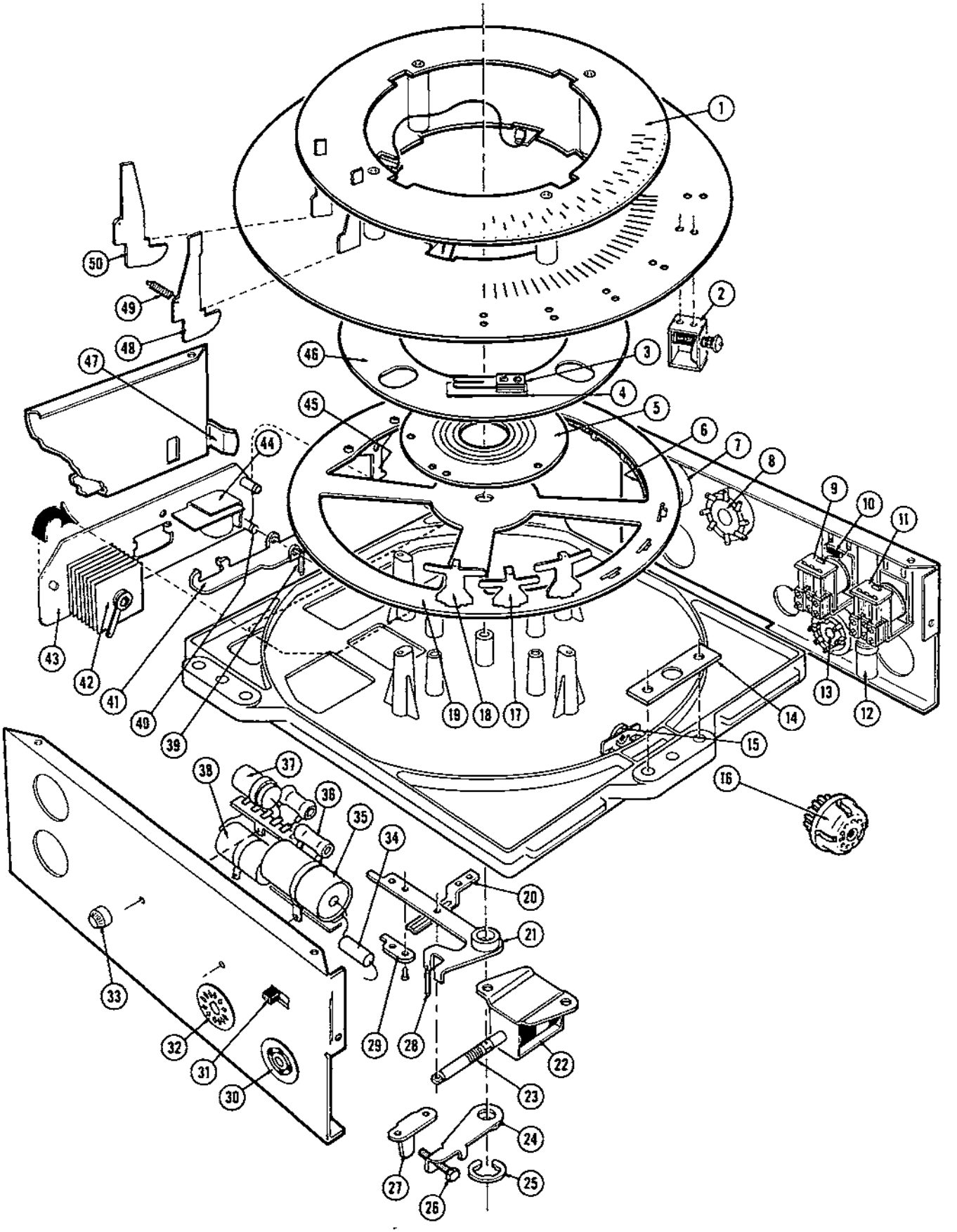
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FIG. 88 ELECTRIC SELECTOR, 2610

1. Plate and Spacer Assembly	115909	25. Retaining Ring	73724-50
2. Solenoid, Selector (20)	64602	26. Screw, 8-32 x 7/8" Hex Hd.	73793-87
3. Override Switch (4)	115918	27. Stop, Centering Yoke	115824
4. Insulator, Override Switch (4)	64595	28. Spring (2)	115821
5. Contact Plate Assembly	66186	29. Guide Plate, Centering Yoke	115822
6. Spring, Rotating Plate	115973	30. Socket, 4 Prong	30495
7. Socket, 12 Prong (5)	114325	31. Slide Switch	116724
8. Socket, 8 Prong	10964	32. Socket, 12 Prong (5)	114325
9. Relay, Reverse	69240	33. Fuse Post	51485
10. Resistor, 2200 Ohm, 1/2W	72200-32	Fuse 8/10 Amp., Slow Blo	71591-10
11. Relay, Timing #2	64711	34. Capacitor, .022 Mfd., 400V	71220-24
12. Capacitor, .1 mfd., 400 V.	73093-142	35. Capacitor, 150 Mfd., 50V	73889-620
13. Socket, 6 Prong	32881	36. Resistor, 50 Ohm, 5W (2)	72986-2
14. Guide, Selector Mounting Stud	61850	37. Capacitor, .1 Mfd., 400V	73093-142
15. Roller Assembly (3)	64630	38. Capacitor, 100 Mfd., 50V	73862
16. Plug and Wire Assembly	121319	39. Spring, Stop Arm	64773
Socket, 11 Prong (5)	38492	40. Stop Pivot	64649
17. Rocker, Short (10)	117692	41. Stop Arm and Rivet Assembly	115862
18. Rocker, Long (10)	115788	42. Rectifier, Selenium	118664
19. Rotating Plate	115787	43. Mounting Plate and Spring Stud Assy.	117986
20. Guide, Centering Yoke	115823	44. Magnet and Frame Assembly	117987
21. Centering Yoke, Hub and Pin Assembly	115802	45. Stop Bracket, Selector	115789
22. Solenoid, Driver (2)	115975	46. Wobble Plate	115796
23. Spring and Plug Assembly	64783	47. Latch Bar, Junction Box	115837
24. Adjustment Bracket, Hub and Stop Nut Assembly	115798	48. Latch Pin, Inner (50)	115806
		49. Spring (100)	110
		50. Latch Pin, Outer (50)	115807

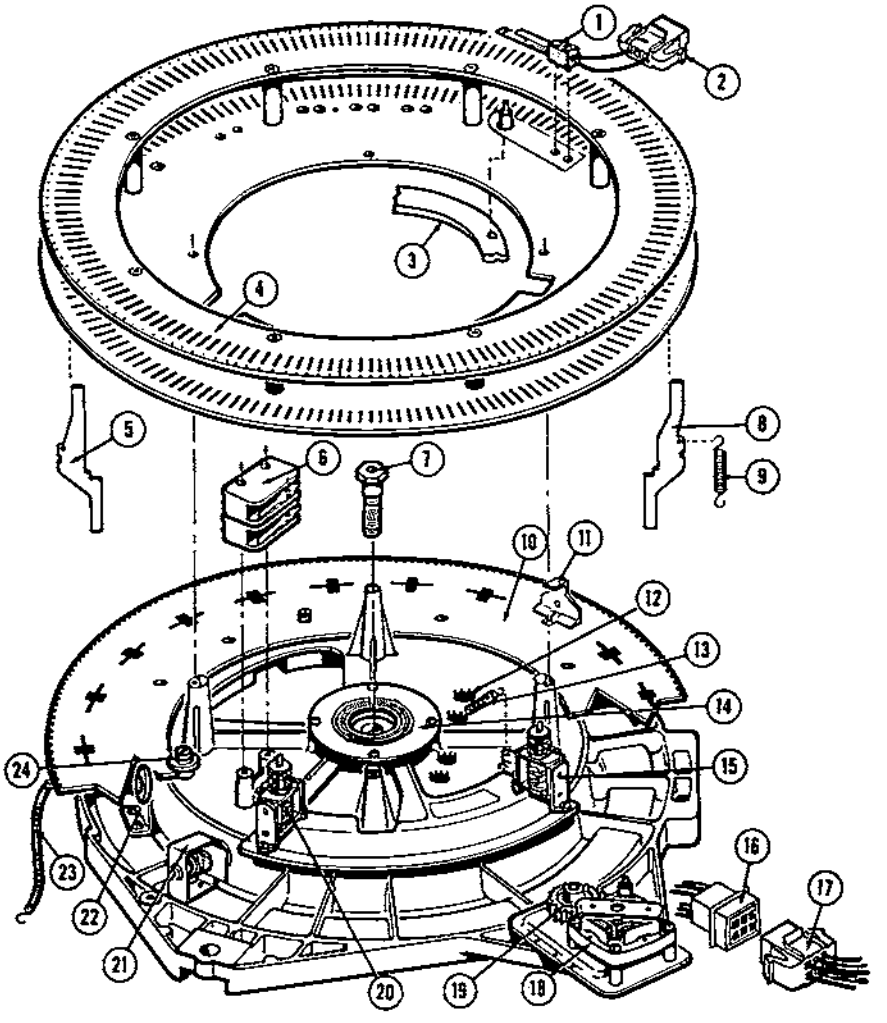

FIG. 89 ELECTRIC SELECTOR, 2600

1.	Switch Assembly, Override (4)	65952
	Insulator, Override Switch, Top	69839
	Insulator, Override Switch, Bottom	69841
2.	Socket, 3 circuit	117824
	Cap, 3 circuit	117823
3.	Wobble Ring	67927
	Spacer (4)	68650
4.	Selector Plates and Spacer Assembly	111027
5.	Latch Pin, Inner (100)	110941
6.	Micro Switch (2)	110558
7.	Stud	69246
	Lock Washer	73607-13
	Nut, 1/2" - 20	73602-77
	Shoulder Screw (2)	68649
8.	Latch Pin, Outer (100)	110942
9.	Spring, Latch Pin (200)	110480
10.	Rotating Plate	67920
11.	Rocker, Rotating Plate, (20)	67926
12.	Plug, 11 prong	48501
	Socket, 11 prong (3)	38492
13.	Spring, Number Quadrant	62773
14.	Contact Plate Assembly	66186

(Cont. next column).

15.	Solenoid, Selector Stop (1)	68804
	Plunger	68608
	Washer	64766
	Spring	64780
	Internal Hair Pin	74402-1
16.	Cap, 6 circuit	113527
17.	Socket, 6 circuit	113528
	Contact (10)	111527
18.	Motor and Gear Assembly	111913
19.	Gear and Hub Assembly	68717
	Roll Pin	73782-32
20.	Solenoid, Selector Stop (9)	68617
21.	Solenoid, Selector (20)	68594
	Plunger	68496
	Washer	64766
	Spring	64780
	Internal Hair Pin	74402-1
22.	Bracket and Roller Assembly (3)	68651
23.	Spring, Rotating Plate	68755
24.	Roller, Guide (3)	68656
	Stud, Eccentric, Guide Roller	69659
	Stud, Guide Roller (2)	68657
	Retaining Ring (3)	73724-31

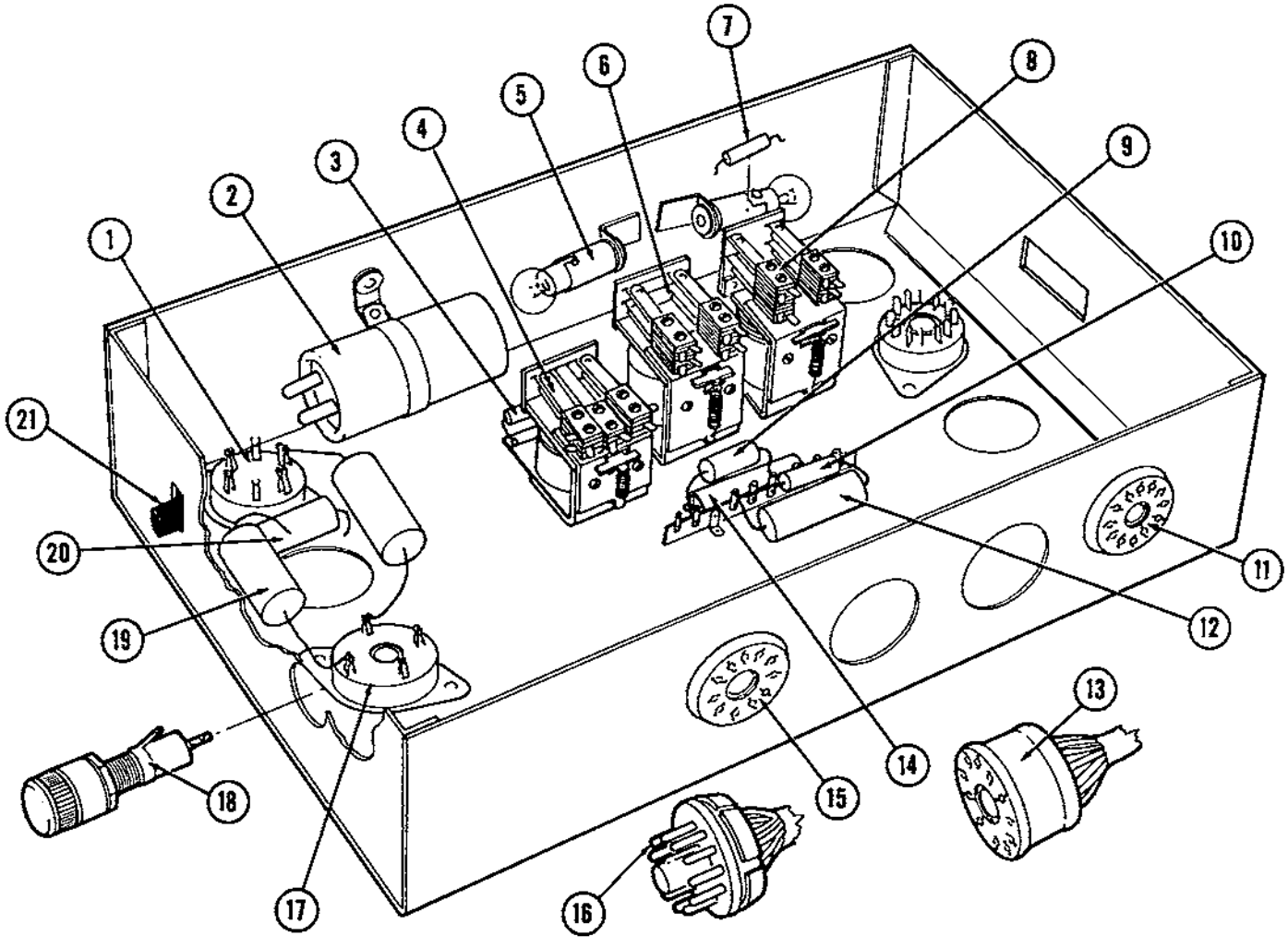

FIG. 90 JUNCTION BOX - 2600

1.	Socket, 6 Prong	32881	12.	Capacitor, .1 Mfd. 200V.	71227-12
2.	Capacitor, 75 Mfd. A.C.	70901	13.	Socket, 11 Prong	58898
3.	Resistor, 2200 Ohm 1/2 Watt	72200-32	14.	Capacitor, 20 Mfd. 50V.	73864
4.	Relay, Reverse	65750	15.	Socket, 11 Prong	38492
5.	Lamp Socket Assembly (2)	110453		Plug and Wire Assembly - Shorting	121319
	Lamp, Number 55 (2)	67439	16.	Plug, 11 Prong (4)	54878
6.	Relay, Timing, Number 3	118469	17.	Socket, 4 Prong	30495
7.	Resistor, 120 Ohm 1 Watt	72314-32	18.	Fuse Post	51485
8.	Relay, Timing, Number 2	68942		Fuse, .8 Amp. Slow Blo	71591-10
9.	Resistor, 50 Ohm 5 Watt	72986-2	19.	Capacitor, .1 Mfd. 400V. (2)	71227-14
10.	Resistor, 27 Ohm 1 Watt	72298-32	20.	Capacitor, .022 Mfd.	71220-24
11.	Socket, 12 Prong (8)	114325	21.	Switch, Slide Type	116724

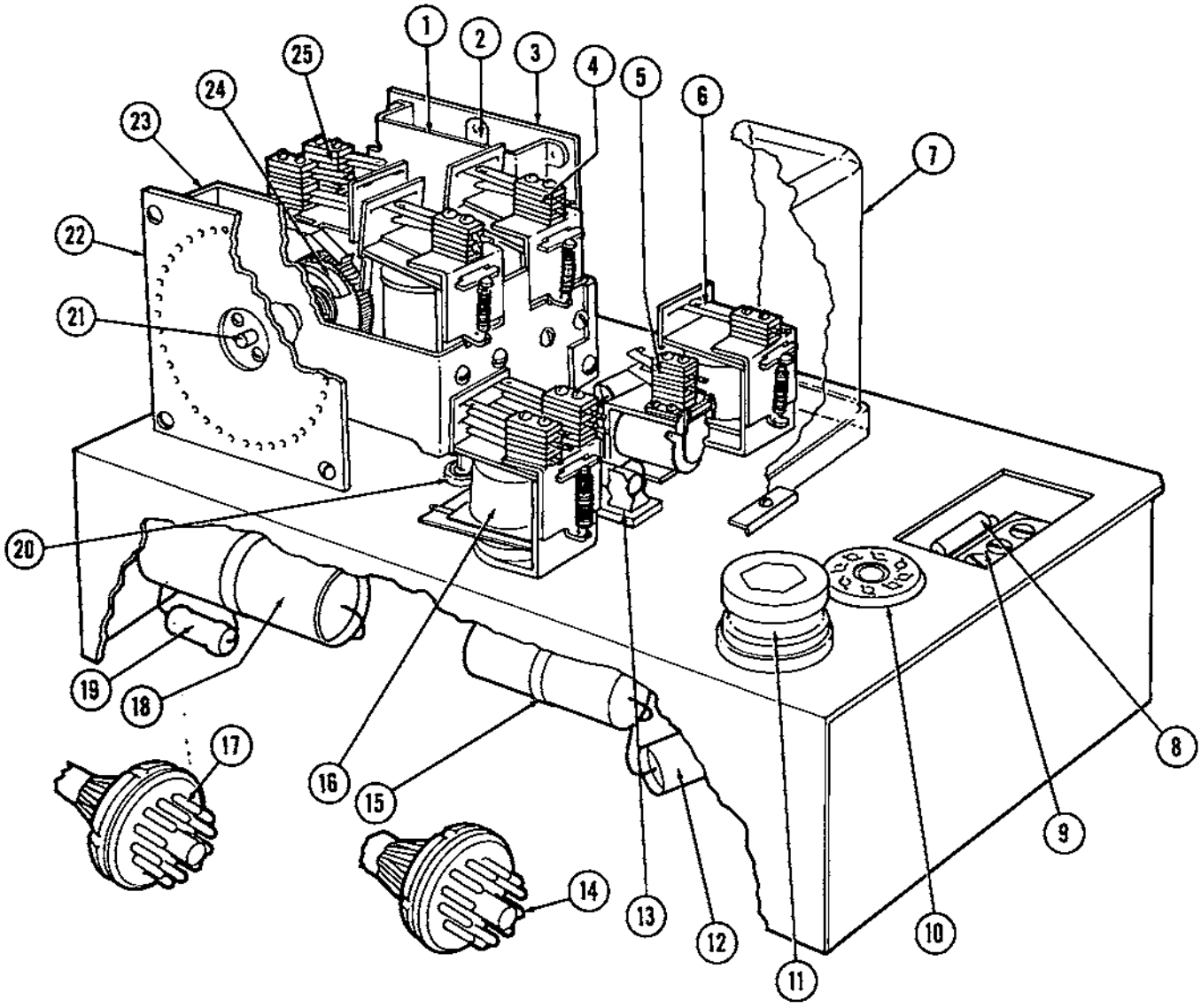

FIG. 91 MODEL 261 STEPPER

1.	Frame, Number Contact Plate	114346-J
2.	Contact Wiper Arm, Letter or Number	114346-G
3.	Contact Plate, Number	114346-E
4.	Step Magnet, Letter or Number	114346-B
	Pawl	114346-BA
	Armature	114346-BB
	Contact Assembly	114346-BC
5.	Relay, Pulse	117048
	Contacts	117048-A
6.	Relay, Timing	118553
7.	Cover, Plastic Box	65801
8.	Capacitor, .01 mfd., 400 V.	71217-14
9.	Terminal Strip	68920
10.	Socket, 8 prong	10964
11.	Socket, Fustat	61857
	Fustat, 3 ampere	61858
12.	Capacitor, 4 mfd., 250 V.	73835-55
13.	Fuse Clip	4660[illegible]
	Fuse, 5/10 ampere, Slow Blo	71591-[illegible]
14.	Plug, 12 prong (3)	114324
15.	Capacitor, .5 mfd., 400 V.	73099-240
16.	Relay, Transfer	118551
17.	Plug, 11 prong	54878
18.	Capacitor, 500 mfd., 50 V.	71816
19.	Resistor, 50 ohm, 5 W.	72986-2
20.	Grommet (3)	60574
	Cup Washer (6)	60575
21.	Stepper, Dual	114346
22.	Contact Plate, Letter	114346-F
23.	Frame, Letter Contact Plate	114346-K
24.	Nylon Ratchet Wheel, Letter	114346-D
	Nylon Ratchet Wheel, Number	114346-C
	Teflon Shim Washer	61004-A
25.	Release Relay	114346-A
	Armature and Pawl Spring	114346-AA

