



SERVICE SLANTS

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

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

SUBJECT: FADING, INTERMITTENT, OR NOISY OPERATION, MODEL 1100, 1017-A, 1080-A

The above condition can usually be traced to the oscillator coil, part number 49856, in the preamplifier.

Part number 49856 coil is wound on a bakelite form about $7/32$ inch diameter by $3/4$ inch long, which has leads of number 20 tinned wire 1-1/2 inches long at each end. The coil proper is wound on this bakelite form and the wire from each end of the coil is brought out over the ends of the bakelite form, wrapped around the lead wire and soldered. It is at these soldered connections that the defect occurs. Examination of the suspected coil will sometimes reveal cold soldered connections at this point and in some cases the small wire from the coil will be tinned and will have the appearance of a sound connection, while the solder will not have adhered to the #20 lead wire.

An ohmmeter or continuity meter check of the coil will not always reveal the condition described, however, a continuity check is advisable as a check for an open coil. The best procedure is to replace the coil assembly with a new assembly which is known to be properly soldered or to unsolder and remove the small coil wire from each lead wire, clean and tin the lead wires thoroughly and resolder the coil wires to the lead wires.

These coil assemblies are obtained by the factory from outside suppliers. The above described trouble was reported from the field and was also discovered in production at about the same time. Steps have been taken to recheck all phonographs (and all Kit 102 preamplifiers) in current production to eliminate this condition and also to prevent recurrence of this condition in the future.

Fading, noisy operation and high hum level can sometimes be traced to the .02 mfd., condenser, part number 73016-64, feeding the grid of the second triode of the 6SN7GT tube in the preamplifier. This condenser is designated as C-4 on the Model 1100 Sound System Schematic Wiring Diagram, early issue covering serial numbers 2,100,001 to 2,103,847 and as C-5 on the Model 1100 Sound System Schematic Wiring Diagram covering serial number 2,103,848 and later. Opening or leakage of this condenser will produce the symptoms described above.

Low volume and noise may be caused by defective 50 mfd., condensers, part number 50042, C-1 and C-2 on the Schematic Wiring Diagrams.

All preamplifiers in present production have been checked in regard to these condensers and effective test procedures have been instituted by our suppliers to prevent recurrence of this condition.