



Yaesu VX-5R

Version 1.0

Transmitter



Open the VX-5R and position it like the left picture.



Locate the IC „3403A“ at the upper left corner.

Remove C1040 (10nF)
(the **middle** of the five circuits)

Remove C1036 (3,3nF)
- the black above is a resistor !!!
- the bright-brown is C1036

→
Clear, natural sound of Modulation

(opens the tx lowpass-filter)

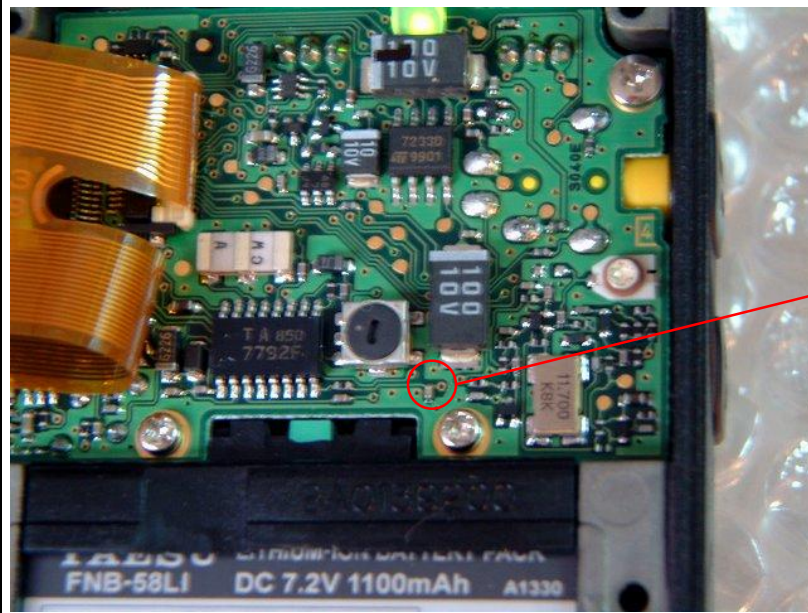
You also can get more microphone sensitivity and loudness by changing **R1002** (2,2kΩ) to **5,6kΩ**. This is the build-in PTT-pulldown resistor parallel to the electret microphone. I didn't find it on the layout yet so this modification follows.

If you use external microphones you should change there mostly used pulldown resistor of also 2,2kΩ to 5,6kΩ. This greatly increases the microphone loudness of the external mike.

Receiver

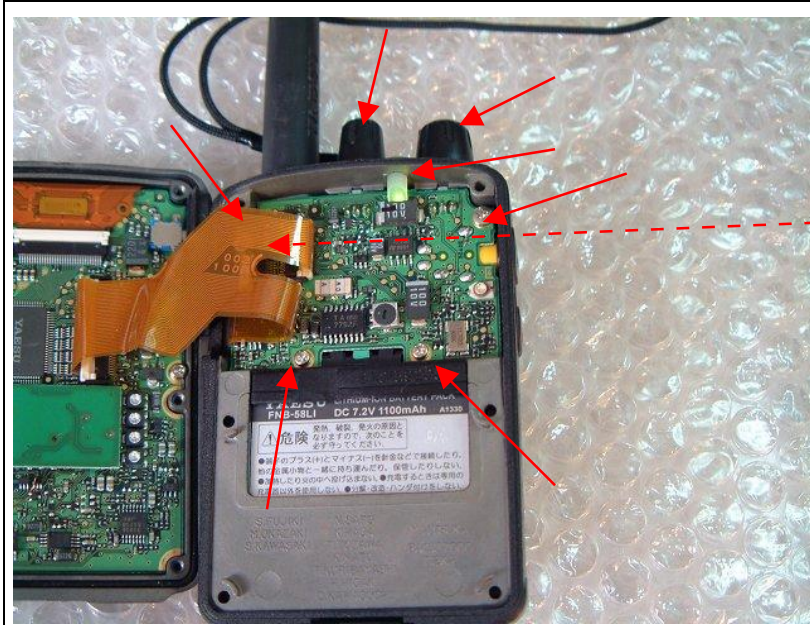


Now position the VX-5R like this.