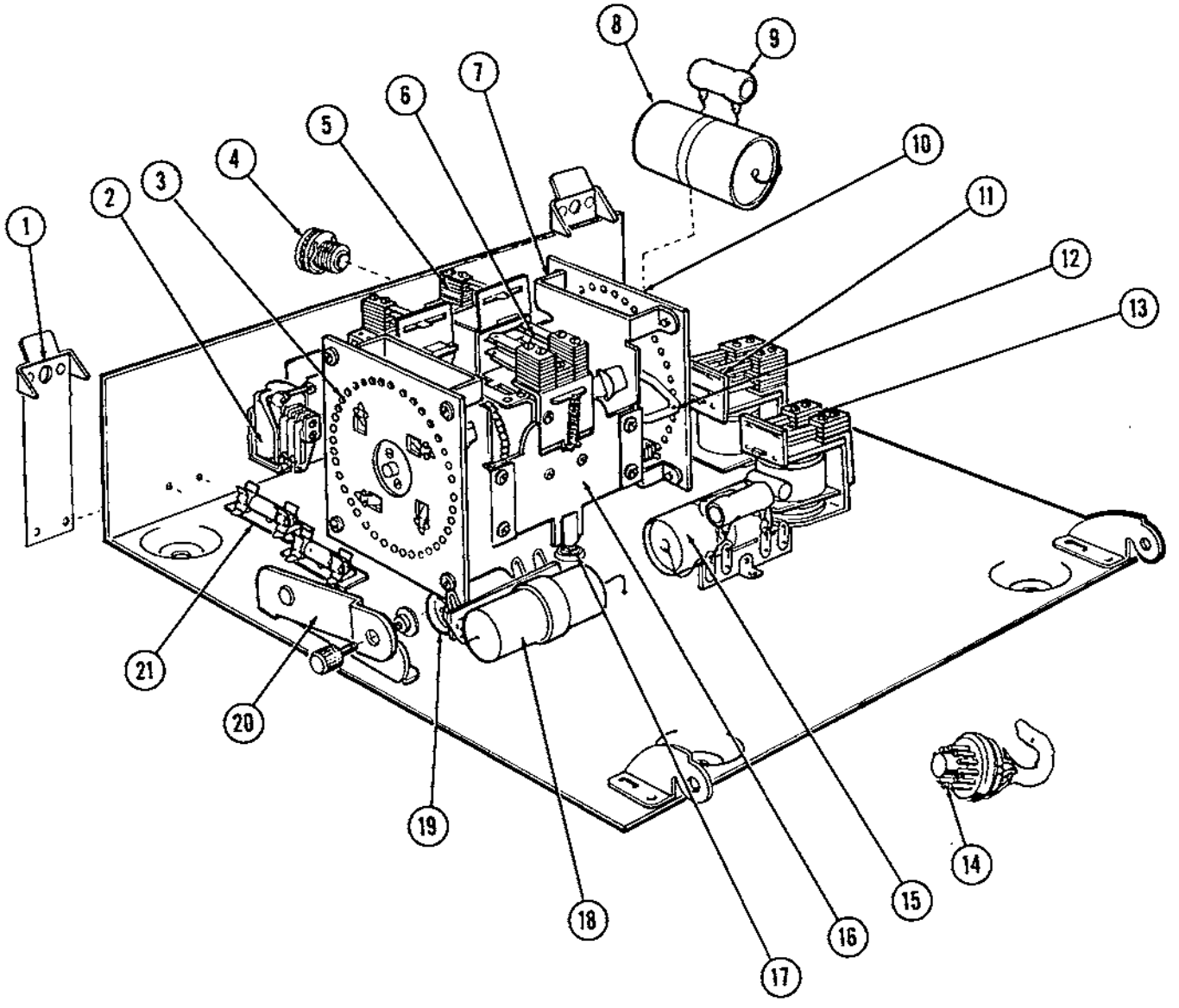

FIG. 92 MODEL 259-A STEPPER

1.	Spring and Clip Assembly (2)	115832
2.	Relay, Pulse	117048
	Contacts	117048-A
3.	Contact Plate Assy., 4 circuit	114528-F
	Contact Arm Assy., 4 circuit	114528-H
	Nylon Ratchet Wheel, 4 circuit Contact Arm	114346-C
	Frame, 4 circuit Contact Plate	114346-J
4.	Fustat, 3 ampere	61858
	Socket, Fustat	61857
5.	Step Magnet (2)	114346-B
	Pawl	114346-BA
	Armature	114346-BB
	Contact Assembly	114346-BC
6.	Relay, Release Latch	114346-A
	Armature and Pawl Spring	114346-AA
7.	Frame, 2 circuit Contact Plate	114346-K
8.	Capacitor, 250 mfd., 50 V.	71499
9.	Resistor, 25 ohms, 5 W. (3)	71887-2
10.	Contact Plate Assembly, 2 circuit	114528-E
11.	Relay, Transfer	118450
12.	Contact Arm Assembly, 2 circuit	114528-G
	Nylon Ratchet Wheel, 2 circuit Contact Arm	114346-D
13.	Relay, Timing	118447
14.	Plug, 11 prong (4)	54878
15.	Capacitor, 100 mfd., 50 V.	73862
16.	Stepper, Dual	114528
17.	Grommet (3)	60574
	Cup Washer (6)	60575
18.	Capacitor, .5 mfd., 400 V.	73099-240
19.	Capacitor, 4 mfd., 250 V.	73835-55
20.	Fall Support Assembly	115825
	Spacer	115831
	Thumb Screw	59280
21.	Fuse Clip (2)	46602
	Fuse 5/10 ampere Slow Blo	71591-6
	Fuse 8/10 ampere Slow Blo	71591-10

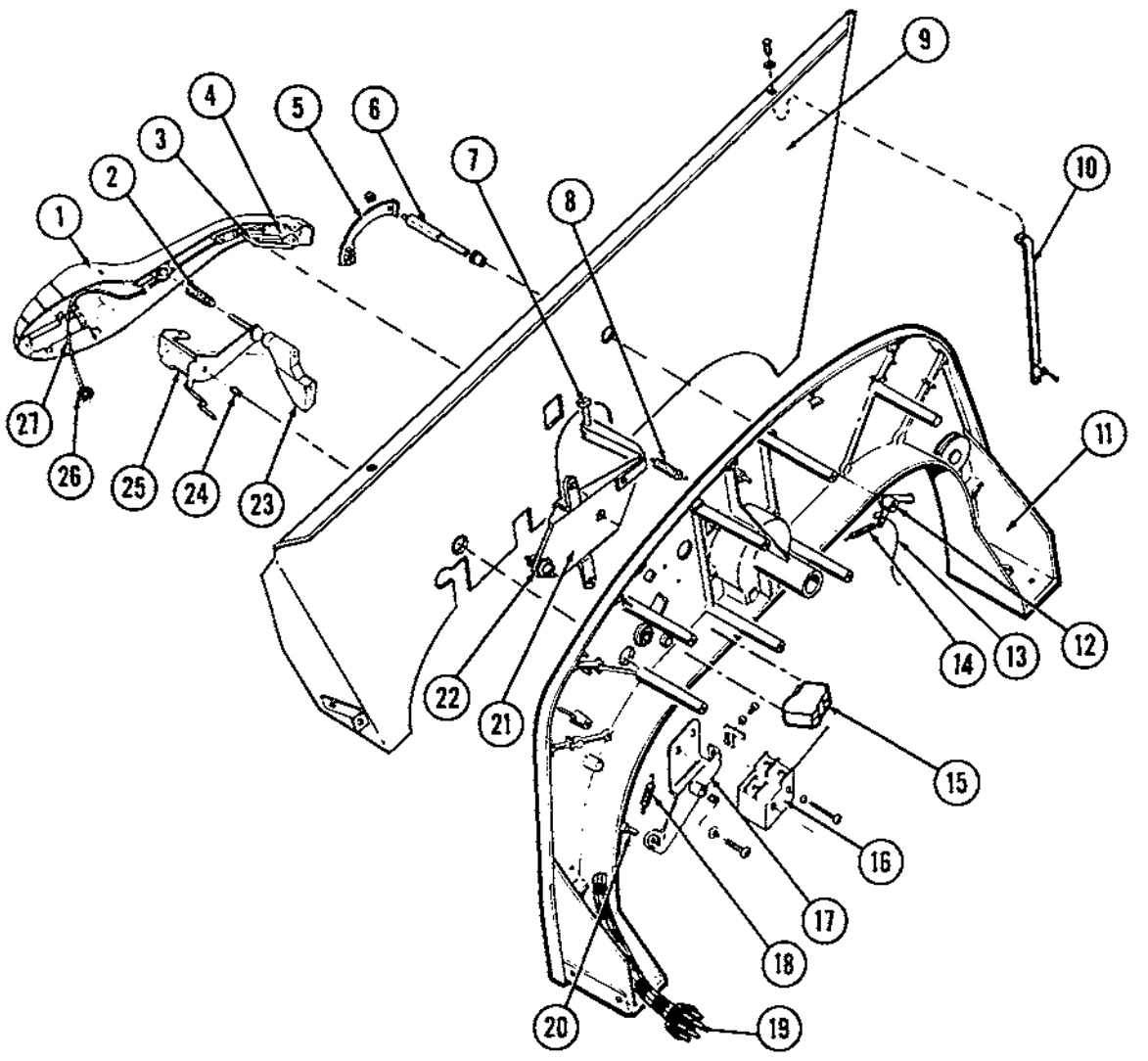

FIG. 93 TOP SUPPORT CASTING - 2600

1.	Tone Arm and Wire Assembly	120448
2.	Spring, Tone Arm Pressure	114484
	Spring Cup	121227
	Nut, Nylock, Adjusting	73865-8
3.	Latch Bracket	64423
4.	Cartridge, Sonotone	116725
	Needle, Double Sapphire Tip	116727
	Rubber Washer (4)	59351
	Washer (2)	50494
	Screw, 4-40 x 5/16" R.H. (2)	73503-24
5.	Arm, Needle Brush	120455
	Brush	119080
	Acorn Nut	50324
6.	Shaft, Needle Brush Arm	120438
7.	Stop Pin, Tone Arm	115660
8.	Spring, Tone Arm Release Bracket	65096
9.	Decorative Background	120440
10.	Bracket, Decorative Background, Upper (2)	120441
	Bracket, Lower (2)	120926
11.	Support Casting and Bushing Assy.	113199
12.	Hub and Lever Assy., Tone Arm Brush	59483
13.	Cable, Needle Brush	59888
	Sleeve, Needle Brush Cable	59881
14.	Spring, Needle Brush	59607
15.	Safety Switch, Micro	60655
	Insulator	59900
	Screw, 6-32 x 1" R.H.	73533-30
16.	Trip Switch, Micro	121229
	Screw, 6-32 x 7/8" R.H.	73533-29
17.	Bracket and Stop Nut Assy., Trip Switch	121249
	Bushing	59411
	Screw, 8-32 x 1-1/4" R.H.	73503-95
18.	Spring, Trip Switch Bracket	59615
19.	Plug, 6 prong	16607
20.	Screw, Trip Adjusting, 8-32 x 3/4" Hex Hd.	73793-86
21.	Bracket and Stop Nut Assy., Tone Arm Release	120435
22.	Adjusting Screw, Nylon, 8-32 x 3/4" R.H.	74288-26
23.	Mounting Casting and Pin Assy.	120452
24.	Pivot Screw	59394
25.	Gimbal and Stop Nut Assy.	120451
26.	Plug, 4 prong	69089
27.	Wire and Plug Assembly	114323
	Connector (3)	113325

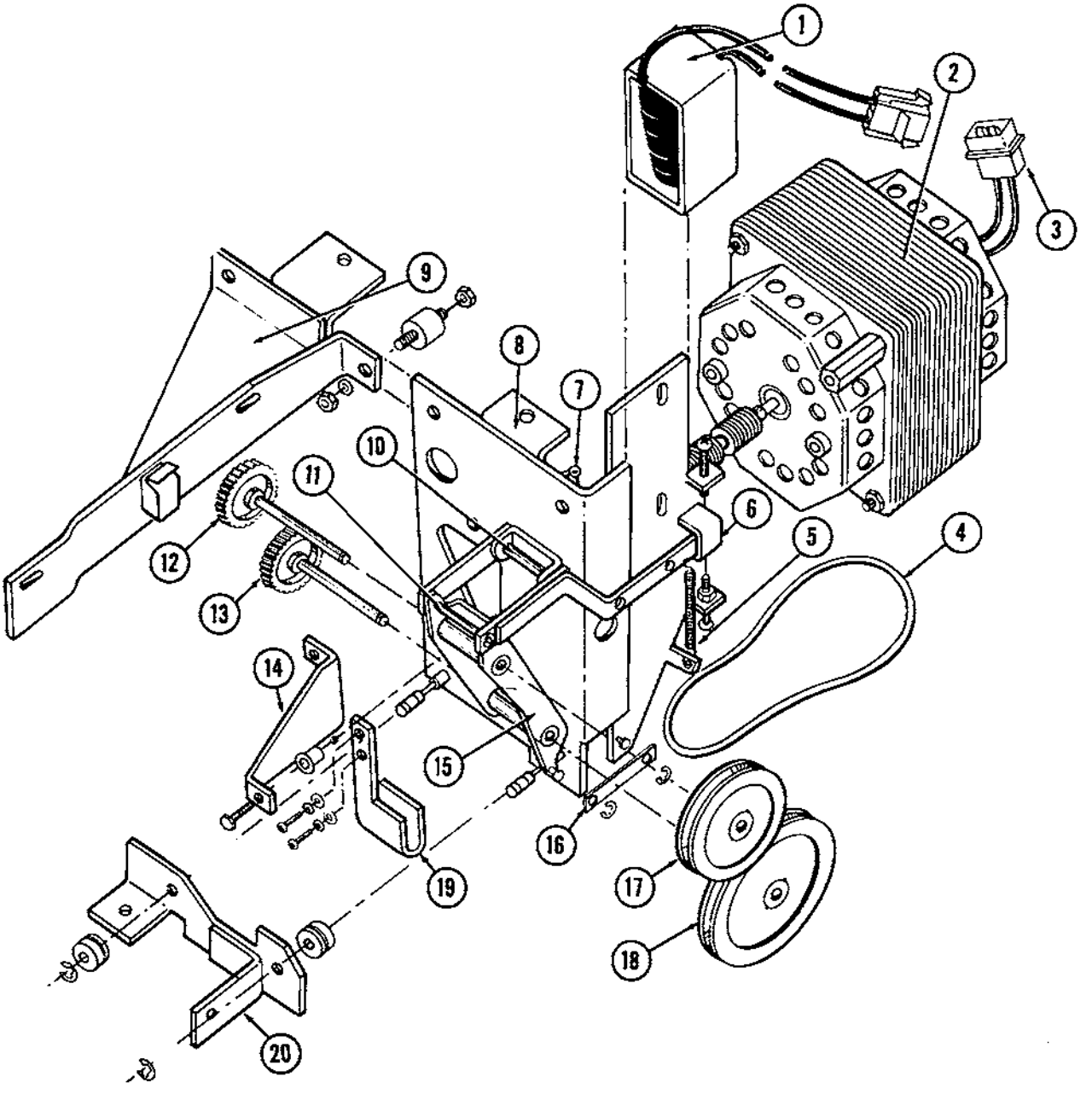

FIG. 94 TURNTABLE MOTOR AND MOUNTING BRACKET ASSEMBLY

1.	Solenoid	121095
	Plunger	121095-1
	Pin	121240
	Cotter	23355
2.	Motor and Worm Assembly	119790
3.	Cap, 3 circuit	117823
	Contact	113789
4.	"O" Ring, 33-1/3	119823
	"O" Ring, 45	119824
5.	Spring, Selector Lever	119842
6.	Selector Lever and Yoke Assembly	119795
7.	Oil Tube	119051
8.	Mounting Plate and Stop Nut Assembly	119788
9.	Upper Mounting Bracket	117794
	Rubber Mount (2)	60882
10.	Hinge Pin	119772
11.	Pivot Pin	119767
	Retaining Ring	73728-18
12.	Gear and Shaft Assy., R.H., 33-1/3 R.P.M.	119744
13.	Gear and Shaft Assy., L.H., 45 R.P.M.	119745
14.	Support Bracket and Stop Nut Assy.	121059
	Tip	119779
	Eyelet	120255
	Steel Ball	119829
	Screw, 8-32 x 3/4" Hex	73660-86
15.	Mounting Channel & Bushing Assy.	119792
16.	Link	119770
	Retaining Ring (2)	73728-12
17.	Pulley, 33-1/3	119751
18.	Pulley, 45	119750
	Shim Washer	119789
	Set Screw, 6-32 x 3/16"	73513-19
19.	Support Bracket	119769
20.	Lower Mounting Bracket & Angle Assy.	119758
	Grommet (2)	49884
	Retaining Ring	73724-25

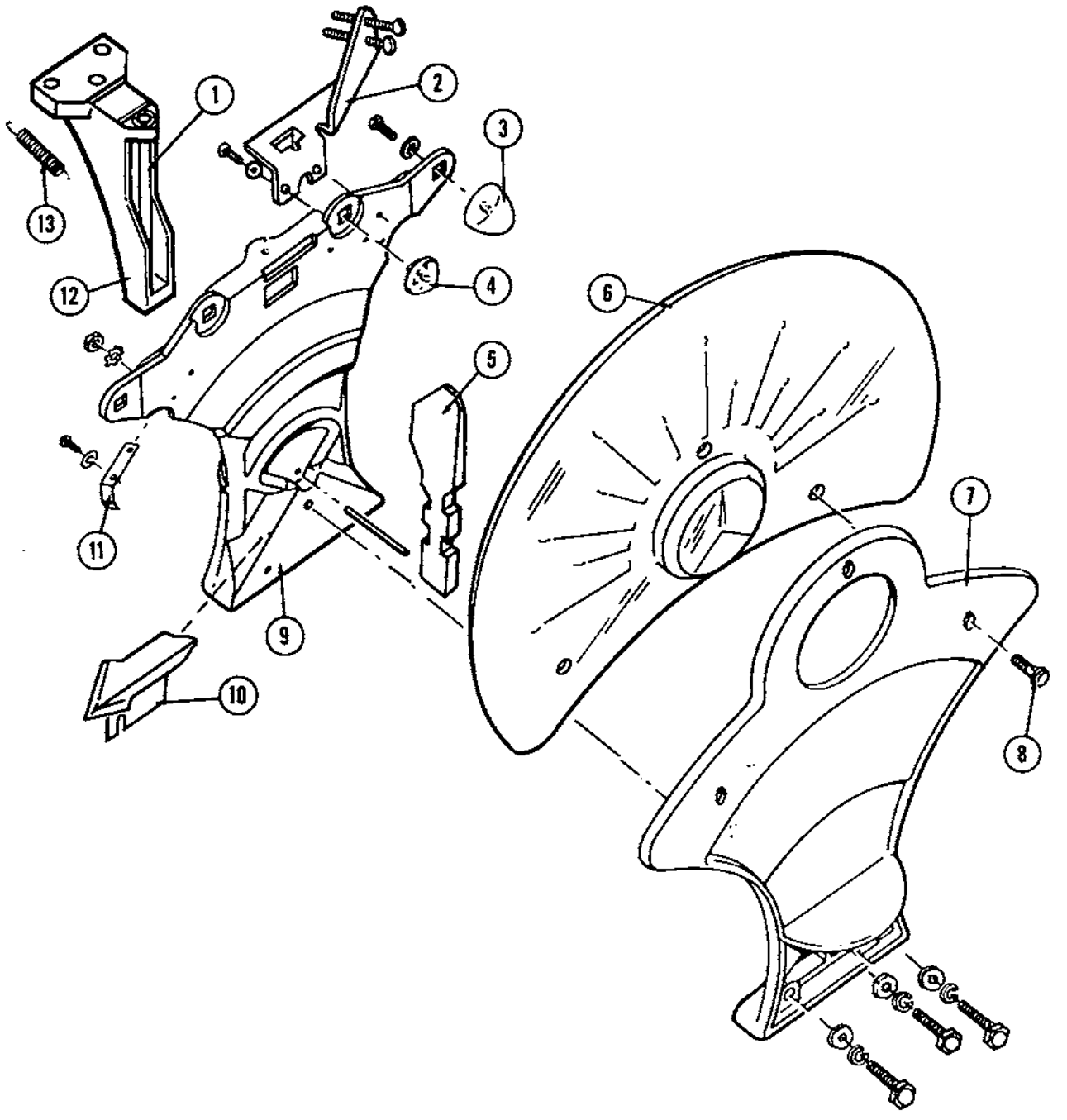

FIG. 95 RECORD GUIDE ASSEMBLY

1.	Shaft, Record Guide Pivot	59869
	Retaining Ring (2)	73724-18
2.	Bracket and Stop Nut Assembly	120445
	Screw, 6-32 x 1" R.H.	73656-74
	Screw, 6-32 x 1-3/8" R.H.	73800
3.	Bumper, Record Guide	117254
4.	Bumper, Record Guide	59396
5.	Track	59425
6.	Record Guide Plate	118332
7.	Casting, Record Guide, Front	120444
	Screw, 8-32 x 7/8" Hex Hd. (2)	73793-87
	(Cont. next column).	
	Screw, 10-32 x 1-1/8" Hex Hd.	73793-230
8.	Screw, 6-32 x 7/16", Truss Hd., Type 23	74335-22
9.	Casting, Record Guide, Rear	59467
	Groove Pin	59546
10.	Record Guide and Bracket Assy., L.H.	68376
	Record Guide & Bracket Assy., R. H.	68375
11.	Stop Bracket (2)	59434
	Screw, 4-40 x 5/16" R.H. (4)	73533-3
12.	Pivot Casting, Record Guide	59892
	Spring Pin	59908
13.	Spring, Record Guide Retracting	59606

