



for

Tubester Sets 75S-1

The receivers will operate just fine with only one Tubester replacing a tube, or with any mix of Tubesters and tubes, or with all Tubesters. They may be exchanged for the tubes in any order, and no precautions need be observed in operating the receivers after they are installed. However, TUBESTERS WILL BE DESTROYED IF INSTALLED OR REMOVED WHILE THE RECEIVER POWER IS ON, OR IF INSTALLED IN THE WRONG SOCKET AND POWER TURNED ON.

One additional caution: The heat sinks on the power transistors are "hot". Assure that they don't touch chassis metal after installing the Tubesters, and don't touch the sinks with the receiver power on.

SHORT FORM INSTALLATION INSTRUCTIONS:

Remove the tubes and put the Tubesters in the sockets for which they are labeled. Put the Mute Jack Adaptor in the Mute jack, and the transmitter cable in the Adaptor. Install the Clip-on Capacitor per Paragraph 5.b., Page 2. (This requires removing the receiver from its cabinet. It is not essential, and may be omitted or postponed). Turn the power switch to STANDBY. The receiver should respond instantly.

Then:

- Zero the S-Meter
- Set the Calibrator to WWV.
- Touch-up the RF and OSC trimmers on all bands.
- Set R57 RF Gain Adjust, per the Collins manual or Paragraph 11, Page 3.

The installation is complete.

STEP BY STEP INSTALLATION INSTRUCTIONS:

1. Turn on the receiver. Using the USB mode, RF Gain Control maximum, any band, assure that the receiver operates properly. Turn the receiver off.
2. Remove the (3) 9-pin tubes. Place the color dots from the 9-pin Tubester package near the tube markings on the chassis; they will aid in proper socket Tubester installation:

Color	Tubester Type	Will Replace	At
White	ST201	(6U8A or 6EA8)	V6
Silver	ST203	(6U8A or 6EA8)	V2
Orange	ST204	(6U8A or 6EA8)	V3

3. Install the (3) 9-pin Tubesters. Take care that the ST204 heat sink does not touch metal; it may be bent or twisted a bit for clearance without damage.
4. Turn on the receiver. It should respond and operate normally. Turn it off.