INSTALLATION INSTRUCTIONS
Latest Configuration Changes
For
Model 3700 Series and 7500A Phonographs

Materials Required

1 -	117695	Letter Latch Lever Assembly
2 -	76700-23	Diode
1	66007	Switch and Bracket Assembly
2 -	76902-34	Screw, 8-32 x 1/4 HEX. SEM.
1 -	W-381-1	Installation Instructions

NOTE: Make all change/s with power removed from Control Box

To incorporate the latest configuration changes into Model 3700, 3760 or 7500A Phonograph, perform Paragraphs A, B, D, E, and F.

To incorporate the latest configuration changes into Model 3710 Phonograph, perform Paragraphs A, C, D and F.

A.   LETTER LATCH LEVER REPLACEMENT (where required)

Verify that LETTER LATCH LEVER is equipped with PHENOLIC COLLAR as shown in Figure 1. If LETTER LATCH LEVER is not equipped with PHENOLIC COLLAR, replace as follows:
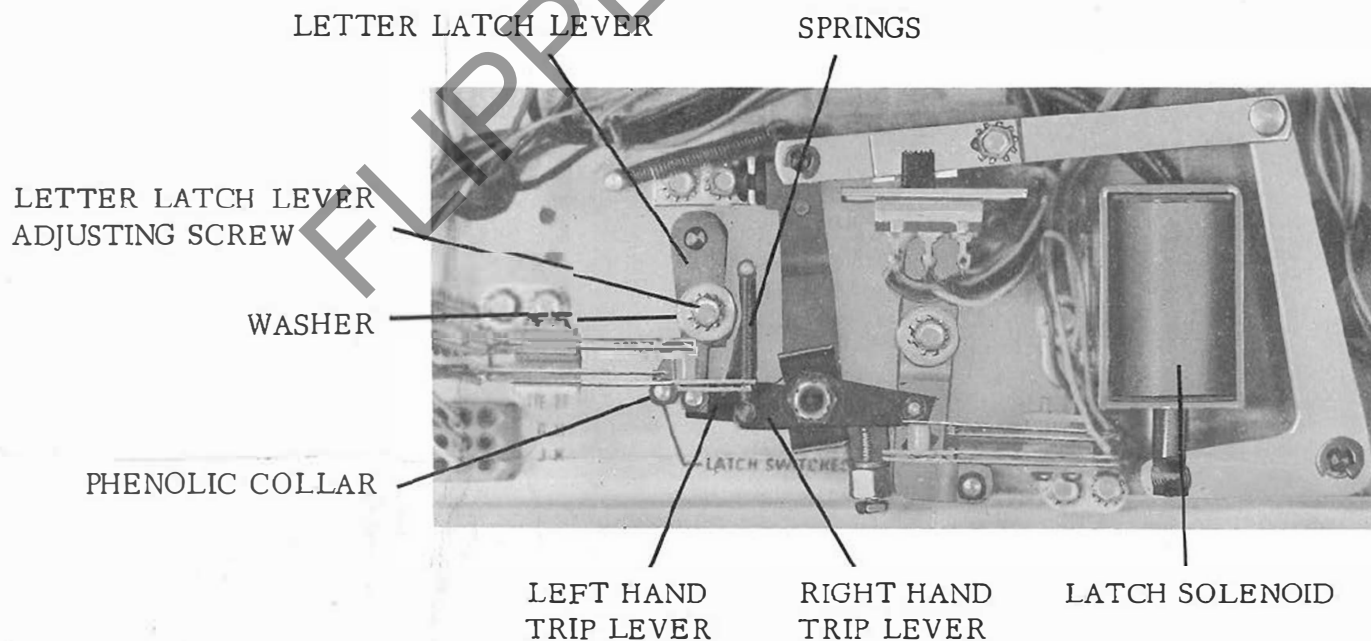

Figure 1

1.   Remove and retain SPRINGS from LEFT and RIGHT HAND TRIP LEVERS as shown in Figure 1.

2. Remove and retain LETTER LATCH LEVER ADJUSTING SCREW and WASHER.

3. Remove and discard LETTER LATCH LEVER.

4. Install replacement LETTER LATCH LEVER ASSEMBLY, Part No. 117695, on Pivot, with LETTER LATCH LEVER ADJUSTING SCREW and WASHER removed in Step 2. DO NOT tighten at this time.

