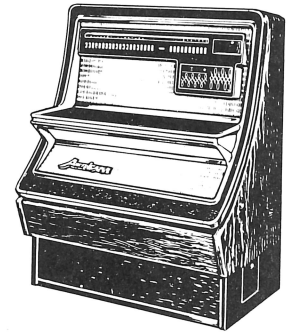


# WURLITZER SERVICE SLANT

YOUR QUESTIONS OR COMMENTS ON "SERVICE SLANTS"  
ARE WELCOME AT ANY TIME

WURLITZER SERVICE DEPARTMENT • NORTH TONAWANDA, NEW YORK



**SUBJECT:** Addition of a Switch and Bracket Assembly and a Diode to the Selector Switch Assembly and addition of a Diode to the Timing Board to preclude the possibility of damage to Transistor TR-2 on the Control Box timing Board and/or loss of established credits on BO/AC.

**AFFECTING:** All Model 3700 Series and 7500A Phonographs already manufactured.

**NOTE:** Listed below are the changes to be incorporated in the production line. Phonographs should be checked to determine change/s required.

Change	Model
Series Switch	3700
	3760
	3710
	7500A
Diode- Selector Switch	3700
	3760
	3710 (not required)
	7500A
Diode- Timing Board	3700
	3760
	3710
	7500A

## Materials Required

2- 76700-23	Diode
1- 66007	Switch and Bracket Assembly
2- 76902-34	Screw, 8-32 x 1/4 HEX SEM.

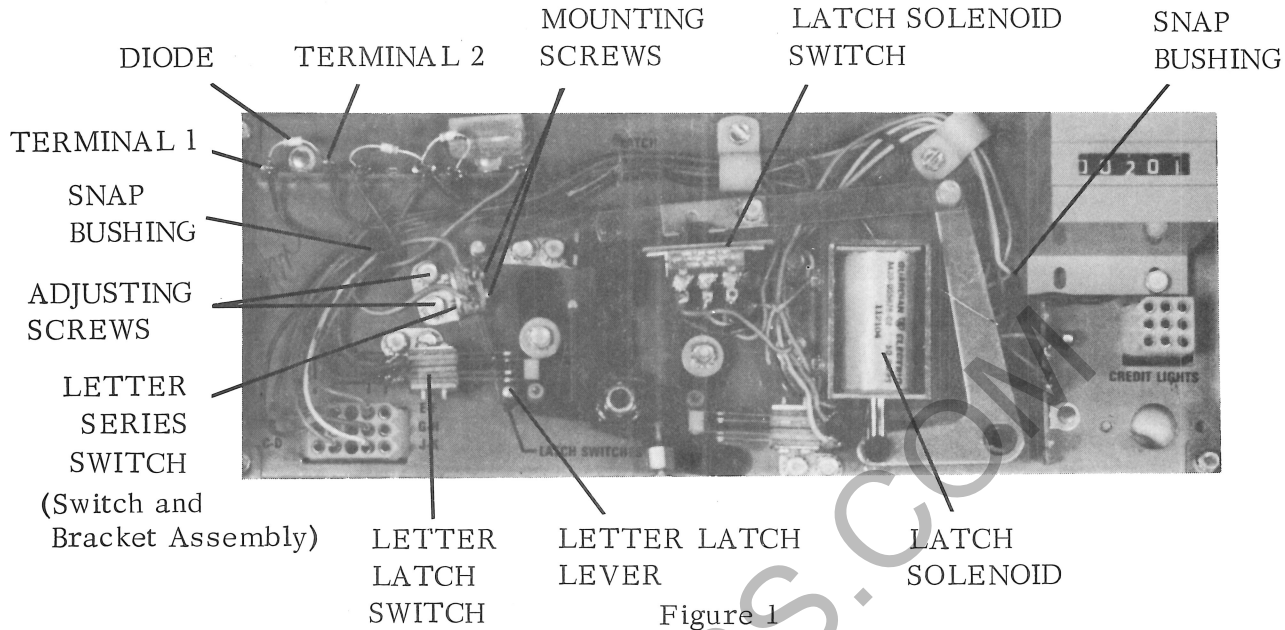
**NOTE:** Approximately 20 minutes are required to perform the following procedure.

**PROCEDURE:** After determining which change/s are required perform that portion of the following that applies to the particular change/s being made.

**NOTE:** After the Switch and Bracket Assembly is installed, it becomes the LETTER SERIES SWITCH.

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

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



2. Unsolder Pink/Blue Wire from LATCH SOLENOID SWITCH.
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 short 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 long 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.

