

TR-35 Final Assembly

There are four adjustments that can be made before the final case assembly. The adjustments must be made before the lower-case half is installed. The blue LED Signal level adjustment pot R4 should be adjusted for a dim blue light with no antenna connected. The R40 PA bias adjustment should have been made as part of the preliminary checks and tests. Make this adjustment before you transmit. The side-tone level control R31 should be adjusted to set the level to your liking. To set the battery warning level pot R38, a power source with an adjustable voltage level will be required. Set the power supply voltage to the point where you wish the red warning LED to blink, and then adjust the pot until the LED just starts to blink. This level can be set from about 9.5 volts to about 11 volts. Turning the pot all the way clockwise as viewed from the rear of the TR-25 will set the level to its lowest. Once the adjustments are made, the case can be assembled. Be sure that the lower board is attached to the board spacers with four 3mm screws. Start by placing the board set into the lower case half. Slip the BNC connector through the large hole in the right side of the case bottom half. The board set should fit flat with a minimal amount of persuasion. Now place the upper case half down over the panel shafts. If it seems that the fit must be forced, investigate the reason. With the top properly fitted to the bottom, install the four original black case screws. Place the two nuts on the switches, and place the nut on the encoder shaft. Slip the red vinyl cap onto the power switch toggle, and the white caps onto the Band/RIT and RCVR Mode/AUX switch. Be careful when installing the panel LED lenses. It requires some care to prevent damage to the lenses while installing them from the front side of the panel. Place the red lens for the Low Batt warning, the orange for the RIT warning, and the blue for the SIG indicator. Before installing the knobs, back out the setscrews and rotate a ¼" drill bit by hand into the shaft holes to remove any burrs, and then replace the setscrews. When installing the knobs, make sure that they do not rub and mark up the pretty panel. Remember that the tuning knob must be installed far enough above the panel so as to allow for a slight downward movement with a push on the knob for setting the tuning resolution.