

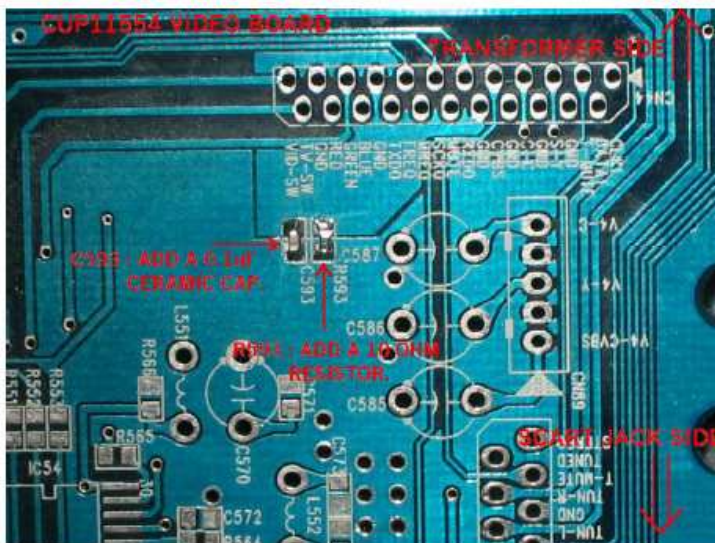
## **Circuit Change**

**PROBLEM:** *When using the component out on the L70 you may find the video signal has faint diagonal lines appearing.*

**CAUSE:** *The ground plane requires additional coupling.*

**SOLUTION:** *Add a 10 ohm resistor to location R593 on the video board. Add a 0.1uF ceramic capacitor to location C593 on the video board. See photo below.*

*Photo 1*



**PRODUCTION:**

*All production to September 2003 is affected.*

**Contact:**

NAD Electronics International  
633 Granite Court  
Pickering, ON Canada L1K 3K1  
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10/07/03

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## Circuit Change

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**PROBLEM:** You may have the complaint that the TV SCART RGB output is not switching automatically.

**CAUSE:** The drive current of some television sets is not sufficient to switch the RGB output.

**SOLUTION:**

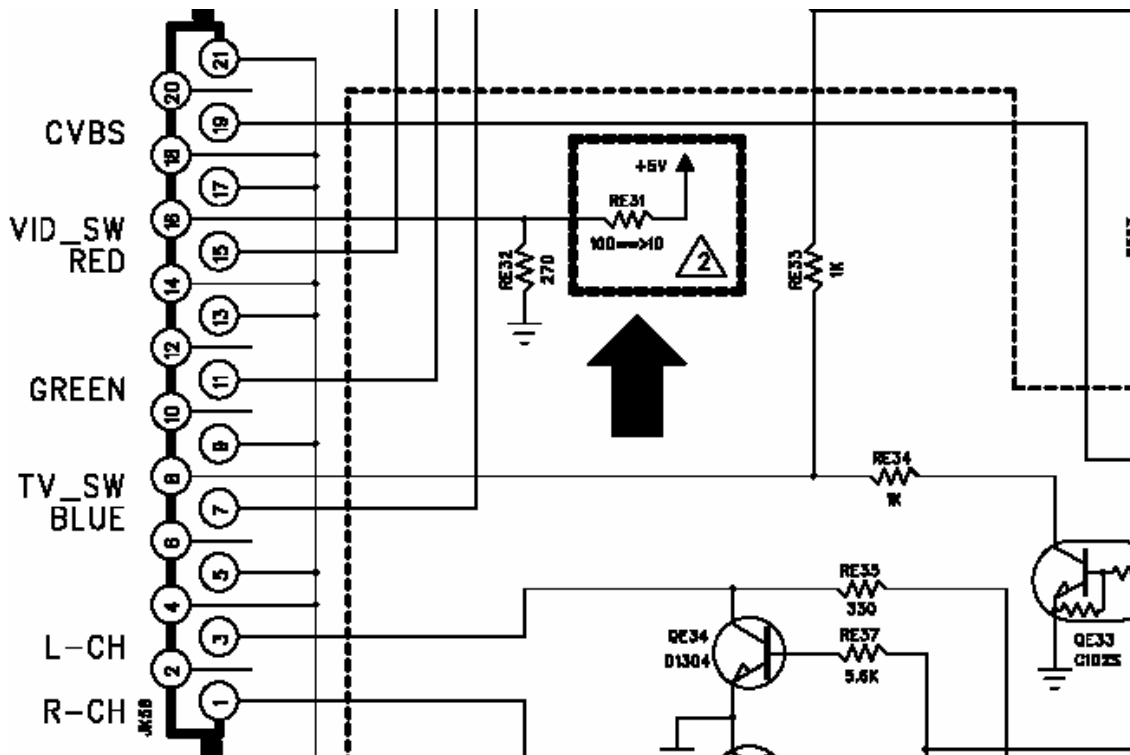
Delete RE31 100 ohm resistor on video board.

