

SONY.

Car Stereo
Service Bulletin

CSA-14

Sony Service Company - Technical Services
A Division of Sony Electronics Inc.
Sony Drive, Park Ridge, New Jersey 07656

Model: DTX-10

No. 319

Subject: Audio Dropouts Caused By High Or Low
Temperatures

Date: March 28, 1994

Symptom:
(51)

The audio may contain dropouts when the unit is operated in high or low temperature environments.

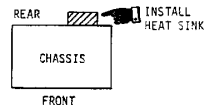
Solution: If the customer complains of this symptom, follow the procedure shown below.

REF	DESCRIPTION	PART NUMBER
-	HEAT SINK (DAT) ASS'Y	X-3367-351-1

Procedure: 1- Add a wire between the ground plate of the Servo board and the mechanical deck.

- a- Remove the mechanical deck.
- b- Solder a wire (with a solder lug at the other end) to the shield plate of the Servo board (below the loading motor. See charts I and II).
- c- At this time, make sure that all 4 screws which secure the Servo board to the mechanical deck are tight.
- d- Re-install the mechanical deck, this time inserting one screw through the solder lug on the wire installed in step b.

2- Install a heat sink (part number X-3367-351-1) on the rear side of the chassis. Use heat sink compound between the chassis and the heat sink, and secure the heat sink with screws supplied with the heat sink assembly.



3- Adjust the tape path (refer to Service Manual Supplement # 2).

- a- Play a pre-recorded tape. Make sure that the waveform on the oscilloscope shows Margin 1 and Margin 2 as shown in Chart IV or Chart V.

(Continued)

Reference: FPR-O
Autoflagged - NO



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b- If Margin 1 does not appear on the oscilloscope, rotate Roller Guide(S) counterclockwise. If Margin 2 does not appear on the oscilloscope, rotate the Roller Guide(T) clockwise. Adjust the guides so that the level of noise shown in Chart V is as low as possible.

c- Play test tape TY-7231 and adjust the guides so that the RF waveform conforms to the Tape Path Adjustment procedure shown in supplement # 2 of the service manual.

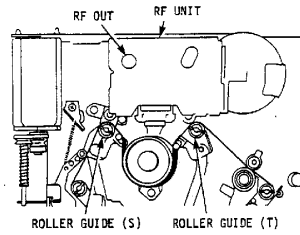
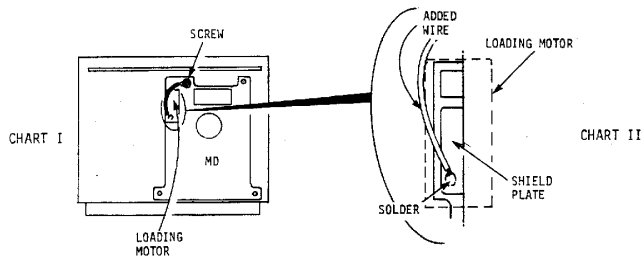


CHART III

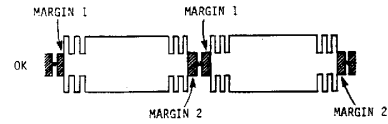


CHART IV

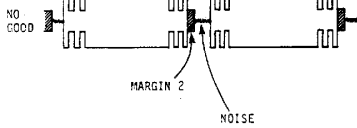


CHART VI

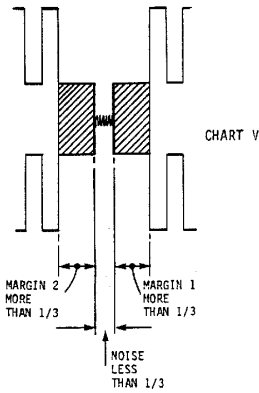


CHART V