

Hello,

this sheet is a simple conversion of the great **idea of Tom Holden (VE3MEO)** who did the same modification for the Yaesu FT-817 line.



see: <http://groups.yahoo.com/group/FT817/message/47587>

Here in the "FILES" section you would also find the originally sheet of VE3MEO.

From my experience I was sure that here the 857/897 design is here around 99% the same.

That was not true. It is 100% the same !! ☺

So please be informed how to do the great audio modification for the FT-857/897 line as well.

Luckily at the FT-857/897 nearly all parts are on the upper side of the main PCB !! Only excepting the AM-detector coupling capacitor. This one is on the lower side. (On the FT-817 there are unfortunately ALL on the lower side instead). So the modification should be done here in not more than 20 minutes, including opening and closing the top cover.

Easy ! But you need good experience in SMD soldering – as well as a SMD soldering iron.

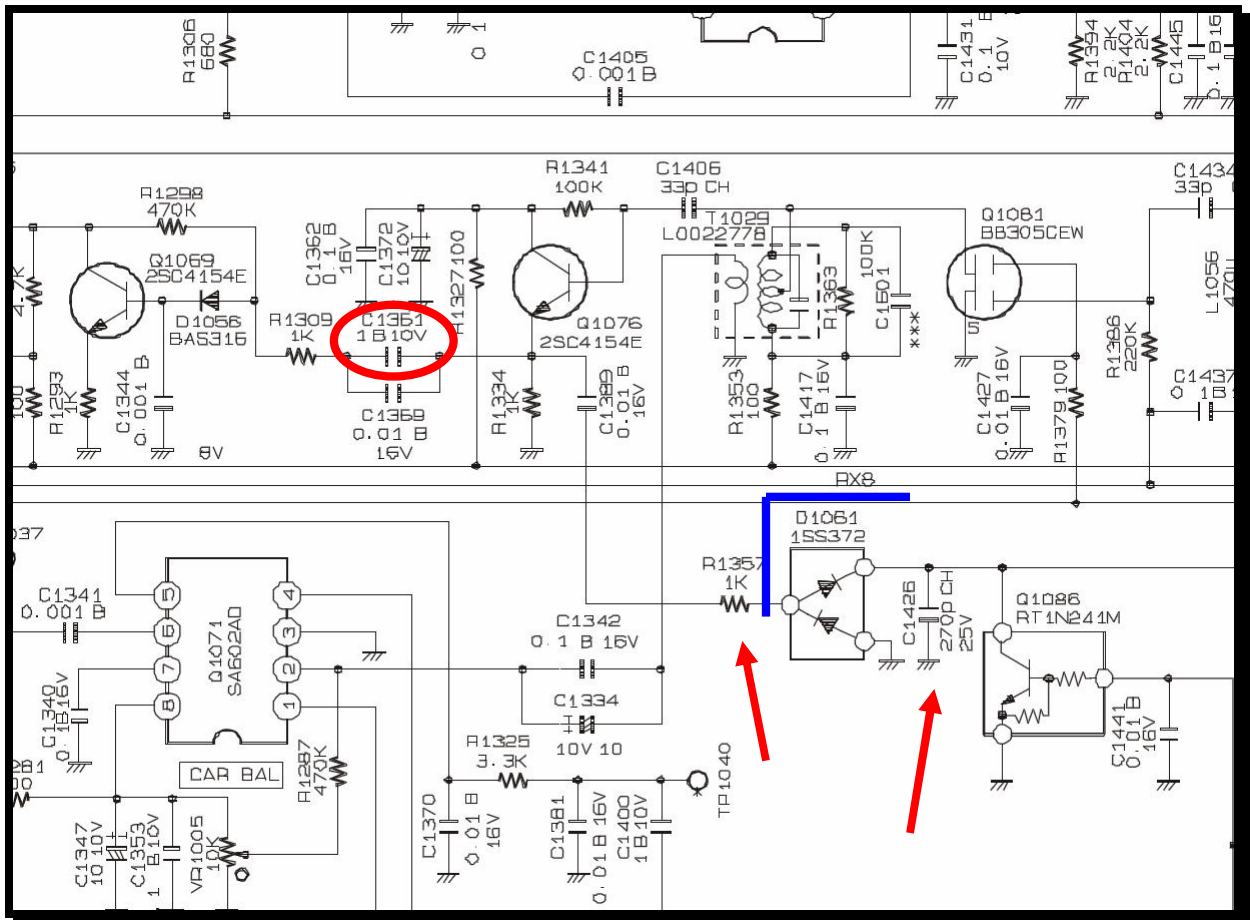
Modifications:

