



Technical Bulletin T753

Product: *A/V Receiver*

Hardware Technical Bulletin: *T753-H2004-02*

Date: *June 15, 2004*

Subject: *Residual Noise*

Note: *Implemented in production from Serial number: R44T75307575*

Previous T.B.'s required:

- YES T753H2004-01
 - NO
-

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

REASON: *This residual noise is coming from the DSP PC board and power supply ground.*

SOLUTION: *Perform the following ground changes to lower residual noise.*

1. Add jumper wire between DSP AGND (grounding bracket) and Multi-channel RCA (the blue wire in the photo, use AWG #18). See Figure 1.

Figure 1



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2. Add a jumper wire between the multi-channel RCA connector and the Pre Amp connector, must be 18 gauge wire. See figure 2.

Figure 2



Contact:

NAD Electronics International

633 Granite Court

Pickering, ON Canada L1K 3K1

Voice: 905-831-0799 FAX 905-837-6357

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

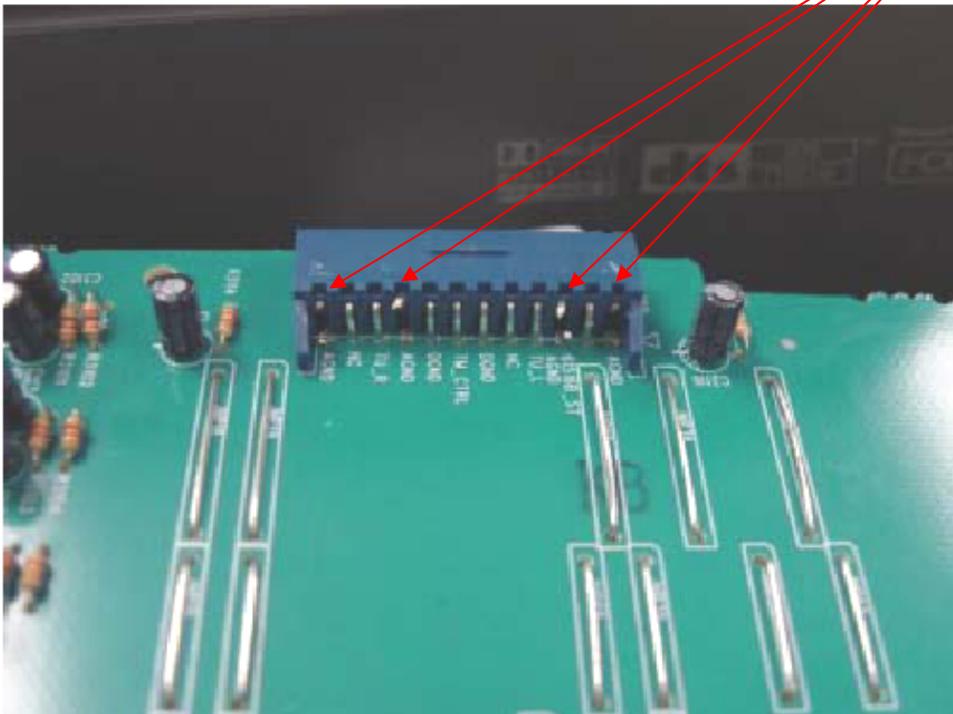


Figure 3

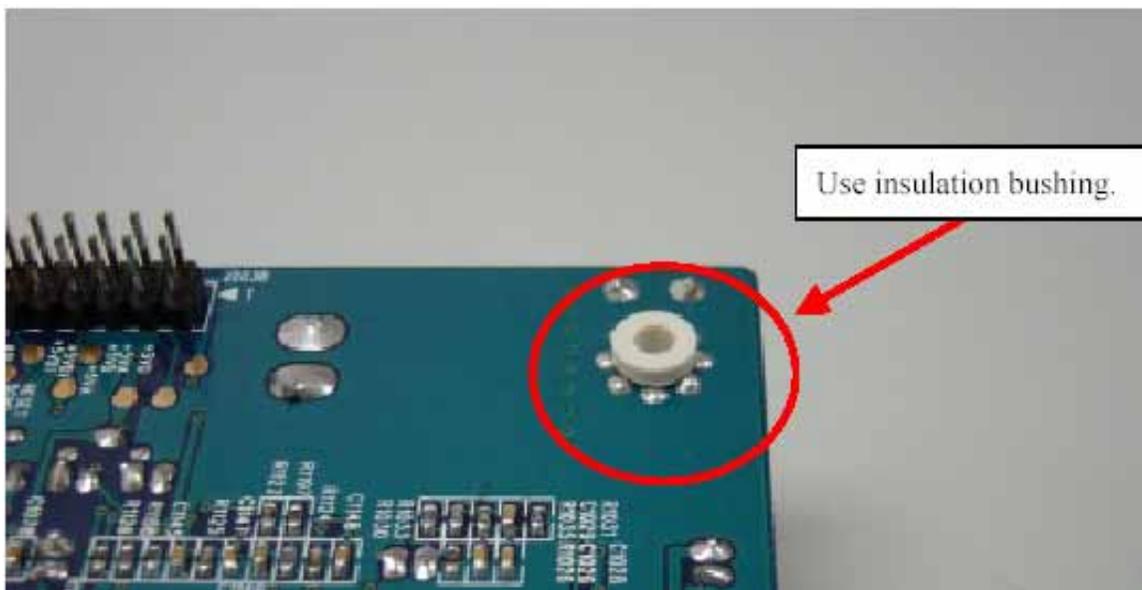
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4. Float the DSP AGND (including the grounding bracket) from chassis. See figure 4 and 5.

FIGURE 4



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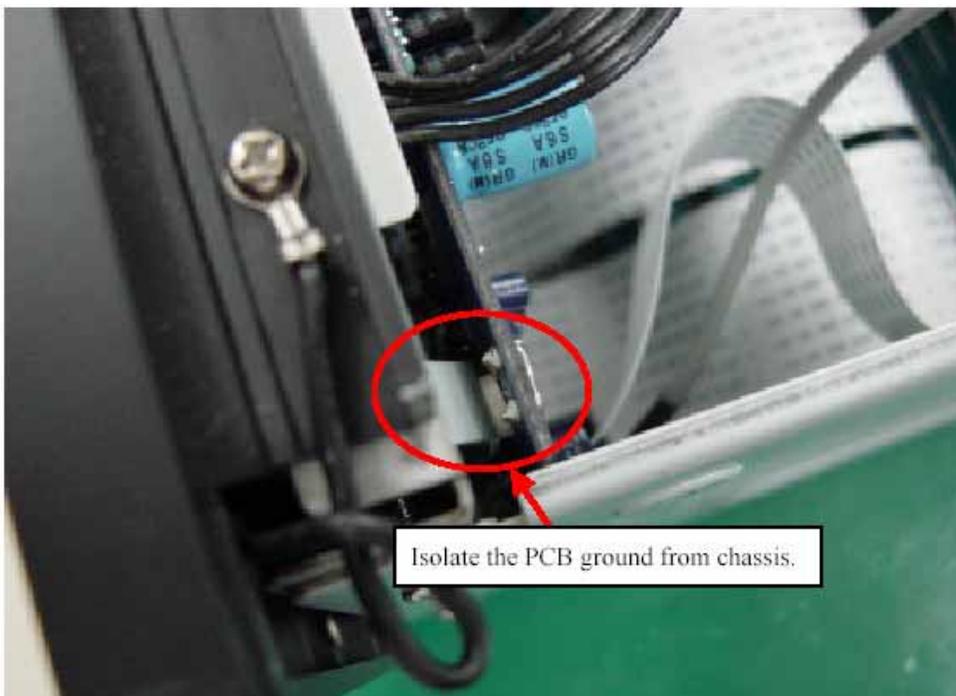
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5. Mount the front panel ground cable to the nearest front panel screw. See figure 5.

Figure 5



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