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Date: 11/21/99

Ref #: TXDS575MUTE

Title: TX-DS575

Classification: Service Tip

Symptom: Receiver shuts down when source is selected or volume is the MIN. position.

Solution: **Defective components**

Referring to Page 41 and 42 of service manual find all location of muting transistors used. Anyone of the following transistors at location Q3383, 3483, 3186, 3187, 3188, 3684, 3683, 3583, 3283, 3183 may be leaky. The emitter of any of the above-described components should not exhibit any DC volt presence in excess of 12mv to max 20mv since it is tied to capacitor coupled signal line.

Mute duration is governed by C3194 and general muting control DC volt (+2.6) passes through Q3185. The base of all muting transistors is -12vdc when unit is operating normal. When in mute mode, muting transistors base voltage goes to approximate +2.6vdc.

Repair Procedure:

Since the unit is likely to shut down if the above problem does happen, the following simple process will keep the unit at ON state to provide troubleshooting ease. While the unit is off, disconnect P601 from the front and center power amplifier and connect a temporary ground line between P601 and P601A ground pinpoints. Disconnect P520 from surround amplifier and also connect ground wire separately between P520 and P520A. This will keep the DC pulse from getting in to the amplifier causing it to shut down.

For further amplifier safety one may short all amplifier inputs to the Ground (GND) found at the pre-amp/Volume terminal labeled P601A and or P520A. This also will reduce the HIGH input impedance condition the amplifier may develop while under service (Troubleshooting) on the unit.