5. Reinstall LEFT and RIGHT HAND TRIP LEVER SPRINGS.

6. Manually actuate LATCH SOLENOID then with a letter button fully depressed, adjust the LETTER LATCH LEVER so that its stop tab rests firmly against the stud of the LEFT HAND TRIP LEVER.

7. Maintain the setting of Step 6 and tighten the LETTER LATCH LEVER ADJUSTING SCREW.

B. SWITCH and BRACKET ASSEMBLY INSTALLATION - Model 3700, 3760 and 7500A

1. Install Switch and Bracket Assembly, Part No. 66007, on mounting plate of Selector Switch Assembly, with two Screws, Part No. 76902 -34, as shown in Figure 2. DO NOT tighten Screws at this time.
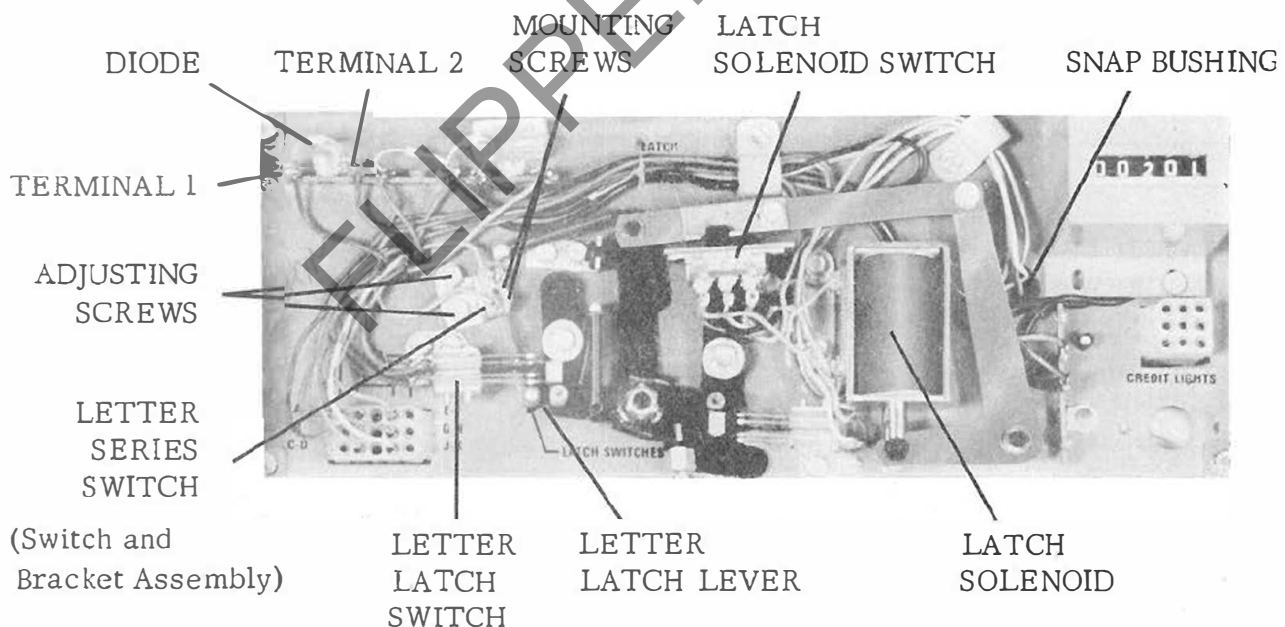

Figure 2

2. Unsolder Pink/Blue Wire from LATCH SOLENOID SWITCH. (Latch Solenoid Switch to Number 0 of Number Switch Assembly)

3. Pull Pink/Blue Wire, unsoldered in Step 2, through SNAP BUSHING at right of LATCH SOLENOID and reroute through wiring harness and through SNAP

BUSHING above LETTER LATCH SWITCH. Connect this wire to terminal of long blade of Switch and Bracket Assembly. DO NOT solder at this time.

4. Unsolder Pink/Blue Wire from Letter V of Letter Switch Assembly.

5. Reroute Pink/Blue Wire, unsoldered in Step 4, through SNAP BUSHING above LETTER LATCH SWITCH. Connect this wire to terminal of short blade of Switch and Bracket Assembly.

