

# TNo41\_2 – CHANGING DROPPER RESISTORS ON DSP 5000

On the DSP5000 amplifier board, the two resistors which feed current to the voltage-regulators can be swapped for components with a higher power rating; from 2W to 4W. This change makes the board more immune to problems due to use of the speaker in higher-than-normal ambient temperatures. As such, we recommend that they are fitted as a matter of course when a speaker is serviced. Towards the end of the production life of the DSP5000, the updated resistors were fitted as standard. Any such models need not be modified.

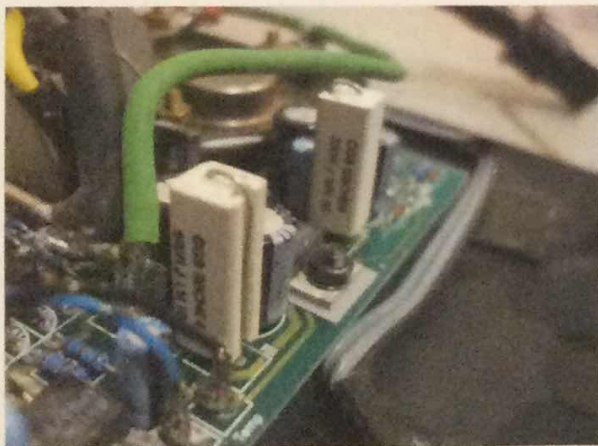
The lower-rated (2W) resistors are indicated here...



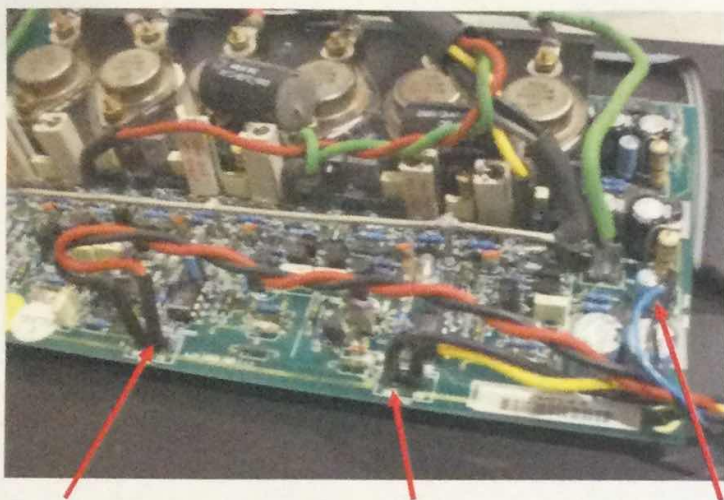
R9 R1

R1 should be replaced with a 330 Ohm, 4W resistor. Meridian part number A56331  
R9 should be replaced with a 680 Ohm, 4W resistor. Meridian part number A56681

The updated (4W) resistors look like this...

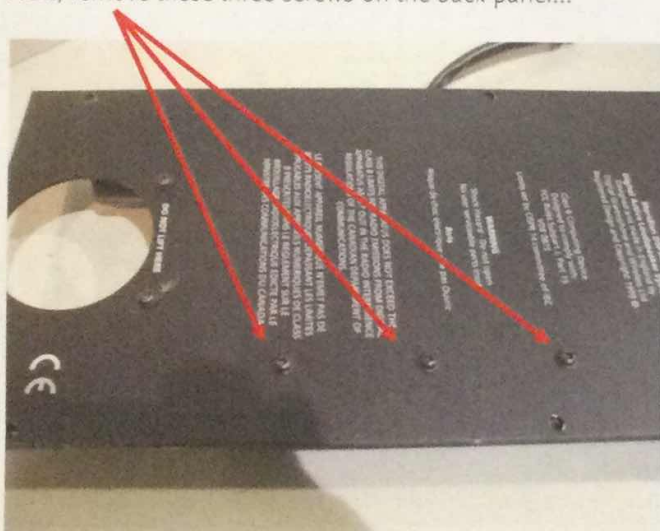


To remove the old resistors, it is advisable to gain access to the underside of the board. To do this, first desolder these three pairs of wires...



Bass/Mid (audio and ground) Treble (audio and ground) Mute and Temp lines

Next, remove these three screws on the back-panel...



This will allow the amp board to be moved so that its underside is accessible. De-solder the old resistors and fit the new ones. Refit the board to the back panel and re-solder the three pairs of wires back into place.

The electronics can now be fitted to the speaker.