

## Easy Filter Mod for the HR2510

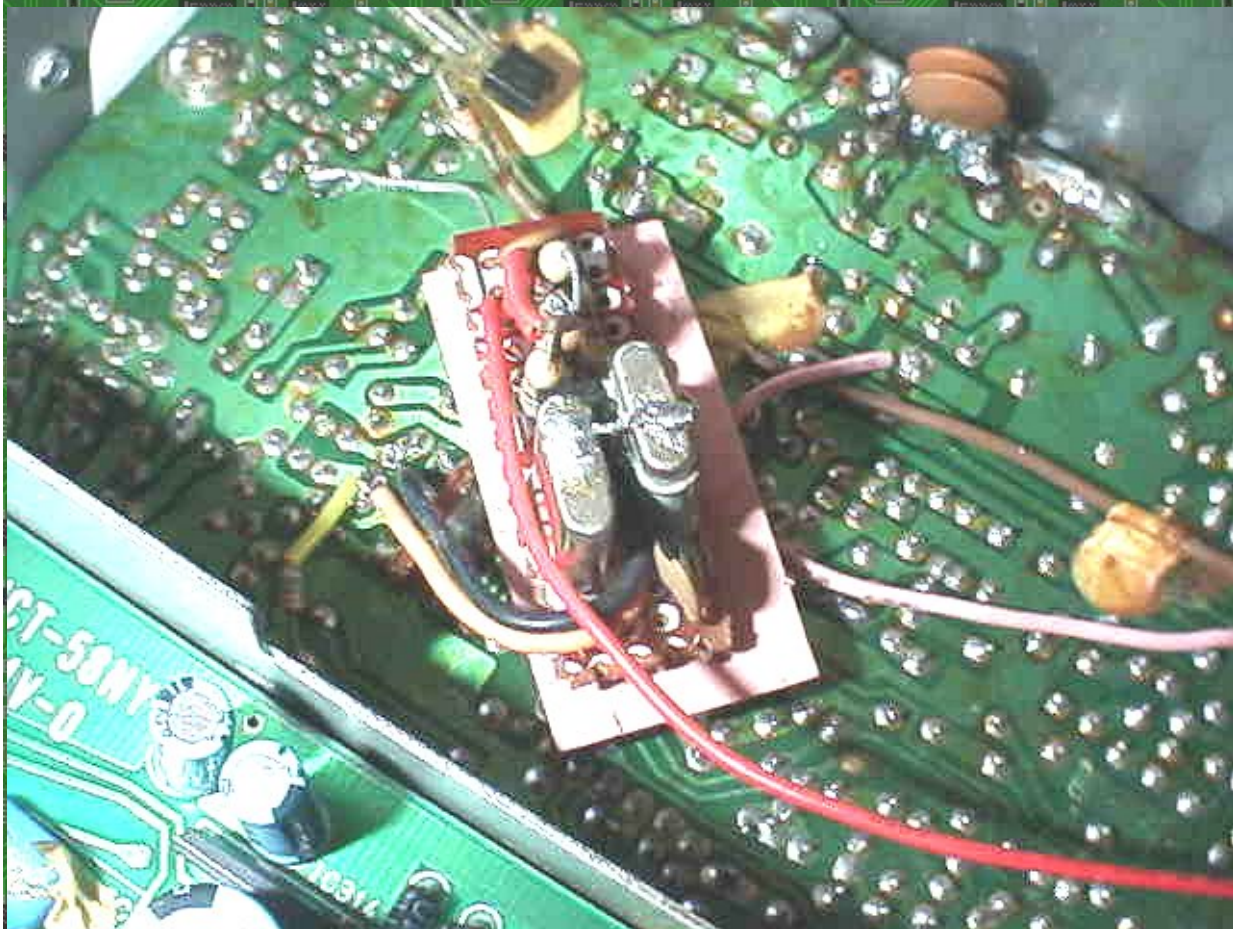
I wanted to improve the selectivity on one of my 2510s and because of the similarity of the chassis to the Cobra 146 / Uniden PC122 and others I felt good about doing this mod to the 2510.

I also own a Stalker IX FMDX and ordered the 10.7 Channel Guard kit from Lou at C.B. City International back in 1994 (Not sure if he is making any more). Cost me about 35 dollars then and it, the board by CBC, looked rather simple. So I scrounged up a couple of 10.965 xtals and some other easy to find parts, built them on a piece of perf board and... Homebrew!

