

## Filtering of the Sub RX of the Yaesu FT-1000(D) and FT-1000MP (Mark-V/Field)

In the second RX of the Yaesu FT-1000(D) and the FT-1000MP you will find a Murata 455 kHz ceramic filter.

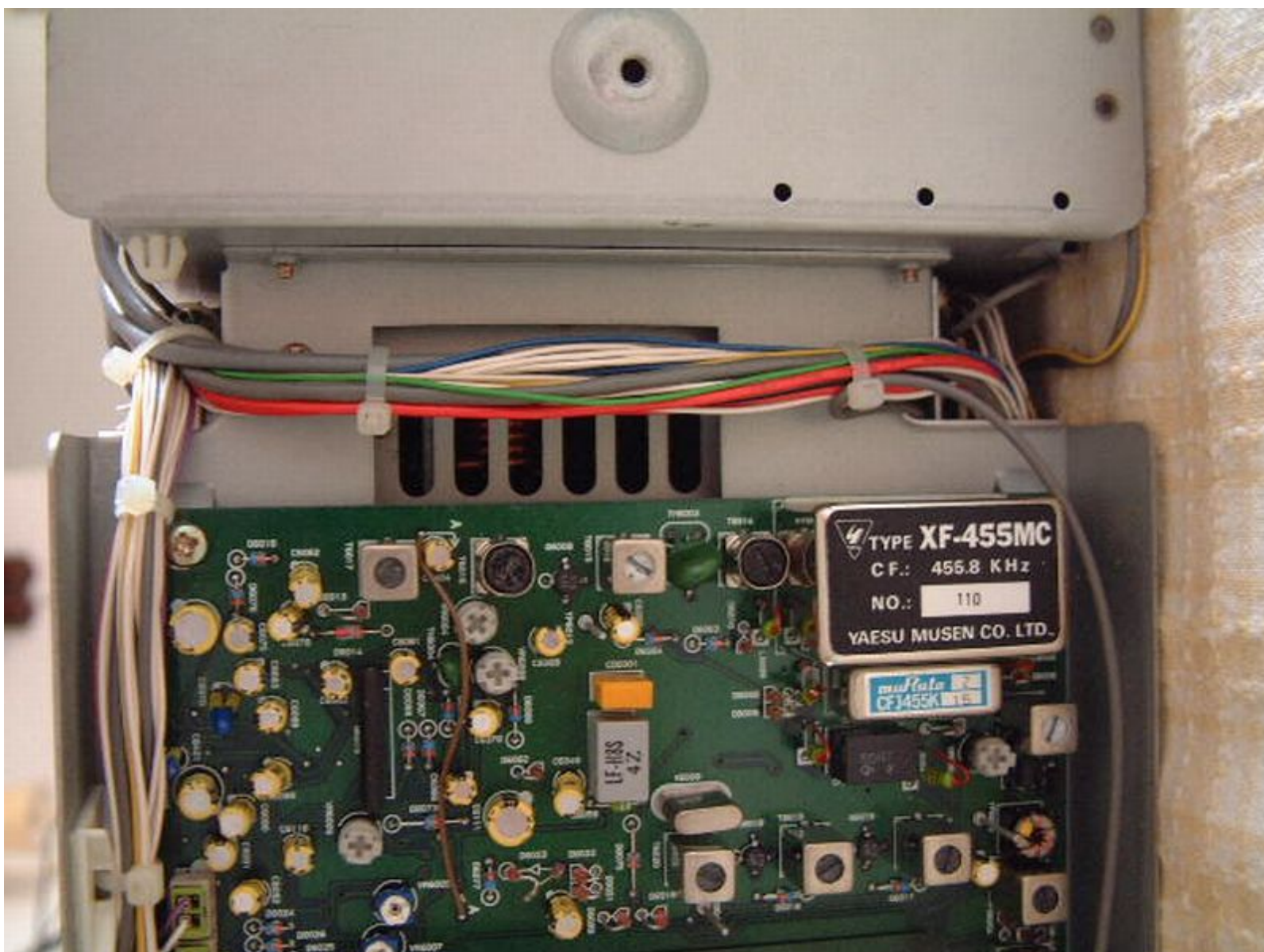
This will be the Murata CFJ455K '15', '13' or '5' filter.

Perhaps another type, but most of them have a bandwidth of about 2400 Hz and very wide skirts.

