

TS-850: Installing Inrad SSB and CW Filters

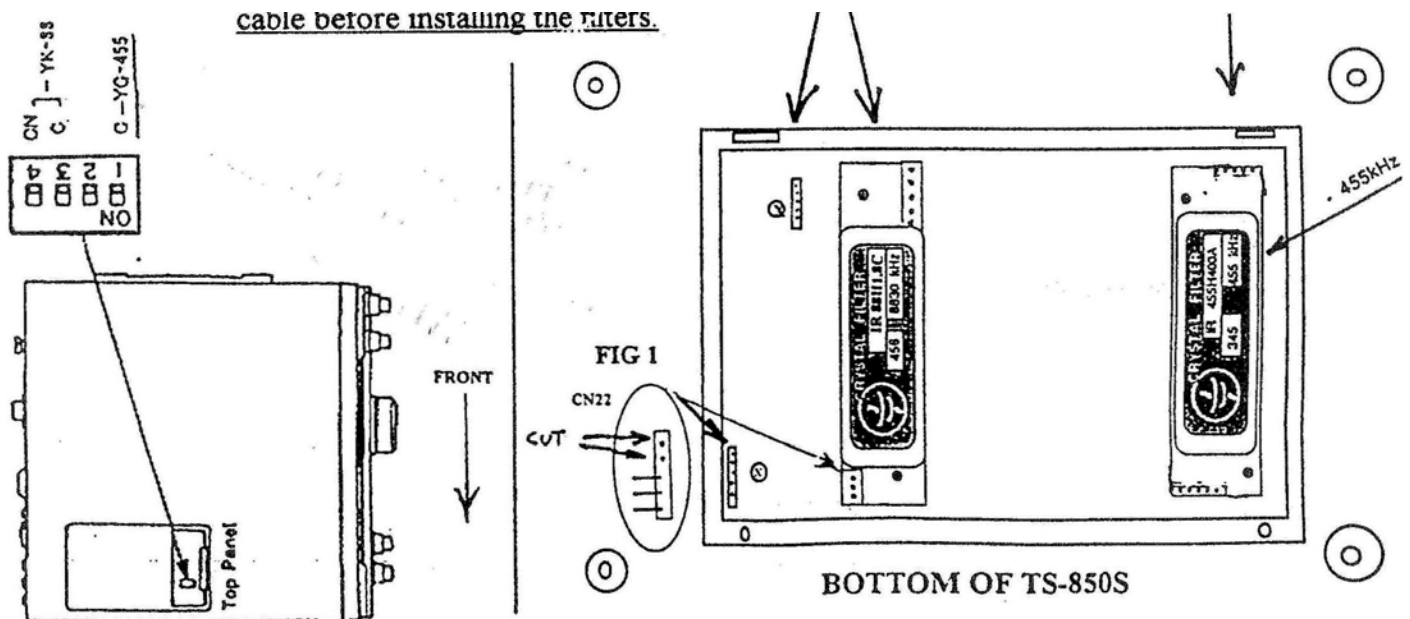
Congratulations! You have just purchased one of the finest crystal filter kits available from any source. After installation, your TS-850S will exhibit excellent SSB and CW selectivity. The better shape factor of the 8-pole crystal filters will dramatically reduce adjacent frequency interference in today's crowded bands.

The Inrad filters will be placed in the TS-850 in the space identified for optional filters. Refer to page 67 of your Owners Manual, Crystal Filter installation. Be sure to unplug the DC power cable before installing the filters.

Refer to the figure below. Cut the two pins of plug CN22/CN24 close to the white base. Install the filter and secure with the two screws. Under top panel set switches as indicated below.

After the switches are changed, reset the TS-850 microprocessor by holding in the A=B button on the front panel as you turn on the main power switch. Note: The filter display will read differently than the filter selected; e.g. after installing 1.8 filter, display may light up 500. This is normal.

If you are installing two 8830 IF filters (or adding a second one to one already there), please see the note on the next page.



Installing Two Inrad 8830 IF Filters

There are two slots in your radio for high IF (8830) filters. Two of our custom PC boards will fit exactly into the space allowed. They should just touch, and not overlap.

Note that on our 8830 PC board, there are two sets of holes into which our filter can be soldered. We normally put the SSB filters into one set, and the CW filters into the other.

However, if you are installing two 8830 filters, and if one or both of the filters hangs over the edge of the board and prevents you from properly installing both boards, you will need to unsolder one of the filters and move it to the other set of holes, resoldering it there. As you look into the radio, the filter on the left will slightly extend beyond the left edge of the board, and the filter on the right will slightly extend over the right edge of its board (see diagram). This will not affect the performance of the filter.

