

FTS-8 INSTALLATION

The FTS-8 is a subaudible CTCSS (Continuous Tone-Controlled Squelch System) which offers programmable selection of 37 tones for transmission and filter/detectors for reception. Transmit only (encode) and transmit/receive (encode/decode) modes are selectable from keys on the transceiver.

FT-270R/RH & FT-770R/RH

1. Disconnect the power cable at the rear of the transceiver. Referring to Figure 1, remove the rear panel screw affixing the top cover, and then the cover.
2. Referring to Figure 2, locate the two plastic connectors on the Main Board just behind the tuning knob. A small (1/4W) 47k Ω resistor and a jumper wire are installed in the rearmost connector, and these must be removed before installing the FTS-8.
3. Position the FTS-8 so that the connecting pins are aligned with their mating connectors as shown in Figure 3, and gently press the FTS-8 into place.
4. Replace the top cover and its screw. The output tone level (VR1 on the FTS-8) is adjusted at the factory for the proper deviation, so no alignment is necessary.

FT-2700RH

1. Disconnect the power cable at the rear of the transceiver. Referring to Figure 4, remove the rear panel screw affixing the top cover. Remove the cover by sliding it back about 1cm, and then lifting it away. Then remove the seven screws affixing the shield cover at the left rear corner of the chassis, and remove the shield cover.
2. Referring to Figure 5, locate and remove the dummy board at the rear left corner of the chassis.
3. Position the FTS-8 so that the connecting pins are aligned with their mating connectors as shown in Figure 6, and gently press the FTS-8 into place.
4. Replace the shield cover and its screws, and then replace the top cover in the reverse manner from which it was removed, sliding it forward so that the spring clip grasps the chassis before replacing the screw. The output tone level (VR1 on the FTS-8) is adjusted at the factory for the proper deviation, so no alignment is necessary.

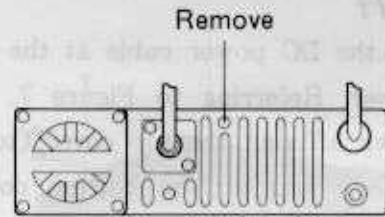


Figure 1

Remove the Jumper
Remove the Resistor

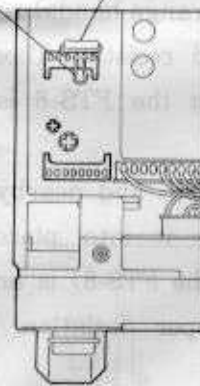


Figure 2

Press the FTS-8

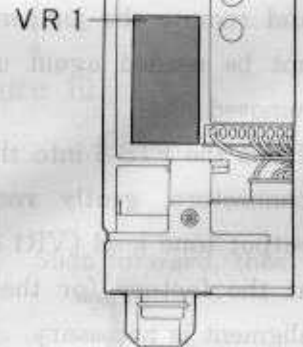


Figure 3

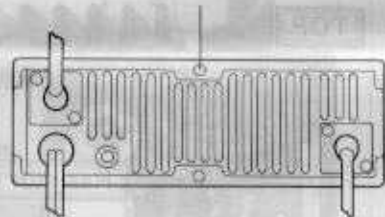


Figure 4

Remove the Dummy Unit

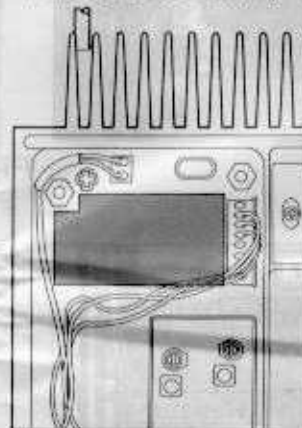


Figure 5

VR1

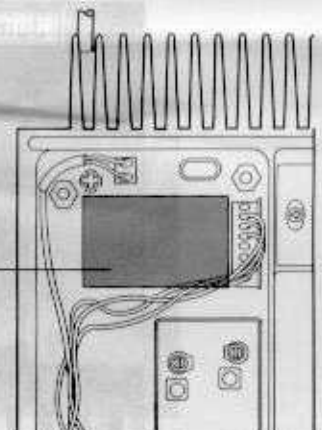


Figure 6

FT-767GX

1. Remove all connections from the jacks on the rear panel, and then place the transceiver upside down. Referring Figure 15, remove the eight screws (two on either side, including those affixing the carrying handle, and four on the bottom) affixing the bottom cover. Remove the handle and cover.
2. Referring to Figure 16, locate 6-pin white plastic connector J2018 and 8-pin connector J2019. Orient the FTS-8 so that it is aligned to mate with both of these jacks, and carefully press it into place.
3. Again referring to Figure 16, locate jack J1014 on the IF Unit (the larger of the two circuit boards). This has a jumper plug installed in it, which must be removed (and may be discarded).
4. If the Tone Burst Unit is not installed, skip this step. If the Tone Burst Unit is installed (it is supplied as standard in European versions), it must be disconnected (the Tone Squelch and Tone Burst Units can not both be installed together).

