

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-GX67ES

No. 240R1

Subject: Hissing Noise In Rear Surround Channel

Date: April 23, 1993

Symptom:
(54)

The rear surround channel has a high frequency hiss present which is most noticeable with the master volume turned up at least 50%, the rear channel level at 0db and no signal source present.

Solution: If this symptom occurs, perform the following:

1. Remove the connector cord which connects CN509 and CNP503.
2. Remove the connector cord which connects CNP304, CNP505 and CNP502.
3. Change the values of resistors R362 and R372 on the SURR VOLUME BOARD from 10K to 39K.
4. Add a 0.1uf capacitor as C399 on the SURR TUNER BOARD.
5. Form a solder bridge between jumpers JW302 and JW303 on the SURR TUNER BOARD.
6. Change the value of R603 on the REAR AMP BOARD from 1.5K to 1K.
7. Short R611 on the REAR AMP BOARD with the supplied jumper wire.
8. Change the value of C604 on the REAR AMP BOARD from 0.01uf to 330pf.
9. Change the value of C654 on the CENTER AMP BOARD from 0.01uf to 330pf.
10. Change the value of R653 on the CENTER AMP BOARD from 1.5K to 1K.
11. Short R661 on the CENTER AMP BOARD with the supplied jumper wire.
12. Add a 220pf capacitor as C690 on the CENTER AMP BOARD.
13. Short terminal 3 on RV404 which is connected to CNP505 to terminal 4 of RV404 which is connected to CNP505 on the MOTOR VOLUME BOARD. Use the supplied jumper wire.
14. Install the supplied 4-leaded connector cord.
15. Install the supplied 1-lead connector cord.

CSA - 13 Receiver



Reference: FPR-M2315

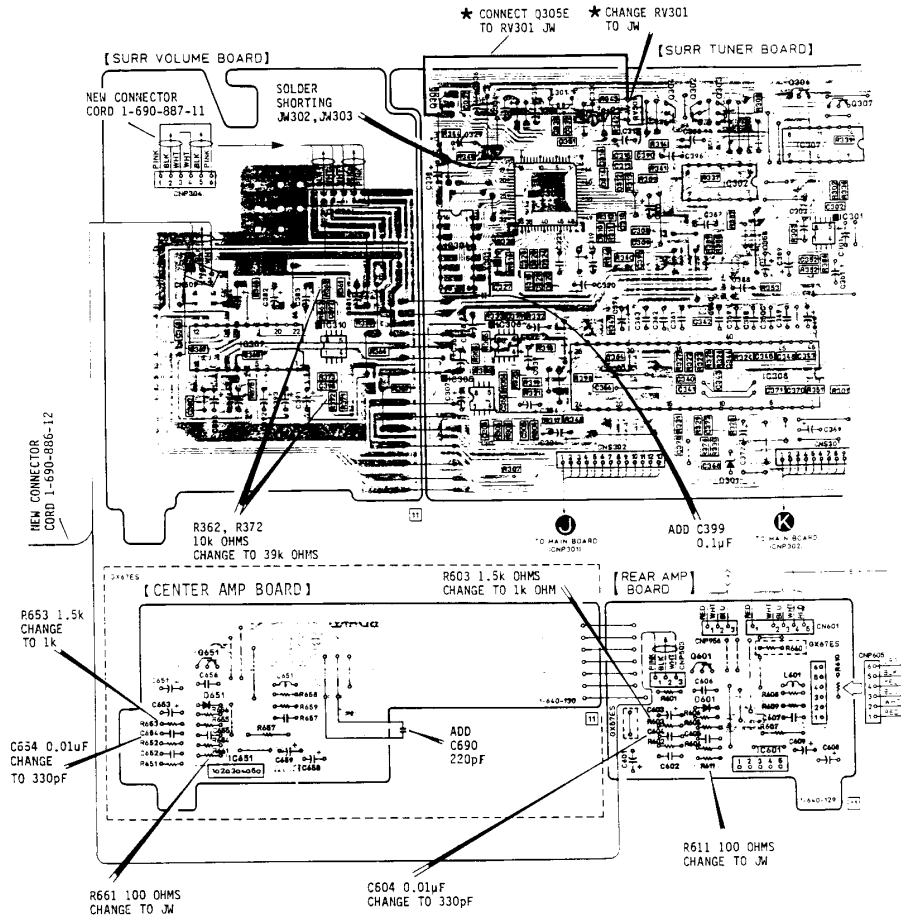
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CSA-13393-8

16. Change the value of R703 and R753 on the MAIN BOARD from 470 ohm to 680 ohm.
17. Remove C705 and C755 on the MAIN BOARD.
18. Change the value of C703 and C753 on the MAIN BOARD from 68pf to 100pf.
19. Remove RV301 from the SURR TUNER BOARD and short the terminals as shown in the attached diagram.
20. Connect the emitter of Q305 to the jumper wire installed for RV301.

