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**ONKYO**

18 Park Way, Upper Saddle River, NJ 07458

## Technical Tip

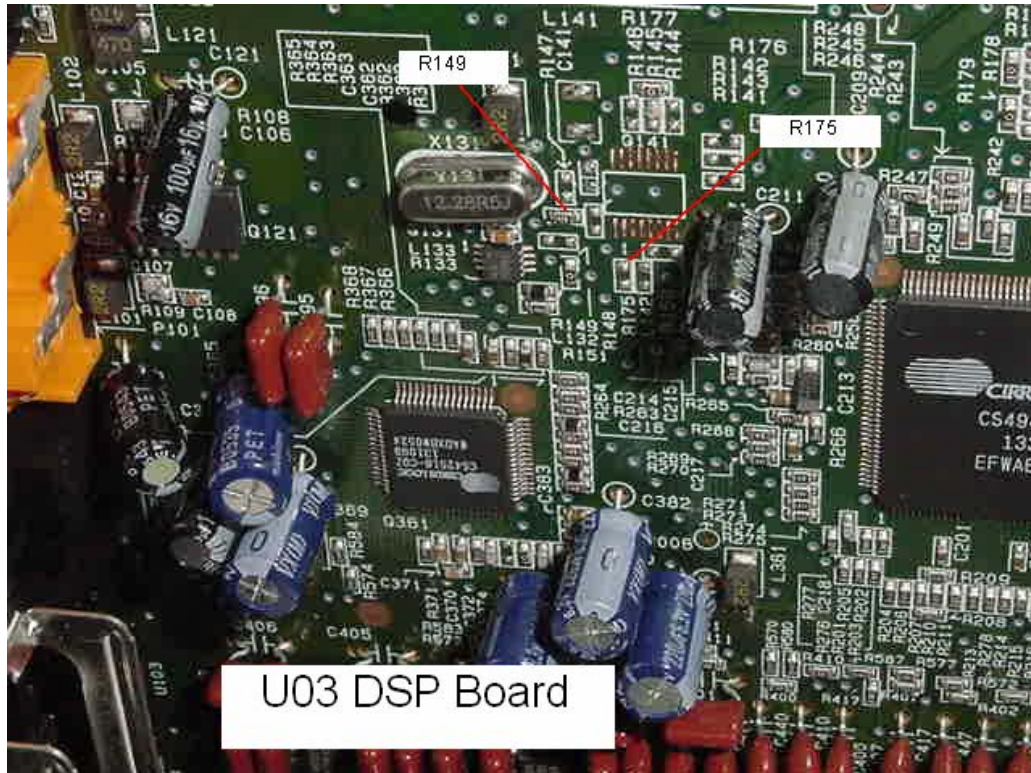
**Date:** April 6, 2006

**Model:** TX-SR803/SR703, DTR-4.6/5.6/6.6/7.6

**Subject:** High pitched noise is heard in the subwoofer.

**Symptom:** A high pitched noise or, a motorboat noise can be heard when using the Optical, Coaxial or HDMI input.

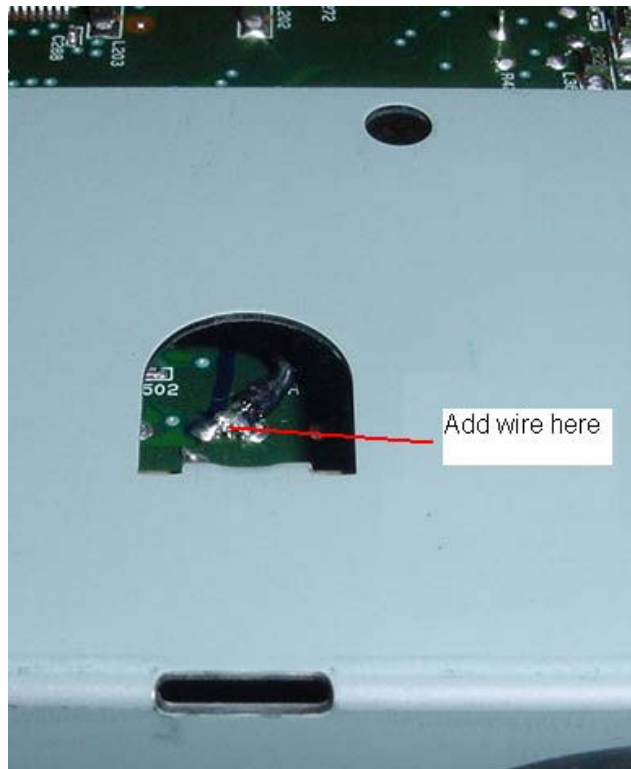