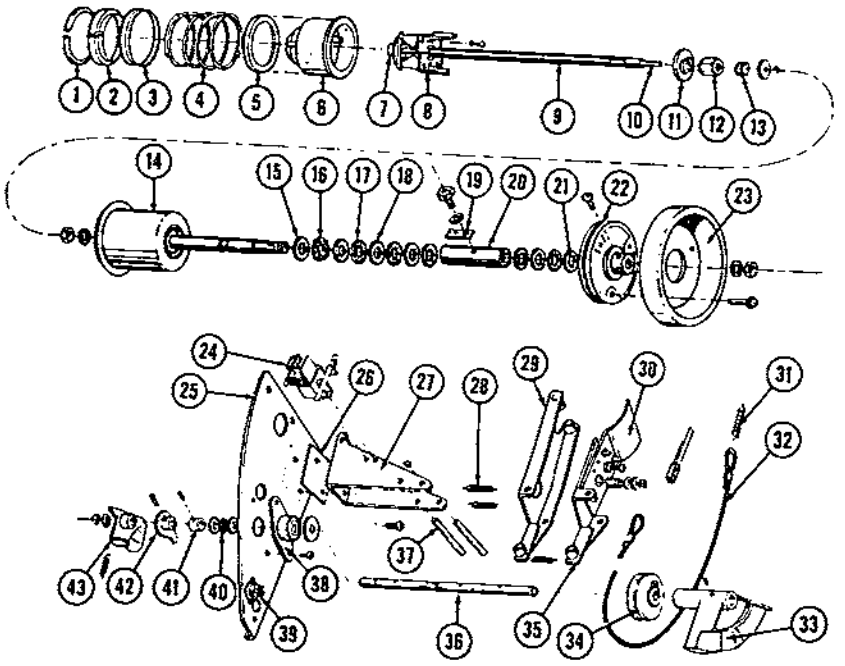

FIG. 96 TURNTABLE ASSEMBLY AND MOUNTING PLATE AND SHAFT ASSEMBLY

1.	Retaining Ring	60681
2.	Guide Washer, Turntable Pilot	119406
3.	Spring Guide	120172
4.	Spring, Turntable Pilot	119422
5.	Spring Guide	120254
6.	Pilot, Turntable	119410
7.	Cam, Clamp Lever	119409
	Retaining Ring	73724-12
8.	Plate and Arms Assembly	119439
	Spring, Record Lever	119424
	Retaining Ring	73724-12
9.	Tube, Turntable Pilot	119420
	Retaining Ring	73724-25
10.	Shaft, Turntable Pilot Clamp Lever	119413
11.	Adjusting Plate	121338
12.	Adjusting Nut	121337
13.	Spring, Clamp	119423
	Cup Washer	119414
	Retaining Ring	73724-12
14.	Turntable and Shaft Assembly	68102
15.	Thrust Washer (2)	59864
16.	Ball Race	59867
17.	Shim Washer, Fiber	63732
18.	Shim Washer, Steel	63731
19.	Clamping Plate	64512
	Screw, Turntable Sleeve	64513
20.	Sleeve and Bushing Assembly	64520
21.	Washer	56530
22.	Pulley, Turntable	64190
	Screw, Special	59399
23.	Flywheel, Turntable	59456
	Screw, 8-32 x 1/2 R.H. (3)	73533-38
24.	Solenoid Assembly, Interlock	119826
	Switch Assembly	119784
	Support Bracket and Spring Assy.	119793
25.	Mounting Plate and Socket Assembly	114258
26.	Shim	119445
27.	Pivot Bracket	119433
28.	Spring, Turntable Release Arm (2)	119426
29.	Turntable Release Arm Assembly	119441
30.	Actuating Arm Assembly	119450
	Spring, Cam Lever	119498
	Cup Washer	119432
	Retaining Ring	73724-18
	Screw, 8-32 x 5/8 R.H. Nylon	74288-25
	Spring	59710
	Switch Assembly	119845
31.	Spring, Turntable Cam	119425
32.	Cable, with one sleeve	59871-A
	Sleeve	59891
33.	Cam, Record Clamp	119429
	Roll Pin	73782-51
34.	Pulley	59415
	Roll Pin	73782-49
	Set Screw, 8-32 x 3/16	73511-29
35.	Cam Lever and Roller Assembly	119443
	Shaft	59400
	Retaining Ring	73728-25
36.	Shaft	59393
37.	Shaft	59400
	Retaining Ring	73728-25
38.	Plate and Ball Bearing Assembly	59911
39.	Socket, 4 prong	69090
40.	Ball Race	59679
	Washer (2)	59440
41.	Collar	119584
	Set Screw, 10-32 x 3/16	74339-39
42.	Arm and Hub Assy., Tone Arm Release	59406
	Roll Pin	73782-49
43.	Hub and Lever Assy., Tone Arm Release	59722
	Retaining Ring	73728-37
	Washer	59440
	Spring	59606

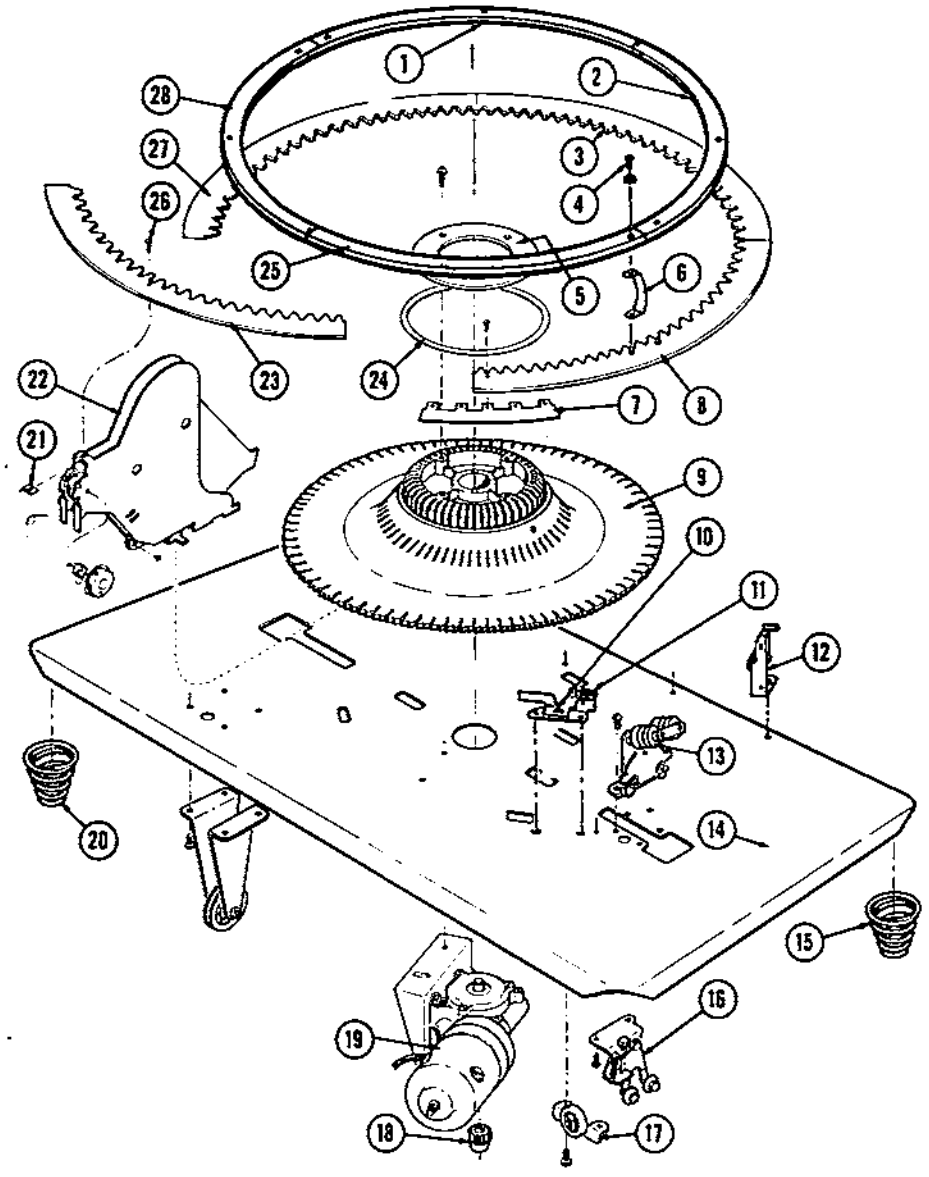

FIG. 97 RECORD CARRIER AND CHASSIS MOUNTING PLATE 2600

1.	Segment, Record Indicator Ring, H6-N5	118183
2.	Segment, Record Indicator Ring, C6-H5	118184
3.	Carrier Ring, Silk Screen Assy., L2-R1	114066
4.	Screw, 4-40 x 3/16" R.H. (10)	73533-1
5.	Clamp, Record Holder	59734
6.	Spacer (10)	118936
7.	Connecting Bracket (4)	65548
8.	Carrier Ring, Silk Screen Assy., F2-L1	114064
9.	Casting, Record Holder	115684
10.	Back Stop Pawl Assembly (2)	65890
11.	Spring, Back Stop Pawl	59710
	Bumper, Back Stop Pawl	54246
12.	Playmeter Reset Lever Assembly	113210
	Spring	59710
13.	Bracket, Roller Assy., Lift Arm Guide (2)	116837
	Roller	116833
	Retaining Ring	73724-25
14.	Chassis Mounting Plate Assembly	59827
15.	Conical Spring, Chassis Mount, Red Dot	53774
16.	Bracket and Roller Assy., L. H.	65885
	Bracket and Roller Assy., R. H.	65886
17.	Bracket and Roller Assy., (3)	59844
18.	Pinion Gear	116997
19.	Motor, Gear and Bracket Assy.	69066
	Roll Pin	73782-48
	Bracket, Motor Mounting	59570
	Stator, Field Winding	65623
	Armature Brush	57350
	Brush Cap	57349
	Steel Ball	25358
20.	Conical Spring, Chassis Mount, Yellow Dot	61059
21.	Nut, Tinnerman	73637-10
22.	Record Holder Assembly	65908
23.	Carrier Ring, Silk Screen Assy., A2-F1	114067
24.	Ring, Rubber Gasket	119824
25.	Segment, Record Indicator Ring, T6-C5	118185
26.	Screw, 4-40 x 3/8" R. H.	73503-25
27.	Carrier Ring Silk Screen Assy., R2-A1	114065
28.	Segment, Record Indicator Ring, N6-T5	118182

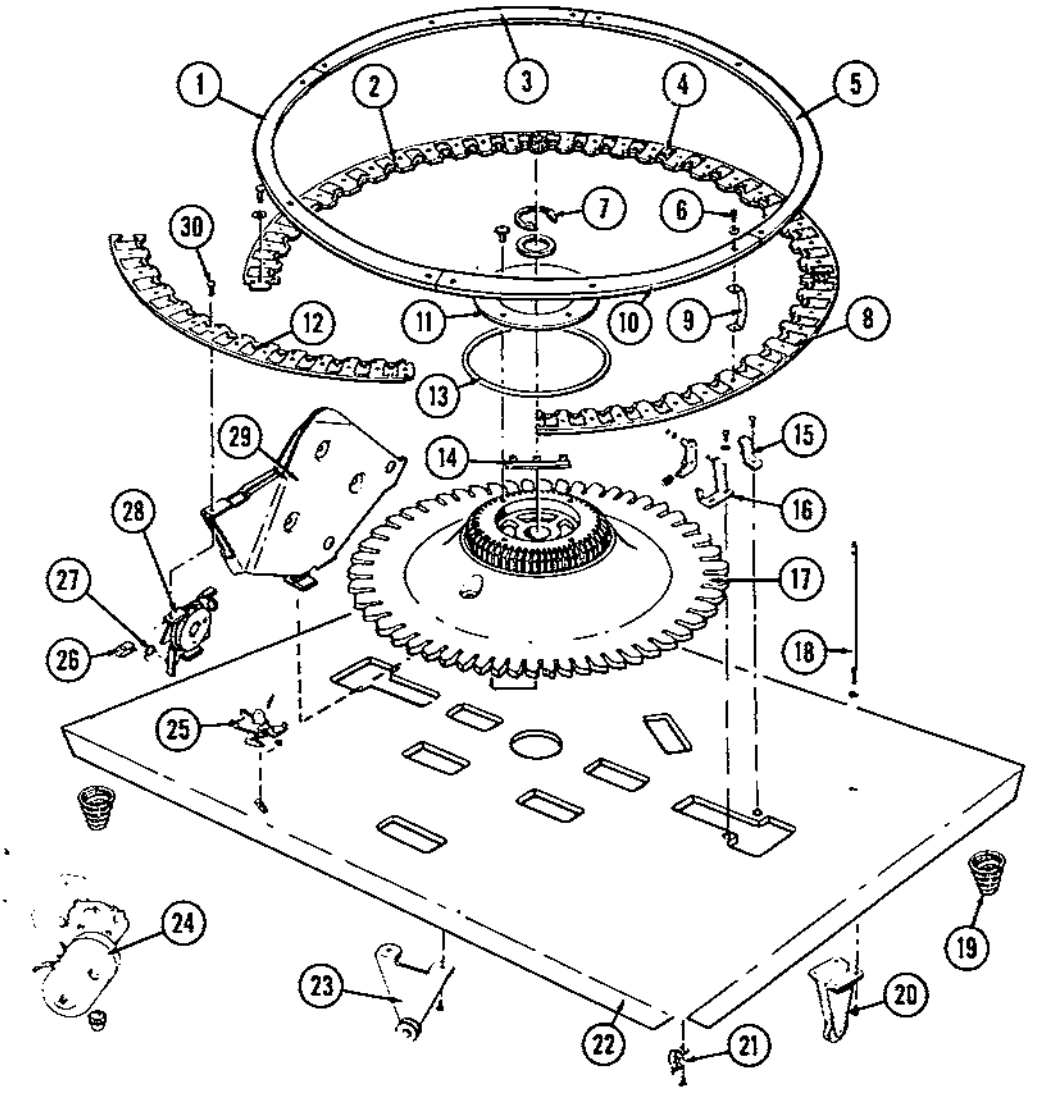

FIG. 98 RECORD CARRIER AND CHASSIS MOUNTING PLATE 2610

1.	Segment, Record Indicator Ring, J7-B1	118200
2.	Carrier Ring, Silk Screen Assy., C6-E0	113409
3.	Segment, Record Indicator Ring, G4-J8	118202
4.	Carrier Ring, Silk Screen Assy., F1-H5	113410
5.	Segment, Record Indicator Ring, D7-G1	118199
6.	Screw, 4-40 x 3/16" R. H.	73533-1
7.	Retaining Ring	73724-87
8.	Carrier Ring, Silk Screen Assy., H6-K0	113411
9.	Spacer (10)	118936
10.	Segment, Record Indicator Ring, B4-D8	118201
11.	Clamp, Record Holder	59734
12.	Carrier Ring and Silk Screen Assy., A1-C5	113408
13.	Ring, Rubber Gasket	119824
14.	Connecting Bracket (4)	113387
15.	Mounting Bracket and Roller Assy. (2)	59704
16.	Mounting Bracket and Roller Assy. (2)	60658
	Pivot Arm and Roller Assembly	60626
	Mounting Bracket and Pin Assy.	60657
	Retaining Ring	73724-15
	Spring	60677
17.	Casting, Record Holder	115750
18.	Bracer Rod	60519
19.	Conical Spring, Chassis Mount, Yellow Dot, Rear	61059
	Red Dot, Front	53774
20.	Mounting Bracket and Idler Pulley Assy.	61574
21.	Bracket and Roller Assembly (3)	59844
22.	Chassis Mounting Plate, Sub Assy.	59827
23.	Idler Pulley and Bracket Assembly	59719
24.	Motor, Gear and Bracket Assembly	69066
	Motor	65625
	Pinion Gear	116997
	Roll Pin	73782-48
	Mounting Bracket	59570
	Armature and Bearing Assembly	57318
	Armature Brush and Spring	57350
	Brush Cap	57349
	Steel Ball	25358
	Stator (Field Winding)	65623
25.	Back Stop Pawl Assembly (2)	65890
	Spring	59710
	Bumper	54246
26.	Tinnerman Nut	73637-10
27.	Pawl Spring	59901
28.	Record Play Counter and Nut (38)	59859
	Record Play Counter (12)	113687
	Torsion Spring, Play Counter	59580
29.	Record Holder Assembly (50)	59601
30.	Screw, 4-40 x 3/8" R.H. (50)	73503-25

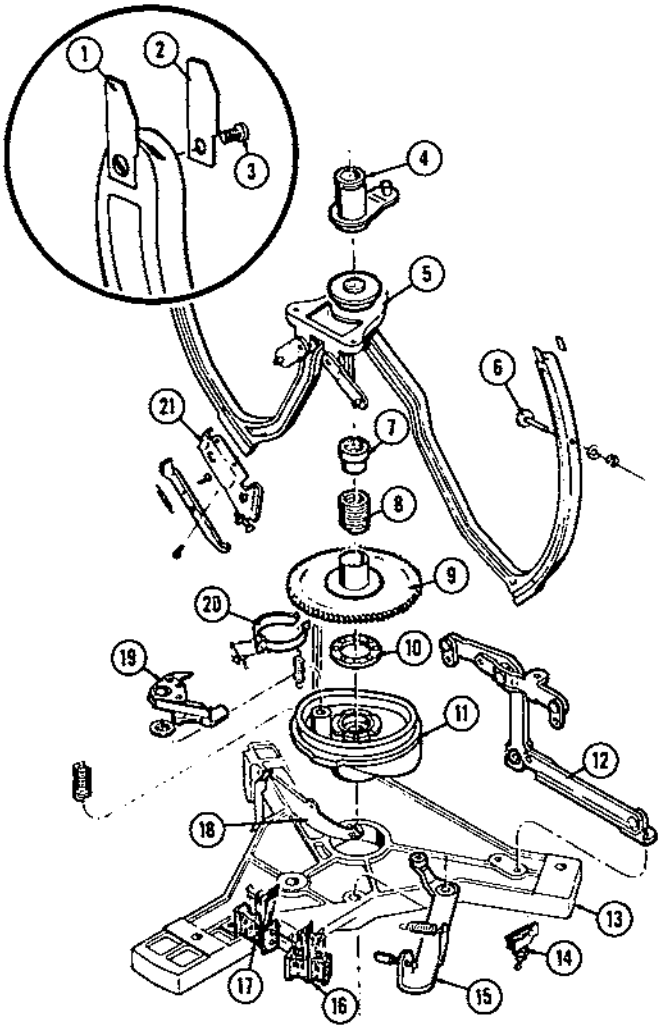

FIG. 99 RECORD CHANGER 2610

1.	Guide Tip, L. H. (2)	60711
2.	Guide Tip, R. H. (2)	61484
3.	Screw, 2-56 x 3/16" F. H.	73586-2
	Lock Washer, #2 Countersunk	73606-1
4.	Arm and Rivet Assembly	115668
5.	Pivot Casting and Arm Assembly	120384
	Record Actuator Arm, Shaft Assy., L.H.	59634
	Record Actuator Arm, Shaft Assy., R.H.	59633
	Spring, Record Arm Lifter	59697
	Roll Pin (6)	73782-49
6.	Roller, Record Lift Arm	120383
	Washer	53519
	Retaining Ring	73724-12
7.	Hub, Selector Drive Clutch	118254
8.	Spring, Drive Clutch	59584
9.	Gear and Ratchet Wheel Assembly	116986
10.	Ball Race	59637
	Washer (2)	59641
	Retaining Ring	73727-112
	Oil Guard (Flanged Washer)	66580
11.	Main Cam and Bushing Assembly	62792
12.	Link and Lever Assembly, Record Arm	59599
	Retaining Ring	73728-31
	Retaining Ring (2)	73728-25
	Ball Bearing	60991
13.	Chassis Frame Casting and Shaft Assy.	115856
14.	Toggle Switch, Record Loading S.P.S.T.	119785
15.	Actuator Arm Assy., Mute and Play Switch	62761
	Actuator Arm Assy., Transfer Switch	113299
	Actuator	58255
	Lever Assembly, Record Clamp	59688
	Stop Bracket	120283
16.	Mute and Play Switch and Bracket Assy.	65170
	Over-Center Spring	65170-1
	Fiber	65170-A
17.	Transfer Switch and Bracket Assembly	59569
	Over-Center Spring, Stainless Steel	59569-2
18.	Cancel Lever, Hub and Roller Assy.	59513
	Cancel Casting	59631
	Roll Pin	73782-66
	Roll Pin	73782-70
	Cancel Lever Return Spring	65809
	Spring, Cancel	110934
19.	Pawl Assembly	59537
20.	Strap and Spring Assy., Friction Drive	59626
	Spring	59612
21.	Bracket and Nut Assembly	113216
	Spring	59894
	Lever, Record Play Counter	59706