This one I added to my most recently bought 2510. After making the needed repairs and adjustments to the rig I added the filter to the receive if "train" by replacing C13 with the in / out leads of the filter. C13 is located just to the side and between L104 and L113. Plenty of room for this small board.

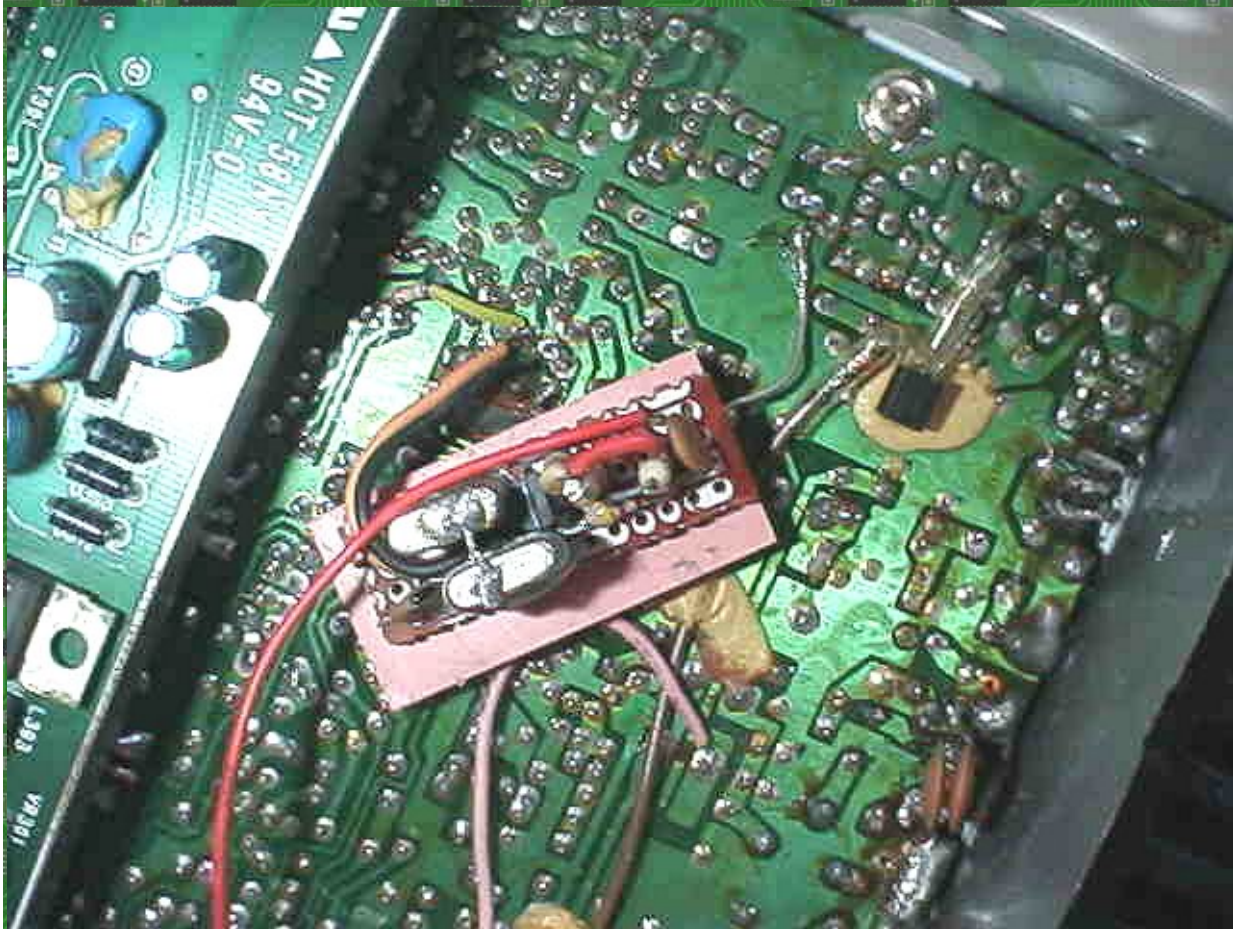
Much improved receive with the 2510 now and as a bonus it is one more stage of amplification. I think it works better in the 2510 than in my Stalker! It does not factor in on transmit so it is just before the main filter FT102 and FT102 switches into transmit without the added filter.

