Problem:

When FL-7000 is in operate mode, after switching to RX , RX signal drops 10-15db and more.

After switch off the PA and short TX, RX operation signalworks as before.

This problem was at the beginning not so often, but in the last weeks nearly 90%.

So I tested, where the problem could be. Without FL-7000 everthing was fine, the problem was at all bands.

The schematics show RL13 at the LPF board, which switches RX/TX in operate mode.

Because there is no type given at the schematics, I opened FL-7000 and localized the LPF board (see below) and looked fort he type

MASUSHITA AGP2013 stands there, I askes the web, but all results are in USA and not in Austria ☹

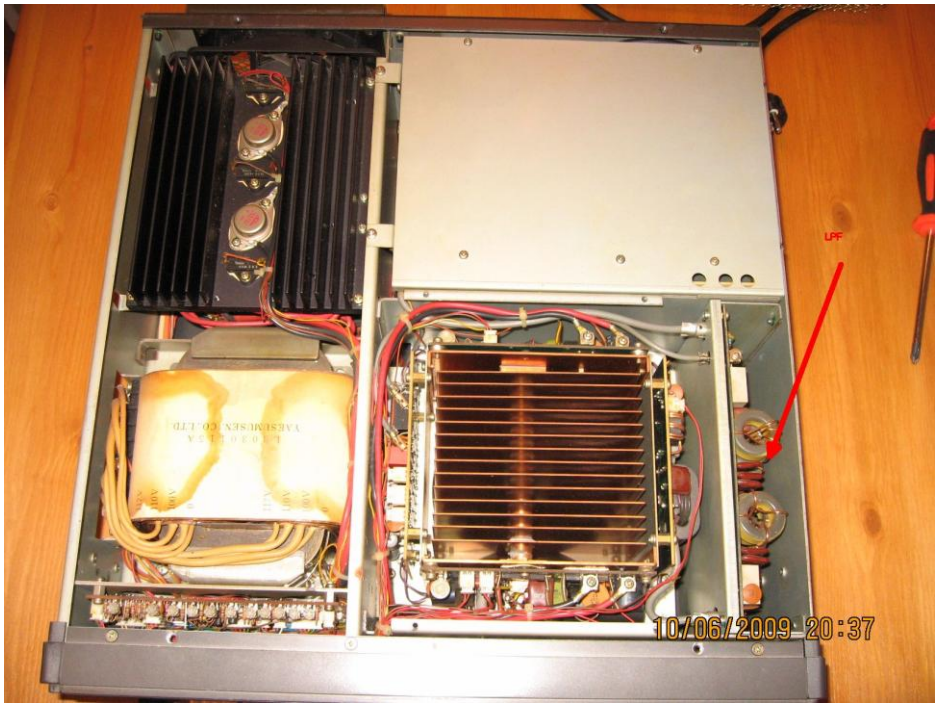
But I found out, now it is produced by PANASONIC

http://www.panasonic-electric-works.at/catalogues/downloads/relays/ds_61104_0000_en_dsp.pdf