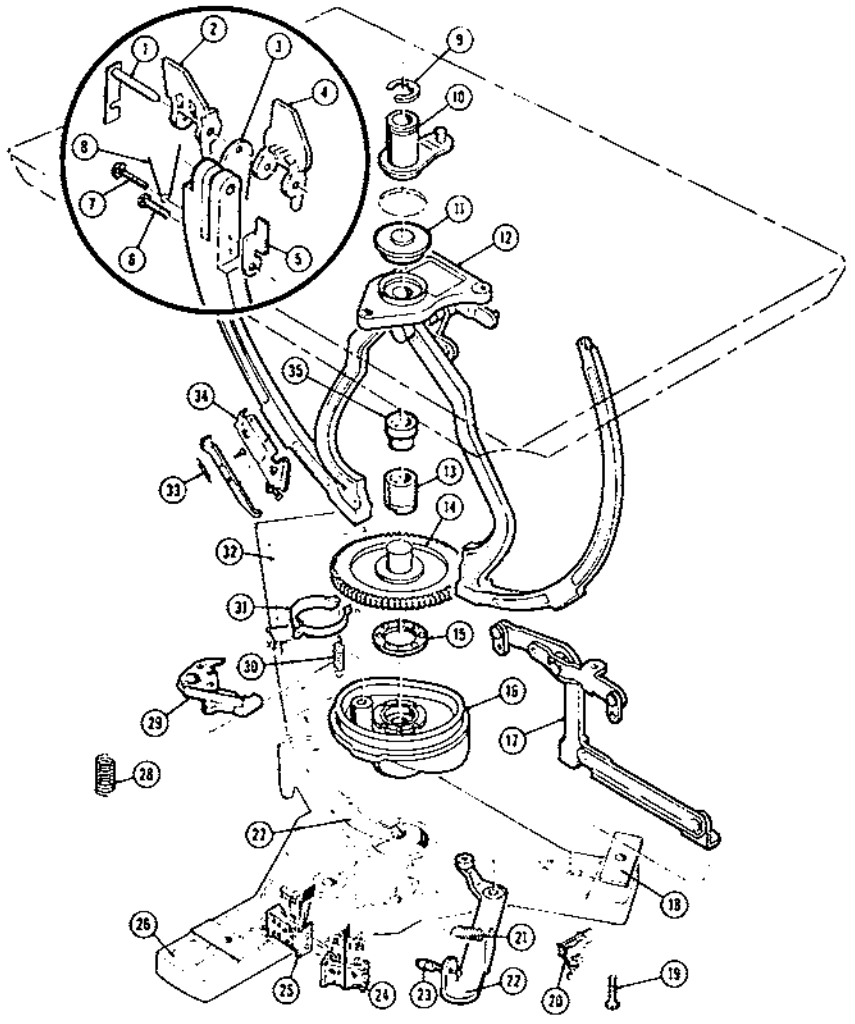

FIG. 100 RECORD CHANGER - 2600

1.	Plate and Pin Assembly	117252	
2.	Guide Tip, L.H.	65731	
3.	Guide Plate	68290	
4.	Guide Tip, R.H.	65730	
5.	Stop, Guide Tip	65526	
6.	Screw, 4-40 x 5/8 R.H. Sems	73533-7	
7.	Screw, 3-48 x 7/16 R.H. Sems	73533-105	
8.	Spring, Guide Tips	65812	
9.	Retaining Ring	73724-87	
10.	Arm and Rivet Assembly	115668	
	Roll Pin	73782-85	
11.	Ball Bearing	59654	
12.	Pivot Casting and Arm Assembly	113204	
13.	Spring, Drive Clutch	59584	
	Washer, Guard	110077	
	Felt Washer (2)	59655	
	Washer (2)	59647	
14.	Gear and Ratchet Wheel Assembly	116986	
15.	Ball Race	59637	
	Washer	59641	
	Retaining Ring	73727-112	
	Oil Guard	66580	
16.	Main Cam and Bushing Assembly	62792	
17.	Link and Lever Assem., Record Arm	59599	
18.	Tapping Plate (2)	68521	
19.	Screw, 1/4-20 x 1 Hex Hd.	73793-150	
20.	Toggle Switch, Record Loading S.P.S.T.	119785	
21.	Spring, Mute and Play Switch Actuator	62773	
22.	Actuator Arm Assy., Mute & Play Switch	62761	
23.	Actuator (2)	58255	
24.	Mute and Play Switch and Bracket Assem.	65170	
	Over Center Spring	65170-1	
25.	Transfer Switch and Bracket Assembly	59569	
	Over Center Spring, Stainless Steel	59569-2	
26.	Chassis Frame and Shaft Assembly	116023	
27.	Cancel Lever, Hub and Roller Assem.	59513	
	Spring, Cancel	110934	
28.	Spring, Cancel Arm Return	65809	
29.	Pawl Assembly	59537	
30.	Spring, Strap and Spring Assembly	59612	
31.	Strap & Spring Assy., Friction Drive Pawl	59626	
32.	Support Casting, R.H.	67928	
	Support Casting, L.H.	68700	
33.	Spring, Play Meter Actuating Arm	59894	
34.	Bracket and Stop Nut Assembly	113205	
35.	Hub, Selector Drive Clutch	118254	
	Roll Pin	73782-88	

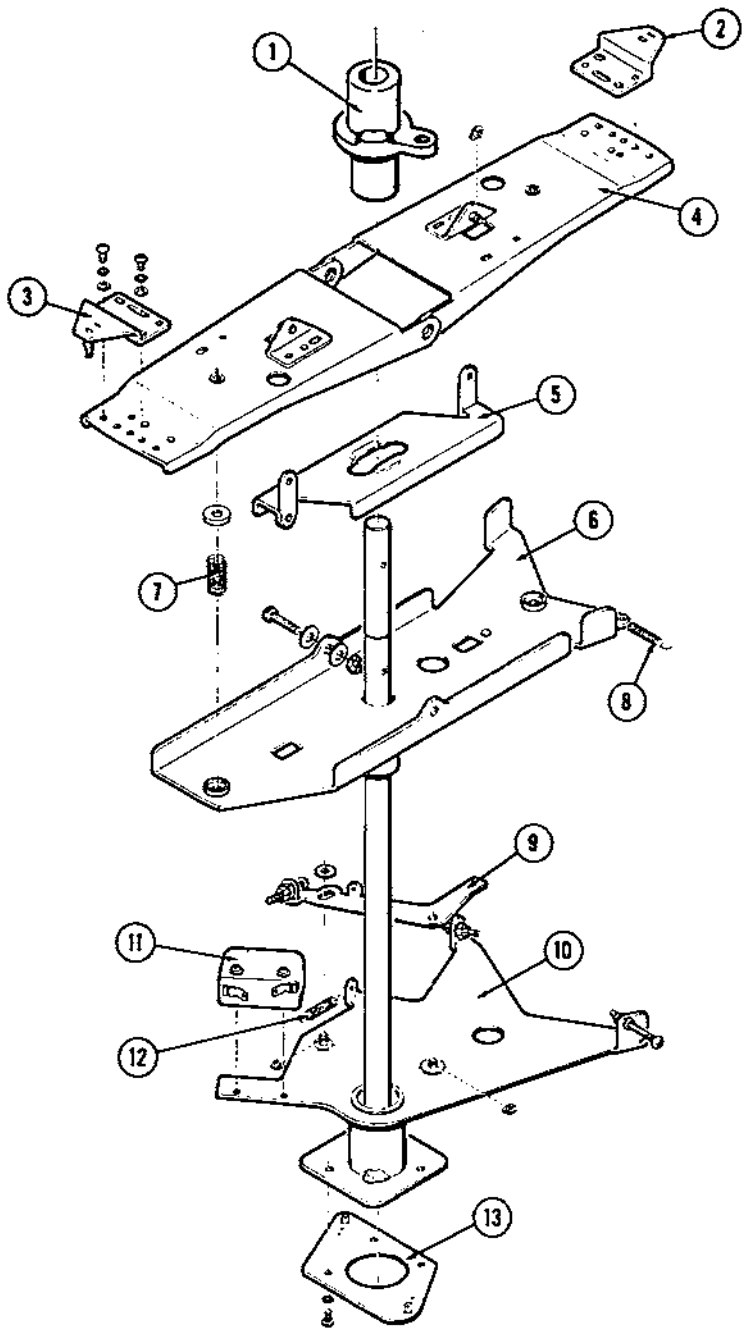

FIG. 101 SELECTOR CRANK AND SHAFT ASSEMBLY

	2600	2610
1. Sleeve and Bushing Assembly	68483	115772
2. Tip and Mounting Bracket Assembly, Inner	110936	116733
3. Tip and Mounting Bracket Assembly, Outer	110930	116732
4. Selector Crank and Bracket Assembly (2)	110944	115770
5. Actuator Arm and Link Assembly	110939	115767
6. Mounting Plate and Bushing Assembly	110946	115761
7. Spring, Selector Crank (2)	65809	65809
8. Spring, Kickoff	110480	59613
9. Switch Lever and Stop Nut Assembly	110937	115765
10. Selector Shaft Assembly	115669	115752
11. Micro Switch	60655	60655
12. Spring, Switch Lever	68774	68774
13. Contact Plate Assembly	68582	115769

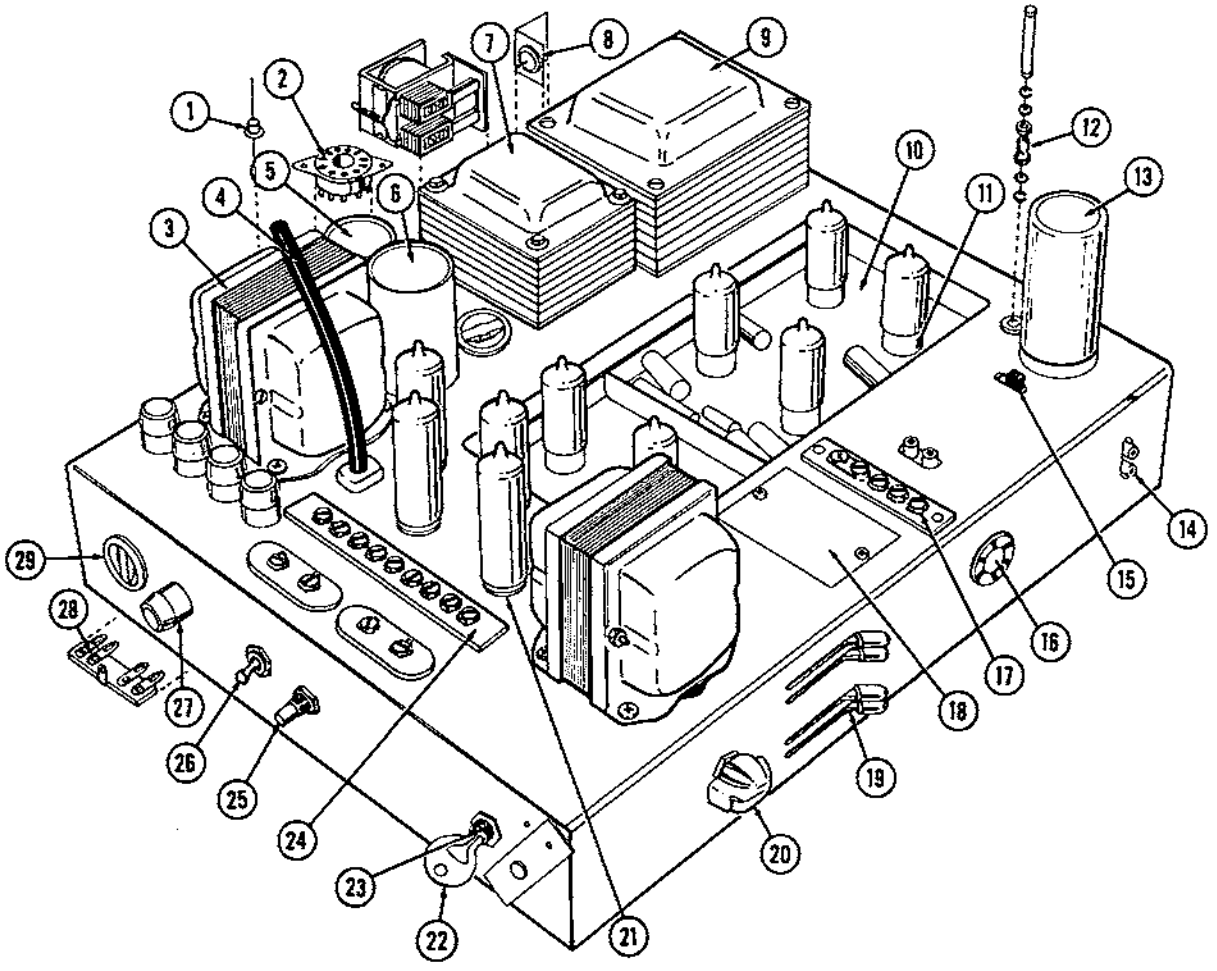

FIG. 102 MODEL 543 AMPLIFIER

1.	Silicon Diode Rectifier, 500 P.I.V.	71588-6
	Silicon Diode Rectifier, 50 P.I.V.	71588-12
2.	Socket, 11 Prong	38492
3.	Transformer, Audio (2)	120691
4.	Line Cord	67464
	Strain Relief	71878-6
5.	Capacitor, Electrolytic, 100-20 mfd.	71594
6.	Capacitor, Electrolytic, 100 mfd.	71595
7.	Transformer, Amplifier	116645
8.	Silicon Diode Rectifier & Mounting Bracket (2)	120696
9.	Transformer, Low Voltage	120689
10.	Printed Board Assembly	120701
11.	Socket, 9 Pin	64920
12.	Isolator (4)	15137
	Stud	66378
	Washer	53638
	Retaining Ring	73724-18
13.	Capacitor, Electrolytic, 30-20-20-25 mfd.	73475
14.	Receptacle, Input	113420
15.	Slide Switch	116724
16.	Socket, 6 prong	32881
17.	Terminal Strip and Link Assembly	121260
18.	Cover, Motor	120719
19.	Switch, Tone Control	120706
	Tip, Actuator, Red	120692
	Tip, Actuator, Black	110595
20.	Balance Control, Potentiometer	114463
	Knob, Black	20263
21.	Socket, 9 Pin	58425
22.	Key, Loudness Control	984
23.	Loudness Control	120699
24.	Terminal Strip, 9 Screw	63604
25.	Switch, Cancel	68770
26.	Switch, Line	121301
27.	Fuse Post	51485
	Fuse, 15 Ampere	71590-48
	Fuse, 5 Ampere	71590-27
	Fuse, 8 Ampere	71590-33
	Fuse, 1.6 Ampere Slow Blo	71591-15
28.	Insulated Terminal Strip - 4 lug	24277
	Insulated Terminal Strip - 2 lug	20156
	Insulated Terminal Strip	18831
	Insulated Terminal Strip - 1 lug	20269
	Insulated Terminal Strip - 1 lug	23027
	Insulated Terminal Strip, 2 Screw	24558
29.	Receptacle, 2 pole	13037

TUBE LIST

12AX7-A (2)	58427
12AU7-A (2)	58420
7199 (2)	115555
6973 (4)	114048

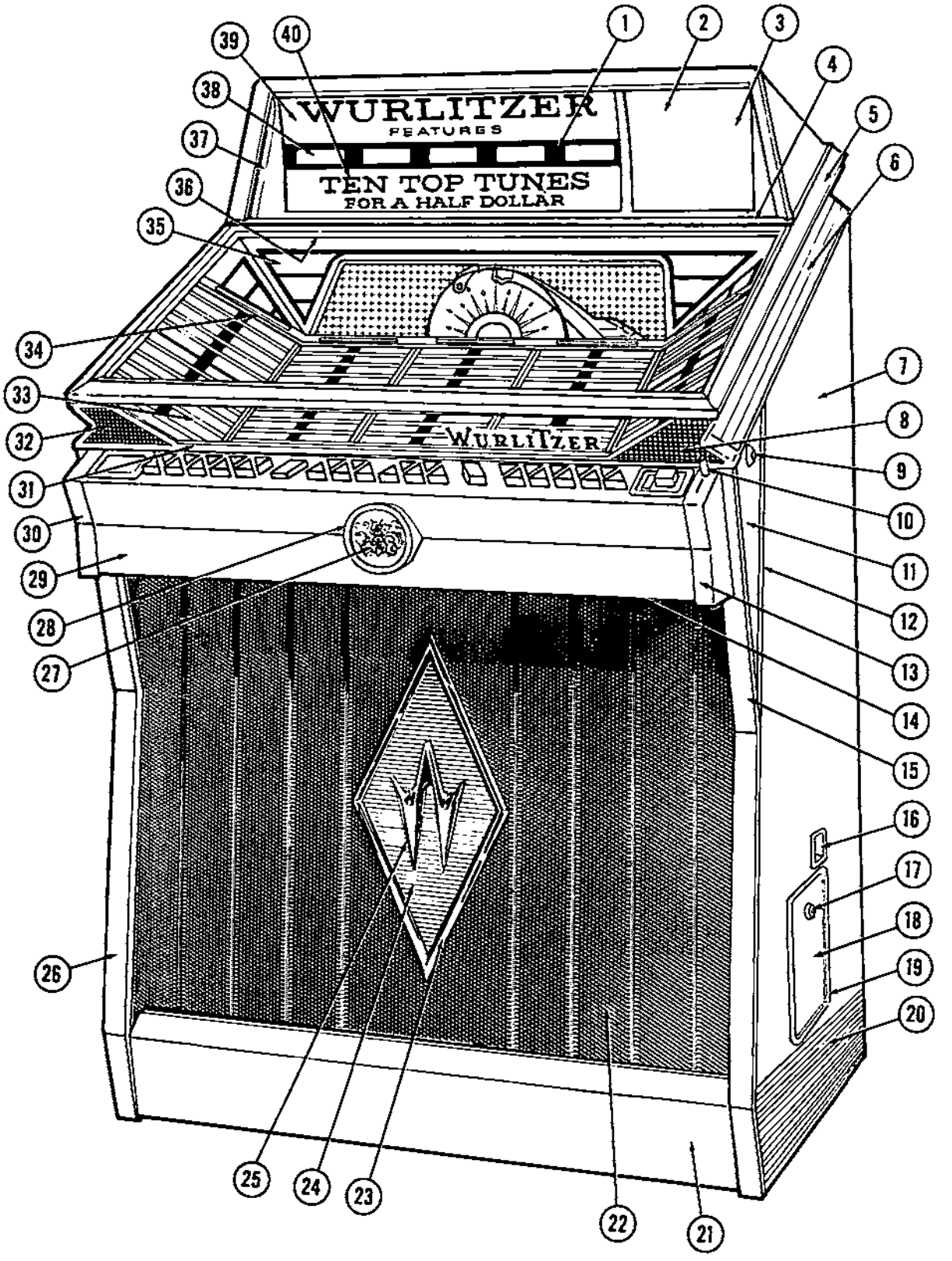

FIG. 103. TRIM AND MOUNTING - FRONT VIEW - 2600

FIG. 103 TRIM AND MOUNTING - FRONT VIEW

1.	Label, A1-K1, Program Numbers	120475
	Label, A1-A0, Program Numbers	120476
	Label, Letters, Dome Display	121280
	Covers, Program Slip Transparent Yellow	119812
	Decal, Top Tunes	121402
	Label, Record Cover	121485
2.	Glass, Canopy, Flat, Clear	120744
	Gasket, Canopy Glass, 42-1/2"	120873
3.	Decorative Glass, Canopy	120881
	Gasket, Top Canopy Glass	120885
	Guide, Display Card	121268
	Backing Plate & Pad Assembly	120896
	Pin	120957
	Retaining Ring	73724-12
4.	Extrusion, Canopy Bottom	120429
	Gasket, Canopy Glass, Bottom, 30-5/8"	120874
5.	Extrusion, Door Frame	120432
6.	Extrusion Wing, R. H.	120508
	Extrusion Wing, L.H.	120507
7.	Di-Noc Side, Left or Right	120427-A
	Welding Solution	A-1171
8.	Front Casting, R. H.	120425
9.	Lock Assembly, Dome (2)	120718
	Actuator and Pin Assy., R. H.	120712
	Actuator and Pin Assy., L. H.	120667
	Bracket and Screw Assy., Locking Strike Pivot, R.	120771
	Bracket and Screw Assy., Locking Strike Pivot, L.	120772
	Locking Lever and Strike Assy., R.H.	120852
	Locking Lever and Strike Assy., L.H.	120854
10.	Reject Button and Bracket Assembly	120600
	Retaining Ring	73728-37
11.	Overlay, R. H.	120781
	Overlay, L. H.	120780
12.	Extrusion, Overlay, R. H.	120778
	Extrusion, Overlay, L. H.	120779
	Speed Nut	74441-4
13.	Cheek Casting, R. H.	120517
	Coin Entry Chute Assembly	120650
	Thumb Screw, Selector Casting	111999
14.	Light Diffuser Assembly	120947
	Grille Plate and Clip Assembly	120617
	Clamp, Light Diffuser	121216
15.	Extrusion, Right Side	120422
16.	Coin Return Cup Casting	68192
	Anti-Cheat Guard and Bracket Assy.	118405
	(Cont. next column)	
17.	Lock and Key Assembly	118412
18.	Coin Box Door	120484
19.	Frame, Cash Box Door	120482
20.	Kick Plate, R. H.	120418
	Kick Plate, L. H.	120417
21.	Kick Plate, Front	120423
22.	Grill Screen	120420
23.	Frame, "W" Casting	120927
24.	Background, "W" Casting	120928
25.	"W" Casting, Front Grille	120424
26.	Extrusion, Left Side	120421
27.	Medallion	120515
28.	Medallion Casting	120514
29.	Front Panel	120628
30.	Cheek Casting, L. H.	120518
31.	Extrusion, Lower Front Glass	120419
32.	Front Casting, L. H.	120426
33.	Front Glass and Silk Screen Assy.,	120576
	Gasket, 32-1/4"	120875
	Gasket, 31-1/4"	120877
	Glass Clamp, R. H.	120639
	Glass Clamp, L. H.	120640
	Retainer, Front Glass	120578
34.	Door Glass, Dome	120575
	Gasket, 32-1/4" (2)	120875
	Gasket, 18-3/8" (2)	120876
	Glass Clamp and Brace Assy., R.H.	120680
	Glass Clamp and Brace Assy., L.H.	120679
35.	Light Diffuser and Stiffener Assy.	121340
36.	Diffuser, Canopy	120653
37.	Moulding, L. H., Plastic Extrusion	120884
	Moulding, R. H. Plastic Extrusion	120883
38.	Retainer and Bracket Assembly	120893
	Mounting Bracket & Spring Catch Assy., R. H.	120903
	Mounting Bracket & Spring Catch Assy., L. H.	120907
39.	Display Card, Upper, Blue	120901
	Wurlitzer Features - front	
	Features - back	
	Display Card, Upper, Red	
	Wurlitzer Features - front	121203
	Features - back	
40.	Display Card, Lower, Blue	120902
	Music of the Week - front	
	Ten Top Tunes for a Half Dollar - back	
	Display Card, Lower, Red	121202
	The Best in Music on 33 and 45 R.P.M. - front	
	Ten Top Tunes for a Half Dollar - back	
	Display Card, Lower, Blue	121029-S
	The Best in Music on 33 and 45 R.P.M.	
	Insert, Program Slip Retainer	121208

