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Hi-Fi Products Service Bulletin

Sony Service Company - Technical Services
A Division of Sony Corporation of America
Sony Drive, Park Ridge, New Jersey 07656

Model: STR-GX40ES

No. 301

Subject: Tuner Bleed Through

Date: October 30, 1992

Symptom:
(53)

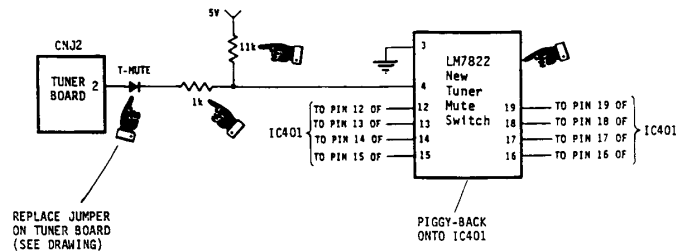
Tuner bleed through while listening to another source (ie, CD, DAT, Phono, Tape). This is most noticeable during a quiet passage or between tracks when the volume is at a high level.

The problem appears to be IC401, the analog switch LC7822. The switch and the unit are working to specification, and the following modification need only be done for those customers who find the condition unacceptable.

Solution: Implement the following circuit. This circuit mutes the tuner when another source is selected and still allows for tuner mute between radio stations or during station search.

The following parts must be added to the existing circuit:

DESCRIPTION	PART NUMBER
LM7822	8-759-805-14
11K RESISTOR	1-247-856-00
1K RESISTOR	1-249-417-11
DIODE 1SS120	8-719-912-20

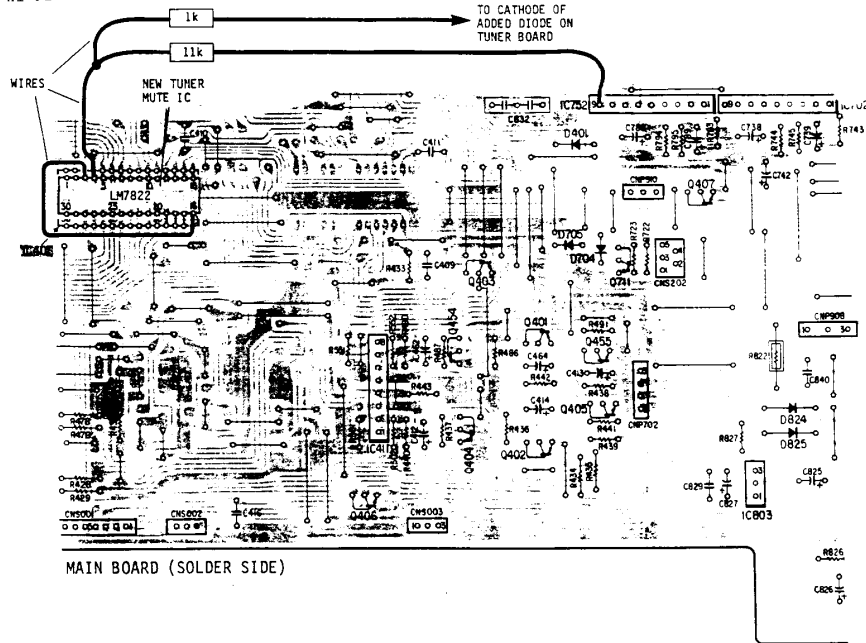


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Reference: N. Mustatae

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CSA-131092-8

CSA-13 Receiver



- Procedure:**
1. Piggy back chip to be added (LM 7822) onto IC401, soldering pins 12 to 12, 13 to 13, 14 to 14, 15 to 15, 16 to 16, 17 to 17, 18 to 18, and 19 to 19. Bend pins 2 and 4 of this new IC out and cut off pins 1,2,5,6,7,8,9,10,11,20,21,22,23,24,25, 26,27,28,29 and 30.
 2. Connect pin 3 to Pin 16 of LM7822.
 3. Connect pin 4 to 11K resistor and connect 11K resistor to 5V as illustrated. (Use IC752).
 4. Connect 1K resistor to pin 4.
 5. Replace jumper on tuner board with Diode 1SS120. Extend cathode lead through the board, as well as, soldering both leads.
 6. Solder wire from cathode lead to 1K resistor.
 7. Make sure all new wires and leads have been neatly clipped and do not interfere with the normal operation of the unit.
 8. Testing the unit should include the following:
 - a. Tuner
 - b. Tuner mute between stations
 - c. No tuner bleed through at maximum volume, especially when phone is selected.