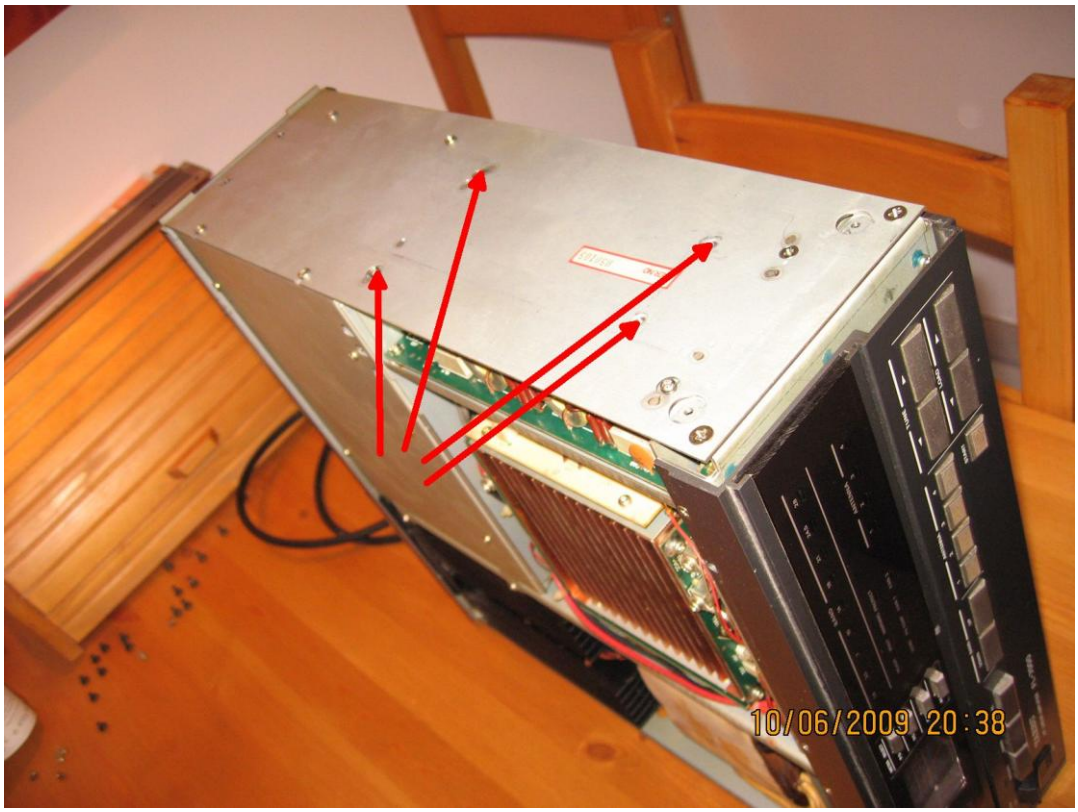
order the DSP-1DC12VF!!! Not the DSP-1a12VF, AGP2013 (old term), as you can see at the datasheet, the amount oft he switch counts is at the end after 15 ! years☺

Change the RL 13:

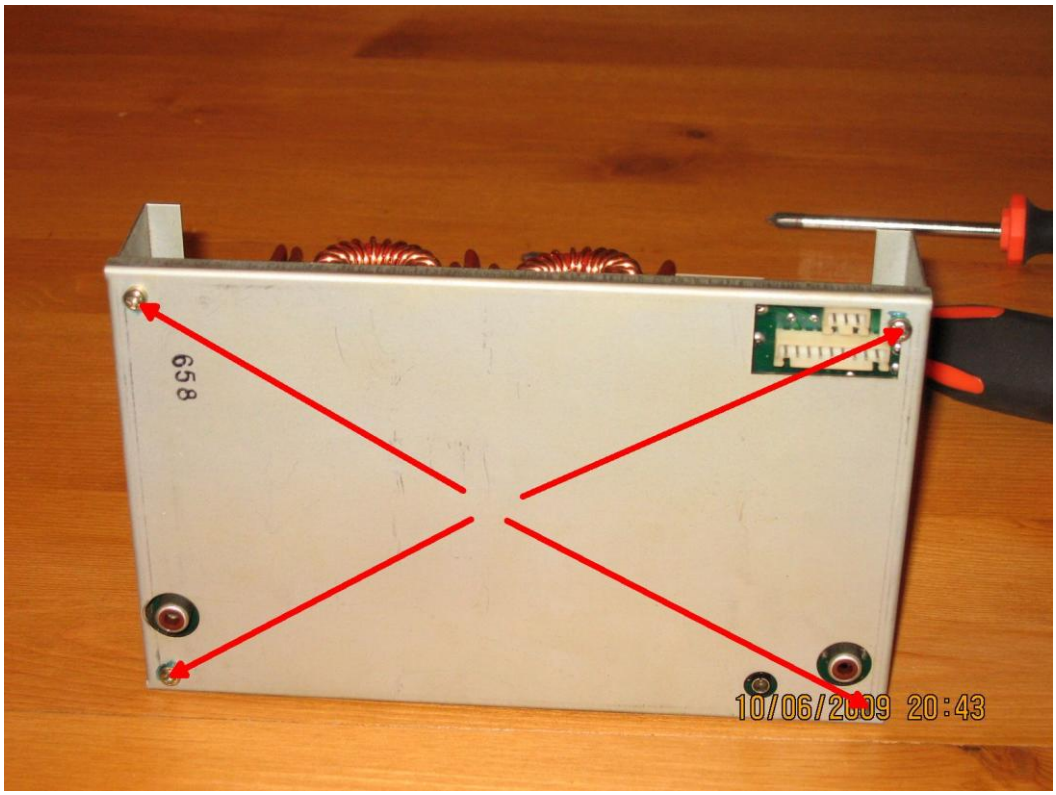
Locate the LPF board after opening FL-7000