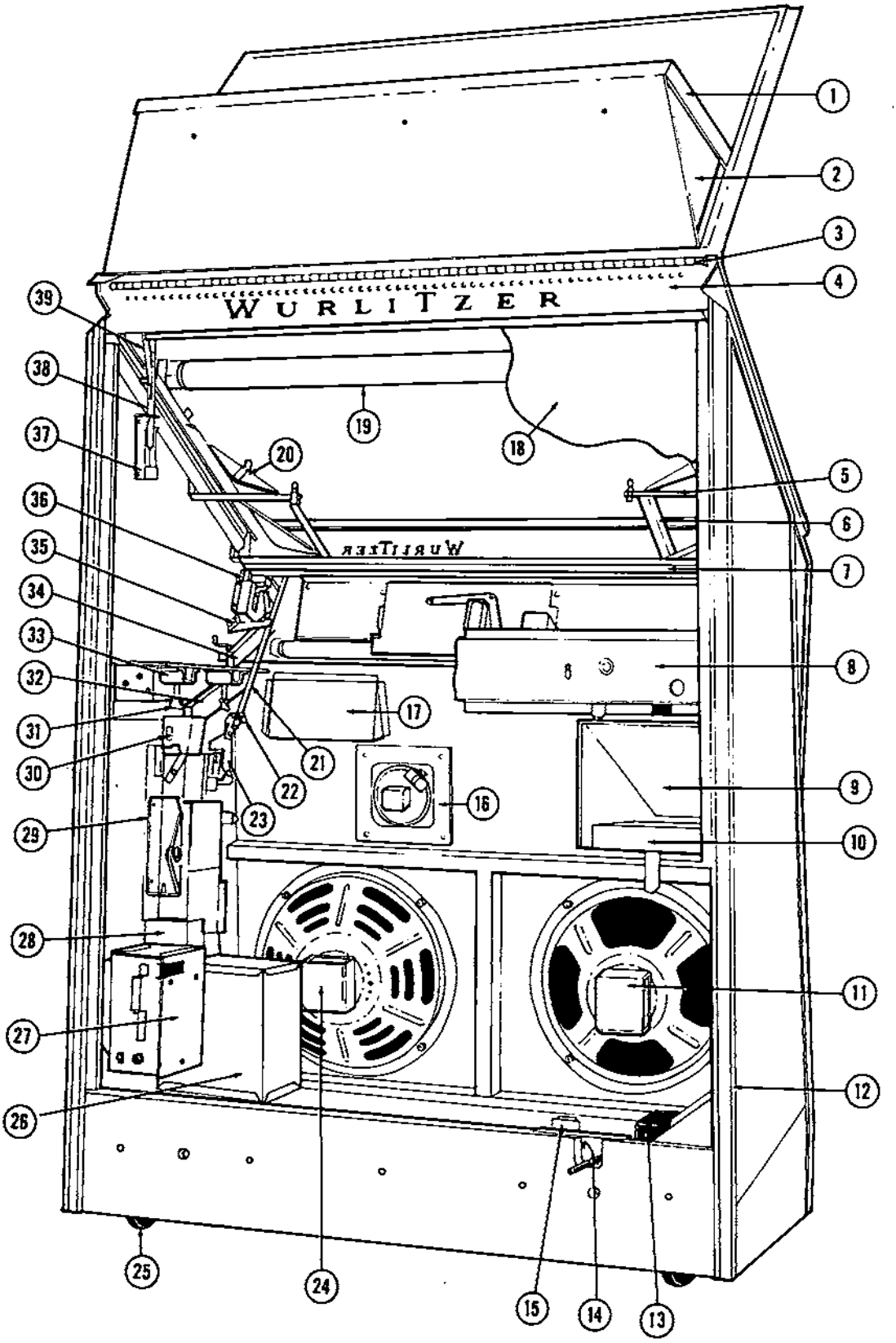

FIG. 104. TRIM AND MOUNTING - BACK VIEW - 2600

FIG. 104 TRIM AND MOUNTING - BACK VIEW - 2600

1.	Extrusion, Canopy Frame	120457
	Spring Clip - Canopy	121264
	Screw, 4-40 x 3/8" Truss Hd. Nickel Plate	73787-25
	Nut, Nylock 4-40	73865-1
	Mounting Bracket and Spring Catch Assy., R. H.	120903
	Mounting Bracket and Spring Catch Assy., L. H.	120907
2.	Canopy	120428
3.	Hinge, Dome	120632
4.	Cross Rail and Silk Screen Assy.	120627
5.	Support Bracket, Program Holder, L.H.	120636
	Support Bracket, Program Holder, R. H.	120634
	Spring Clip	118618
6.	Pivot Support, Program Holder, L.H.	120710
	Pivot Support, Program Holder, R. H.	120709
7.	Mounting Channel, Program Holder	120633
8.	Back Rail Assembly	120462
9.	Heat Shield	118529
	Trimount Stud	73866-1
	Speed Clip, Cable Clip	112222
10.	Support Bracket Assembly	116740
11.	Speaker, 12", P. M., 8 ohms	119743
12.	Extrusion, Back Rub Rail, L. H.	120510
	Extrusion, Back Rub Rail, R. H.	120509
13.	Light Ballast, Dual 25 Watt	111566
	Grommet	49884
	Socket, 2 prong	112188
	Shell	111798
14.	Cable Retainer	118645
	Wing Nut	23228
15.	Clamp, Junction Box	49932
	Thumb Screw	49935
16.	Mounting Plate, 3-1/3" Speaker	120577
	Speaker, 3-1/2", P.M., 3-1/2 ohms	120770
	Capacitor, 2 mfd., 25 V., N. P.	74147
17.	Light Shield, Baffle Board	121211
18.	Upper Back Door Assembly	120645
	Screw, 1-8 R. H. (4)	73592-24
	Lower Back Door Assembly	120486
	Lock Assembly	118629
	RW 95 Key	118633
	(Cont. next column)	
19.	Fluorescent Lamp, 25 Watt, 30"	110965
	Socket, Fluorescent Lamp	53673
	Fluorescent Starting Switch	57365
	Socket, Fluorescent Lamp Starter	53674
20.	Mounting Bracket, Side Program Holder, L. H.	118612
	Mounting Bracket, Side Program Holder, R. H.	118611
	Spring Clip	118618
21.	Reject Rod	120588
	Spring, Reject Rod	68936
	Retaining Ring	73724-25
22.	Lever and Bracket Assembly	120799
23.	Pin and Actuator Assembly	120964
	Shaft	68300
	Retaining Ring	73724-25
	Spring, Return Reject Button	119025
24.	Speaker, 12", P.M., 16 ohms	120777
25.	Caster	69569
	Caster Socket	69570
26.	Coin Bag Housing Assembly	113285
	Coin Bag	62670
27.	Cover Assy., Coin Register Mechanism	112070
28.	Coin Hopper Assembly	118406
29.	Mounting Plate and Spring Catch Assy.	120960
30.	Lower Coin Chute Assy. Complete	68552
31.	Wing Head Bolt	59832
32.	Coin Chute Assembly, Lower	120584
	Guard-Coin Chute	121426
33.	Mounting Rail and Bracket Assy., Chassis Mounting, R. H.	116329
	Mounting Rail and Bracket Assy., Chassis Mounting, L. H.	116330
34.	Coin Chute Assembly, Upper	120580
35.	Guide Bracket, Reject Rod	120615
36.	Yoke and Rivet Assembly	120603
	Screw, 10-32 x 1-1/2" Socket Hd.	73571-22
	Bracket, Reject Rod Pivot Support	120608
37.	Spring and Bracket Assembly, R. H.	120803
	Spring and Bracket Assy., L. H.	120802
38.	Fall Support Assembly, R.	120797
	Fall Support Assembly, L.	120798
39.	Release Rod, Fall Support	120786
	Trip Lever Assembly, R. H.	120792
	Trip Lever Assembly, L. H.	120793
	Roll Pin	73782-49

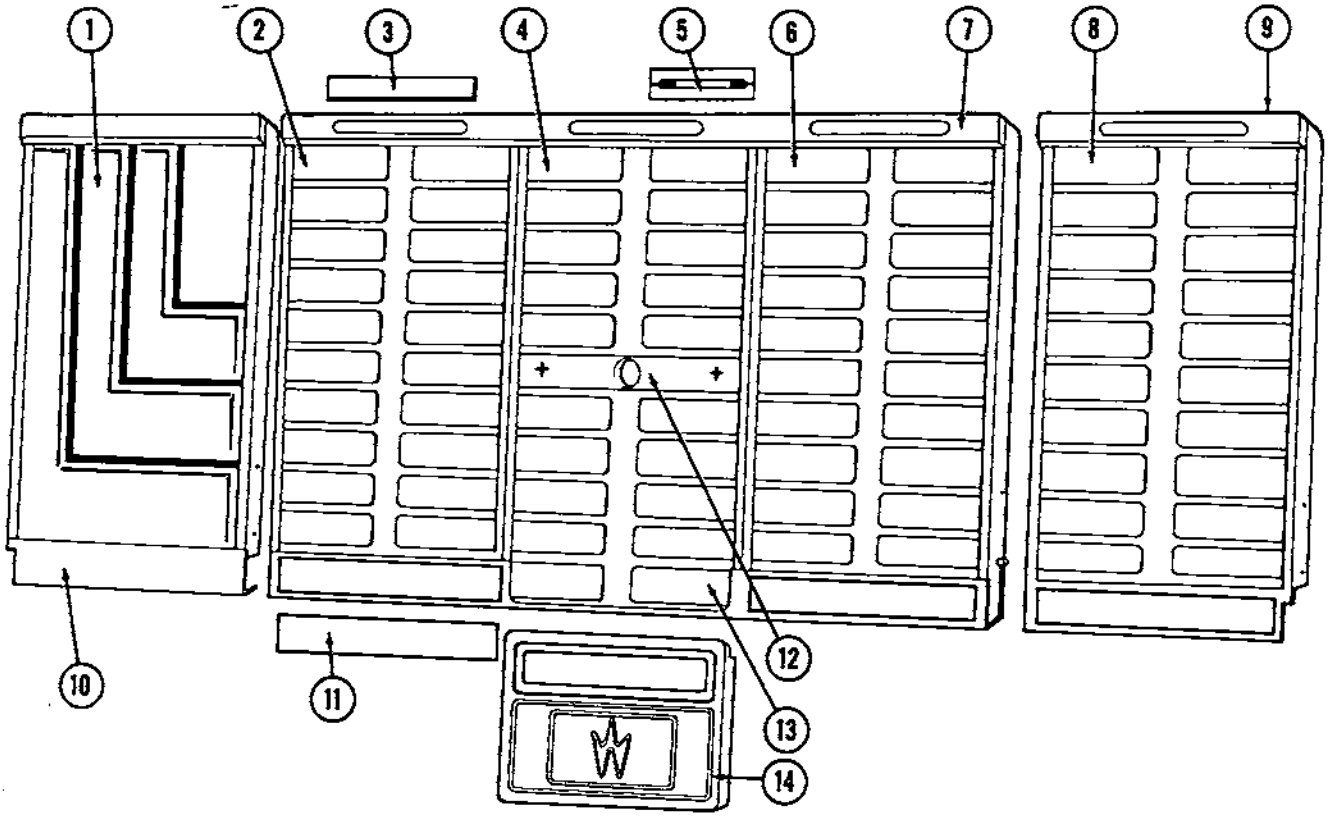

FIG. 105 PROGRAM HOLDER AND FRAME ASSEMBLY

		2600	2610
1.	Decorative Panel, L. H.		120994
	Program Holder and Silk Screen, A1-D0	120464	
2.	Program Holder and Silk Screen, E1-H0	120465	
	Program Holder and Silk Screen, A1-D0		120464
3.	Classification Slip		
	Wurlitzer Music	120491	120491
	Today's Top Tunes	120492	120492
	Country and Western	120493	120493
	Rhythm and Blues	120494	120494
	Rock and Roll	120495	120495
	New Pop Records	120496	120496
	Polkas and Waltzes	120497	120497
	Stereophonic Music	120498	120498
	Classical and Old Favorites	120499	120499
	Jazz and Novelty	120500	120500
4.	Program Holder and Silk Screen, J1-K0	120467	
	Program Holder and Silk Screen, E1-F0		120477
5.	Program Cards, Double Title Strips	62604	62604
6.	Program Holder and Silk Screen, N1-R0	120470	
	Program Holder and Silk Screen, G1-K0		120478
7.	Program Holder Frame and Extrusion Assembly, Center	120472	120479
8.	Program Holder and Silk Screen, S1-V0	120471	
	Decorative Panel, R. H.		120856
9.	Program Holder Frame and Extrusion Assembly, R.H.	120473	120480
10.	Program Holder Frame and Extrusion Assembly, L.H.	120474	120481
11.	Label, Press A Letter and a Number Button for each Selection	121423	
	Label, Make Selection after depositing each 25¢, 10¢ or 5¢	121424	
12.	Record Indicator Panel	120469	120469
	Trimount Stud	73866-1	
	Retainer Clip		118713
13.	Program Holder and Silk Screen, L1-M0	120466	
14.	Decorative Panel		120857

WARRANTY

The component parts of automatic phonographs and accessory equipment manufactured by the Wurlitzer Company are warranted to be free from defects in material and workmanship and to operate properly under normal use and conditions, as follows:

(A) Mechanical parts (Excluding coin equipment) for a period of one year from date of delivery by the Distributor to his customer.

(B) Coin equipment and electrical parts (Including such parts as tubes, speakers, volume control assemblies, pick-up assemblies, amplifiers, motors, junction box assemblies, and all wiring) for a period of three months from date of delivery by the Distributor to his customer.

(C) Cabinets (Subject to the Company's inspection and determination as to defect) for a period of three months from date of delivery by the Distributor to his customer.

The company's liability under this warranty is limited to replacement, free of charge, F.O.B. North Tonawanda, New York, of any part or parts which prove defective within the limitations of said warranty. The Company shall not be liable for damages of any nature due to delayed shipment, or defective parts.

THE WURLITZER COMPANY
NORTH TONAWANDA, N. Y.

COMBINED NUMERICAL PARTS LIST

Part No.	Description	Page No.	2600	2610
984	Key for Volume Control	69	x	x
A-1171	Welding Solution, Dinoc	71	x	x
10964	Socket, 8 prong	55	x	x
13037	Receptacle, 2 pole	69	x	x
13089	Plug, 5 prong	49	x	x
15137	Isolator	69	x	x
16607	Plug, 6 prong	60	x	x
16610	Cap (for 5 prong Plug)	2	x	x
16617	Plug, Female, 5 prong	2	x	x
18831	Insulated Mounting Strip, Screw Terminal	69	x	x
20156	Insulated Mounting Strip, 2 Lug	69	x	x
20263	Knob, Black	69	x	x
20269	Mounting Strip, Single Lug	69	x	x
23027	Insulated Mounting Strip, 1 Lug	69	x	x
23228	Wing Nut, 8-32	72	x	x
23355	Cotter Pin	53	x	x
24277	Insulated Mounting Strip, 4 lug	69	x	x
24558	Terminal Strip	69	x	x
24689	Lamp, 6.3 V. #44	53	x	x
25358	Steel Ball Bearing, 1/8" diameter	65	x	x
30495	Socket, 4 prong	55	x	x
32881	Socket, 6 prong	55	x	x
35745	Thumb Screw, Heat Shield	49	x	x
38492	Socket, 11 prong	55	x	x
42868	Adjusting Cam	5	x	x
43341	Socket, Connector	51	x	x
46602	Fuse Mounting Strip	58	x	x
48501	Plug, 11 prong,grooved to fit .031" Chassis	56	x	
X49832	Tone Arm and Record Track Adjustment Fixture	26	x	x
49884	Grommet, Vibration Absorbtion	61	x	x
49932	Clamp	72	x	
49935	Thumb Screw	72	x	x
50324	Cap Nut, Tone Arm Brush	60	x	x
50494	Washer, No. 4	60	x	x
51485	Fuse Post	55	x	x
53519	Washer, .125 I.D., 5/16" 0.8	66		x
53638	Washer	69	x	x
53673	Socket, Fluorescent Lamp	72	x	x
53674	Socket, Starter	72	x	x
53774	Conical Spring - Chassis Mount (Red Dot)	65	x	x
54246	Bumper	65	x	x
54878	Plug, 11 prong	57	x	x
55391	Connector, Single Prong Plug	51	x	x
56530	Washer, Thrust Bearing	31	x	x
56628	Stop Bracket, Switch Interlock	8	x	x
56704	Switch, Solenoid	53	x	
56713	Release Lever, Stud and Spacer Assy. Switch Interlock	7	x	x
57110	Spring, Selector Latch Pin	55		x
57129	Spring, Letter Latch	53	x	x
57130	Spring, Solenoid Return	53	x	x
57318	Rotor and Bearing Assembly	65	x	x
57349	Brush Cap	65	x	x
57350	Motor Brush	65	x	x
57365	Fluorescent Starting Switch, 25 W.	72	x	x
58255	Actuator	22	x	x

Part No.	Description	Page No.	2600	2610
58420	Tube, 12AU7A	69	x	x
58425	Socket, 9 Pin, Miniature	69	x	x
58427	Tube, 12AX7A	33	x	x
58781	Cancel Spring	50	x	x
58898	Socket, 11 prong	57	x	x
59280	Thumb Screw	59		x
59351	Rubber Washer, .092" x .218" x 1/16"	60	x	x
59393	Shaft, Tone Arm	63	x	x
59394	Pivot Screw, Tone Arm	60	x	x
59396	Bumper, Record Guide	62	x	x
59399	Screw, Special, 8/32"	31	x	x
59400	Shaft	25	x	x
59406	Arm and Hub Assy., Tone Arm Release	63	x	x
59411	Bushing, Trip Switch	60	x	x
59415	Pulley, Turntable Clamp	29	x	x
59425	Track, Record	19	x	x
59432	Adjusting Bracket, Trip Switch	28	x	x
59434	Stop Bracket, Track	19	x	x
59440	Washer, Thrust Bearing	63	x	x
59456	Fly Wheel, Turntable	31	x	x
59467	Casting, Record Guide, Rear	62	x	x
59470	Hex Nut, Turntable Shaft, 7/16 - 20	31	x	x
59483	Hub and Lever Assembly, Tone Arm Brush	60	x	x
59513	Cancel Lever, Hub and Roller Assembly	16	x	x
59537	Pawl Assembly	66	x	x
59546	Groove Pin	62	x	x
59569	Transfer Switch and Bracket Assembly	22	x	x
59569-2	Over Center Spring (Stainless Steel)	22	x	x
59570	Mounting Bracket, Motor	65	x	x
59571	Oil Slinger	31	x	x
59580	Torsion Spring, Record Play Counter	65		x
59584	Spring, Selector Drive Clutch	66	x	x
59599	Link and Lever Assembly, Record Lift	16	x	x
59601	Record Holder Assembly	20		x
59606	Spring, Return	63	x	x
59607	Spring, Tone Arm Brush	60	x	x
59612	Spring, Friction Drive	66	x	x
59613	Spring, Kickoff	68		x
59615	Spring, Trip Switch	60	x	x
59626	Strap and Spring Assembly, Friction Drive	66	x	x
59631	Cancel Casting	66	x	x
59633	Record Actuator Arm and Shaft Assembly, R. H.	20		x
59634	Record Actuator Arm and Shaft Assembly, L. H.	20		x
59637	Ball Race, Main Cam Shaft	66	x	x
59641	Washer, Thrust Bearing, Main Cam	66	x	x
59647	Washer	67	x	x
59654	Ball Bearing, Selector Shaft	67	x	x
59655	Felt Washer	67	x	x
59679	Ball Race, Tone Arm Shaft	63	x	x
59688	Lever Assembly, Record Clamp	22	x	x
59697	Spring, Record Lift Arm	66	x	x
59704	Mounting Bracket and Roller Assembly	17		x
59706	Lever, Record Player Counter	66		x
59710	Spring	25	x	x
59717	Idler Pulley and Bracket Assembly, Tone Arm Brush	29	x	x
59719	Idler Pulley and Bracket Assembly	65	x	x
59722	Hub and Lever Assembly, Tone Arm Release	30	x	x