6. Solder both wires to Switch and Bracket Assembly Terminals.

7. Adjust Switch and Bracket Assembly (LETTER SERIES SWITCH) in accordance with LETTER SERIES SWITCH ADJUSTMENT of this procedure.

C. SWITCH and BRACKET ASSEMBLY INSTALLATION - Model 3710

1. Install Switch and Bracket Assembly, Part No. 66007, on mounting plate of Selector Switch Assembly, with two Screws, Part No. 76902-34, as shown in Figure 3. DO NOT tighten Screws at this time.

2. Unsolder and remove Tan wire connected between LATCH SOLENOID SWITCH and Number 0 of Number Selector Switch.

3. Unsolder Blue/Yellow wire from LATCH SOLENOID SWITCH (Latch Solenoid Switch to Reset Button).

4. Pull Blue/Yellow wire, unsoldered in Step 3, through SNAP BUSHING at right of LATCH SOLENOID and reroute through wiring harness and through SNAP BUSHING above LETTER LATCH SWITCH. Connect this wire to terminal of long blade of Switch and Bracket Assembly. DO NOT solder at this time.
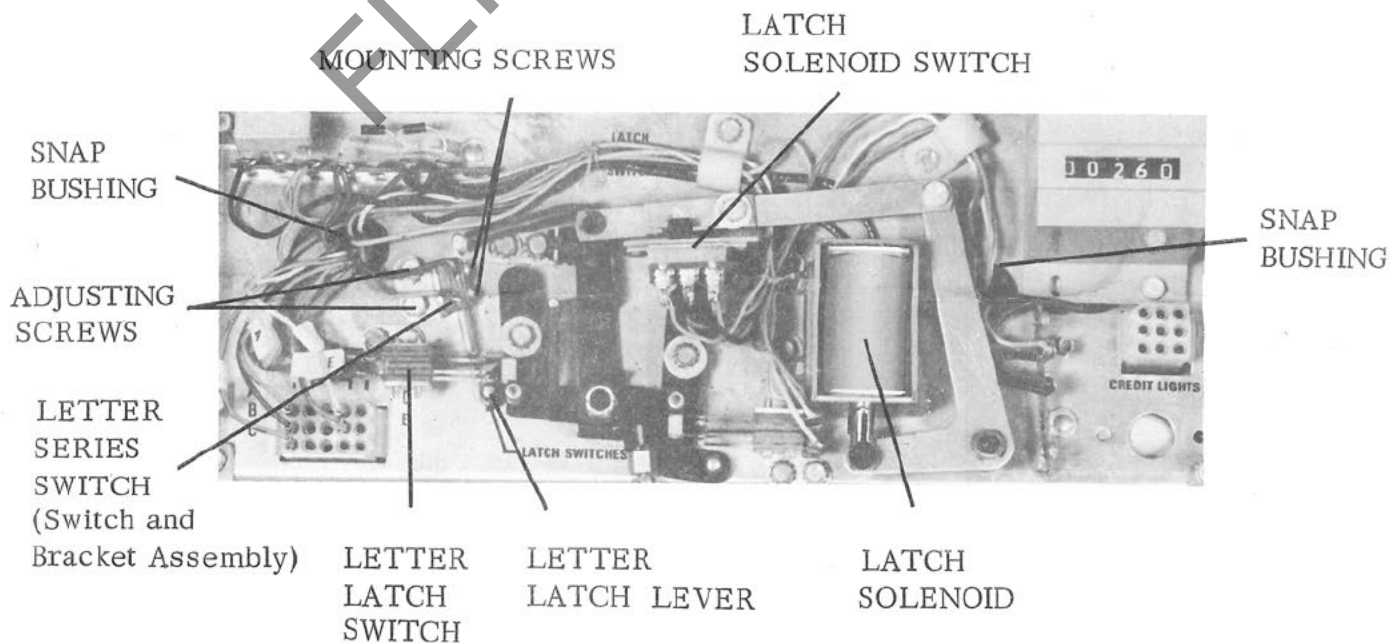

Figure 3

5. Unsolder Pink/Blue wire from Letter K of Letter Switch Assembly.

6. Reroute Pink/Blue wire, unsoldered in Step 5, through SNAP BUSHING above LETTER LATCH SWITCH. Connect this wire to terminal of short blade of Switch and Bracket Assembly. Solder connections.