Remove C2042 (10nF)

→ Gives more heights to only WFM
reveiving (e.g. radio stations)



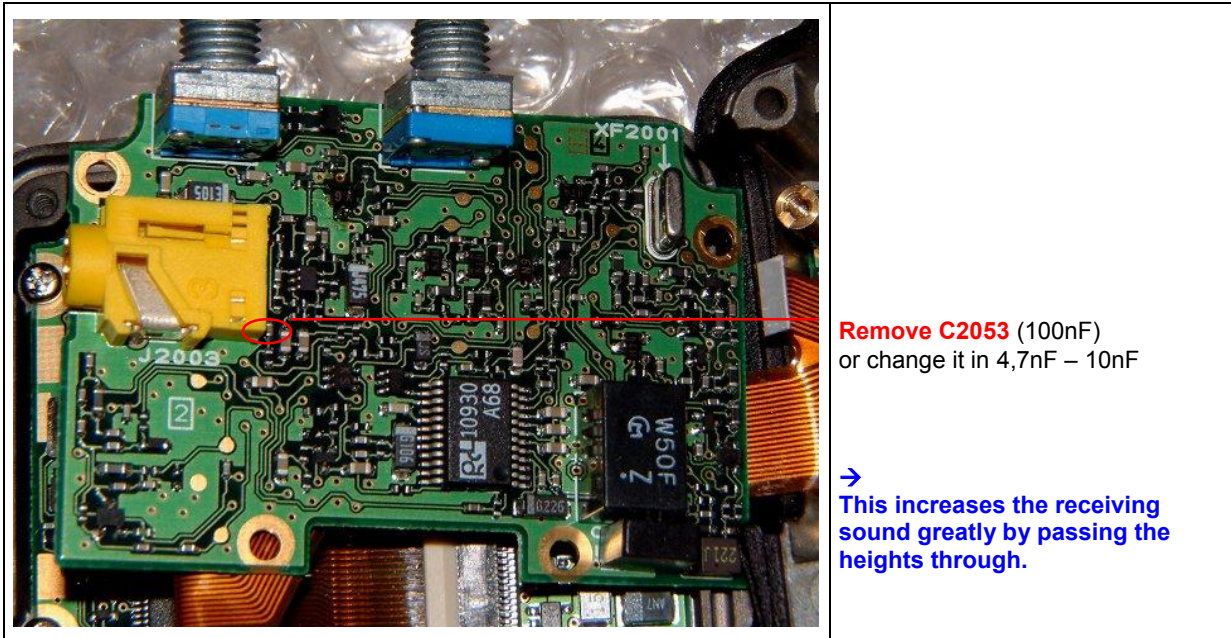
Now

- open the 4 screws
- remove the volume and channel knob and their nuts
- remove the LED rubber
- remove the small flat cable (in the picture it is under the wide flat cable)
- remove the circuit board



Now it should look like this.

Now we have to go to this area.



With this last mod the receiving sound is much brighter, maybe for someone a little bit shrillness. And it's also louder.

This sound is much favorite for me cause with this mod you also can receive in loud background. With the normal extremely dark sound you can't hear everything in loud environment.

Disclaimer • Disclaimer of liability

This modifications mostly need to be done by a electronic profi who had enough practise and who has knowledge in SMD soldering. **You do the modifications on your own risk !**

Radio modifications shown here are provided for properly licensed operators only! The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading , viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for information purposes only!

Although the greatest care has been taken while compiling these documents, we cannot guarantee that the instructions will work on every radio presented.

Copyright

The author intended not to use any copyrighted material for the publication or, if not possible, to indicate the copyright of the respective object.

The copyright for any material created by the author is reserved. Any duplication or use of objects such as diagrams, sounds or texts in other electronic or printed publications is not permitted without the author's agreement.

Some circuit details are password-protected because of legal reasons. Please contact me via e-mail.

If your company would like to provide technical information to be featured on this pages please contact me at: dg2iaq@web.de

Jochen Heilemann
P.O. Box 1106
D - 75218 Niefern-Öschelbronn
Germany

e-Mail : DG2IAQ@WEB.DE
Fax : +49 (1212) 5-346-52-897

Callsign : DG2IAQ
DOK : A51 („Die Rassler“)
Locator : JN48JW Latitude 48.917(N) • Longitude 8.783(E)

Downloaded by ☐
RadioAmateur.EU