Referring to Figure 17, remove the two screws at the front edge of the top cover, and loosen the two screws affixing the front panel to the lower half of the chassis on either side. Then slide and tilt the front panel assembly forward. Locate the Tone Burst Unit as shown in Figure 18, and remove the two connectors, taping them out of the way. Replace and tighten the six screws removed or loosened above.

5. Replace the bottom cover and eight screws removed in step 1, and retighten the carrying handle. Installation is now complete. The output tone level (VR1 on the FTS-8) is adjusted at the factory for the proper deviation, so no alignment is necessary.

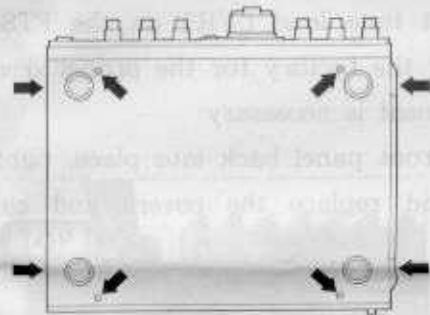
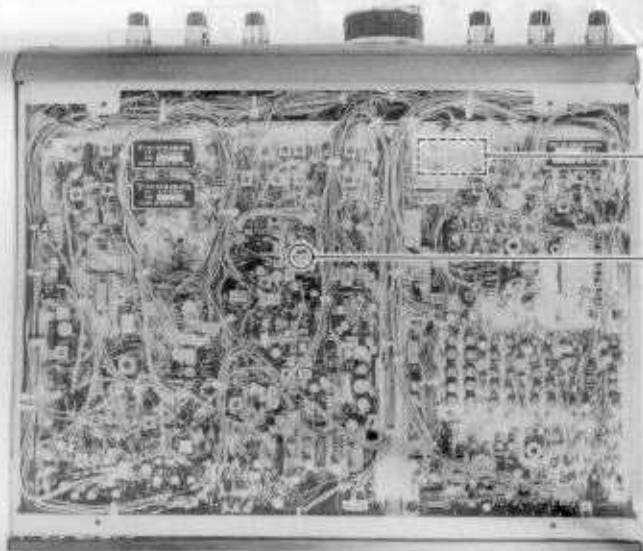