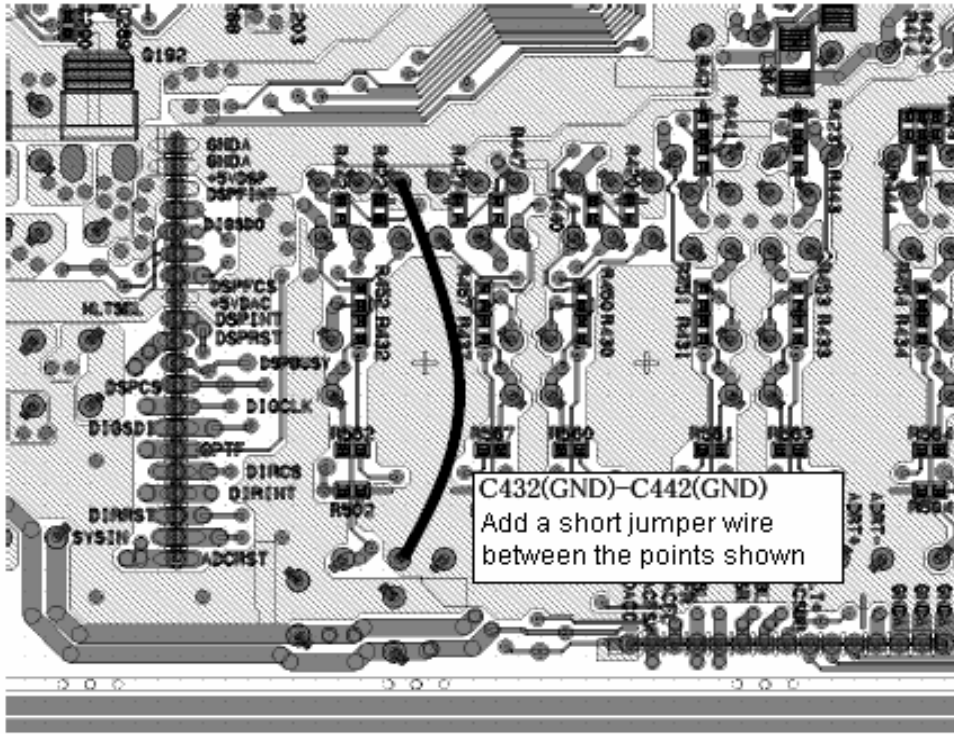
**Solution:** If the DSP board (U03) is marked NADG-8660-1 (see board version pictures) modify the DSP board as follows:  
Relocate resistor R175 (47ohm) to location R149.



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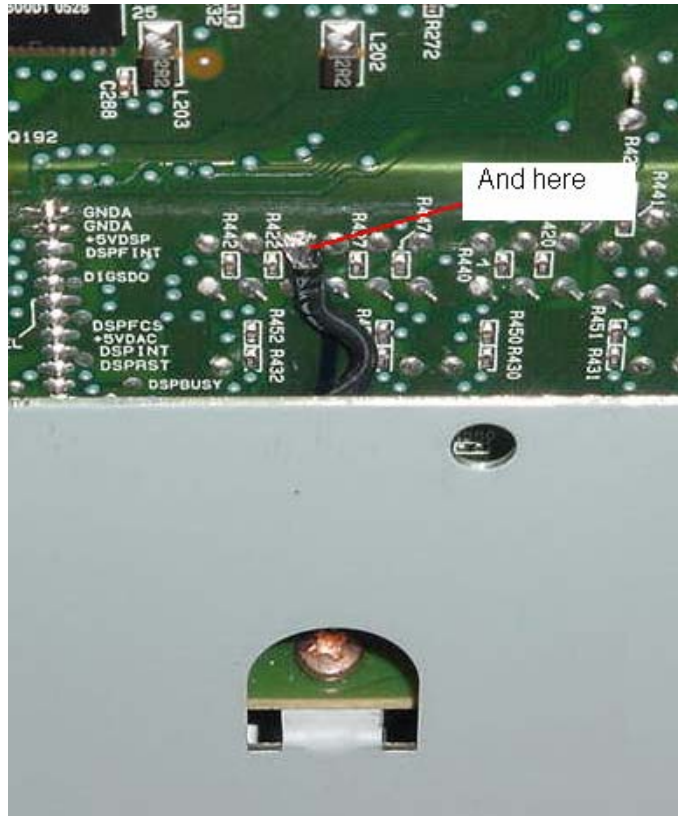
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Add a jumper wire to foil side of board between the ground legs of C432 and C442.