## Pictures of the filter installed in the 2510

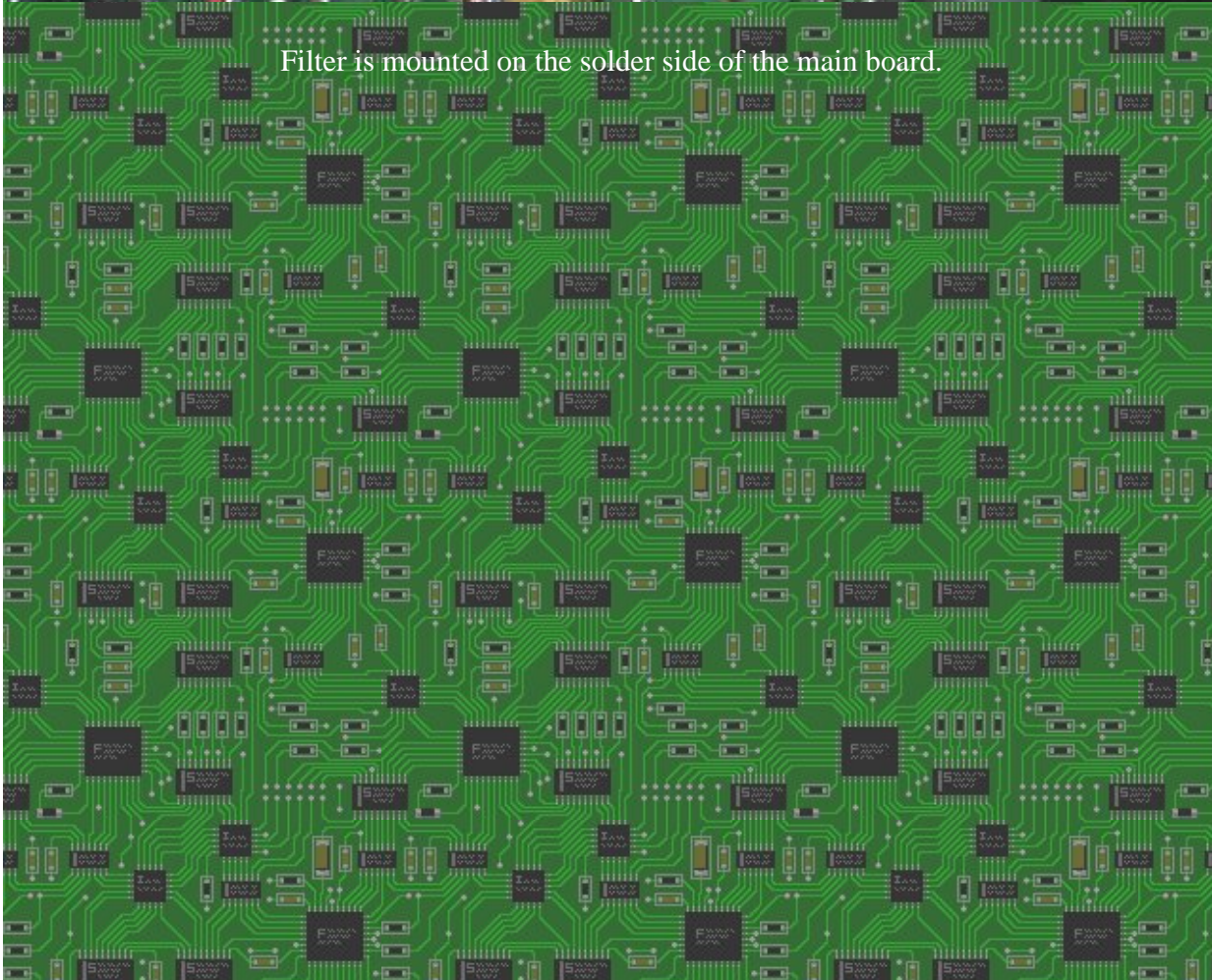




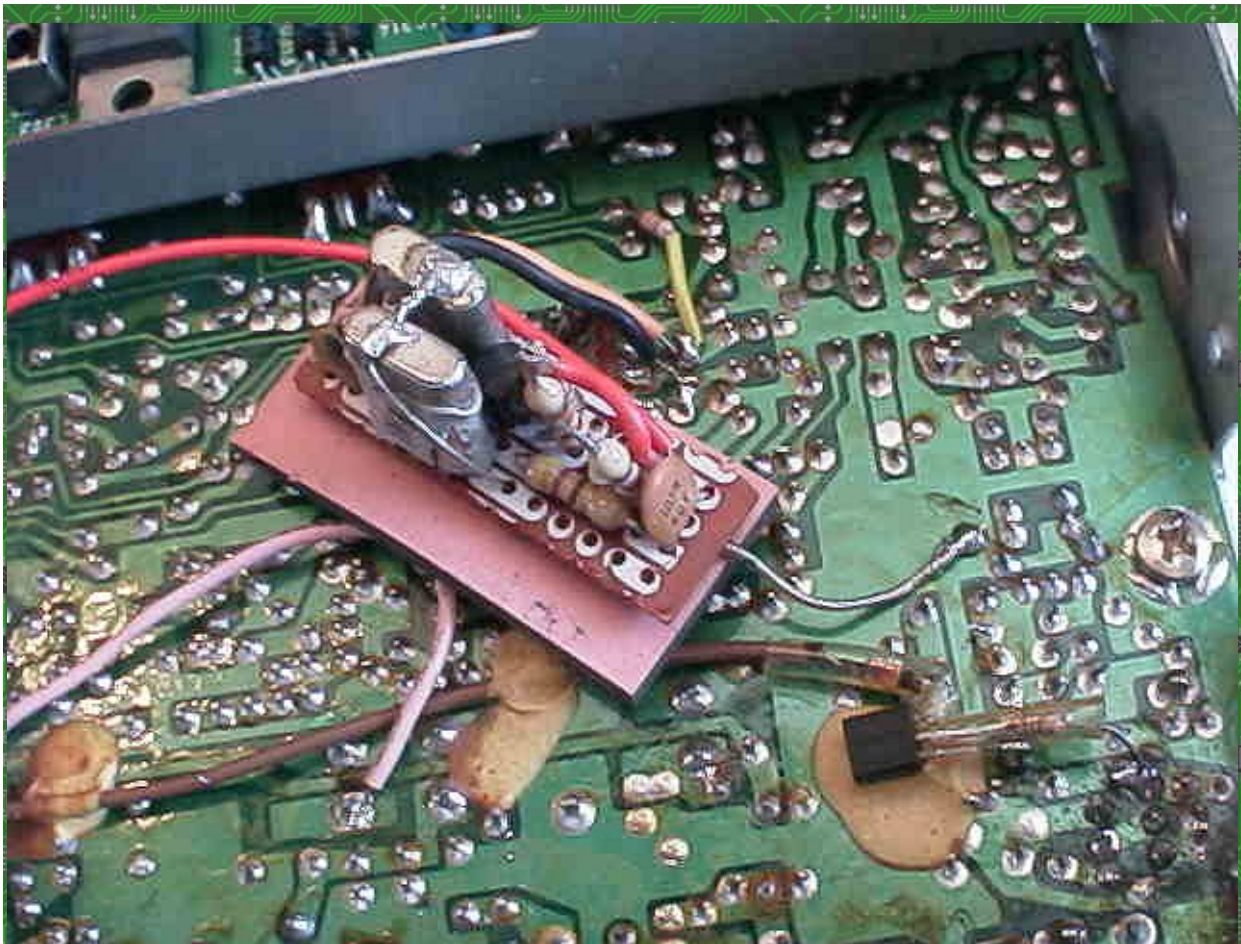
Plenty of room in the radio for this mod!



Filter is mounted on the solder side of the main board.

