

SEE FIGURE 28.

- Mount the 680Ω S-METER adjust control as shown.
- Carefully unsolder the leads of R-30, a 680Ω resistor (blue, gray, brown) from the IF printed circuit board. Throw it away.
- Solder the free end of the violet wire in hole 21.
- Connect, but do not solder, the free end of the white-brown wire to terminal 3 of TS-5.
- Solder one end of an orange wire to terminal 3 of the 680Ω control. Solder the other end in hole 37.
- Solder one end of a red wire to terminal 1 of the 680Ω control. Solder the other end to terminal 1 of TS-4.

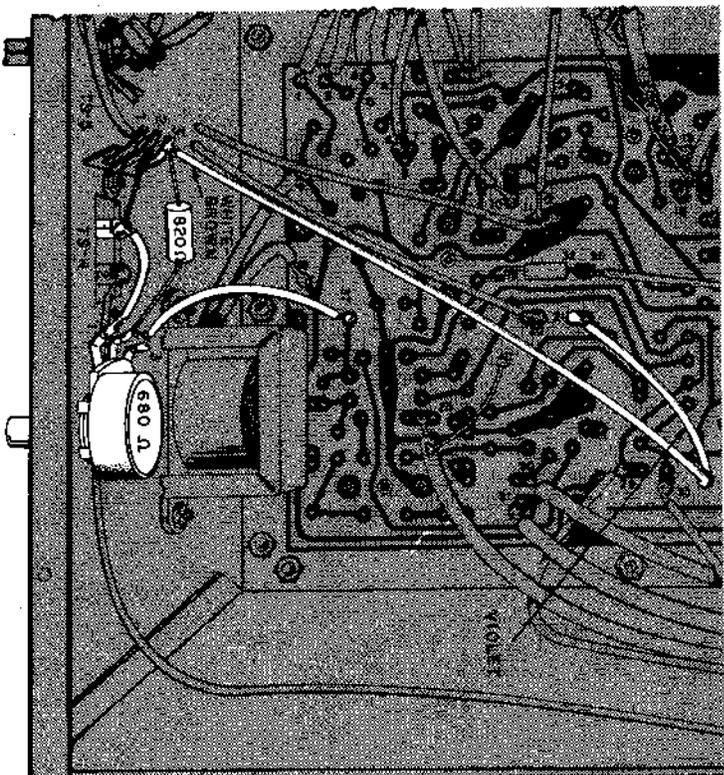


FIGURE 28. S-METER WIRING

- Solder one lead of a 820Ω resistor (gray, red, brown) to terminal 3 of TS-5. Solder the other lead to terminal 2 of the 680Ω control.

ADJUSTMENT OF THE S-METER

- Adjust the screw (zero set) at the bottom of the S-METER until the meter pointer is at zero (extreme left end of calibration).
- Connect the receiver to a power outlet. Turn the OFF-STBY-RCV-CAL switch to STBY position, and allow the receiver to warm up. Turn the BFO-MVC-AVC-ANL switch to AVC.
- Adjust the 680Ω control so the meter reads zero.

- Turn the receiver off, and remove the plug from the power outlet. Replace the bottom plate, and reinstall the receiver in the cabinet.

The receiver is now ready to operate.

INSTALLING THE CRYSTAL CALIBRATOR

NOTE: Do not add this unit while the receiver is plugged into a power outlet.

- Remove the chassis from the cabinet. Remove the bottom plate.
- Mount the Crystal Calibrator inside the chassis using two 4-36 x 3/8" screws, lockwashers, and nuts. (See the photograph on page 40.)

There are four wires coming from the Crystal Calibrator. Connect these wires as follows. It is important that they be cut to the proper length to eliminate unnecessary slack.

- Solder the red wire to terminal 1 of TS-5.
- Solder the green wire to terminal 1 of TS-1.
- Solder the black wire to hole 7 on the IF printed circuit board.
- Solder the brown wire to hole 5 on the IF printed circuit board.