- R1357** (1 kohms) → **10 kohms**
- D1061** (1SS372) → **bridge** only the upper side
- C1426** (270 pF) → **remove**
- C1361** (1 mF) → **0.047 mF**

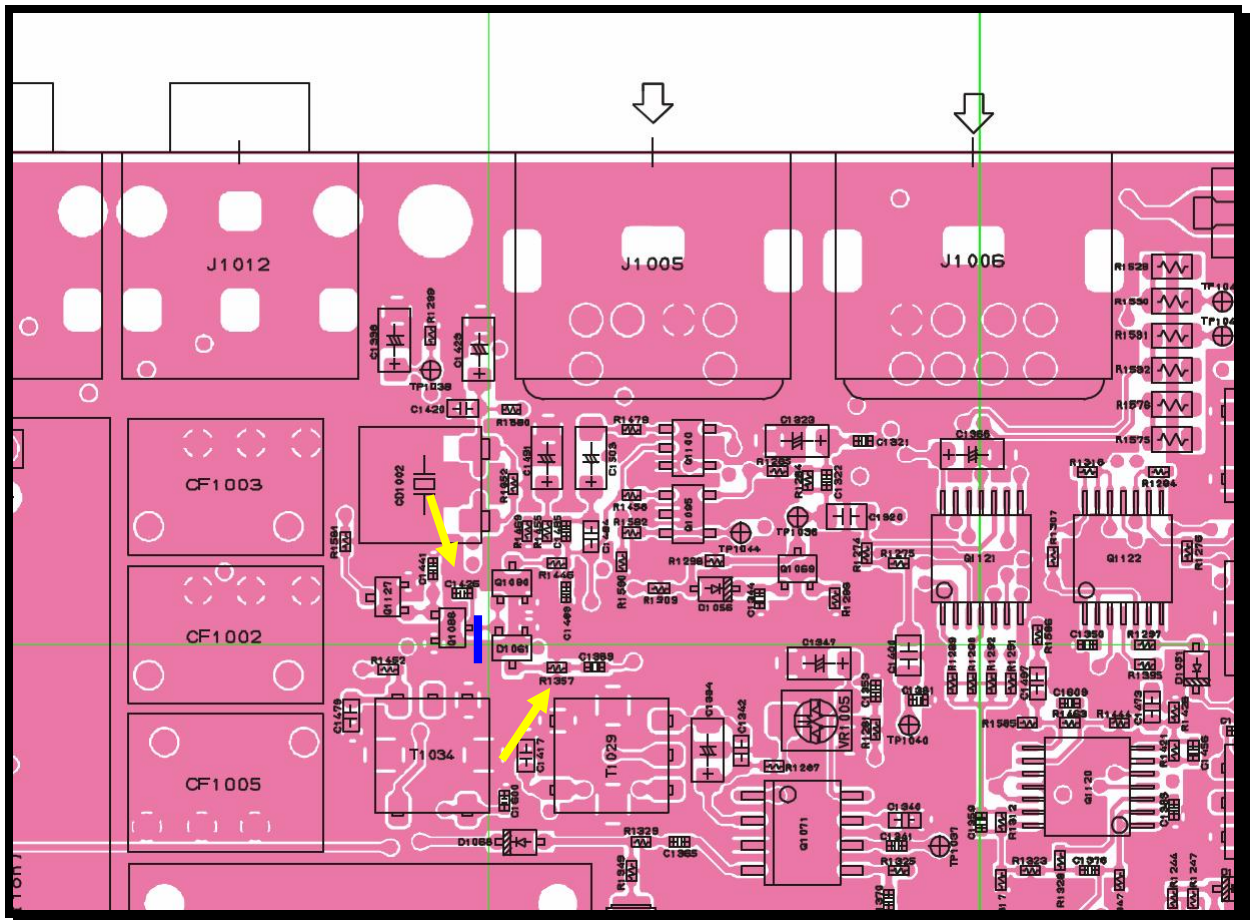
If you have a RF signal generator you could check the S-meter alignment in the service menu after the mod, but normally it should NOT be changed by this mod. In the case of a mismatch you can do a S-meter re-alignment which takes around 10 minutes only.

I didn't do the C1361 modification cause this one would be the only one why a complete disassembling of the main PCB would be needed. And this was not worth that as I didn't had anything else to do on the lower side at the moment. So I decided to keep the original value – also with great success.

Schematic:



PCB:



Please be informed that I cannot answer any direct emails. I received too much of them in the past and I cannot handle this any more in my free time due to job reasons and resulting time leaks.

I will post in some ham radio forum instead from time-to-time.

Thank you for your understanding.

Good luck !!

73,

Jochen Heilemann (DG2IAQ)

Disclaimer • Disclaimer of liability

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

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