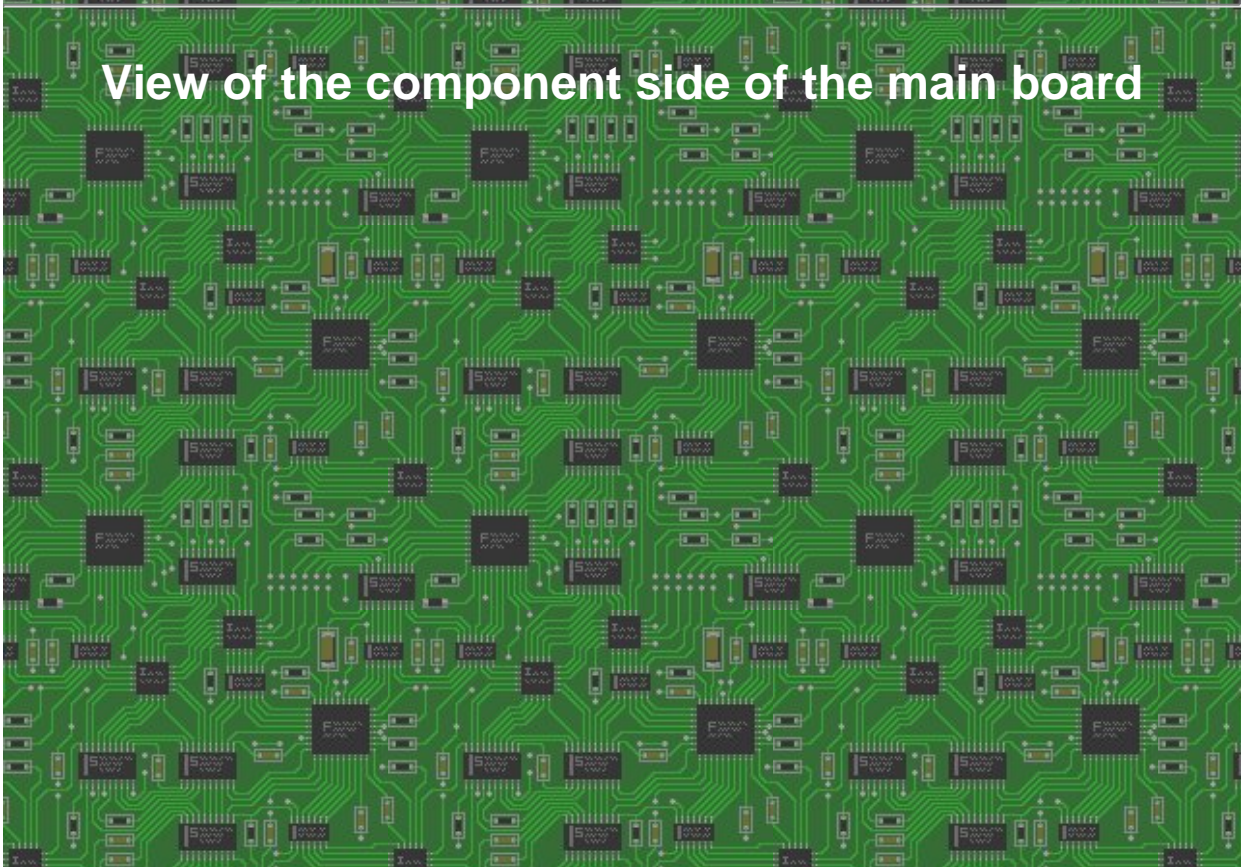




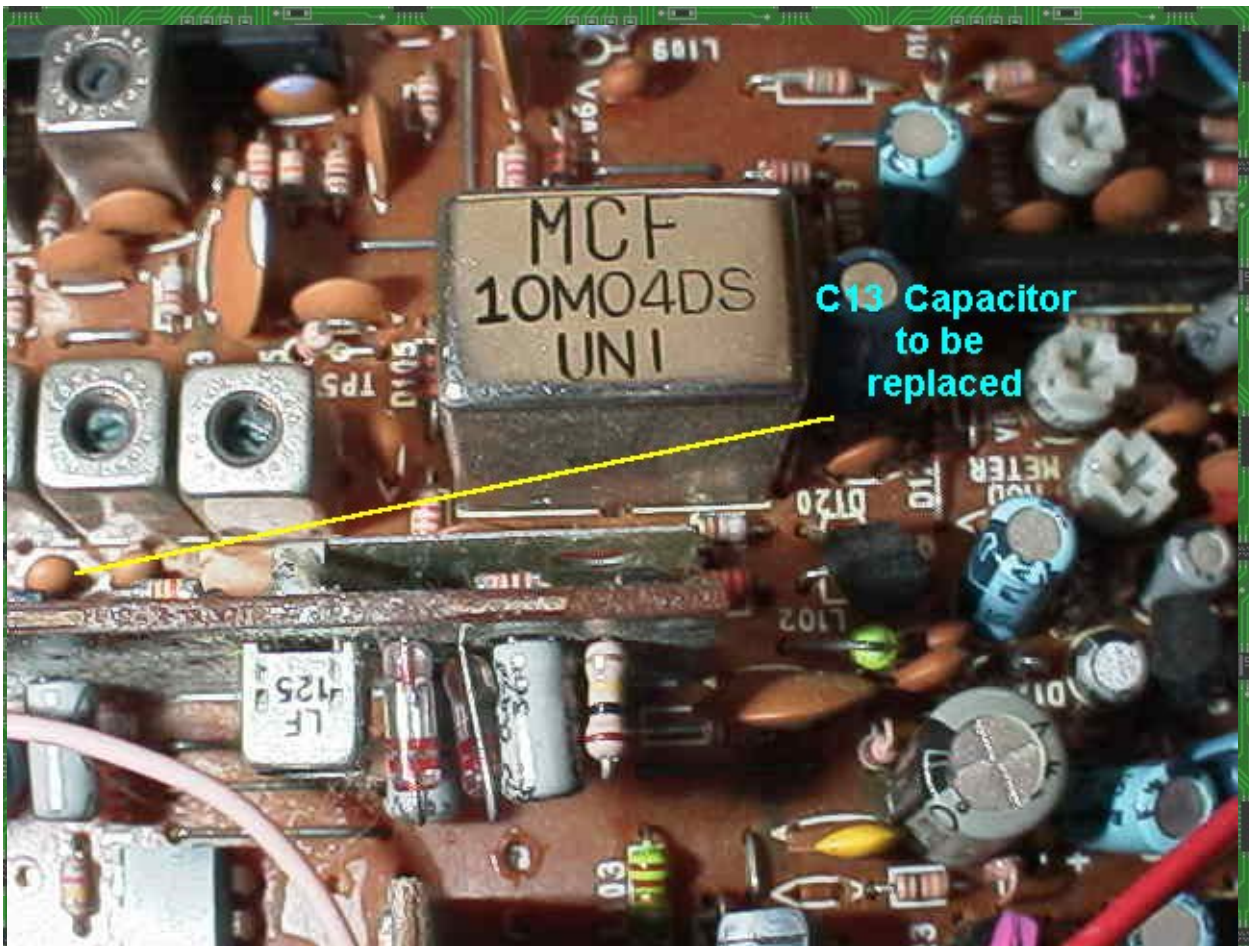


Power is taken from the + lead where it is soldered to the main board. But it can be on the power switch where it would be off when the radio is off. The ground can be made to the large trace and solid tinned wire will allow the filter board to be secure.