Part No.	Description	Page No.	2600	2610
59734	Clamp, Record Holder	65	x	x
59735	Idler Pulley	29	x	x
59827	Chassis Mounting Plate, Sub-Assembly	65	x	x
59832	Wing Head Bolt	72	x	x
59844	Bracket and Roller Assembly.	65	x	x
59859	Record Play Counter	65		x
59864	Washer, Turntable Shaft	31	x	x
59867	Ball Race, Turntable Shaft	31	x	x
59869	Shaft, Record Guide Pivot	62	x	x
59871-A	Cable Assembly, Tone Arm and Record Clamp	29	x	x
59881	Sleeve, Brush Cable	29	x	x
59888	Cable, Tone Arm Brush	29	x	x
59891	Sleeve, Record Clamp Cable.	29	x	x
59892	Pivot Casting, Record Guide	62	x	x
59894	Spring, Play Meter Actuating Arm.	66	x	x
59900	Insulator	60	x	x
59901	Spring, Pawl, Record Play Counter	65	x	x
59908	Spring Pin, Pivot Casting.	62	x	x
59911	Plate and Ball Bearing Assembly	63	x	x
60518	Switch Assembly, Latch	53	x	
60519	Bracer Rod, Top Support Casting	65	x	x
60574	Grommet	58	x	x
60575	Cup Washer.	58	x	x
60626	Pivot Arm and Roller Assembly	17		x
60655	Micro Switch, Safety	60	x	x
60657	Mounting Bracket and Pin Assembly	17		x
60658	Mounting Bracket and Roller Assembly	65		x
60677	Spring, Roller Arm.	17		x
60681	Retaining Ring, Turntable Pilot	63	x	x
60711	Guide Tip, L. H., Record Lift Arm.	66		x
60882	Rubber Mount, T. T. Drive Motor.	61	x	x
60991	Ball Bearing.	66	x	x
61004-A	Teflon Shim Washer, Stepper Ratchet Shaft	58	x	x
61059	Spring, Conical, Chassis Mount, Yellow Dot	65	x	x
61111	Spring Pin.	24	x	x
61484	Guide Tip, R. H.	66		x
61574	Mounting Bracket and Idler Pulley	65	x	x
61850	Guide, Selector Mounting Stud	55		x
61857	Socket, Fustat	58	x	x
61858	Fustat, 3 ampere.	58	x	x
62145	Spring, Coin Selector.	50	x	x
62604	Program Cards, Double Title Strips.	74	x	x
62670	Coin Bag Assembly	72	x	x
62761	Actuator Arm Assembly	22	x	x
62768	Cam Lobe, Mute and Play Switch	22	x	x
62769	Stop Plate, Mute and Play Switch Actuator Arm	22	x	x
62773	Spring, Mute and Play Switch Actuating Lever.	56	x	x
62792	Main Cam and Bushing Assembly	16	x	x
62886	Slide Switch.	2	x	x
63604	Terminal Strip, 9	69	x	x
63623	Pivot Pin, Pawl	50	x	x
63731	Shim, Metal, Turntable Shaft	31	x	x
63732	Washer, Fiber, Turntable Shaft	31	x	x
64190	Pulley, Turntable.	31	x	x
64423	Latch, Tone Arm.	27	x	x
64512	Clamping Plate	31	x	x
64513	Screw, Turntable Sleeve, 1/4" - 28	31	x	x

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64520	Sleeve and Bushing Assembly	31	x	x
64595	Insulator	55		x
64602	Solenoid, Selector	55		x
64630	Roller Assembly	55	x	x
64649	Stop Pivot	55		x
64711	Timing Relay, No. 2	55		x
64766	Washer, Selector Pin Solenoid	56	x	x
64773	Spring, Stop Arms	55		x
64780	Spring, Solenoid	56	x	x
64783	Spring and Plug Assembly	55		x
64920	Socket, Miniature, 9 Pin, Printed Board	69	x	x
64981	Switch Assembly, Letter Series	53	x	x
64982	Switch Assembly, R. H.	53	x	x
65007	Switch Assembly, Solenoid	53		x
65009	Pawl, Stud and Spacer Assembly, Letters	8	x	x
65069	Cancel Solenoid	50	x	x
65096	Spring, Turntable Release Lever	60	x	x
65170	Mute and Play Switch and Bracket Assembly	22	x	x
65170-1	Toggle Spring, Mute and Play Switch	66	x	x
65170-A	Fiber, Mute and Play Switch	66	x	x
65192	Speaker, 12" 16 ohm, Red Dot	32	x	x
65362	Taper Pin, 6/0 x 7/16	53	x	x
65516	Pin, Release Lever Stop	15	x	x
65526	Stop, Guide Tip	17	x	
65548	Connector Bracket, Carrier	64	x	
65623	Stator, (Motor Field Winding)	65	x	x
65625	Motor, Record Changer	65	x	x
65728	Switch Mounting Bracket	15	x	
65730	Guide Tip, R. H.	17	x	
65731	Guide Tip, L. H.	17	x	
65750	Relay, Reverse	57	x	x
65801	Plastic Cover, Stepper	51	x	x
65809	Spring, Selector Crank	16	x	x
65812	Spring, Guide Tips	67	x	
65885	Bracket and Roller Assembly, L. H.	18	x	
65886	Bracket and Roller Assembly, R. H.	64	x	
65890	Back Stop Pawl Assembly	19	x	x
65908	Record Holder Assembly	64	x	
65947	Pin, Solenoid Shaft	53	x	x
65952	Switch, Override	11	x	
65958	Spring, Record Lift Arm Centering	18	x	
65986	Stud, Roller, Lift Arm Adj.	18	x	
65989	Roller, Lift Arm Guide	18	x	
66049	Mounting Stud, Lockout Levers	50	x	x
66065	Link, Solenoid	50	x	x
66069	Stop Bracket, Cancel Pawl	6	x	x
66070	Eyelet	50	x	x
66071	Spring, Cancel	50	x	x
66072	Spring, Solenoid Return	50	x	x
66074	Spring, Accumulator Wheel	50	x	x
66082	Switch Assembly, Key	4	x	x
66122	Front Plate and Shaft Assembly	2	x	x
66124	Cancel Wheel Assembly	4	x	x
66125	Pivot Arm and Pawl Assembly	5	x	x
66127	Pin and Pawl Assembly	5	x	x
66128	Coin Magnet and Bracket Assembly	4	x	x
66129	Lever, Hub and Stud Assembly	4	x	x

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66130	Hub and Lever Assembly, Lockout	50	x	x
66131	Accumulator Wheel and Hub Assembly.	4	x	x
66132	Stop Lever and Spring Assembly.	2	x	x
66133	Silk Screen and Indexing Strip, Quarter	50	x	x
66135	Silk Screen and Indexing Strip - Dime or Half Dollar	50	x	x
66182	Plate, Lift Arm Guide	17	x	
66186	Contact Plate Assembly	55	x	x
66378	Stud, Shock Mount	69	x	x
66445	Pin, Hinge.	2	x	x
66580	Flanged Washer, Main Cam Shaft	66	x	x
67439	Lamp, Mazda No. 55.	57	x	
67464	Line Cord Assembly	69	x	x
67920	Rotating Plate, Selector	56	x	
67926	Rocker, Rotating Plate	10	x	
67927	Wobble Ring.	11	x	
67928	Support Casting, R. H.	67	x	
68102	Turntable and Shaft Assembly	31	x	x
68192	Coin Return Cup Casting	71	x	x
68290	Guide Plate, Record Lift Arm	67	x	
68300	Shaft, Actuator Assembly	72	x	x
68310	Bracket, Coin Switch	3	x	x
68375	Record Guide and Bracket Assembly, R. H.	62	x	x
68376	Record Guide and Bracket Assembly, L. H.	62	x	x
68483	Sleeve and Bushing Assembly, Selector Crank	15	x	
68491	Pin, Actuator Arm	15	x	x
68496	Plunger, Selector Coil Solenoid	10	x	
68521	Tapping Plate	67	x	
68526	Stop Lever, Cancel Sleeve	15	x	
68552	Lower Coin Chute Assembly	2	x	x
68558	Shaft, Selector Crank Release	15	x	
68559	Actuator Arm and Hub Assembly, Loading	15	x	
68567	Link, Selector Crank Release	15	x	
68582	Contact Plate Assembly.	68	x	
68594	Solenoid, Selector, Letters	56	x	
68601	Switch Assembly, Latch	51		x
68608	Plunger, Stop Solenoid, Selector.	56	x	
68617	Solenoid, Selector Stop No. 2 to 0	9	x	
68649	Shoulder Screw, Selector.	56	x	
68650	Spacer, Wobble Ring	11	x	
68651	Bracket and Roller Assembly.	56	x	
68656	Roller, Rotating Plate	56	x	
68657	Stud, Guide Roller	56	x	
68700	Support Casting, L. H.	67	x	
68711	Shaft, Lower Coin Chute	49	x	x
68717	Gear and Hub Assembly, Selector	9	x	
68755	Spring, Selector Rocker	56	x	
68757	Guide Bracket, L. H. Selector Support Casting	13	x	
68758	Guide Bracket, R. H. Selector Support Casting	13	x	
68759	Guide Bracket, L. H., Selector Casting.	13	x	
68760	Guide Bracket, R. H., Selector Casting.	13	x	
68770	Cancel Switch.	69	x	x
68774	Spring, Switch Lever.	68	x	x
68782	Spring, Release Lever Linkage	15	x	
68799	Silk Screen and Support Plate Assembly	14	x	
68804	Solenoid, Selector Stop No. 1	9	x	
68920	Terminal Strip	58	x	x
68936	Spring, Reject Rod	72	x	x

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68942	Timing Relay No. 2	57	x	
69066	Motor, Gear and Bracket Assembly	30	x	x
69089	Plug, 4 Prong, Tone Arm	60	x	x
69090	Socket, 4 prong.	63	x	x
69240	Relay, Reverse.	55	x	x
69244	Relay, Pulse	50	x	x
69247	Centering Shaft, Selector Shaft.	13	x	x
69569	Socket, Caster	72	x	x
69570	Caster.	72	x	x
69659	Stud, Eccentric, Guide Roller	56	x	
69839	Insulator, Switch	56	x	
69841	Insulator, Switch	56	x	
70901	Capacitor 65 to 93 Mfd., 50 V.	57	x	
71217-14	Capacitor .01 Mfd., 400 V.	58	x	x
71220-24	Capacitor, .022 Mfd., 400 V.	55	x	x
71227-12	Capacitor, 0.1 Mfd., 200 V.	57	x	x
71227-14	Capacitor, .1 Mfd., 400 V.	57	x	x
71499	Capacitor, 250 Mfd., 50 V.	59		x
71588-6	Silicon Rectifier, 500 P.I.V.	69	x	x
71588-12	Silicon Rectifier, 50 P.I.V.	69	x	x
71590-27	Fuse, 5 ampere	69	x	x
71590-33	Fuse, 8 ampere	69	x	x
71590-48	Fuse, 15 ampere	69	x	x
71591-6	Fuse, Slow Blo, .5 ampere.	58	x	x
71591-10	Fuse, Slow Blo, .8 ampere.	55	x	x
71591-15	Fuse, 1.6 ampere, Slow Blo	69	x	x
71594	Capacitor, 20 Mfd., 400 V., 100 Mfd., 250 V.	69	x	x
71595	Capacitor, 100 Mfd., 250 V.	69	x	x
71816	Capacitor, 500 Mfd., 50 V.	58	x	
71878-6	Strain Relief	69	x	x
71883-2	Resistor, 150 Ohm, 5 Watt.	51	x	x
71886-3	Resistor, 85 Ohm, 5 Watt	53	x	x
71887-2	Resistor, 25 Ohm, 5 Watt	59		x
72200-32	Resistor, 2200 Ohm, 1/2 Watt.	55	x	x
72298-32	Resistor, 27 Ohm, 1 Watt	57	x	
72314-32	Resistor, 120 Ohm, 1 Watt.	57	x	
72986-2	Resistor, 50 Ohm, 5 Watt	55	x	x
73093-142	Capacitor, .1 Mfd., 400 V.	55	x	x
73099-240	Capacitor, 0.5 Mfd., 400 V.	58	x	x
73475	Capacitor, 30-20-20-25 Mfd.	69	x	x
73502-95	Screw, 10-32 x 1", R. H.	20	x	
73502-99	Screw, 10-32 x 1-3/4", R. H.	29	x	x
73503-15	Screw, 3-48 x 3/8", R. H.	51	x	x
73503-24	Screw, 4-40 x 5/16", R. H.	60	x	x
73503-25	Screw, 4-40 x 3/8", R. H.	65	x	x
73503-71	Screw, 6-32 x 5/8", R. H.	24	x	x
73503-72	Screw, 6-32 x 3/4", R. H.	20		x
73503-74	Screw, 6-32 x 1", R. H.	26	x	x
73503-91	Screw, 8-32 x 3/4", R. H.	18	x	
73503-95	Screw, 8-32 x 1-1/4", R. H.	20	x	
73511-29	Set Screw, 8-32 x 3/16"	15	x	x
73513-19	Screw, Socket Head, 6-32 x 3/16".	61	x	x
73533-1	Screw, 4-40 x 3/16", R. H.	5	x	x
73533-2	Screw, 4-40 x 1/4", R. H.	51	x	x
73533-3	Screw, 4-40 x 5/16", R. H.	19	x	x
73533-7	Screw, 4-40 x 5/8", R. H.	67	x	
73533-21	Screw, 6-32 x 3/16", R. H.	6	x	x

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73533-22	Screw, 6-32 x 1/4", R. H.	4	x	x
73533-27	Screw, 6-32 x 5/8", R. H.	51	x	x
73533-29	Screw, 6-32 x 7/8", R. H.	60	x	x
73533-30	Screw, 6-32 x 1", R. H.	60	x	x
73533-34	Screw, 8-32 x 1/4", R. H.	6	x	x
73533-35	Screw, 8-32 x 5/16", R. H.	11		x
73533-38	Screw, 8-32 x 1/2", R. H.	24	x	x
73533-39	Screw, 8-32 x 5/8", R. H.	6	x	x
73533-40	Screw, 8-32 x 3/4", R. H.	15		x
73533-44	Screw, 8-32 x 1-1/4", R. H.	6	x	x
73533-105	Screw, 3-48 x 7/16", R. H.	67	x	
73534-14	Screw, 5-40 x 3/8", Binding Hd.	22	x	x
73571-22	Screw, 10-32 x 1-1/2" Socket Hd.	72	x	x
73574-31	Screw, 4-40 x 1", R. H.	22	x	x
73574-33	Screw, 4-40 x 1-1/4", R. H.	22	x	x
73575-100	Screw, 10-32 x 2", R. H.	28	x	x
73586-2	Screw, 2-56 x 3/16", F. H.	66		x
73592-21	Screw, 5/8" - 8, R. H., P. K., Type A.	2	x	x
73592-24	Screw, 1-8, Parker Kalon, R. H.	72	x	x
73601-3	Nut, 4-40, Hex	51	x	x
73602-77	Nut, 1/2" - 20, Hex	56	x	
73606-1	Lock Washer, #2, Countersunk	66		x
73607-12	Lock Washer, Internal, 7/16"	31	x	x
73607-13	Lock Washer, 1/2", Internal	56	x	
73632-4	Spring Washer	49	x	x
73637-10	Nut, Tinnerman	65	x	x
73656-74	Screw, 6-32 x 1", R. H.	23	x	x
73660-86	Screw, 8-32 x 3/4", Hex	61	x	x
73660-161	Adjusting Screw, 10-32 x 1-1/4", Hex Hd.	16	x	x
73676-47	Adjusting Screw, 10-32 x 5/16", R. H.	17		x
73692-49	Screw, 10-32 x 7/16", R. H.	11		x
73724-12	Retaining Ring	66		x
73724-15	Retaining Ring	53	x	x
73724-18	Retaining Ring	53	x	x
73724-21	Retaining Ring	50	x	x
73724-25	Retaining Ring	61	x	x
73724-31	Retaining Ring	56	x	
73724-50	Retaining Ring	55		x
73724-87	Retaining Ring	65	x	x
73727-112	Retaining Ring	66	x	x
73728-12	Retaining Ring	61	x	x
73728-18	Retaining Ring	61	x	x
73728-25	Retaining Ring	25	x	x
73728-31	Retaining Ring	66	x	x
73728-37	Retaining Ring	71	x	x
73782-4	Roll Pin	51	x	x
73782-11	Roll Pin	61	x	x
73782-32	Roll Pin	56	x	
73782-48	Roll Pin	15	x	x
73782-49	Roll Pin	66	x	x
73782-51	Roll Pin	63	x	x
73782-66	Roll Pin	66	x	x
73782-70	Roll Pin	66	x	x
73782-85	Roll Pin	67	x	x
73782-88	Roll Pin	67	x	x
73785	Lock Nut, 10-32, Hex., Special	16	x	x
73787-25	Screw, 4-40 x 3/8", Truss Head	72	x	x

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73793-86	Screw, 8-32 x 3/4", Hex.	28	x	x
73793-87	Cap Screw, 8-32 x 7/8", Hex.	55		x
73793-88	Cap Screw, 8-32 x 1", Hex.	9	x	
73793-118	Cap Screw, 10-32 x 1/2", Hex.	14	x	
73793-122	Cap Screw, 10-32 x 1", Hex.	9	x	
73793-124	Cap Screw, 10-32 x 1-1/2", Hex.	15	x	
73793-125	Cap Screw, 10-32 x 1-3/4", Hex.	15		x
73793-150	Cap Screw, 1/4 - 20 x 1", Hex.	13	x	
73793-151	Cap Screw, 1/4 - 20 x 1-1/4", Hex.	14	x	
73793-230	Screw, 10-32 x 1-1/8", Hex.	30	x	x
73800	Screw, 6-32 x 1-3/8", R. H.	23	x	x
73835-55	Capacitor, 4 Mfd., 250 V.	58	x	x
73862	Capacitor, 100 Mfd., 50 V.	55		x
73864	Capacitor, 20 Mfd., 50 V.	57	x	
73865-1	Stop Nut, Nylok, 4-40	72	x	x
73865-8	Stop Nut, Nylok, 10/32	27	x	x
73866-1	Trimount Stud.	74	x	
73889-620	Capacitor, 150 Mfd., 50 V.	55		x
74147	Capacitor, Non-Polarized, 2 Mfd., 25 V.	72	x	x
74288-6	Screw, 4-40 x 1/2", R. H., Nylon	4	x	x
74288-25	Screw, 8-32 x 5/8", R. H., Nylon	24	x	x
74288-26	Adjusting Screw, 8-32 x 3/4", R. H., Nylon	27	x	x
74325-24	Capacitor, .22 Mfd., 400 V.	53	x	x
74335-22	Screw, 6-32 x 7/16", Truss Head, Type 23.	62	x	x
74339-39	Set Screw, 10-32 x 3/16".	63	x	x
74402-1	Internal Hair Pin Cotter	56	x	x
74441-4	Speed-Nut, Tinnerman	71	x	x
110077	Washer	67	x	x
110190	Input Cable Assembly.	32	x	x
110453	Lamp Socket Assembly.	57	x	
110480	Spring, Latch Pins	11	x	
110557	Switch, Licon.	20	x	x
110558	Switch, Reversing and Start	9	x	x
110595	Tip, Actuator, Black	69	x	x
110875	Angle and Guard, Coin Switch	49	x	x
110930	Tip and Mounting Bracket Assembly, Outer	15	x	
110934	Spring, Cancel Arm	66	x	x
110936	Tip and Mounting Bracket Assembly, Inner	14	x	
110937	Switch Lever and Stop Nut Assembly.	20	x	
110939	Actuator Arm and Link Assembly	68	x	
110941	Latch Pin, Selector, Inner	10	x	
110942	Latch Pin, Selector, Outer.	11	x	
110944	Selector Crank and Bracket Assembly	68	x	
110946	Mounting Plate and Bushing Assembly	68	x	
110965	Lamp, 25 Watt, Fluorescent, 30"	72	x	x
111027	Selector Plates and Spacer Assembly	11	x	
111481	Rotating Plate and Rocker Assembly.	9	x	
111527	Contact, "Amplok".	51	x	x
111566	Ballast, Fluorescent, 25 Watt Dual	72	x	x
111720	Crank and Link Assembly, Solenoid	53	x	x
111798	Shell.	72	x	x
111816	Lamp, 2 Pin, Miniature	51	x	x
111817	Socket, 2 Pin	51	x	x
111897	Shaft, Link and Lever Assembly, Switch Interlock, Letters	6	x	x
111898	Shaft, Link and Lever Assembly, Switch Interlock, Numbers	6	x	x
111913	Motor and Gear Assembly, Selector.	56	x	
111999	Thumb Screw, Selector Casting	71	x	x

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112070	Cover Assembly, Coin Register Mechanism	72	x	x
112104	Solenoid Assembly, Switch Interlock	7	x	x
112104-1	Plunger, Solenoid, Switch Interlock	7	x	x
112188	Socket, 2 prong	72	x	x
112222	Speed Clip, Cable Clip	72	x	x
112417	Adjusting Clip, Link, Selector Switch	6	x	x
112494	Relay, Timing No. 1	50	x	x
113199	Support Casting and Bushing Assembly	60	x	x
113204	Pivot Casting and Arm Assembly	67	x	
113205	Bracket and Stop Nut Assembly	67	x	
113210	Reset Lever Assembly, Play Meter	64	x	
113216	Bracket and Nut Assembly	66		x
113285	Coin Bag Housing Assembly	72	x	x
113299	Actuator Arm Assembly, Transfer Switch	22	x	x
113325	Connector, Sonotone Cartridge	60	x	x
113387	Connecting Bracket, Carrier Ring	65		x
113408	Carrier Ring and Silk Screen Assembly, A1-C5	65		x
113409	Carrier Ring and Silk Screen Assembly, C6-E0	65		x
113410	Carrier Ring and Silk Screen Assembly, F1-H5	65		x
113411	Carrier Ring and Silk Screen Assembly, H6-K0	65		x
113420	Receptacle, Dual, Single Prong	69	x	x
113527	Cap, 6 circuit	51	x	x
113528	Socket, 6 circuit	51	x	x
113687	Record Play Counter	65		x
113789	Contact, #20 to #15 Wire	61	x	x
114046	Tube, 7025	33	x	x
114048	Tube, 6973	69	x	x
114064	Carrier Ring and Silk Screen Assembly, F2-L1	64	x	
114065	Carrier Ring and Silk Screen Assembly, A1-R2	64	x	
114066	Carrier Ring and Silk Screen Assembly, L2-R1	64	x	
114067	Carrier Ring and Silk Screen Assembly, A2-F1	64	x	
114258	Mounting Plate and Socket Assembly	63	x	x
114323	Wire and Plug Assembly, Tone Arm	60	x	x
114324	Plug, 12 Prong, Amphenol	58	x	x
114325	Socket, 12 Prong	55	x	x
114346	Stepper Switch Assembly	58	x	
114346-A	Release Latch Relay	58	x	x
114346-AA	Armature & Pawl Spring	58	x	x
114346-B	Step Magnet	58	x	x
114346-BA	Pawl Only	58	x	x
114346-BB	Armature - Step Magnet	59	x	x
114346-BC	Contact Assembly - Step Magnet	59	x	x
114346-C	Delrin Ratchet Wheel, Numbers	58	x	
114346-D	Delrin Ratchet Wheel, Letters	58	x	x
114346-E	Contact Plate Assembly, Numbers	58	x	
114346-F	Contact Plate Assembly, Letters	58	x	
114346-G	Contact Arm, Numbers or Letters	58	x	
114346-J	Frame, Contact Plate, Numbers	58	x	x
114346-K	Frame, Contact Plate, Letters	58	x	x
114463	Potentiometer, Balance Control	69	x	x
114484	Spring, Tone Arm Pressure	60	x	x
114528	Stepper Switch Assembly	59		x
114528-E	Contact Plate Assembly, 2 circuit	59		x
114528-F	Contact Plate Assembly, 4 circuit	59		x
114528-G	Contact Arm Assembly, 2 circuit	59		x
114528-H	Contact Arm Assembly, 4 circuit	59		x
115411	Stop Pin, Rotating Plate	10	x	

