

Tester, he can save himself a lot of valuable time by applying some of the short cut methods listed below instead of a point-by-point check.

1. The first quick check should be the IF stages because this immediately splits trouble--either the front end is defective or the audio section is defective.

The tester is set up to receive the IF signal. The Input probe is so sensitive that it need only be held near the IF stages and the IF signal will be picked up and reproduced by the speaker of the tester. Or, if the technician prefers, he can touch each one of the transistor body shields from the top with the Input Probe tip. For each succeeding IF transistor a greater level will be heard from the speaker.

2. The audio section can be signal traced in the same manner as the IF section. In this case, the Tester is set up as an Audio Amplifier and the Input probe tip is touched down on the audio transistor body shields and the audio signal is picked up and reproduced by the speaker of the tester. A suitable ground wire should be connected between the chassis and the tester otherwise hum would be present in the signal. If this method does not work, the technician should check to see if the body shields are grounded.

3. Checking the Ant. Coil for resonance and tracking.

The tester is set up as a receiver in the Broadcast Band.

The tuning dial is adjusted to a strong station near the middle of the band. A suitable ground wire connected between the chassis and the Tester.

The Input Probe tip is held close to the high side of the Ant. Coil. The volume control of the radio should be turned down. The variable condenser in the radio is then adjusted until the signal is at a maximum level. This indicates that the Ant. coil is tuned to resonance. The volume control can now be turned up. If the station is heard, the radio is properly tracked. If the station is not heard or is weak, the receiver is not tracked properly and therefore requires re-alignment.

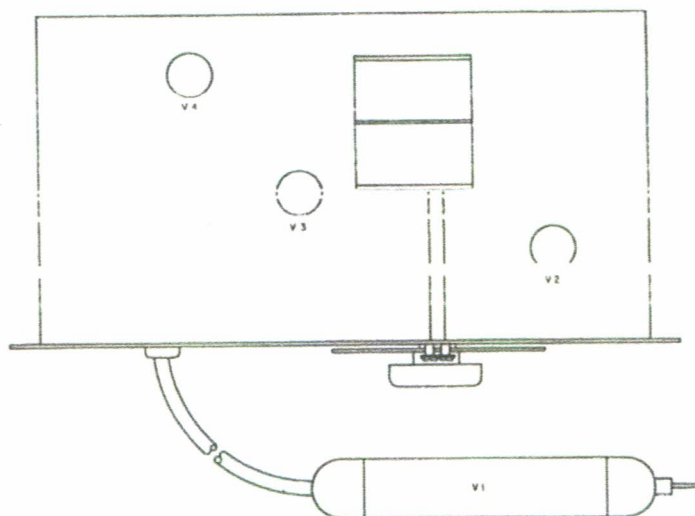


Fig. 3. Illustrates Location of Tubes