Add a 10 ohm resistor between PIN 16 of SCART connector (one leg of RE31) and +5V rail(one leg of R554) on video board. See photo and schematic diagram.

**Photo**



**Schematic**



**PRODUCTION:**

All production to September 2003 are affected. Serial numbers to be advised.

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# Technical Bulletin L70

**Product:** DVD Receiver

**Hardware Technical Bulletin:** L70-H2004-05

**Date:** June 21, 2004

**Subject:** Fan Kit Installation

**Note:**

**Previous T.B.'s required:**

- YES
- NO

**DESCRIPTION:** The small ventilation fan located on the DVD mechanism, is noisy or is turning too slowly.

**REASON:** The fan bearing is worn.

**SOLUTION:** Replace the existing fan with the following new fan and parts. This fan is located beside the DVD mechanism. Please note that removal of the dvd mechanism is required for this change. Note, this fan only runs when the dvd input is selected.

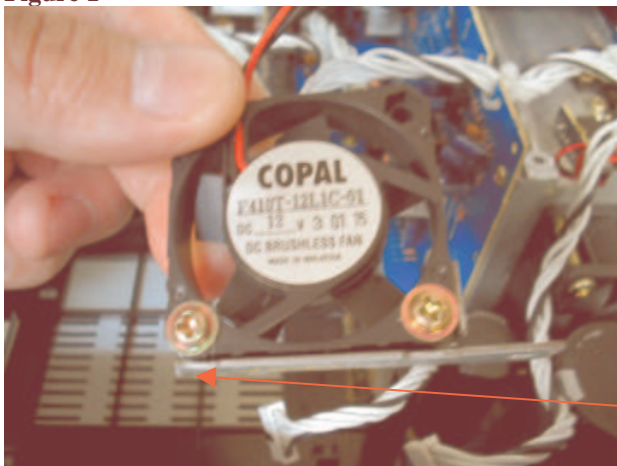
The fan kit can be ordered under the number: HDMKD1245PFS2

**Kit includes:**

- Copal fan, fan bracket , CN89 Wafer
- R922 82 OHMS ( ORIGINALLY 100 OHMS )
- R951 91 OHMS (ORIGINALLY 100 OHMS )

1. As shown cut the supplied bracket in order to install it with the new fan.
2. Secure fan to the bracket and add some glue to the bottom of the bracket when securing to the chassis. See figure 1 and 2.

