



For Model(s): _____ Models ISC, MS, DSA

Schematic Ref: _____ ISC No. 6, MS No. 7, DSA No. 7

Date: _____ December 1960

Subject: _____ FEDERAL REPAIR PROCEDURES

Here are a few tips that should be helpful when servicing pedals on all current Spinet Models (ISC, MS, DSA) that use the new F-6641 Neon-Type switch mechanism.

Symptom: Dead or rumbling pedals in range F-C₂ or A-C₂.

Cause: Broken jumper wire between switch groups.

Procedure: Remove switch mechanism from pedal keyboard and carefully examine wiring on back of switch terminal boards. Breakage occurs in gap between E and F or G# and A switches. Replace leads which are too short. Check positioning of all bare wire leads to avoid shorts to switch frame and/or nearby terminals.

Note: Rumbling of all pedals may be caused by damage to 1000 ohm 1/2 watt resistor on terminal board, between E and F switches.

Symptom: Rumbling Pedals.

Cause: Contact spring touching "off" buss bar and "on" buss bar at same time.

Procedure: Carefully examine top two springs on each switch section, looking for spring that touches both busses when switch is either off or on. When found, reposition green plastic buss bar spacer nearby. To do this, insert screwdriver between switch frame and spacer and twist until spacer places both buss bars just tangent to holes on terminal board that springs pass through.

Symptom: One pedal only, plays OK, but any played immediately after it, rumble.

Cause: Defective NE-23 Neon Lamp on that pedal switch.

Procedure: If any doubt, replace both series NE-23 neons on that switch.