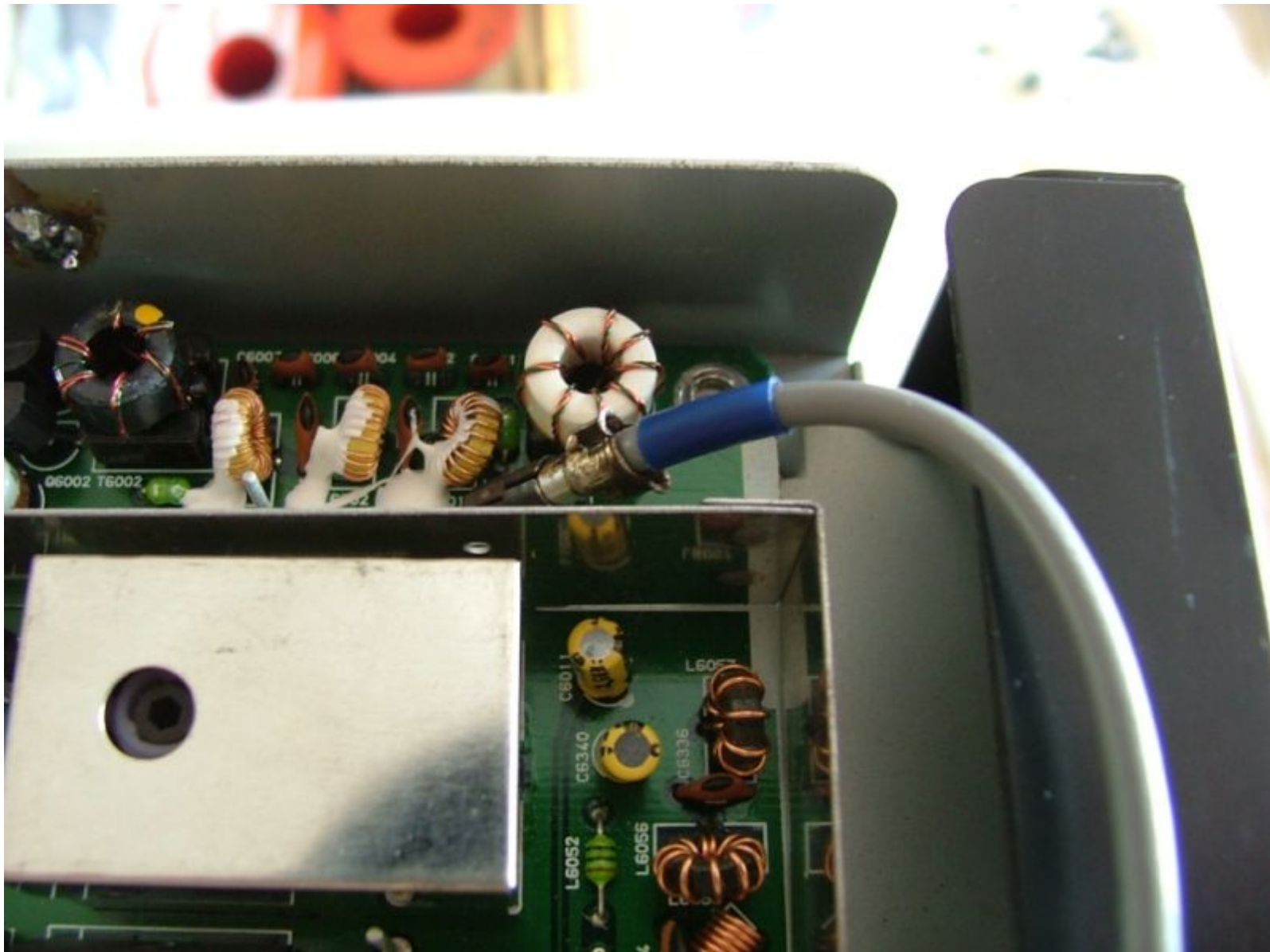
It may be a good suggestion to de-solder this Murata filter and use the Inrad 1800 (#714-C), 2100 (#702-C) or 2800 Hz (#715-C) crystal filter instead.

You will need two thin coaxial cables for it.

I did this in the FT-1000(D) with very good results!



On the above photo you will see the Murata CFJ455K15 ceramic filter next to the Yaesu XF-455MC 600 Hz CW-filter.



Carefully remove the cable at one side of the sub RX-board.

It is not necessary to remove the whole board.



Turn the board 180 degrees. Be very carefull not to harm the components and the adjustments!

De-solder the Murata CFJ455K15 filter.

TIP: When you have installed the Yaesu XF-455MC filter I advise you to remove this filter first.

You will notice that the de-installation of the Murata filter is much easier with the Yaesu filter removed.

Solder two thin coaxial cable wires at the same place where the Murata filter came from.

Install the Inrad filter, e.g. 1800, 2100 or 2800 Hz, like I did on the photo underneath:



I used the 2800 Hz, because I like fidelity SSB-sound. I am very satisfied with this filter!

The wires will keep the filter on its place. But if you want you can mount the filter on the chassis with double sided tape.

I use black tape for it. This is somewhat thicker than the normal double sided tape and used in cars and boats. It looks like rubber.

Just use two very little pieces/strips of this tape, in order to be able to remove the filter later on.

Next step is to de-install the Yaesu XF-455MC 600 Hz filter and install an Inrad filter too.

Notice the 455.8 kHz IF; this is not the same as the 455 kHz IF! So you need a special Inrad filter for this.

For example the Inrad #1303.2 500 Hz filter. It will fit exactly like the original XF-455MC filter.

Good luck!

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