



Technical Bulletin L53

Product: DVD Receiver

Hardware Technical Bulletin: L53-H2005-01

Date: June 27/05

Subject: SRS Distortion

Note:

Previous T.B.'s required:

YES

NO

DESCRIPTION: In SRS mode when playing certain CD's and some DVD'S distortion can be heard coming from the speakers.

REASON: The input level to the SRS decoder chip is to high.

SOLUTION: In figure 1 the red circle is the part of the circuit to change. R383 and R384 are 470 ohms. By lowering these resistor values , distortion in SRS mode will be corrected.

Start by removing the top cover and locate the Audio pc board. This is the upper pc board mount behind the dvd mechanism.

On the component side of the Audio board locate surface mount chip resistors R381 and R382. Check that their value is 1k ohm each. See figure 1 and figure 2.

On the Audio board disconnect the tuner module flex cable CN22(see figure 3.) Main board flex cable (CN24), SPDIF harness (CN33) , and connector board (BN25/26). Remove the 6 screws from the back panel securing the Audio board.

The resistors that require lowering are R383 and R384 , 470 ohms each. The addition of another 470 ohm resistor in parallel with each resistor will give an overall resistance of 235 ohms each.. To do this lift the board and turn over to access the foil side . Mount the two resistors (470 ohm 1/6w) from the negative side of C234 and C236. to ground at pin-1 on BN23. See figure 4 .

NOTE: To enjoy SRS on this player we recommend that SRS mode is used with source material that is surround encoded. Certain stereo material will give unpredictable results.

Contact:

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Figure 1 (schematic of Audio board)

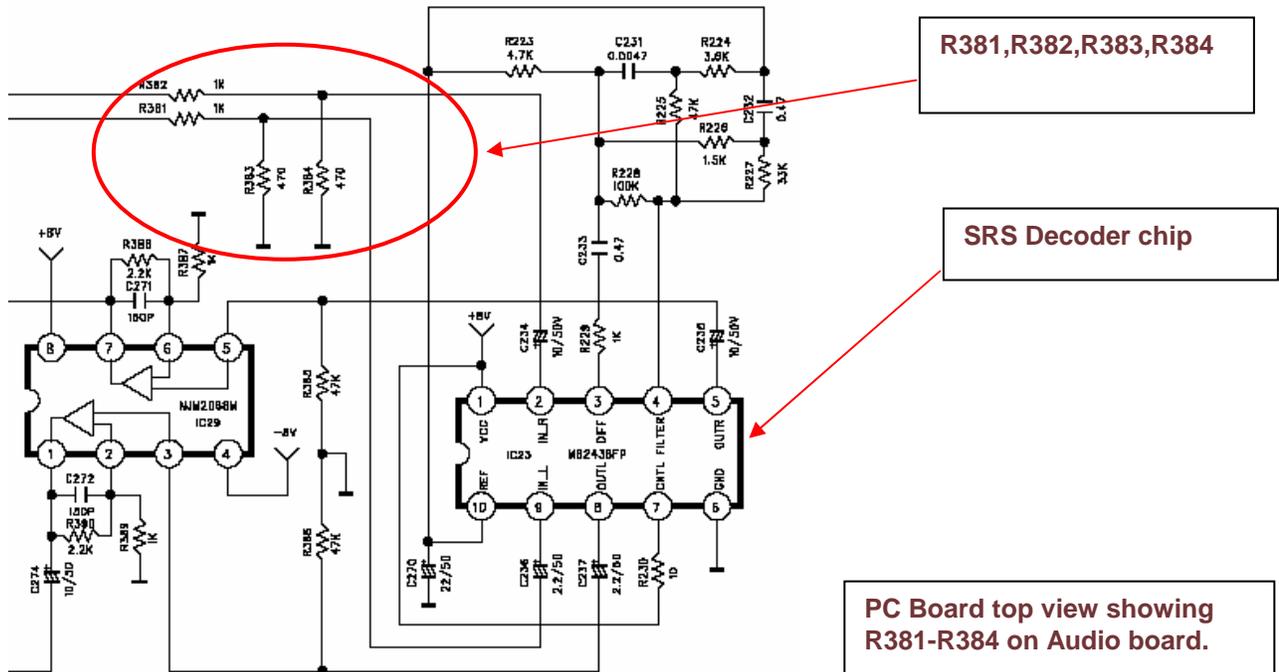
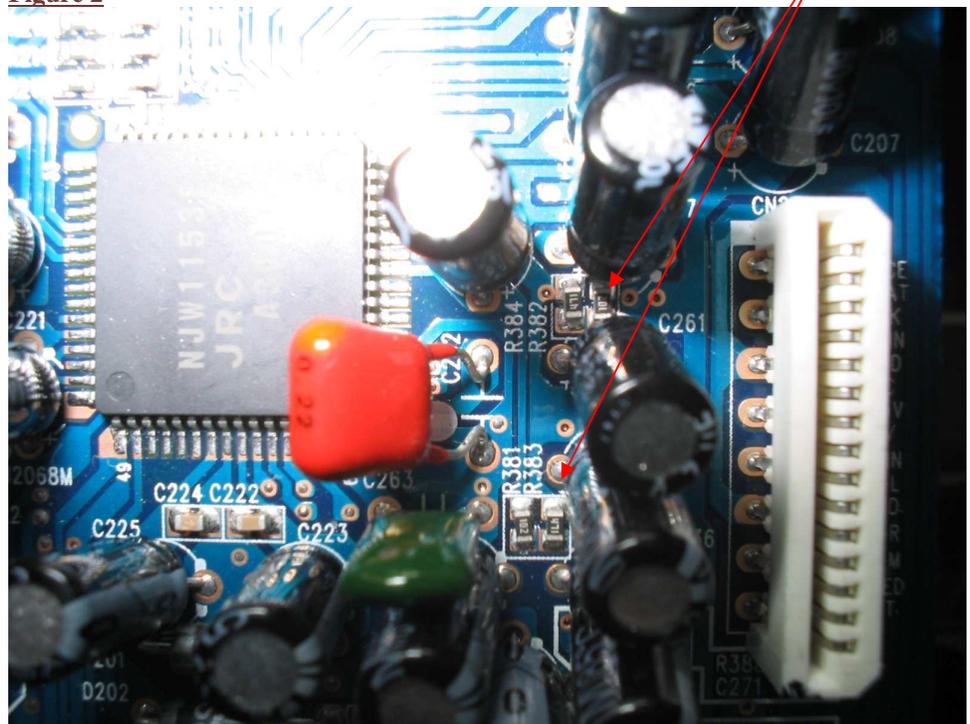


