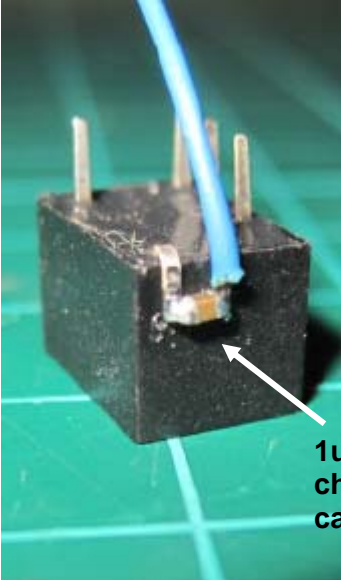


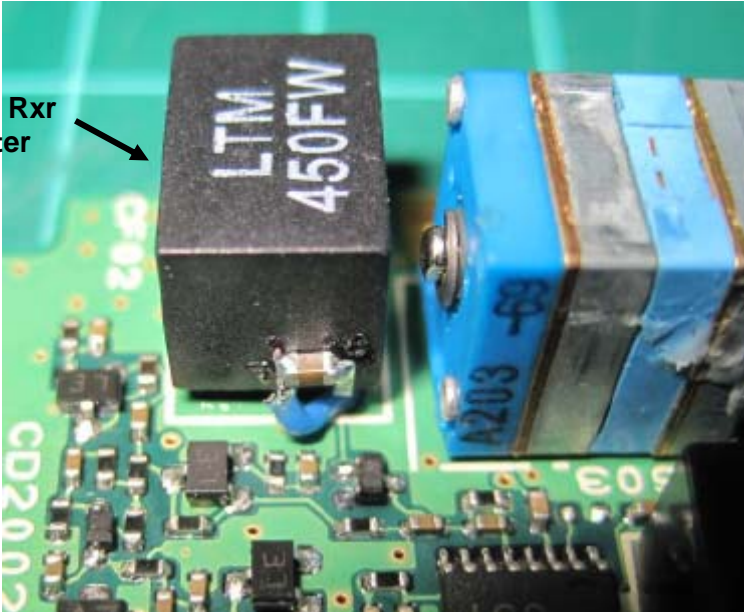
The Yaesu VX7R has a problem with its two ceramic 450 KHz IF filters in that there was no DC blocking capacitor fitted to the output contrary to the filter manufacturer's recommendation. The result is that the filters ultimately fail.

There is no place on the pcb to fit a suitable capacitor. Also the pcb is doubled sided, so this presents another problem in installing the blocking capacitor, let alone that the tracks are very small.

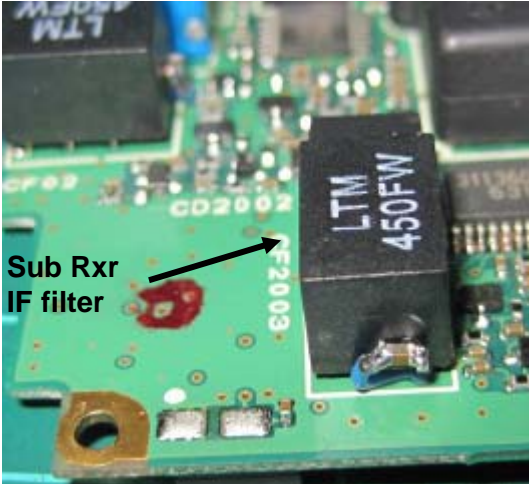
This is the method I used to fit a blocking capacitor to both filters. Bending the filter's o/p pin and using a chip capacitor and a teflon covered wire (I used wire wrapping wire) is an easy solution to a design fault and ensures that the filters are protected.



1uf 0603 chip capacitor



Main Rxr IF filter



Sub Rxr IF filter