DESCRIPTION	PART NUMBER	CONTENTS
HISSING NOISE REPAIR KIT	X-4942-869-3	1 - CONNECTOR CORD (4-LEAD)
		1 - CONNECTOR CORD (1-LEAD)
		2- 1K RESISTOR
		1- 220PF CAPACITOR
		1-0.1UF CAPACITOR
		2 - 39K RESISTOR
		2 - 330PF CAPACITOR
		3 - JUMPER WIRES
		2 - 680 OHM RESISTOR
		2 - 100PF CAPACITOR

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★ NOTE:
DUE TO THIS MODIFICATION, THE INPUT SENSITIVITY AND OUTPUT LEVELS
ARE CHANGED AS FOLLOWS:-

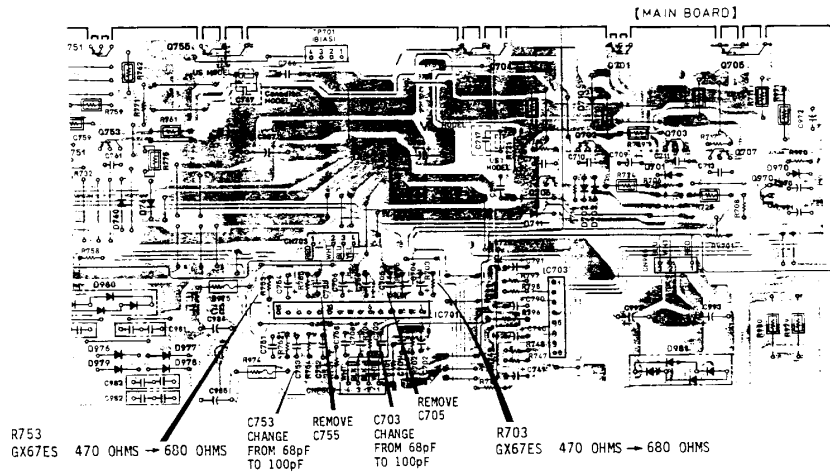
INPUT SENSITIVITY

CD, VIDEO 1, 2
TAPE, DAT 150mV → 250mV
TAPE MONITOR

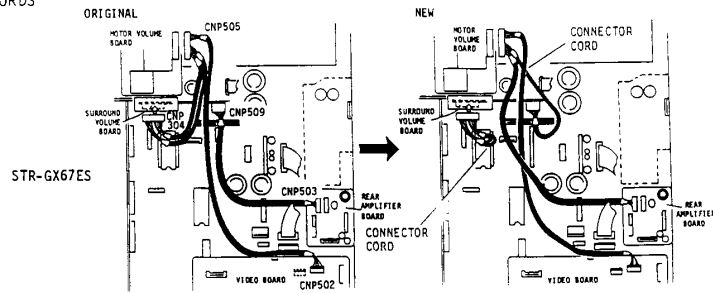
OUTPUT LEVELS

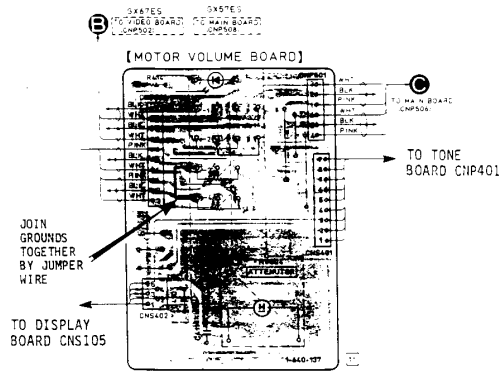
VIDEO 1 AUDIO OUT
REC OUT 150mV → 250mV

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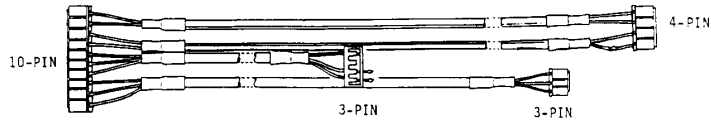


CONNECTION OF
NEW CONNECTOR
CORDS





CONNECTOR CORD (4-CONNECTOR TYPE)



CONNECTOR CORD (1-CONNECTOR TYPE)