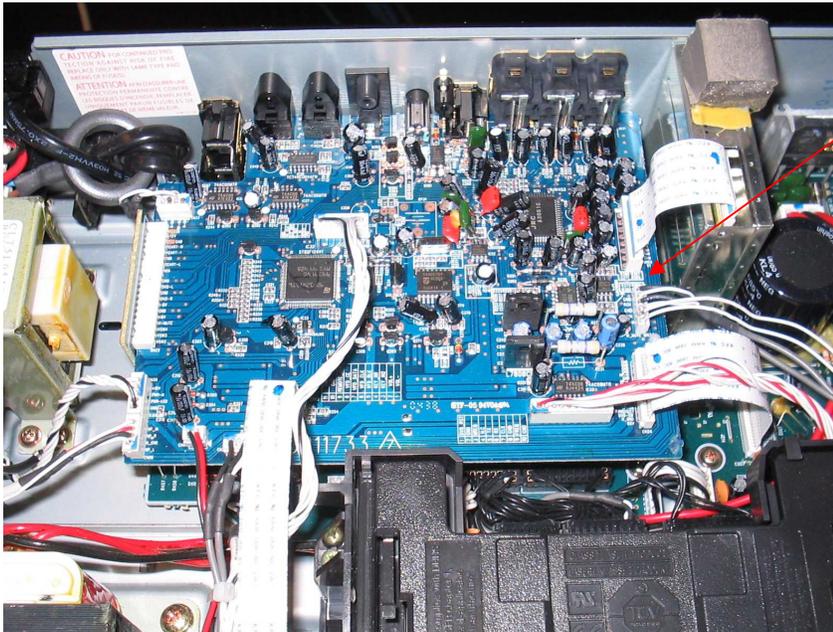
Figure 2



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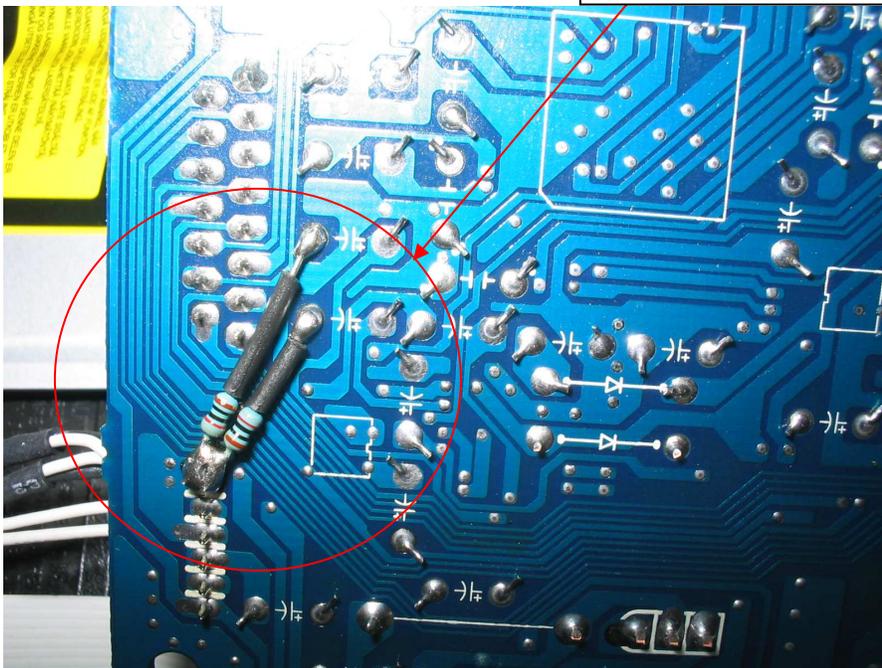
Figure 3



Audio PC Board

Figure 4

Bottom of Audio board showing addition of 470 ohm resistors





Technical Bulletin L53

Product: DVD Receiver

Software Technical Bulletin: L53-S2005-01R

Date: March 17/05

Subject: Software Upgrade Procedure
for L53

Note:

L53 Software Upgrade Procedure

Warning: If the front panel keys or remote keys are pressed (or the tray is closed) during the upgrade process (steps 6 thru 9) this could permanently delete the software and the unit will not come out of standby.

Please check software version first by performing steps 1, 2 and 3. This will display a screen with text showing the current software version. To identify the version, look at the left hand column, second line down from the top. The letters, BE VER are shown. Look across to the right and the software version will be shown. As an example, software version 086, will display NL530086/NTSC or NL530086/PAL depending on the units' tv system. Higher software versions will be displayed with the last three digits changing (ie. 086, 087, etc).

1. Start with unit powered up and in STANDBY mode.
2. Press the "OPEN" button (▲) on the remote control of the unit.
3. On the remote control, press the following buttons in order: CLEAR – 2 – 5 – 8 – 0 – CLEAR
4. Place the upgrade CD in the DVD tray of the unit
5. On the remote control, press the "PROGRAM" button
6. On the screen, you will see a message saying:
READ >>>>>>
7. Once the upgrade CD has been read, the tray will open automatically.