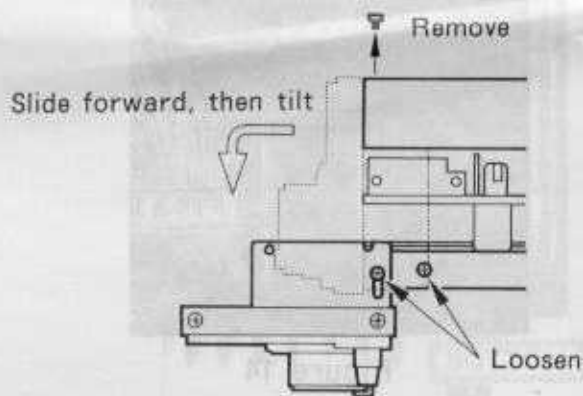
Figure 15



FTS-8 Mounting Location

Remove Jumper Plug

Figure 16



Tone Burst Unit Location

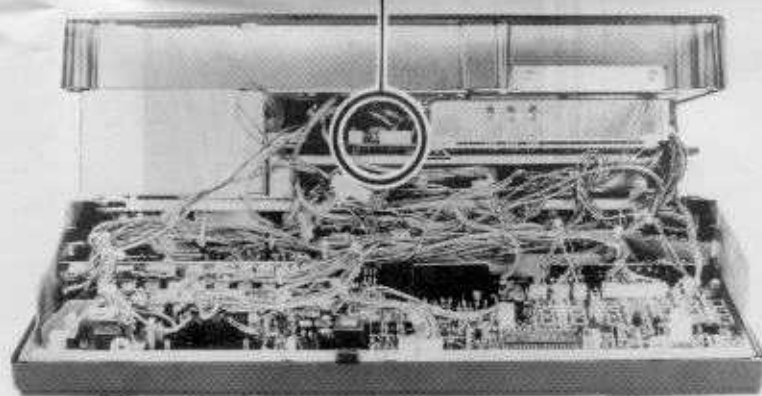


Figure 18

Figure 17

FT-650

1. Disconnect the transceiver from the power source. Referring to Figure 19, loosen the two carrying handle screws, and remove the two screws on each side of the upper half of the transceiver, and the four screws from the top. Then lift off the top cover.
2. Referring to Figures 20 and 21, at the top left side of the rear-most circuit board, locate the two white plastic connectors, one of which is empty, and the other having only a 47-k (yellow-purpul-orange) resistor installed between pins 4 and 5. Remove the resistor, and save it if you expect to remove the FTS-8 later.
3. Press the FTS-8 onto the two connectors, so that all pins find their mating holes (see Figure 22).
4. Replace the top cover, carrying handle, and the 8 screws removed in step 1. Installation is now complete. The output tone level (VR1 on the FTS-8) is adjusted at the factory for the proper deviation, so no alignment is necessary.

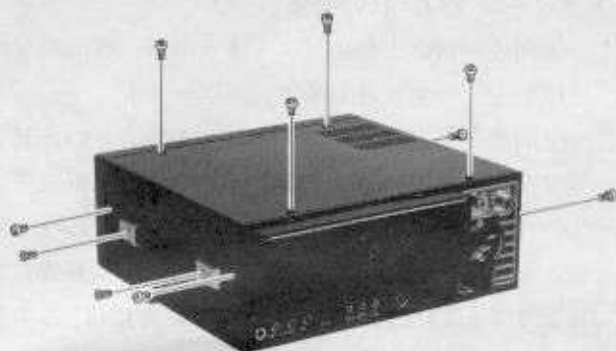


Figure 19

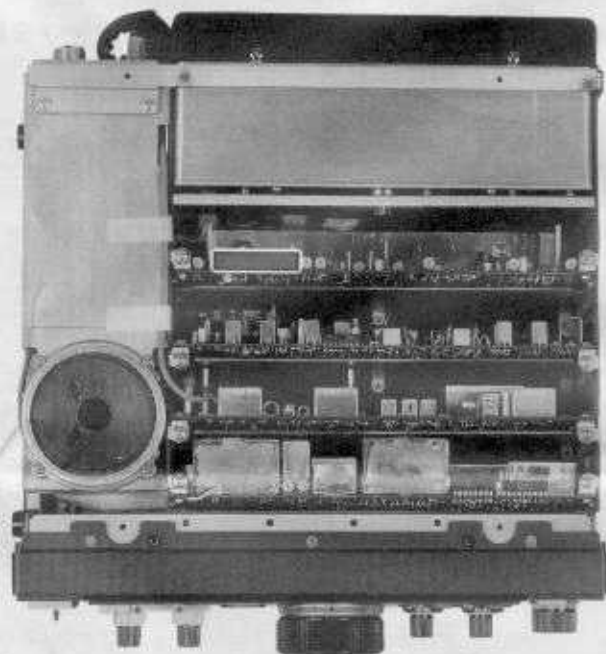


Figure 20

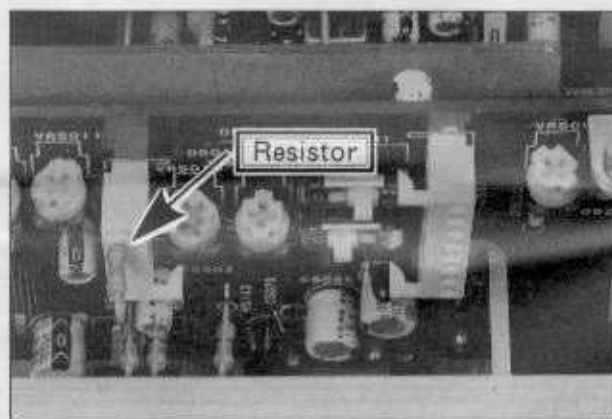


Figure 21

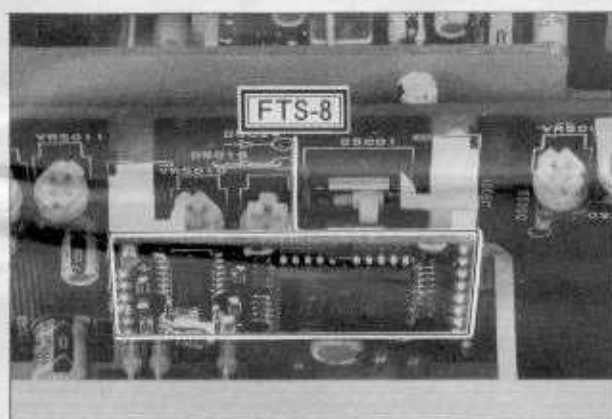


Figure 22