Technical Bulletin T763

Product: A/V Receiver
Hardware Technical Bulletin: T763-H2004-01

Date: **June 15, 2004** ***Subject:*** **Residual Noise**

Note: **Implemented in production from Serial number: R44T76303751**

Previous T.B.'s required:

- ☐ **YES**
- ☒ **NO**

DESCRIPTION: At high volume setting with no signal on an un-terminated analogue input, there maybe some audible residual hum noise and whistling sound coming from one or more channels.

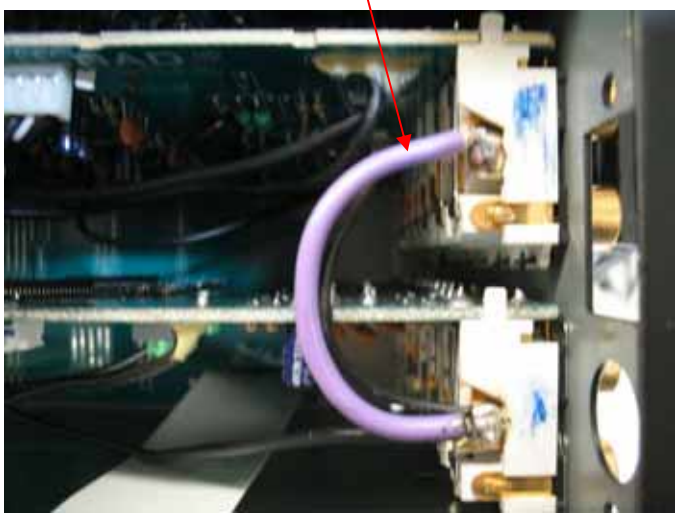
REASON: The residual noise is coming from power supply ground and DSP board ground. The whistle noise is coming from the DSP board.

SOLUTION: Remove the DSP board and order a replacement DSP board from our spares department .Order under the number in the service manual. Perform the following ground changes to lower residual hum noise.

T763 Ground changes

1. **Change the cable between J617 on Pre-out board and Multi-channel RCA from AWG22 to AWG18.**

Figure 1



Note: If this is not present on the unit, add AWG18 cable between Pre-out RCA and Multi-channel RCA.

Technical Bulletin T763

Product: A/V Receiver
Hardware Technical Bulletin: T763-H2004-01

T763 Ground Changes

2. For J705B on AUDIO PCB, cut all the AGND pin. That is pin 1, 3, 9 & 12. Please refer to figure 2.

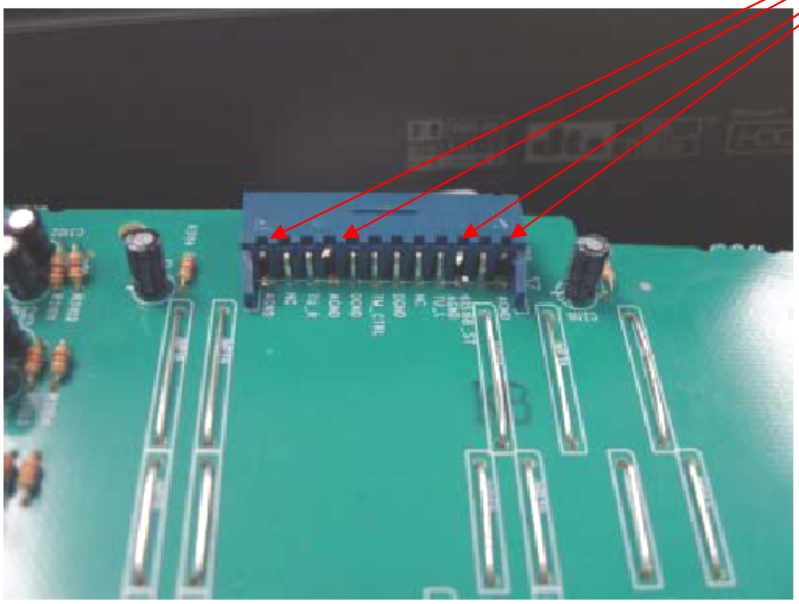


Figure 2

3. Install a 18AWG ground wire from the DSP board to the Multi channel RCA connector ground. See Figure 3.

Figure 3

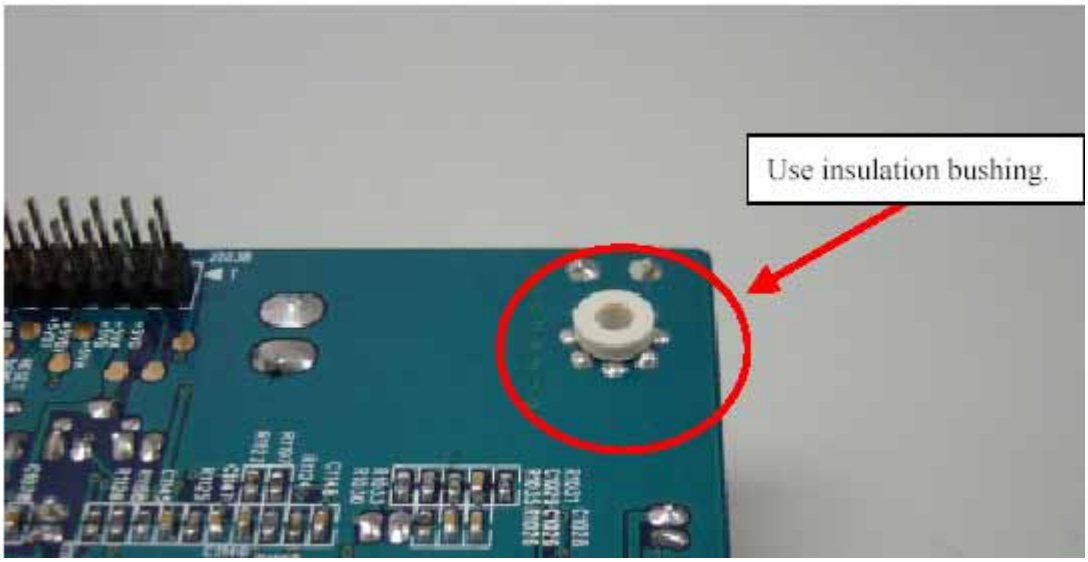
Technical Bulletin T763

Product: A/V Receiver
Hardware Technical Bulletin: T763-H2004-01

T763 DSP Changes

4. When installing new DSP board please perform the following. Float the DSP AGND (including the grounding bracket) from chassis using an insulated washer. See figure 4 and figure 5.

FIGURE 4



Contact:
NAD Electronics International
633 Granite Court
Pickering, ON Canada L1K 3K1
Voice: 905-831-0799 FAX 905-837-6357
www.nadelectronics.com

Technical Bulletin T763

Product: A/V Receiver
Hardware Technical Bulletin: T763-H2004-01

T763 DSP Changes

5. Mount the front panel ground cable to the nearest front panel screw. See figure 5.

Figure 5

Contact:
NAD Electronics International
633 Granite Court
Pickering, ON Canada L1K 3K1
Voice: 905-831-0799 FAX 905-837-6357
www.nadelectronics.com