



SERVICE SLANTS

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

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

SUBJECT: Erratic selection from the Model 259-A Stepper when operated on low line voltage.

Reports have been received that occasionally the above model stepper was giving wrong selections. When this occurred it was found that the first series of impulses were solid and gave positive action to the Step-Up Pawl but the second series of impulses received sounded weak and failed to fully actuate the Step-Up Pawl resulting in wrong selections. This is caused by the voltage drop in the D. C. supply when the Driver Solenoid in the electric selector places an additional load on the circuit during the second series of selection impulses.

A change has been incorporated in the current production of these steppers eliminating the 85 ohm and the 560 ohm resistors which corrects this condition. The following steps are suggested to make this change on location when needed.

1. Remove the stepper unit from the phonograph.
2. The Functional Schematic, No. 118772 for the 259-A Stepper, will be found with the Installation Instructions shipped with each phonograph or in the Service Manual for the Model 2500 Phonograph, on Page 43. The resistors are shown in the wiring diagram connected to the winding of the pulse relay. The 85 ohm resistor is wired to the negative D. C. and the 560 ohm resistor connects to ground. Remove both resistors and solder a jumper wire in place of the 85 ohm resistor to complete the D. C. circuit to the pulse relay.
3. Replace the stepper unit in the phonograph and test for correct selection. Mark the wiring change on the schematic diagram for future reference.