Figure 1



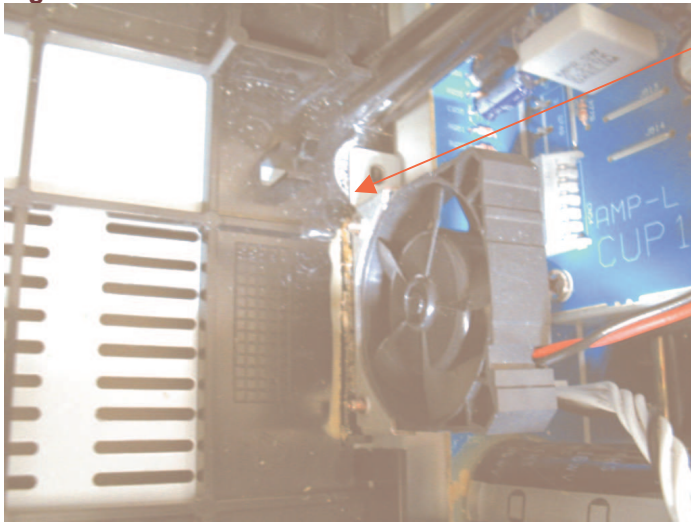
Cut bracket here

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**Product: DVD Receiver**

**Hardware Technical Bulletin: L70-H2004-05**

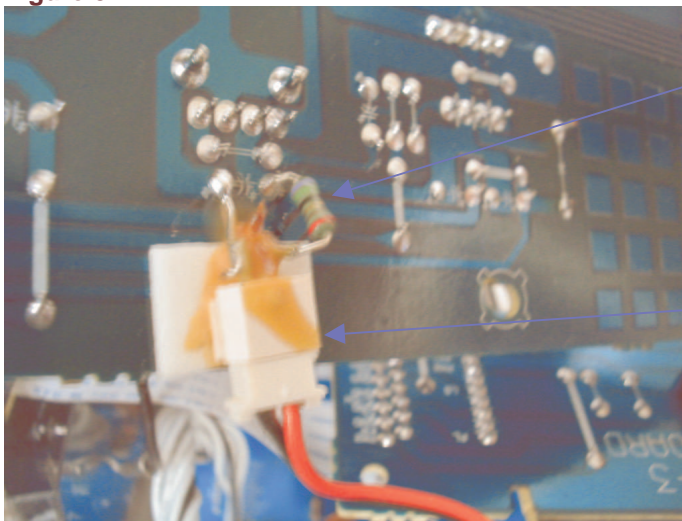
**Figure 2**



Glue bottom of bracket  
to chassis

3. Replace R922 (100 ohms) and solder the 82 ohm resistor supplied, to one leg of the male plug and solder the other to capacitor C 905 + side. This is on the bottom of the main cpu pc board which mounts to the top of the dvd player mechanism.

**Figure 3**



R922 on bottom of  
pc board 100 ohm  
changes to 82  
ohm.

Fan connector

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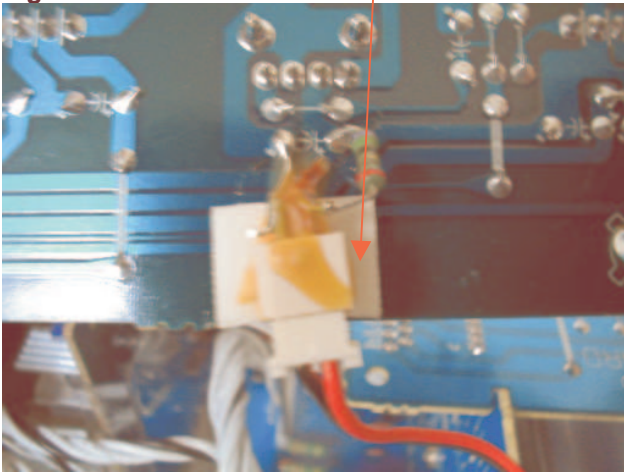
# Technical Bulletin L70

**Product: DVD Receiver**

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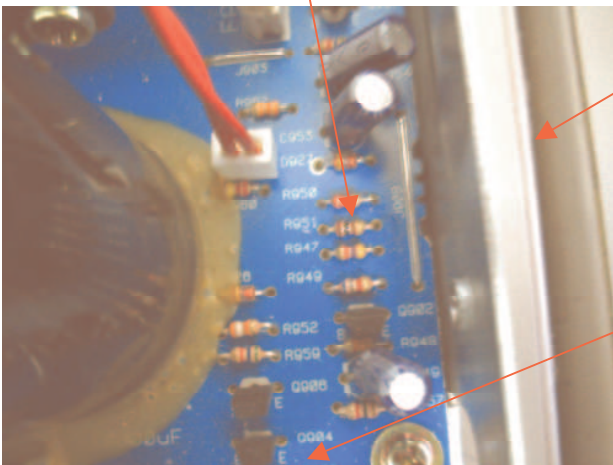
4. Glue connector to PCB as shown in figure4.

Figure 4



5. Replace 100 Ohm R951 on the main PCB, located under the power amp heatsink and assembly, with the 91 Ohm supplied.

Figure 5



Right side of receiver

Towards Front panel

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