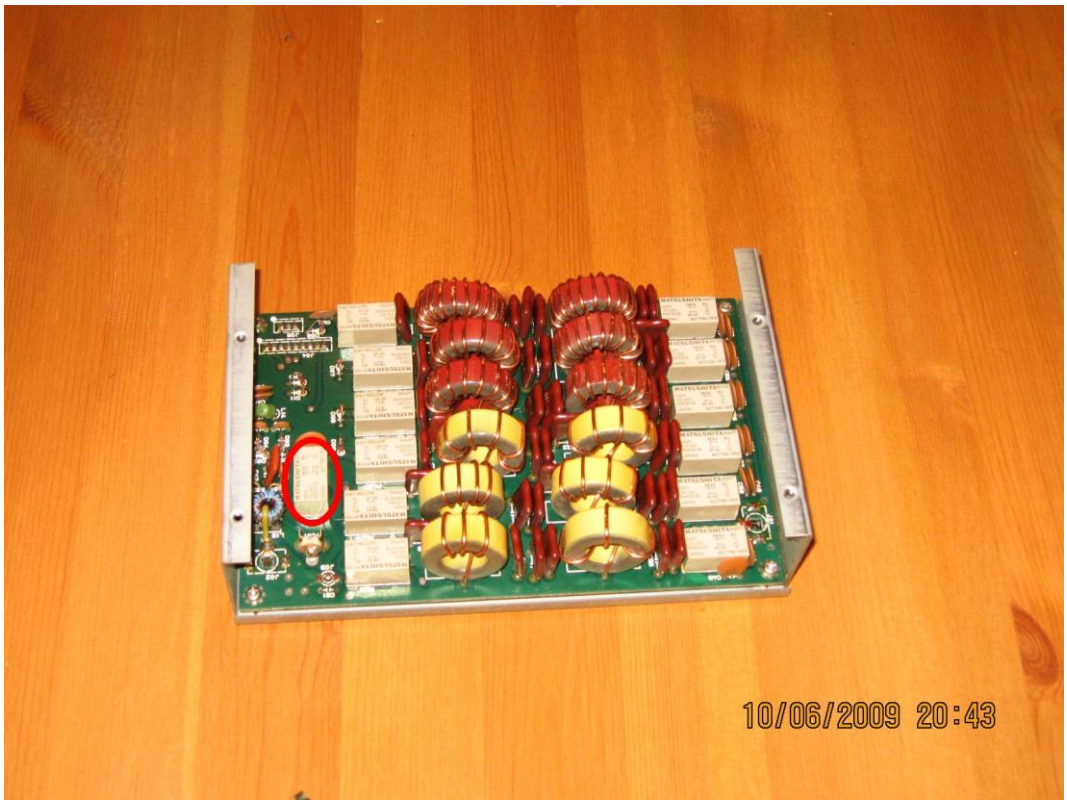
Release 4 screws



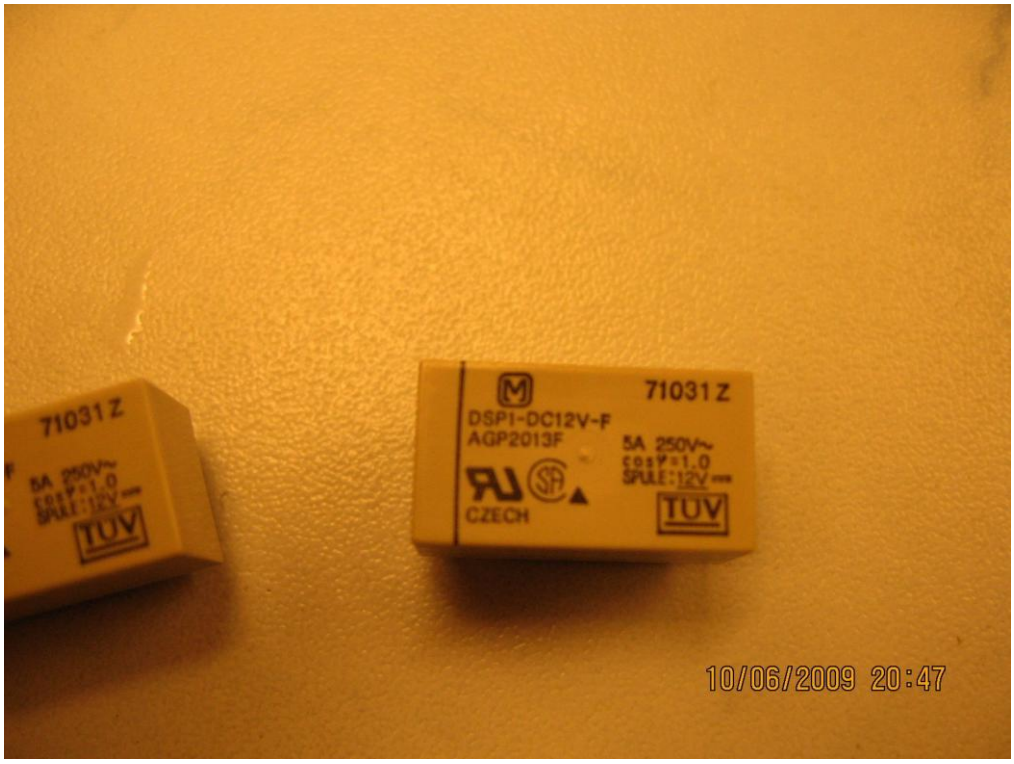
Demount the shelf and release LPF board



Locate RL13