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115555	Tube, 7199	69	x	x
115660	Tone Arm Stop Pin Assembly.	26	x	x
115668	Arm and Rivet Assembly, Selector Shaft	66	x	x
115669	Selector Shaft and Adjusting Plate Assembly.	20	x	
115684	Casting, Record Holder	64	x	
115750	Casting, Record Holder	65		x
115752	Selector Shaft Assembly	20		x
115761	Mounting Plate and Bushing Assembly	68		x
115765	Switch Lever and Stop Nut Assembly.	20		x
115767	Actuator Arm and Link Assembly	68		x
115769	Contact Plate Assembly.	68		x
115770	Selector Crank and Bracket Assembly	68		x
115772	Sleeve and Bushing Assembly, Selector Crank	15		x
115775	Switch Mounting Bracket	15		x
115776	Shaft, Selector Crank Release	15		x
115777	Stop Lever and Stop Nut Assembly.	15		x
115782	Stud, Selector Mounting	15		x
115787	Rotating Plate.	55		x
115788	Rocker - Long	55		x
115789	Stop Bracket, Selector	55		x
115796	Wobble Plate, Selector	55		x
115798	Adjusting Bracket, Hub and Stop Nut Assembly	55		x
115802	Centering Yoke, Hub and Pin Assembly	55		x
115806	Latch Pin, Selector, Inner	55		x
115807	Latch Pin, Selector, Outer.	55		x
115812	Centering Shaft and Plate Assembly	11		x
115821	Spring, Centering Yoke	55		x
115822	Guide Plate, Centering Yoke	55		x
115823	Guide, Centering Yoke	55		x
115824	Stop, Centering Yoke.	55		x
115825	Fall Support Assembly	59		x
115831	Spacer, Fall Support	59		x
115832	Spring and Clip Assembly	59		x
115837	Latch Bar, Junction Box	55		x
115851	Coin Register Mechanism (Playrak)	2	x	x
115856	Chassis Frame Casting and Plate Assembly.	66		x
115862	Stop Arm and Rivet Assembly	55		x
115909	Plate and Spacer Assembly.	55		x
115915	Mounting Casting Assembly, Electric Selector.	10	x	
115918	Contact Assembly, Electric Selector	55		x
115973	Spring, Selector	55		x
115975	Solenoid, Driver	55		x
116023	Chassis Frame Casting and Plate Assembly.	16	x	
116252	Connector Link, Numbers Switch	7		x
116255	Connector Link, Numbers Switch	6	x	
116259	Connector Link, Letters Switch	7		x
116260	Connector Link, Letter Switches	6	x	
116317	Select Button	53	x	x
116318	Reset Button	53	x	x
116329	Mounting Rail and Bracket Assembly, Chassis Mounting, R.H.	72	x	x
116330	Mounting Rail and Bracket Assembly, Chassis Mounting, L.H.	72	x	x
116369	Adjusting Clip, Link, Selector Switch	6	x	x
116645	Power Transformer, 50-60 Cycle, Amplifier	69	x	x
116723	Slide Switch, Spring Return	53	x	x
116724	Slide Switch.	55	x	x
116725	Cartridge, Sonotone, Stereo	27	x	x
116727	Needle, Double Sapphire, .7 Mil	26	x	x

Part No.	Description	Page No.	2600	2610
116732	Tip and Mounting Bracket Assembly, Outer	68		x
116733	Tip and Mounting Bracket Assembly, Inner	68		x
116740	Support Bracket Assembly, Heat Shield	72	x	x
116831	Stud, Eccentric, Lift Arm Guide	17	x	
116833	Roller - Lift Arm Guide	64	x	
116837	Bracket and Roller Assembly, Lift Arm Guide	17	x	
116986	Gear and Ratchet Wheel Assembly	30	x	x
116997	Pinion Gear	30	x	x
117048	Pulse Relay, Stepper Assembly	58	x	x
117048-A	Contacts	58	x	x
117242	Bracket, Support Plate	14	x	
117243	Tapping Plate	14	x	
117252	Plate and Pin Assembly	67	x	
117254	Bumper, Record Guide	62	x	x
117689	Rubber Grommet	53	x	x
117691	Pawl, Spring Stud and Spacer Assembly, Switch Interlock	8	x	x
117692	Rocker, Short	55		x
117694	Trip Lever, Stud and Spacer Assembly, Switch Interlock	7	x	x
117695	Trip Lever and Spacer Assembly, Numbers	8	x	x
117794	Mounting Bracket Assembly	61	x	x
117823	Cap, 3 circuit, Amp Lock	26	x	x
117824	Socket, 3 circuit	11	x	
117986	Mounting Plate and Spring Stud Assembly	55		x
117987	Magnet and Frame Assembly	55		x
118182	Segment, Record Indicator Ring, N6-T5	64	x	
118183	Segment, Record Indicator Ring, H6-N5	64	x	
118184	Segment, Record Indicator Ring, C6-H5	64	x	
118185	Segment, Record Indicator Ring, C5-T6	64	x	
118199	Segment, Record Indicator Ring, D7-G1	65		x
118200	Segment, Record Indicator Ring, B1-J7	65		x
118201	Segment, Record Indicator Ring, B4-D8	65		x
118202	Segment, Record Indicator Ring, G4-J8	65		x
118254	Hub, Selector Drive Clutch	66	x	x
118332	Record Guide Plate	23	x	x
118405	Anti-Cheat Guard and Bracket Assembly	71	x	x
118406	Coin Hopper Assembly	72	x	x
118412	Lock and Key Assembly	71	x	x
118447	Timing Relay	59		x
118450	Transfer Relay	59		x
118467	Timing Relay, #3	57	x	
118529	Heat Shield	72	x	x
118551	Transfer Relay	58	x	
118553	Timing Relay	58	x	
118611	Mounting Bracket, Side Program Holder, R. H.	72	x	x
118612	Mounting Bracket, Side Program Holder, L. H.	72	x	x
118618	Spring Clip	72	x	x
118629	Lock Assembly, Back Door	72	x	x
118633	Key, RW 95	72	x	x
118645	Cable Retainer	72	x	x
118664	Rectifier, Selenium	55		x
118713	Retainer Clip, Decorative Panel	74		x
118936	Spacer, Record Indicator Ring	65	x	x
119025	Spring, Return, Reject Button	72	x	x
119051	Oil Tube	61	x	x
119080	Brush	29	x	x
119107	Coin Switch Assembly, 5-10-25-50¢	2	x	x
119107-A	Long Paddle	4	x	x

Part No.	Description	Page No.	2600	2610
119107-B	Short Paddle	3	x	x
119107-C	Long Shaft	49	x	x
119107-D	Long Spacer	49	x	x
119107-E	Iron Washer	49	x	x
119107-F	Copper Washer	49	x	x
119266	Contact Spring and Hub Assembly, Kit 162	51	x	x
119275	Motor, Programer	51	x	x
119351	Contact Plate Assembly	51	x	x
119356	Mounting Bracket	51	x	x
119357	Mounting Bracket and Stud Assembly	51	x	x
119406	Guide Washer, T. T. Pilot	63	x	x
119409	Cam, Clamp Lever	63	x	x
119410	Pilot, Turntable	63	x	x
119413	Shaft, Turntable Pilot Clamp Levers	24	x	x
119414	Cup Washer, Turntable Spring	63	x	x
119420	Tube, Turntable Pilot	63	x	x
119422	Spring, Turntable Pilot	63	x	x
119423	Spring, Clamp	24	x	x
119424	Spring, Record Lever	63	x	x
119425	Spring, Turntable Cam	24	x	x
119426	Spring, Turntable Release Arm	25	x	x
119428	Adjusting Nut	24	x	x
119429	Cam, Record Clamp	24	x	x
119432	Cup Washer, Turntable Cam Lever	63	x	x
119433	Pivot Bracket	25	x	x
119439	Plate and Arms Assembly	63	x	x
119441	Turntable Release Arm Assembly	24	x	x
119443	Cam Lever and Roller Assembly	24	x	x
119445	Spacer, Pivot Bracket	63	x	x
119450	Actuating Arm Assembly	63	x	x
119464	Transfer Relay	51	x	x
119498	Spring, Cam Lever	63	x	x
119584	Collar, Shaft, Tone Arm	63	x	x
119743	Speaker, 12", Permanent Magnet	32	x	x
119744	Gear and Shaft Assembly, R. H., T. T. Drive Motor	61	x	x
119745	Gear and Shaft Assembly, L. H., T. T. Drive Motor	61	x	x
119750	Pulley, 45 R. P. M.	61	x	x
119751	Pulley, 33-1/3 R. P. M	61	x	x
119753	Contact Plate and Wire Assembly, Printed Board	51	x	x
119758	Mounting Bracket and Angle Assembly	61	x	x
119767	Pivot Pin	61	x	x
119769	Support Bracket, Motor Mount	61	x	x
119770	Link	61	x	x
119772	Hinge Pin	61	x	x
119779	Tip, Adjusting Screw, Turntable Motor	26	x	x
119784	Switch Assembly, Lock Coil	25	x	x
119785	Switch, Toggle	15	x	x
119788	Mounting Plate and Stop Nut Assembly, Turntable Drive Motor	26	x	x
119789	Shim	61	x	x
119790	Turntable Motor and Worm Assembly	61	x	x
119792	Mounting Channel and Bushing Assembly	61	x	x
119793	Support Bracket and Spring Assembly	24	x	x
119795	Selector Lever and Yoke Assembly	26	x	x
119812	Cover, Program Slip	71	x	x
119822	Solenoid	26	x	x
119822-1	Plunger	26	x	x
119823	"O" Ring, 33-1/3	61	x	x

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119824	"O" Ring, 45	61	x	x
119826	Solenoid Assembly	24	x	x
119829	Steel Ball	61	x	x
119832	Pulley, 45 R. P. M.	26	x	x
119833	Pulley, 33-1/3 R. P. M.	26	x	x
119842	Spring	26	x	x
119845	Switch Assembly	24	x	x
120067	Spring, Number Latch, Selector Switch Assembly	53	x	x
120172	Spring Guide	63	x	x
120254	Spring Guide	63	x	x
120255	Eyelet	61	x	x
120283	Stop Bracket, Record Clamp Lever	66	x	x
120383	Roller, Record Lift Arm	66		x
120384	Pivot Casting and Arm Assembly	66		x
120417	Kick Plate, L. H.	71	x	x
120418	Kick Plate, R. H.	71	x	x
120419	Extrusion, Lower Front Glass	71	x	x
120420	Grille Screen	71	x	x
120421	Extrusion, L. H. Side	71	x	x
120422	Extrusion, R. H. Side	71	x	x
120423	Kick Plate, Front	71	x	x
120424	"W" Casting, Front, Grille	71	x	x
120425	Front Casting, R. H.	71	x	x
120426	Front Casting, L. H.	71	x	x
120427-A	Di-Noc Side	71	x	x
120428	Canopy	72	x	x
120429	Extrusion, Canopy, Bottom	71	x	x
120432	Extrusion, Door Frame	71	x	x
120435	Bracket and Stop Nut Assembly	60	x	x
120438	Shaft, Tone Arm Brush	60	x	x
120440	Decorative Background	60	x	x
120441	Bracket, Decorative Background, Upper, Support	60	x	x
120444	Casting, Record Guide, Front	62	x	x
120445	Bracket and Stop Nut Assembly	62	x	x
120448	Tone Arm and Wire Assembly, Stereo	32	x	x
120451	Gimbal and Stop Nut Assembly	60	x	x
120452	Mounting Casting and Pin Assembly	60	x	x
120455	Arm, Brush, Tone Arm	29	x	x
120457	Extrusion, Canopy Frame	72	x	x
120462	Back Rail Assembly	72	x	x
120464	Program Holder and Silk Screen Assembly, A1-D0	74	x	x
120465	Program Holder and Silk Screen Assembly, E1-H0	74	x	
120466	Program Holder and Silk Screen Assembly, L1-M0	74	x	
120467	Program Holder and Mounting Bracket Assembly, J1-K0	74	x	
120469	Record Indicator Panel	74	x	x
120470	Program Holder and Silk Screen Assembly, N1-R0	74	x	
120471	Program Holder and Silk Screen Assembly, S1-V0	74	x	
120472	Program Holder Frame and Extrusion Assembly	74	x	
120473	Program Holder Frame and Extrusion Assembly, R. H.	74	x	
120474	Program Holder Frame and Extrusion Assembly, L. H.	74	x	
120475	Label, Program Numbers, A1-K1	71	x	x
120476	Label, Program Numbers, A1-A0	71	x	x
120477	Program Holder and Silk Screen Assembly, E1-F0	74		x
120478	Program Holder and Silk Screen Assembly, G1-K0	74		x
120479	Program Holder Frame and Extrusion Assembly	74		x
120480	Program Holder Frame and Extrusion Assembly, R. H.	74		x
120481	Program Holder Frame and Extrusion Assembly, L. H.	74		x

Part No.	Description	Page No.	2600	2610
120482	Frame, Cash Box Door	71	x	x
120484	Coin Box Door	71	x	x
120486	Lower Back Door Assembly	72	x	x
120491	Wurlitzer Music	74	x	x
120492	Todays Top Tunes	74	x	x
120493	Country and Western	74	x	x
120494	Rhythm and Blues	74	x	x
120495	Rock and Roll	74	x	x
120496	New Pop Records	74	x	x
120497	Polkas and Waltzes	74	x	x
120498	Stereophonic Music	74	x	x
120499	Classical and Old Favorites	74	x	x
120500	Jazz and Novelty	74	x	x
120503	Selector Switch, Numbers	53	x	
120504	Selector Switch, Letters	53	x	
120505	Selector Switch, Numbers	53		x
120506	Selector Switch, Letters	53		x
120507	Extrusion, Wing, L. H.	71	x	x
120508	Extrusion, Wing, R. H.	71	x	x
120509	Extrusion, Back Rub Rail, R. H.	72	x	x
120510	Extrusion, Back Rub Rail, L. H.	72	x	x
120514	Medallion, Casting	71	x	x
120515	Medallion	71	x	x
120517	Cheek Casting, R. H.	71	x	x
120518	Cheek Casting, L. H.	71	x	x
120528	Amplifier, Model 543, 60 Cycle	32	x	x
120542	Coin Denomination Plate and Silk Screen "Plays - 5-Quarter, 2-Dime, 1-Nickel	53	x	x
120543	Instruction Plate and Silk Screen "Coins Quarters, Dimes & Nickels"	53	x	x
120555	Switch, Reset	53	x	x
120558	Counter and Bracket Assembly	53	x	x
120567	Mounting Bracket, Selector Extrusion, L. H.	53	x	x
120570	Mounting Bracket, Selector Extrusion, R. H.	53	x	x
120572	Box Select Light	53	x	x
120573	Cover, Select Light Box	53	x	x
120575	Door Glass, Dome	71	x	x
120576	Front Glass and Silk Screen Assembly	71	x	x
120577	Mounting Plate, Speaker, 3-1/2"	32	x	x
120578	Retainer, Front Glass	71	x	x
120580	Coin Chute Assembly, Upper	72	x	x
120584	Coin Chute Assembly, Lower	72	x	x
120588	Reject Rod	72	x	x
120590	Instruction Plate and Silk Screen "Coins - Half Dollars, Quarters, Dimes, Nickels"	53	x	x
120591	Coin Denomination Plate and Silk Screen "Plays - 7-Half Dollar, 3-Quarter, 1-Dime or 2 Nickels	53	x	x
120592	Lock Screw	53	x	x
120593	Clip, Plastic Retaining	53	x	x
120595	Window Casting and Latch Plate Assembly	53	x	x
120600	Reject Button Assembly	71	x	x
120603	Yoke and Rivet Assembly	72	x	x
120608	Bracket, Reject Rod Pivot Support	72	x	x
120615	Guide Bracket, Reject Rod	72	x	x
120617	Grille Plate and Clip Assembly	71	x	x
120627	Cross Rail and Silk Screen Assembly	72	x	x
120628	Front Panel	71	x	x

Part No.	Description	Page No.	2600	2610
120632	Hinge, Dome	72	x	x
120633	Mounting Channel, Program Holder	72	x	x
120634	Support Bracket, Program Holders, R. H.	72	x	x
120636	Support Bracket, Program Holders, L. H.	72	x	x
120639	Glass Clamp, R. H.	71	x	x
120640	Glass Clamp, L. H.	71	x	x
120645	Upper Back Door Assembly.	72	x	x
120646	Light Deflector, R. H.	53	x	
120647	Light Deflector, R. H.	53		x
120648	Light Deflector, L. H.	53		x
120649	Light Deflector, L. H.	53	x	
120650	Coin Entry Chute Assembly	71	x	x
120653	Diffuser, Canopy	70	x	x
120655	Release Lever and Hub Assembly	15	x	x
120664	Extrusion and Stop Nut Assembly	53	x	
120667	Actuator and Pin Assembly, L. H.	71	x	x
120679	Glass Clamp and Brace Assembly, L. H.	70	x	x
120680	Glass Clamp and Brace Assembly, R. H.	70	x	x
120689	Transformer, Low Voltage, 50-60 Cycle	69	x	x
120691	Transformer, Hi-Fi Output	69	x	x
120692	Tip, Actuator.	69	x	x
120696	Rectifier and Mounting Bracket Assembly	69	x	x
120699	Control, Dual Volume, 500 K	69	x	x
120701	Printed Board Assembly	69	x	x
120706	Switch, Tone Control.	69	x	x
120709	Pivot Support, Program Holder, R. H.	72	x	x
120710	Pivot Support, Program Holder, L. H.	72	x	x
120712	Actuator and Pin Assembly, R. H.	71	x	x
120718	Lock Assembly, Dome	71	x	x
120719	Cover, Motor.	69	x	x
120744	Glass, Canopy	71	x	x
120754	Selector Button, Top Tunes.	51	x	x
120755	Select Plate, Top Tunes	51	x	x
120756	Window and Silk Screen Assembly, "Special"	51	x	x
120764	Switch, Top Tunes	51	x	x
120770	Speaker, 3-1/2", 3.5 ohms	32	x	x
120771	Locking Strike Pivot, R.	71	x	x
120772	Locking Strike Pivot, L.	71	x	x
120777	Speaker, 12", P.M., 16 ohm.	72	x	x
120778	Extrusion, Overlay, R. H.	71	x	x
120779	Extrusion, Overlay, L. H.	71	x	x
120780	Overlay, L. H.	71	x	x
120781	Overlay, R. H.	71	x	x
120783	Mounting Channel and Bracket Assembly	53	x	
120784	Mounting Channel and Bracket Assembly	53		x
120786	Release Rod, Fall Support	72	x	x
120792	Trip Lever Assembly, R. H.	72	x	x
120793	Trip Lever Assembly, L. H.	72	x	x
120797	Fall Support Assembly, Right	72	x	x
120798	Fall Support Assembly, Left.	72	x	x
120799	Lever and Bracket Assembly.	72	x	x
120802	Spring and Bracket Assembly, L. H.	72	x	x
120803	Spring and Bracket Assembly, R. H.	72	x	x
120804	Extrusion and Stop Nut Assembly	53		x
120813 thru 120822	Button Assembly A through K.	53	x	x

Part No.	Description	Page No.	2600	2610
120813-A	Complete Set of Buttons	53	x	
120813-B	Complete Set of Buttons	53		x
120823 thru 120827	Button Assembly, 1 through 5	53	x	
120828 thru 120832	Button Assembly, 6 through 0	53	x	x
120833 thru 120842	Button Assembly, L through V	53	x	
120843 thru 120847	Button Assembly, 1 through 5	53		x
120852	Locking Lever and Strike Assembly, R. H.	71	x	x
120854	Locking Lever and Strike Assembly, L. H.	71	x	x
120856	Decorative Panel, R. H., Programs	74		x
120857	Decorative Panel, Programs	74		x
120873	Gasket, Canopy Glass, Top and Sides, 42-1/2"	71	x	x
120874	Gasket, Canopy Glass, Bottom, 30-5/8"	71	x	x
120875	Gasket, Door, 32-1/4"	71	x	x
120876	Gasket, Door, 18-3/8"	71	x	x
120877	Gasket, Door, 31-1/4"	71	x	x
120881	Decorative Glass, Canopy	71	x	x
120883	Moulding, R. H.	71	x	x
120884	Moulding, L. H.	71	x	x
120885	Gasket, Top, Canopy, 27-3/8"	71	x	x
120893	Retainer and Bracket Assembly	71	x	x
120896	Backing Plate and Pad Assembly	71	x	x
120901	Display Card, Upper, Blue	71	x	
120902	Display Card, Lower, Blue	71	x	
120903	Mounting Bracket and Spring Catch Assembly, R. H.	71	x	x
120907	Mounting Bracket and Spring Catch Assembly, L. H.	71	x	x
120926	Bracket, Support, Lower	60	x	x
120927	Frame, "W" Casting	71	x	x
120928	Background, "W" Casting	71	x	x
120947	Light Diffuser and Paint Assembly	71	x	x
120951	Bracket, Plug Mounting	49	x	x
120957	Pin, Pivot	71	x	x
120959	Spring and Catch Assembly	2	x	x
120960	Mounting Plate and Spring Catch Assembly	2	x	x
120964	Pin and Actuator Assembly	72	x	x
120974-S	Coin Denomination Plate and Silk Screen Plays - 10-Half Dollar, 5-Quarter, 1-Dime or 2 Nickels	53	x	x
120975-S	Coin Denomination Plate and Silk Screen Plays - 9-Half Dollar, 4-Quarter, 1-Dime or 2 Nickels	53	x	x
120976-S	Coin Denomination Plate and Silk Screen Plays - 10-Half Dollar, 4-Quarter, 1-Dime or 2 Nickels	53	x	x
120994	Decorative Panel, L. H., Programs	74		x
121023	Light Diffuser	53	x	x
121029-S	Display Card, Lower	71	x	x
121059	Bracket and Stop Nut Assembly	26	x	x
121095	Solenoid	61	x	x
121095-1	Plunger, Solenoid	61	x	x
121202	Display Card, Lower, Red	71		x
121203	Display Card, Upper, Red	71		x
121208	Insert, Program Slip Retainer	71	x	x

