

SONY

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-AV920/AV1020

No. 225R1

Subject: Tuner Bleed Through

Date: May 29, 1992

This bulletin supersedes Hi-Fi Products Service Bulletin No.225.

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 IC606 and IC607, 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 this 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

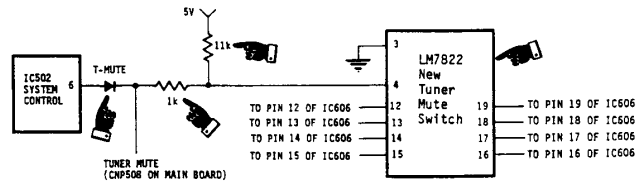


FIG.1

(Continued)

Reference: FPR M2675

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CSA-13592-5

Receiver
CSA-13

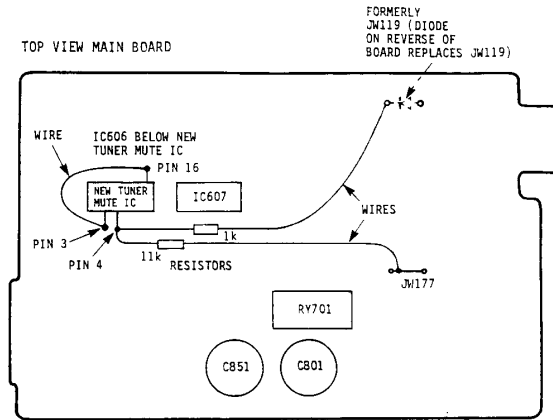


FIG. 2

Procedure:

1. Piggy back chip to be added (LM 7822) onto IC606, 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 3 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 JW177)
4. Remove surround and equalizer board.
5. Connect 1K resistor to pin 4.
6. Replace JW119 with Diode 1SS120. Extend cathode lead through the board, as well as, soldering both leads.
7. Solder wire from cathode lead to 1K resistor.
8. Install surround and equalizer board, making sure all new wires and leads have been neatly clipped and do not interfere with the normal operation of the unit.
9. 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.

Note: For DRLC users, this circuit inhibits the tuner when not selected in the main room. When tuner is selected in main room, the remote may experience bleed through.