7. Adjust Switch and Bracket Assembly (LETTER SERIES SWITCH) in accordance with LETTER SERIES SWITCH ADJUSTMENT of this procedure.

D. LETTER SERIES SWITCH ADJUSTMENT

1. Adjust the LETTER SERIES SWITCH for the following:

a. With a Letter button actuated the LETTER LATCH LEVER should open the LETTER SERIES SWITCH to provide 1/32" minimum clearance between contacts.

b. With letter button released, LETTER SERIES SWITCH should close with 1/32" minimum wipe (overtravel) on the closed contacts.

NOTE: LETTER SERIES SWITCH blades may be reformed to satisfy the requirements of Step a and b.

c. Tighten LETTER SERIES SWITCH ADJUSTING SCREWS.

d. With a letter button latched, verify that long blade of LETTER SERIES SWITCH is centered on Phenolic Collar of LETTER LATCH LEVER to prevent switch grounding.

NOTE: LETTER SERIES SWITCH MOUNTING SCREWS may be loosened and switch blades adjusted to satisfy the requirement of Step d. Tighten MOUNTING SCREWS.

E. DIODE INSTALLATION - SELECTOR SWITCH - Models 3700, 3760 and 7500A

1. Unsolder Blue/Yellow wire from LATCH SOLENOID SWITCH.

2. Pull Blue/Yellow wire, unsoldered in Step 1, through SNAP BUSHING at right of LATCH SOLENOID and reroute through wiring harness and through SNAP BUSHING above LETTER LATCH SWITCH.

3. Connect this wire to TERMINAL 1 on Terminal Strip as shown in Figure 2. DO NOT solder at this time.

4. Strip, tin, connect and solder 10" piece of Blue/Yellow wire, 22 Gauge, to terminal of Latch Solenoid Switch vacated in Step 1.

5. Route this wire through Cable Clamp and connect end of wire to TERMINAL 2 on Terminal Strip as shown in Figure 2. DO NOT solder at this time.

6. Connect DIODE, Part No. 76700-23, across TERMINALS 1 and 2 (Cathode to Terminal 1).

7. Solder Connections.

F. DIODE INSTALLATION - TIMING BOARD

1. Loosen Thumbscrew securing Control Box and lower Control Box to "service" position.

2. Disconnect and remove Timing Board from Control Box.

3. Position Timing Board so solder side is up.

4. Connect and solder Diode, Part No. 76700-23, from Emitter to the Collector of Transistor TR-2 (Cathode to Collector) as shown in Figure 4.

5. Reinstall and connect Timing Board in Control Box.

6. Raise and secure Control Box.

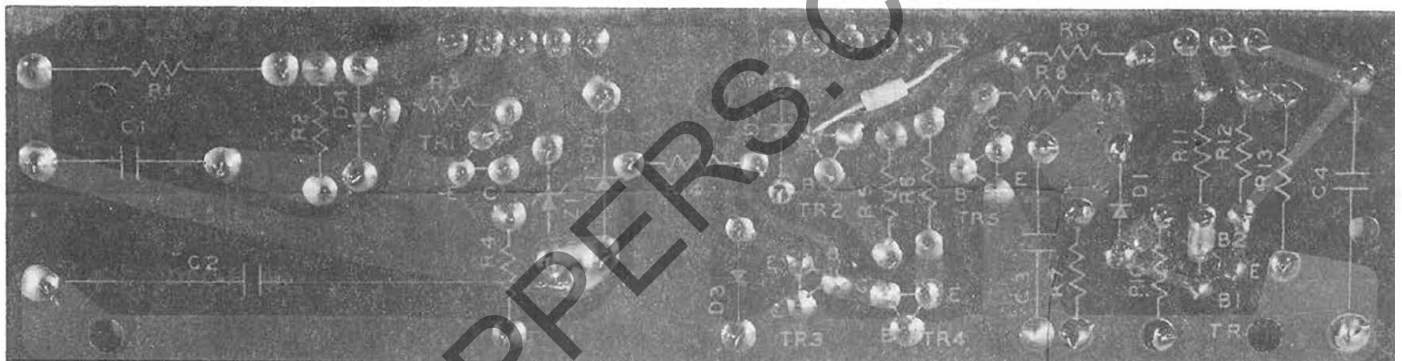NOTE: At completion of the preceeding change/s verify that Control Box power is reapplied.

Figure 4