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121211	Light Shield, Baffle Board	72	x	x
121216	Clamp, Light Diffuser	71	x	x
121227	Spring Cup, Tone Arm	60	x	x
121229	Trip Switch, Micro.	60	x	x
121240	Pin, Solenoid Shaft	61	x	x
121249	Bracket & Stop Nut Assembly Trip Switch	60	x	x
121251	Cable, Socket and Label Assembly.	51	x	x
121252	Cable, Socket and Tape Assembly, Kit 162C	51	x	
121253	Cable, Socket and Tape Assembly, Kit 162D	51		x
121260	Terminal Strip and Link Assembly.	69	x	x
121264	Spring Clip, Canopy	72	x	x
121268	Guide, Display Card	71	x	x
121280	Letters, Dome Display.	71	x	x
121301	Switch, D. P. S. T.	69	x	x
121319	Plug and Wire Assembly	55	x	x
121337	Adjusting Nut	63	x	x
121338	Adjusting Plate	63	x	x
121340	Light Diffuser and Stiffener Assembly.	71	x	x
121352	Light Socket and Wire Assembly.	53	x	x
121402	Decal, Top Tunes	71	x	x
121423	Label, "Press a Letter and a Number Button for Each Selection"	74	x	
121424	Label, "Make Selection after Deposition Each Quarter, Dime or Nickel	74	x	
121426	Guard, Coin Chute	72	x	x
121485	Label, Record Cover.	71	x	x

INDEX TO ADJUSTMENTS . . . 2600 SERIES

TROUBLE SHOOTING CHART

POWER AND LIGHT FAILURE

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
1. No power to phonograph.	Fluorescent lamps fail to light Phonograph fails to operate.	(a) Line cord plug not making contact in outlet.	Repair or replace plug or outlet.
		(b) Line cord broken.	Repair or replace cord.
		(c) 15 amp. main fuse blown.	Check for shorts in phonograph wiring. Replace fuse.
		(d) "House" fuse blown.	Check for overload. Replace fuse.
		(e) Main switch broken.	Replace main switch in amplifier.
2. Fluorescent lamp fails to light.	Phonograph operates normally. No fluorescent lights available for program and cabinet.	(a) Defective lamp.	Replace lamp.
		(b) Defective starter.	Replace starter.
		(c) Faulty ballast.	Replace ballast.
		(d) Open circuit in lamp or ballast wiring.	Trace and repair. See Wiring Diagram Pages 41 and 43.
		(e) Lamp loose in socket.	Seat lamp firmly in socket.
3. Fluorescent lamps light. Select lamp fails to light.	Phonograph operates normally.	(a) Lamp burned out.	Replace with No. 44 Mazda Lamp.
		(b) 150 ohm resistor open on selector switch assembly.	Replace resistor. See Schematic Pages 41 and 43.
		(c) Open circuit to select lamp.	Trace and repair. See Schematic Wiring Diagram
	Phonograph fails to select or operate.	(a) Safety switch open.	Adjust safety switch. See Page 23.
		(b) Warped record jammed between record carrier and record guide casting.	Remove Warped record.
4. Select lamp lights, Phonograph fails to operate.	Phonograph selection circuit operates. Mechanism fails to operate.	(a) Record loading switch turned off or fails to operate.	Turn on record loading switch. See Page 15.
		(b) Service switch turned off.	Turn service switch on.
		(c) Defective service switch.	Replace switch.
		(d) Transfer switch contacts fail to make in at rest position.	Clean and adjust contacts. See Page 21.
		(e) Reverse relay N. C. contacts fail to make in at rest position.	Clean and adjust contacts on reverse relay located in junction box.
		(f) Play switch contacts fail to make in at rest position.	Clean and adjust contacts. See Page 22.
		(g) Over-ride switches fail to close.	Clean and adjust switches. See Page 10 or 11.
		(h) Defective changer motor.	Clean and inspect motor. Lubricate bearings.

COIN AND CREDIT FAILURE

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
1. Rejects coins.	Coins are returned or hang up in rejector.	(a) Bind in scavenger rod holding reject gate open.	Remove bind in scavenger rod linkage.
		(b) Incorrect adjustment in rejector.	Adjust rejectors in accordance to National Rejectors bulletin.
		(c) Lower coin chute not properly seated.	See Page 2, Fig. 1 for normal operating position.
2. Quarter and half dollar coins drop through to cash bag. No credits.	Quarters and half dollars fail to establish credits. Nickels and dimes establish credits.	(a) 8/10 amp. fuse blown in playrak. 25¢ and or 50¢ coins hang on coin paddles.	Adjust coin switches. See Page 3. Replace fuse.
		(b) Open or burnt coin magnet coils.	Replace coin magnet coils in playrak. See Page 4, Fig. 5.
		(c) Incorrect alignment of rejector and coin switch levers.	Seat rejector fully into mounting frame.
		(d) Dirty or incorrectly adjusted key switch.	Clean and adjust key switch as shown on page 4.
		(e) Excessive spring pressure or poor contact on coin switches.	Clean and adjust coin switches.
		(f) Open series switch. Letter or number.	Clean and adjust series switches on selector switch assembly. See page 9.
3. All coins drop through to cash bag. No credits. "Select" light fails to come on.	All coins fail to establish credits.	(a) Coin switch plug not seated in slug rejector socket.	Seat plug firmly in socket.
		(b) Open ground connection at coin switch assembly.	Check common circuit feeding all coin switches. See Wiring Diagrams 120725 or 120733.
		(c) Open circuit or faulty solder connection in coin mechanism.	Check wiring and connections. See Wiring Diagram 120725 or 120733.
		(d) 5 ampere fuse blown in D.C. circuit or 8 amp. fuse blown in A.C. circuit.	Check for short circuit. Check fuses for right size.
		(e) Open contact No. 3 and 4 (normally closed) on pulse relay.	Clean and adjust contacts.
4. Free credits on nickel or dime deposit only.	Continuous free credits on nickels or dimes. Quarters and half dollars establish correct credits.	(a) Nickel or dime coins hang on coin switch.	Adjust and check coin switch as shown on Page 3.
		(b) Nickel or dime coins hang at bottom of rejector, holds coin switch closed.	Check coin exits of rejector with coins. Remove burrs or obstruction causing coins to hang.
		(c) Nickel or dime coin switch incorrectly adjusted - contacts stay closed.	Adjust and check contact clearance and pressure as shown on Page 3.
5. Occasional extra credits on quarter and half dollar coins.	More than normal number of credits for coin deposited.	(a) Cancel pawl occasionally fails to engage next ratchet tooth of cancel wheel.	Adjust cancel solenoid position and pawl adjusting cam for correct pawl stroke as shown on Pages 5 & 6
		(b) Accumulator wheels bounce when cancel coil operates.	Same as above. See Pages 5 and 6.

COIN AND CREDIT FAILURE CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
		(c) Key switch occasionally fails to open.	Adjust key switch. See Page 4.
		(d) Burrs on rest position of accumulator ratchets.	Remove any burrs at first tooth on accumulator ratchets.
6. Occasionally fails to give the right amount of plays for coins deposited.	Occasionally selector latch pin fails to release.	(a) TR-1 releases too early. Caused by defective capacitor or open resistor across winding of relay.	Replace capacitor or resistor across winding of TR-1 used for time relay.
	Fails to establish correct amount of credits for coins deposited.	(a) Accumulator ratchet wheels fail to register proper credits.	Check setting of stop levers. See Page 5. Check lock-out levers for missing spring.

SELECTION CIRCUIT

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
1. Selector buttons lock in fail to release. Select light on.	Selection circuit and mechanism fails to operate Buttons lock in.	(a) Burnt out No. 55 lamp in bottom of junction box on 2600.	Replace No. 55 lamp
		(b) Latch switches fail to close.	Clean and adjust number and letter latch switches.
		(c) Start switch fails to make contact on 2600	Check start switch adjustment. See Page 10.
		(d) Open contacts 3 and 4 or 5 and 6 on TR-2 relay.	Clean and adjust contacts on TR-2
		(e) Open contacts, phonograph hold-out circuit. No. 3 and 4, 9 and 10 on latch relay of 261 or 259A Stepper. See Page 35 for relay contact numbering	Clean and adjust contacts. May also be short on wall box line holding relays energized.
		(f) Jumper plug out.	Jumper plug must be in Stepper Socket No. 4 on junction box when stepper is not used.
		(g) Number 3 Selector Switch plug loose in socket.	Seat plug fully into socket.
		(h) Letter coil plunger caught between rocker arms.	See instructions on adjustment of start switch and number quadrant on Pages 9 and 10.
2. Selector buttons fail to latch in.	Select light on. latch solenoid fails to energize.	(a) N. C. control contacts of latch solenoid dirty or fail to make.	Clean and adjust N. C. control contacts as shown on Page 8.
		(b) Open circuit to latch solenoid coil.	Check wiring. See Wiring Diagram 120725 or 120733.
		(c) Reset button N. C. switch held open.	Check for bind in rod or button Check contacts.
	No select light. Latch solenoid fails to energize.	(a) TR-1 relay fails to energize. Relay coil open.	Check TR-1 relay coil in coin register mechanism
		(b) N.C. contacts 3 and 4 on pulse relay open.	Clean and adjust N.C. 3 and 4 contacts on pulse relay in coin register mech
		(c) Contacts 5 and 6 on TR-1 relay dirty.	Clean and adjust TR-1 contacts in playrak.

SELECTION CIRCUIT CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
Continued		Contacts 1 and 2 on TR-2 of 2610 fail.	Clean and adjust TR-2 contacts in junction box.
3. Select light on. Electric selector operates. Phonograph fails to operate.	Selector pins fail to release.	(a) 8/10 amp. fusetron blown in letter coil circuit.	Check for grounded letter coil. Replace fuse.
		(b) Dirty contacts 5 and 6 or pulse relay or N. O. selection contact at latch solenoid on 2600.	Clean and adjust contacts.
		(c) Dirty contacts 3 and 4 on TR-1 or 3 and 4 on TR-2 or open circuit in number or letter selector switch 2610.	Clean and adjust relay contacts. See Page 35 for relay contact numbering. Refer to Wiring Diagram 120733.
	Selector pins released. Changer motor, turntable motor and amplifier fail to turn on.	(a) Bind on wobble ring or override switches not making contact or open at #2 and #3 contacts of transfer switch.	Check wobble plate for freedom of action. Check override switches. See Page 10 and 11.
4. Plays extra records when a certain selection is made.	Two or more selector pins release when one selection is made.	(a) Selector coil selected shorted to adjacent coil or coils.	Check for shorts and repair.
		(b) Short between selection circuits in selector button switches, cables or plugs and sockets.	Check for shorts and repair. Refer to Wiring Diagram 120725 or 120733
		(c) Selector crank kick-off screw not properly adjusted.	See Page 21 for correct adjustment.

MECHANICAL AND ELECTRICAL FAILURES

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
1. Selects, but fails to start mechanism.	Fails to release selector pins.	(a) Letter or number selector button backs out too far after a selection is made opening the selector circuit to the number or letter coils.	Take up lost motion in the selector button switch connector link. Check selector switch latch adjustment for minimum overtravel. See Pages 6 to 9.
		(b) 8/10 amp. fuse blown in letter coil circuit.	Check for right size fuse. Replace fuse.
		(c) Open letter coil.	Replace letter coil.
	Selector pins release. Mechanism fails to start.	(a) Open over-ride switch.	Clean and adjust switch. Page 10
		(b) Open contact on reverse relay.	Clean and adjust switches on reverse relay in junction box.
		(c) Open contact on transfer switch.	Clean and adjust switches. Page 21
		(d) Open record loading switch.	Replace switch. See Page 15.
		(e) Open service switch.	Replace switch located in junction box.
		(f) Changer motor trouble.	Clean commutator or replace motor.
2. Selects, searches, lifts record, then blows 5 ampere D. C. fuse.	Changer motor is jammed in search position with record lift arm in carrier.	(a) Transfer switch failed to actuate in reverse cycle of Changer motor.	Adjust transfer switch actuator screw. Clean contacts. See Page 21. Check over-center spring and bronze actuating spring.

MECHANICAL AND ELECTRICAL FAILURES CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
3. Plays wrong selections.	Occasionally repeats same selection.	(a). Not cancelling selector pin.	See Instructions for proper adjustment. See Pages 16, 19 and 21.
		(b) Improper adjustment of carriage switch or stop screw.	
		(c) Selector pin assembly not properly centered.	See Pages 13 and 14.
		(d) Carriage switch circuit shorted.	Check contact plate and wipers for shorts. Located at lower end of main selector shaft.
	Gives wrong selections.	(a) 2610 driver solenoid linkage loose or disconnected.	Repair and readjust driver linkage and rocker plate. See Page 12.
		(b) 2600 - Number stop coil burned or jammed.	Replace number stop coil.
		(c) Rocker arm jammed between selector pins.	See Pages 9 or 11 for adjustment of rocker plate and Page 10 for start switch adjustment.
		(d) Letter coil plunger jammed between rocker arms.	See Pages 9 or 11 for adjustment of rocker plate and Page 10 for start switch adjustment.
		(e) Transfer switch fails to actuate to rest position.	Broken over-center spring on transfer switch. Wrong size over-center spring on transfer switch. Switch not properly adjusted. See Page 21.
4. Fails to bring up record.	Main cam motor turns in reverse direction but does not drive main cam.	(a) Drive pawl spring weak or broken. Strap and spring assembly lacks tension to engage drive pawl.	Turn mechanism manually until hole in main gear is over drive pawl mounting screw. Remove nut and screw and replace drive pawl. Strap and spring assembly may be adjusted or replaced at this time.
5. Repeats same selection occasionally.	Selector crank jammed against cancelled selector pin.	(a) Wrong holding pawl engaged tooth on record carrier casting.	Check adjustment of actuating screw and stop screw. See Pages 19 and 21.
		(b) Cancelled selector pin fails to latch.	Check selector pin cancelling adjustment. Page 16.
6. Some records fail to play.	Record fails to clamp on turntable.	(a) Record hole off center.	Remove bad record.
		(b) Record Guide spacing incorrect.	See Page 24 for turntable adjustments.
		(c) Record guide track stop brackets not properly adjusted.	See instructions for adjustment on Page 18.
		(d) Record lift arm up position not properly adjusted.	See instructions for adjustments. See Page 18.
7. Turntable turns, no music.	Tone arm misses record.	(a) Undersize record.	Remove undersize record.
		(b) Tone arm feed-in start position not properly adjusted.	Adjust tone arm start position. See Page 26.
		(c) No record in carrier selected space.	Place record in empty space. Check record lift arms for freedom of action. See Page 17. Check back stop pawl setting See Page 19. Check record pilot hole for undersize. Too tight on turntable pilot. Ream record if necessary.

MECHANICAL AND ELECTRICAL FAILURES CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
8. Turntable fails to run.	Amplifier dead.	(a) Over-ride relay fails to energize.	Check Wiring Diagram 120729.
		(b) Dirty contact on override and cancel relay.	Clean and check contacts for proper action.
	Amplifier on.	(a) Loose drive pulleys.	Tighten Allen set screw in pulleys.
		(b) Defective turntable motor.	Repair or replace motor.
		(c) Turntable belt broken ("0" ring.)	Replace "0" Ring.
		(d) Plug in motor leads disconnected.	Seat amplok plug firmly into socket.
9. Record fails to cancel.	Record fails to return to carrier after playing.	(a) Trip switch not operating.	Adjust trip switch. Page 28.
		(b) Defective trip switch.	Replace defective switch.
		(c) Open contact in play switch.	Clean and adjust contacts. See Page 22.
		(d) Open in reject button.	Repair or replace reject button on amplifier chassis pan.
10. Mechanism runs slow	Changer motor slow.	(a) Dirty commutator on changer motor.	Clean changer motor commutator.
11. Record comes up. Returns without playing.	Puts record back without playing.	(a) Open contact on play switch.	Clean and adjust play switch contacts. Refer to Wiring Diagram 120725 or 120733 for other switches in circuit. See Page 22 for adjustment.
		(b) Dynamic brake circuit not working.	Check contacts in circuit at play switch, trip switch, reject button, transfer switch.
		(c) Defective trip switch.	Replace trip switch.
		(d) Reject button sticking.	Repair reject switch.
12. Throws records.	Throws records.	(a) Bind in record lift arm guide rollers.	Adjust guide rollers. See Pages 16 and 17.
		(b) Guide tips on record lift arms not properly aligned.	Straighten guide tips. See Page 17.
		(c) Bent record separators.	Straighten record separators.
		(d) Carrier not properly indexed.	See Page 19 for back stop pawl adjustment.
13. One side of record okay. The other side distorted tone.	One side of record turns at correct speed. The other side does not.	(a) Record track stop brackets not adjusted properly, causing record to drag.	Adjust record track stop bracket. See Page 18.
		(b) Record lift arm coming up too high.	Adjust record lift arm height. See Page 18.
14. Music skips.	Tone arm jumps one or two grooves, giving a thumping sound while record is playing.	(a) Worn needle.	Replace needle or turn over other tip.
		(b) Too much end play in turntable shaft.,	Shim between turntable pulley and bushing. See Page 31.

MECHANICAL AND ELECTRICAL FAILURES CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
		(c) Tone arm not balanced properly.	Check tone arm balance. See Page 27.
		(d) Tracking pressure of tone arm too light	Check tone arm needle pressure. See Page 27.
15. Excessive record wear.	Record wear faster than normal.	(a) Worn or chipped needle.	Replace needle. Replace worn record.
		(b) Bind in tone arm.	Examine Gimbal bearings for binds and adjust for freedom of action.
		(c) Incorrect needle pressure.	Adjust to 5 to 7 grams pressure. See Page 27.
		(d) Poor material in records.	Replace worn records. Check needle wear.
16. Excessive lint accumulation on needle.	Needle skips, sound distorted.	(a) Excessive lint and dust on the stylus	Remove lint from needle and brush with small brush. Spray needle, cartridge and brush with Anti-Static Cleaner.
		(b) Tone arm brush incorrectly adjusted.	Adjust tone arm needle brush. See Page 28.

SOUND FAILURE

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
1. No sound.	Turntable turning. No sound from record.	(a) Pick up cartridge open or shorted.	Check contacts on cartridge for shorts and check cartridge. Replace if defective.
		(b) Pick up cable open or shorted or plug disconnected.	Check pick-up cable for open and shorts.
		(c) Blown 1.6 ampere amplifier fuse.	Check for short circuit. Replace with correct size fuse.
		(d) Defective tube.	Replace defective tube.
		(e) Volume control turned off.	Turn up volume control.
		(f) Mute switch shorted.	Clean and adjust mute and play switch contacts. See Page 22.
		(g) Open speaker circuit.	Check and repair open speaker circuit.
2. Sound blasts in at start of record.	Automatic level control not squelched.	(a) Mute and squelch switch not connected.	Insert muting plug.
		(b) Open contact on squelch switch.	Adjust play switch to operate squelch circuit. Check contacts.
		(c) Defective 7025, 12AX7 or 12AU7.	Replace defective tubes.
3. Poor tone quality.	Tone distortion.	(a) Remote speakers mismatched.	Check remote speakers for proper phasing.
		(b) Defective cartridge.	Replace defective cartridge.
		(c) Defective tubes.	Replace bad tubes.

SOUND FAILURE CONT'D.

SERVICE CALL	SYMPTOMS	CAUSE	CORRECTIONS
Poor tone quality.	Tone distortion	(d) Chassis not floating on mounting springs.	Completely unscrew chassis holddown thumb screws.
		(e) Stereo cartridge not properly connected.	Refer to Wiring Diagram 120729 for cartridge connections.
	Waver in music.	(f) Remote speakers not properly connected.	If no remote speakers are used, read section 7, Sound System on Page 32.
		(a) Drag in turntable assembly.	Check turntable and turntable motor adjustments starting on Page 24.
		(b) Bind in turntable drive gear.	Check shift lever adjustment, Page 25 (6).
		(c) Loose drive pulley or flywheel.	Tighten pulley. Check for proper clearance. See Page 25 (5).
		(d) Too much end play in turntable shaft.	Add shim between turntable bushing and pulley. See Page 31.
		(e) Warped record.	Replace record.
		(f) Eccentric record.	Replace record.
4. Hum or other noise	Noise from speakers when mechanism is changing records.	(a) Mute switch not connected.	Check mute and play switch socket and plug or amplifier.
		(b) Mute switch fails to close.	Clean and adjust mute and play switch. See Page 22.
	Noise from speakers while record is playing.	(a) Defective filter capacitor in amplifier.	Replace defective capacitor.
		(b) Defective tube.	Replace defective tube.
		(c) Tone arm wire too close to safety and trip switch cable.	Reroute tone arm cable.