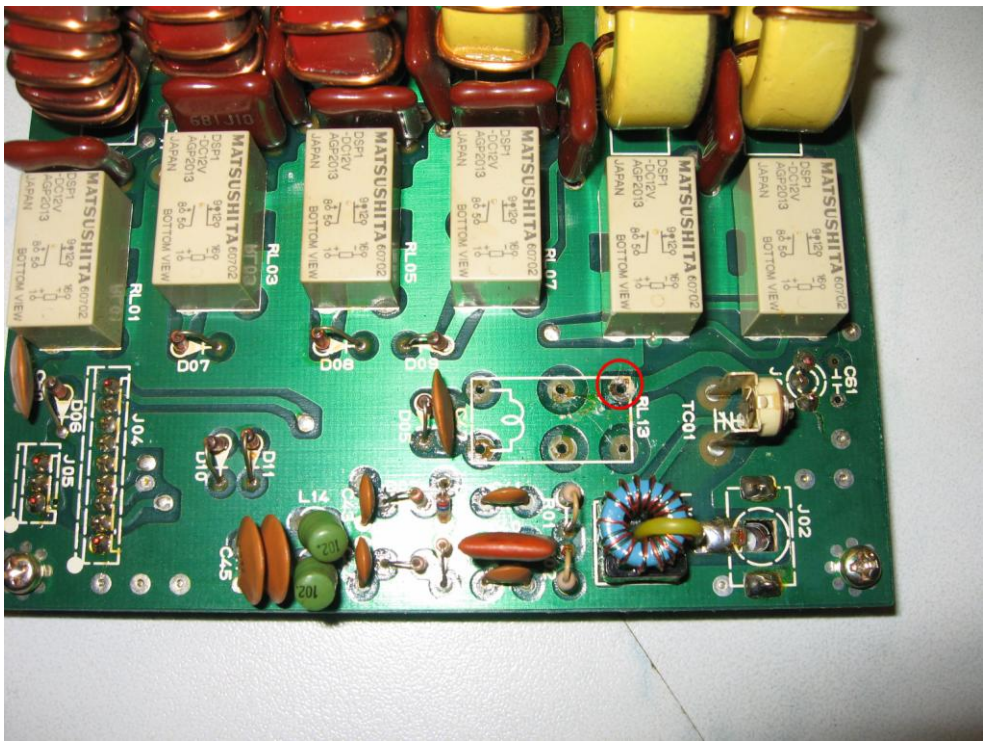


Desolder RL 13 and replace with a new one

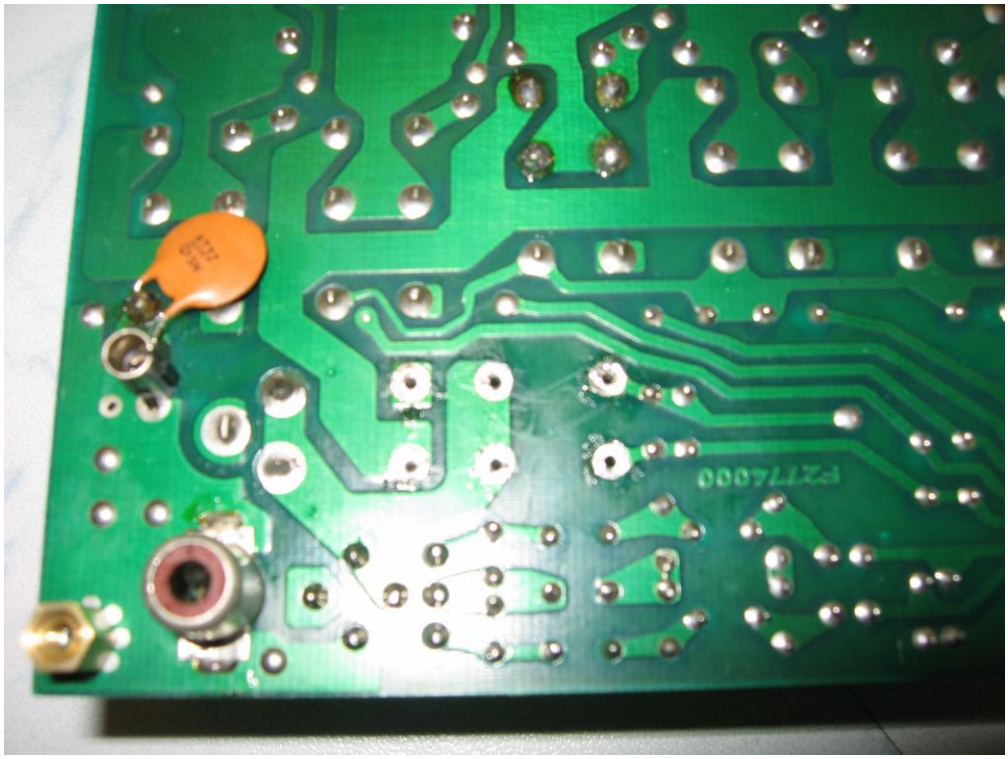


Before you solder the new one, clean the solder eyes.

Extra attention for the one solder eye under RL13!



Also clean backsides the solder eyes



Assemble all in reverse order and enjoy,73 Alex, OE3JTB