## View of the component side of the main board





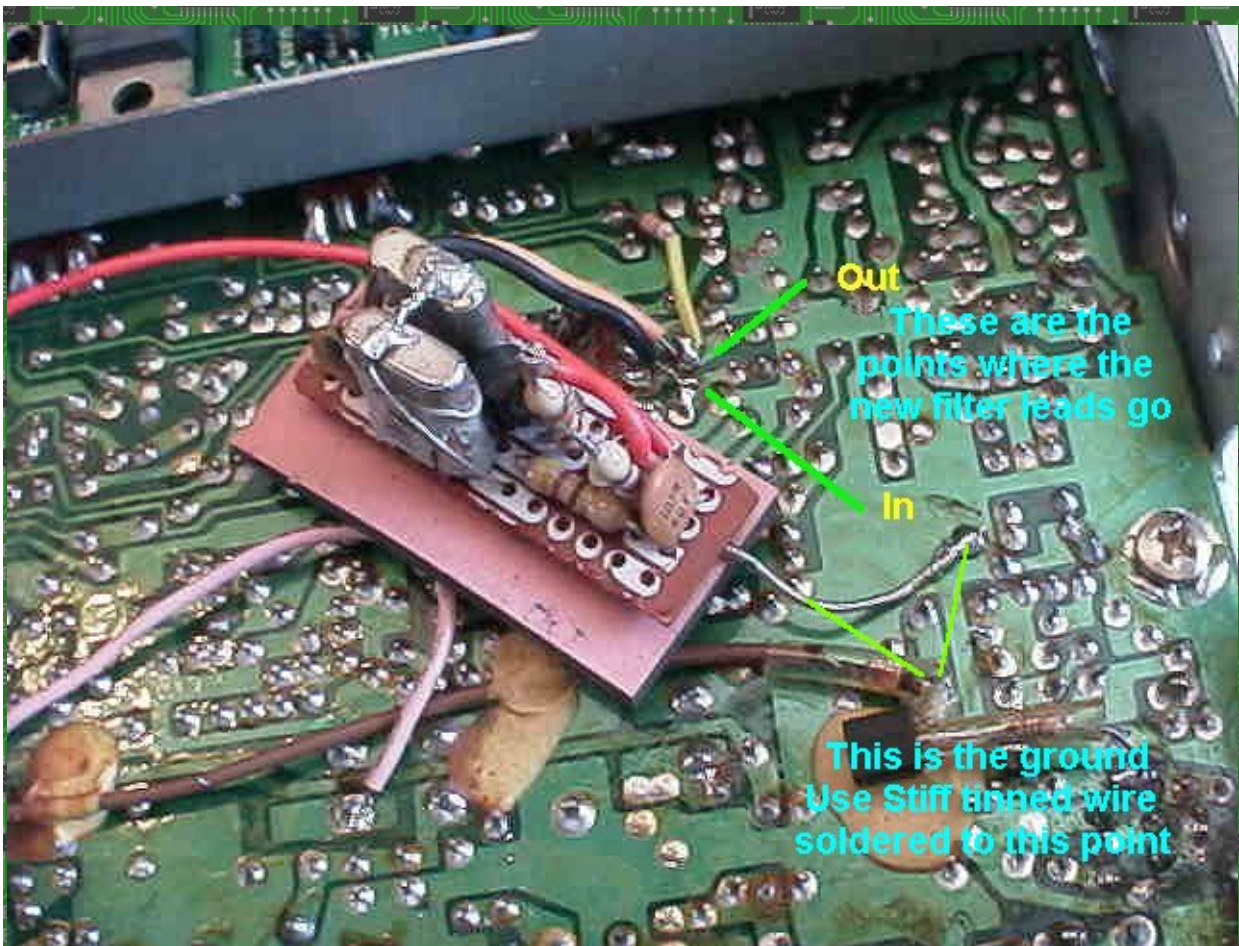


C13 Capacitor  
to be  
replaced

Replacing this capacitor with the homebrew filter will let you "hear" farther than you have before!  
Goes well with the "talk" range!

