

# Installation of Optional IF Filters in the FT-990

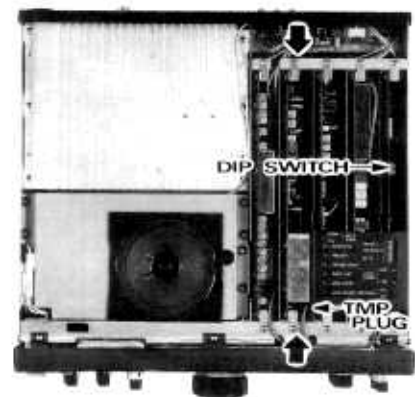
The XF-10.9M-202-1 IF filter can be installed in the 2nd IF to provide a 2.0-kHz bandwidth in SSB and CW modes, and the XF-109C and XF-455K-251-01 IF filters can be installed in the 3rd IF to provide 500- and 250-Hz bandwidths in CW mode, respectively (the XF-109C is factory installed in AC-operated versions). Proper performance with these filters depends on proper installation. If you are unsure of the procedure after reading the following, feel free to ask your Yaesu dealer for help.

- Remove the power cord from the rear panel.
- Remove the ten screws affixing the top cover, as shown at the top right. Lift off the top cover.
- Locate the IF Unit, which is the second plug-in card from the loudspeaker (see right photo). Remove the two screws in the bracket ears at the front and rear edges of the board, and lift the board slightly out of the chassis so that you can remove the TMP coaxial plug near the front. Remove the board from the chassis.
- Referring to the photos at the lower right, determine the location(s) of the filter(s) you are installing. Straighten the filter leads, if necessary. Then position each filter as indicated in the photos, and push the filter leads through the board.
- Solder each wire on the solder side of the board, and then clip off any excess leads. Check your solder joints carefully.
- Replace the board in the chassis, using care to align the board edges with the tracks at the front and back of the slot. Reconnect the TMP plug before replacing the screws in the brackets.
- Referring to the Filter Switch photo below, locate this DIP switch block near the top center of the Control Unit (in the rightmost slot). Set the switch "ON" for each filter you have just installed: switch 2 for the 2.0-kHz filter, switch 3 for the 500-Hz filter, and switch 4 for the 250-Hz filter.
- Replace the top cover and ten screws removed above.

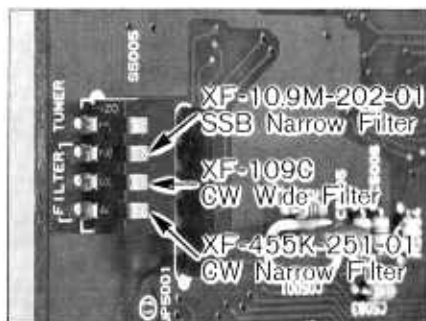
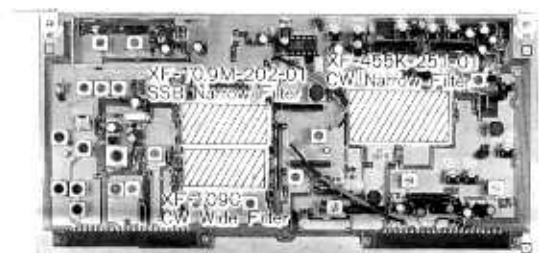
## Top Cover Removal



## IF Unit Location



## Filter Locations



Filter Switch (on Control Unit)

**YAESU MUSEN CO., LTD.**

C.P.O. BOX 1500, TOKYO, JAPAN

**YAESU U.S.A.**

17210 Edwards Rd., Cerritos, California 90701, U.S.A.

**YAESU EUROPE B.V.**

Snipweg 3. 1118AA Schiphol, The Netherlands