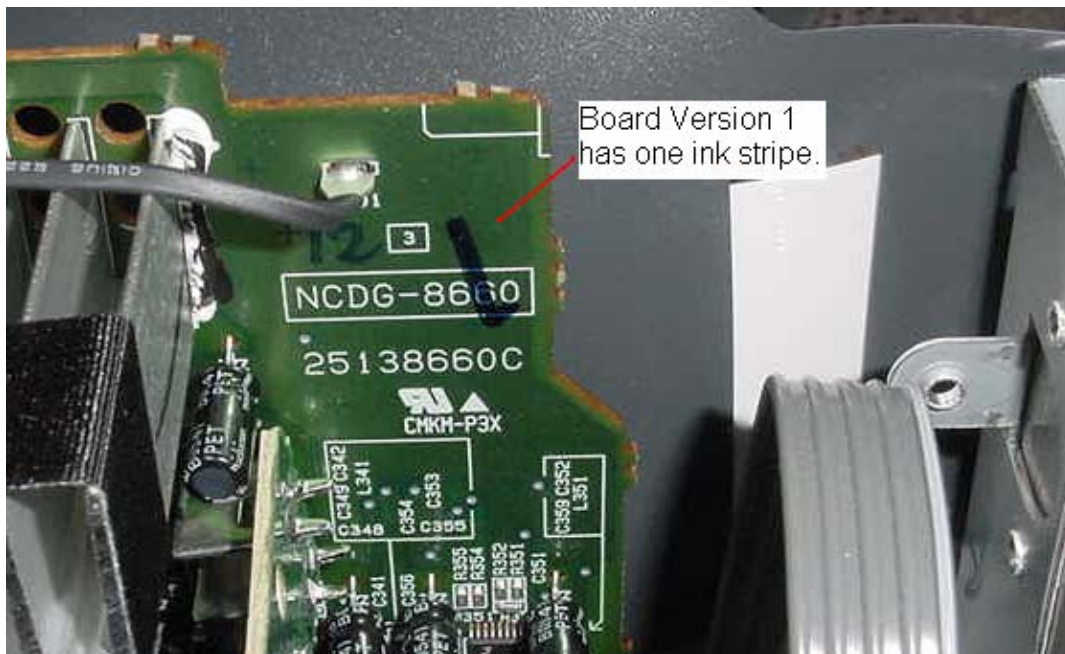


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Board version 1 can be identified by the ink stripe marking. One line indicates the board is version one.

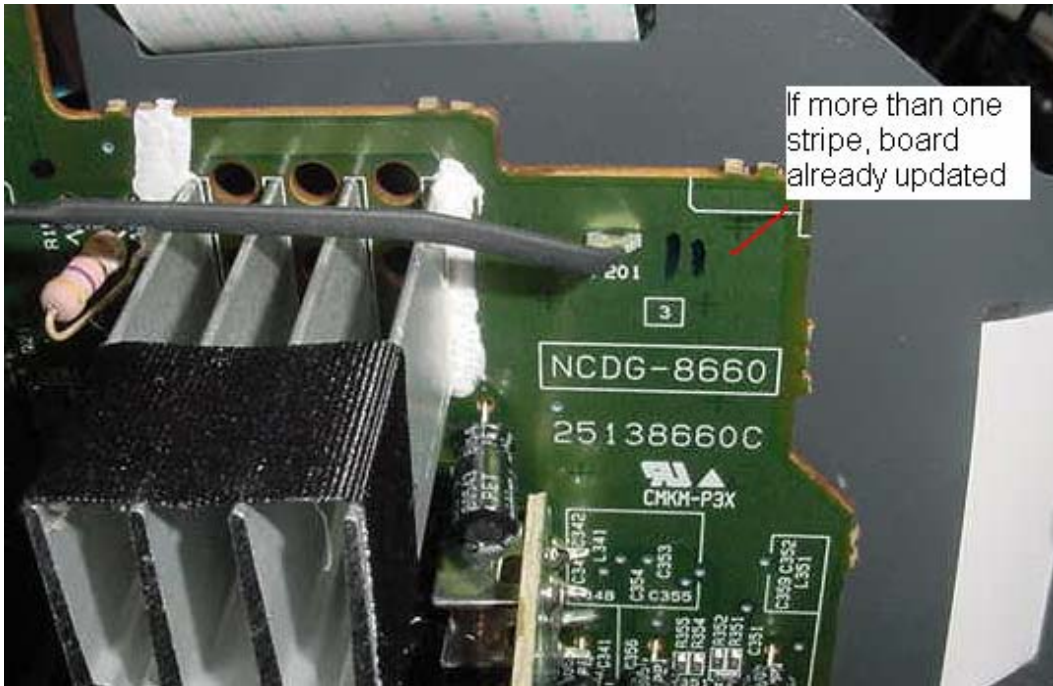


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Two or more lines indicate a later revision board.



Note: On later revision boards, R175 is a zero ohm resistor and R149 already has a 47 ohm resistor mounted on the board. In this case, you just need to add the jumper wire.

### Parts:

Ref#	Description	Part Number
R175	47 ohm carbon resistor RN72K1J-470JE	435034704R1

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