8. Leaving the tray open, take the upgrade CD out of the tray.
9. Wait for the unit to finish upgrading. It will go through the WRITE and VERIFY steps.
10. Once the unit finishes upgrading, tray closes automatically, it will restart and show "NO DISC".
11. Put the unit into STANDBY.
12. Repeat Steps 2-3
13. On the remote control, press the CLEAR button four times.
14. Put the unit into STANDBY again, the tray will close automatically.
15. Take the unit out of STANDBY (turn it ON)
16. Change input to FM, using the front panel button called "INPUT SELECT"
17. **Important:** Factory reset, press the following buttons, in order, quickly on the front panel of the unit: PLAY/PAUSE – STOP – DISPLAY (hold this button until unit restarts)
18. Step 17 is required to ensure proper operation of the unit.

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Technical Bulletin L53

Product: DVD Receiver

Software Technical Bulletin: L53-S2005-02R

Date: March 17/05

Subject: Upgrade Software to
Improve Tracking of Difficult Discs

Note: Upgrade units with software version NL530085 or lower. This upgrade has been implemented in production.

Previous T.B.'s required: L53-S2005-01 Software Upgrade Procedure

YES

NO

DESCRIPTION: You may experience poor tracking of recordable media (DVD -R/+R) and also some DVD-A discs.

REASON: The laser pick up requires additional focus gain.

SOLUTION: Upgrade the L53's operating system software using one of the following discs.

For AH version units – L53 AH 086 UPGRADE CD (Focus Gain)

For C version units – L53 C 086 UPGRADE CD (Focus Gain)

Contact NAD International for ordering discs.

Contact:

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