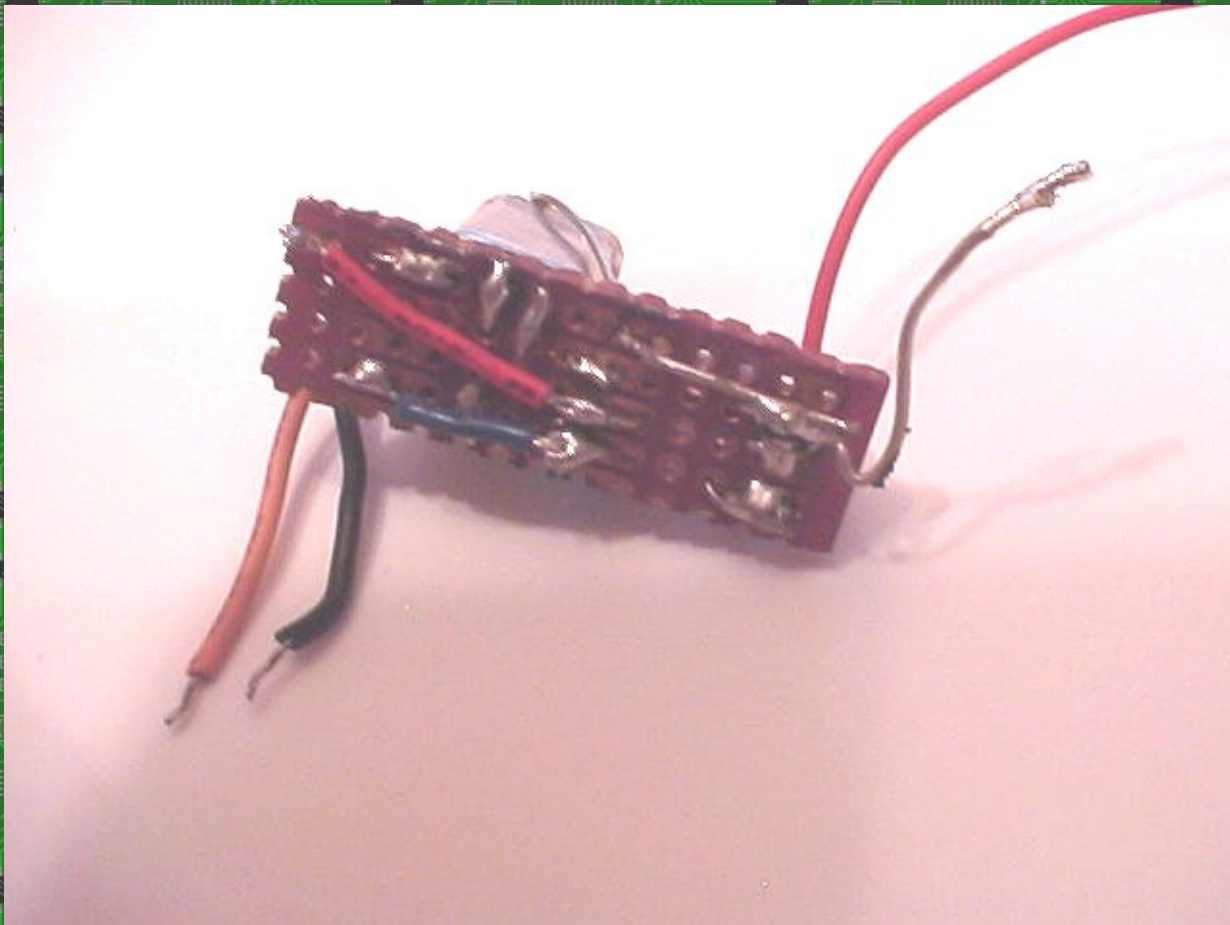
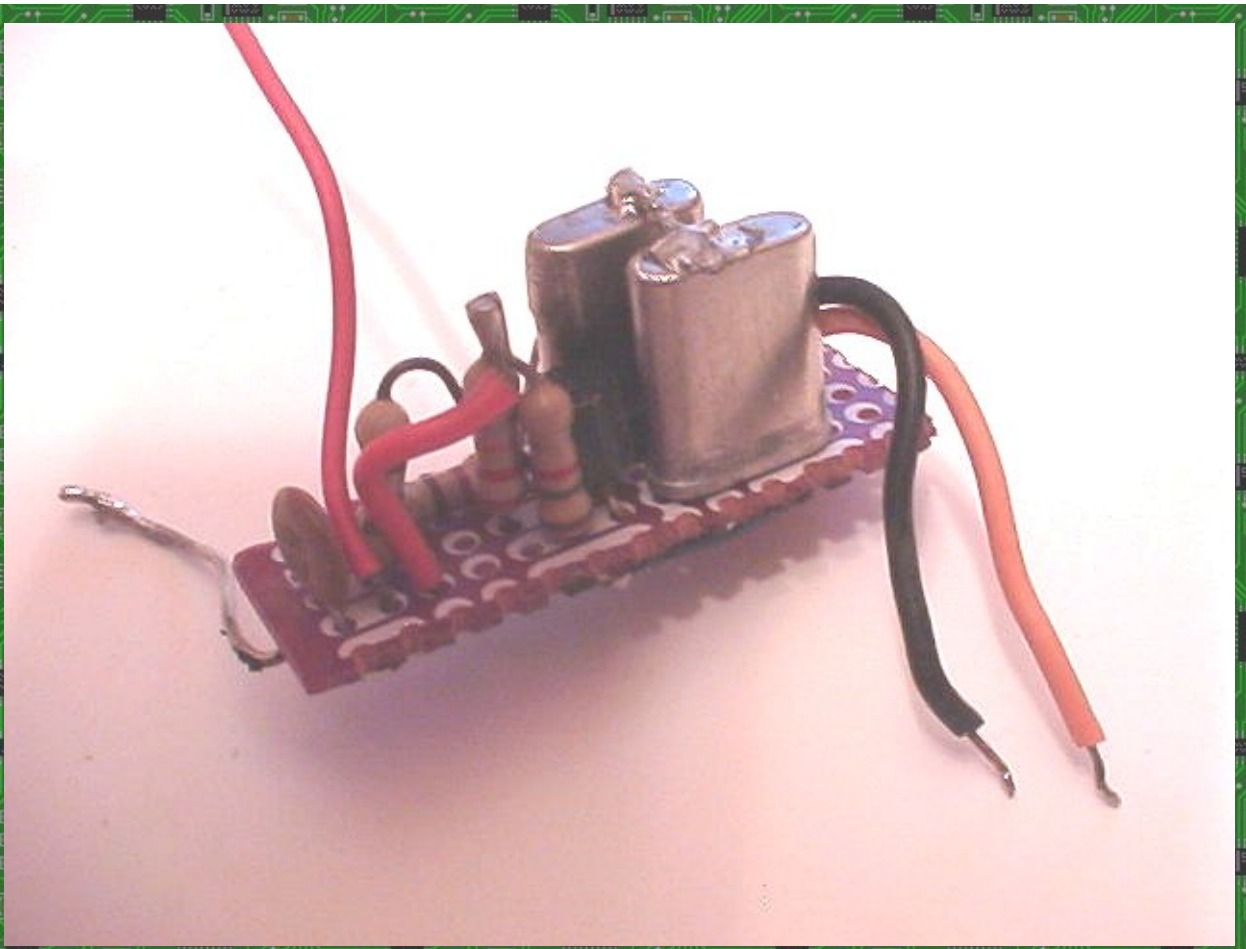
Points where the conections are made





Close quarters for soldering but it can be done! Use a red wire for the power lead, tinned wire for the ground and two colors for the in / out leads. At this stage the 3pf cap has been removed and the in / out leads take it's place.

## Views of the filter



Two shots of the filter removed from the HR2510. Simple to construct, easy to install! One of the best mods for the 2510 and works well! Click on the photo below for the next page with more



details on the building of the mod...



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