## 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 2. 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.

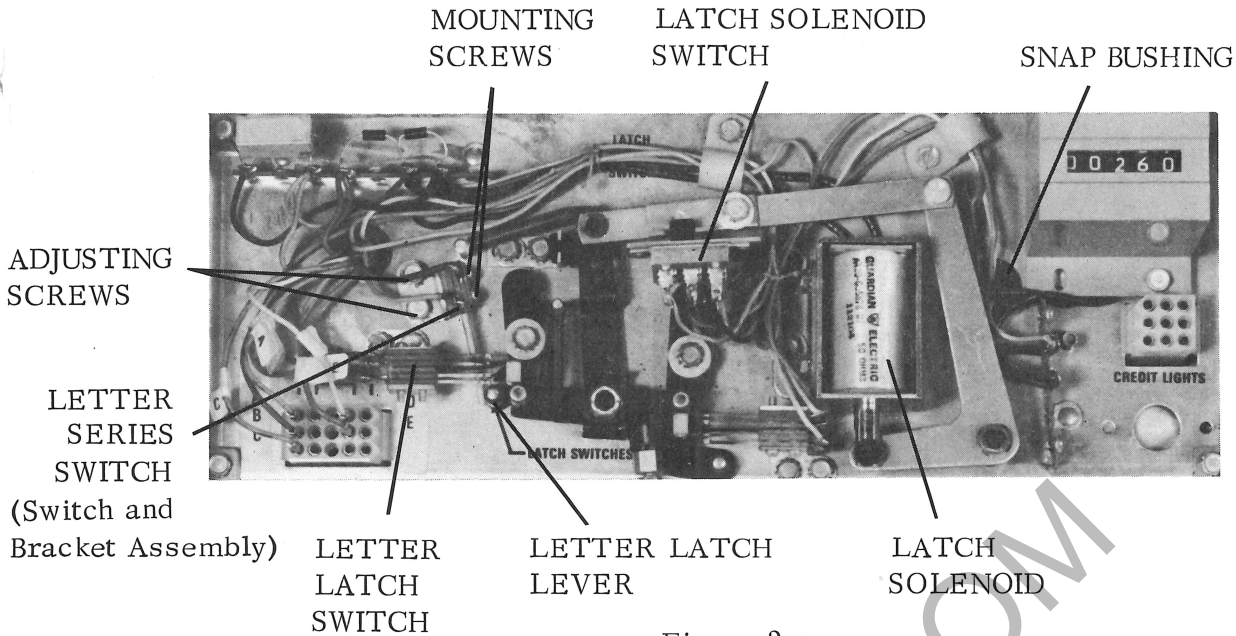


Figure 2

3. Unsolder Blue/Yellow wire from LATCH SOLENOID SWITCH.
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 short blade of Switch and Bracket Assembly. DO NOT solder at this time.
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 long blade of Switch and Bracket Assembly.
7. Adjust Switch and Bracket Assembly (LETTER SERIES SWITCH) in accordance with LETTER SERIES SWITCH ADJUSTMENT of this procedure.

#### 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 a 1/32" minimum clearance between switch 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 Steps 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.

#### 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. Connect this wire.
3. Connect this wire to TERMINAL 1 on Terminal Strip as shown in Figure 1. 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 1. 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.

#### DIODE INSTALLATION - TIMING BOARD

1. Disconnect Blue Plug from CONTROL BOX receptacle located on Power Supply.
2. Loosen Thumbscrew securing Control Box and lower Control Box to "service" Position.
3. Disconnect and remove Timing Board from Control Box.

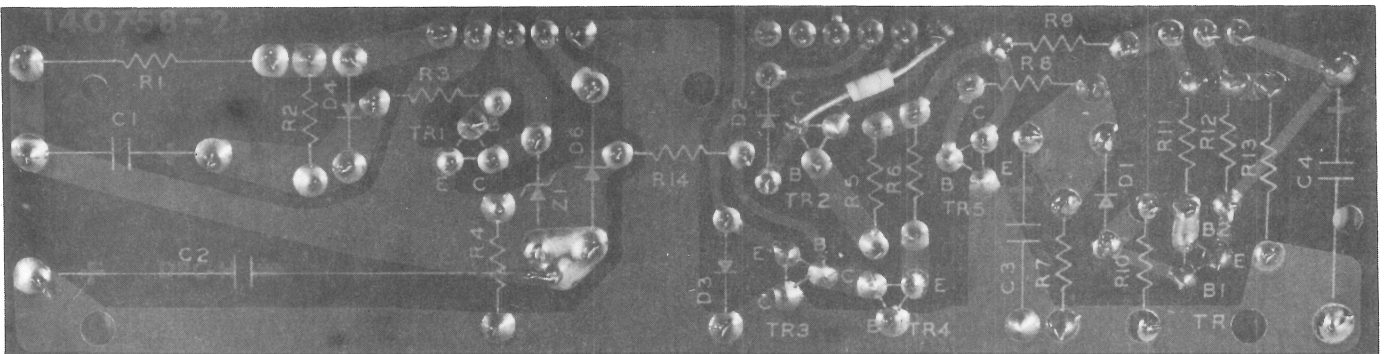


Figure 3

4. Position Timing Board so solder side is up.
5. Connect and solder Diode, Part No. 76700-23, from the Emitter to the Collector of Transistor TR-2 (Cathode to Collector) as shown in Figure 3.
6. Reinstall and connect Timing Board in Control Box.
7. Raise and secure Control Box .
8. Connect Blue Plug, disconnect in Step 1, to CONTROL BOX receptacle located on Power Supply.

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