



SERVICE SLANTS

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

ISSUED BY WURLITZER SERVICE DEPT. NORTH TONAWANDA, N. Y.

SUBJECT: Test lamp to be used for trouble shooting on low voltage electrical circuits in Wurlitzer phonographs.

NOTE: Overfusing the electrical circuits in any apparatus may cause serious damage to components.

To provide a safe and convenient method for testing Wurlitzer phonograph low voltage circuits when a blown fuse has been encountered, the assembly and use of the following test lamp is recommended. The time and cost involved is small compared to the trouble and inconvenience that may be avoided.

The parts necessary for a test lamp are:

- 1 - Cap for Bussman Fuse Post, Type HKP.
- 1 - Blown Buss Fuse
- 24" of #20 Stranded, Plastic Insulated Wire.
- 2 - TS 1034, 12 Volt, Automobile Tail Lamps.

The steps in assembling the test lamp follow:

1. Drill through the center of the fuse post cap using a Number 18 drill (approximately a 1/8" hole).
2. Drill a hole in the center of each ferrule on the ends of the blown fuse using a Number 36 drill (approximately a 1/16" hole).
3. Cut two 12" pieces of #20 stranded, plastic insulated wire. Strip 1/4" of insulation from each end.
4. Solder one wire to the end of one ferrule on the blown fuse being careful to keep the hole clear.
5. Pass the second wire through the hole in the ferrule soldered in the foregoing step and insert the end in the hole through the opposite ferrule. Solder neatly and remove excess wire and solder.
6. Pass both wires through the fuse post cap and seat the fuse firmly into the cap.
7. Strip 1/4" of insulation off each wire 4" from the end. The contact points on the base of one lamp will be soldered to the wires at the points stripped, one wire on each contact.

8. Solder the ends of the two wires to the contacts on the second lamp, one wire to each contact.
9. Tape the brass shells on the base of the lamps to prevent accidental grounding or shorts.

The fuse cap and dummy fuse is now ready to plug into the fuse holder marked D. C. 3A on the phonograph power supply in place of the 3 ampere fuse normally used. A grounded circuit will cause the lamps to light to full brilliance.

A normal circuit may cause the lamp to light dimly or to moderate brilliance, depending on the circuits energized. No light indicates that the circuits are clear and open.

The test lamp may also be used for testing the 24 Volt A. C. selection circuits by inserting the dummy fuse and cap in the fuse post marked A. C. 8A or in the fuse posts marked 8/10, 4/10 or 3/10 fusetron.

CAUTION: The test lamp is not intended for use on the 115 Volt A. C. circuits.

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TS 1034 12 VOLT AUTOMOBILE
TAIL LAMPS

