# ALIGNMENT AND ADJUSTMENT

Refer to Figure 1-1 (fold-out from Page 28) for the following steps.

Set the controls as follows:

RF ATTN: fully clockwise.
VOX SENS, VOX DELAY, AF VOL, and TUNE LEVEL: half rotation.
BIAS ADJ and MIC GAIN: fully counterclockwise.
Meter switch - BIAS SET.
FUNCTION switch: OFF.
Sideband switch: LSB.
S METER ADJ: fully counterclockwise.
CARRIER NULL: any position.

Using an ohmmeter, make the following resistance checks at the Power plug:

| TEST POINT | RESISTANCE |
|---|---|
| Pin 1: | 37 KΩ |
| Pin 3: | 33 KΩ |
| Pin 4: | Infinity |

If any of these resistance readings vary more than ±20%, refer to the In Case Of Difficulty section on Page 53 of the Manual before proceeding.

## RECEIVER ALIGNMENT

NOTE: Phono plugs are provided for making connections to the sockets on the rear of the Transceiver. Refer to Figure 2-3 for wiring a phono plug to coaxial cable.

Connect an 8 Ω speaker (a 3.2 Ω to 16 Ω speaker may be used with reduced efficiency) to the SPKR socket, and a 50 Ω dummy load to the ANT socket. With the power supply wired according to the instructions in the Power Supply section of the Manual, connect it to the Transceiver Power plug. Make sure the VOX DELAY control is at the center of its rotation. The relay will click during the first few seconds of warmup. This is normal.

( ) Turn the FUNCTION switch to PTT. The pilot lamps and the tube filaments should light. Watch to see that the meter remains at zero; if it should start to deflect, the Transceiver should be turned off immediately, as the bias circuit of tube stages V6 and V7 is probably shorted and must be corrected before proceeding.

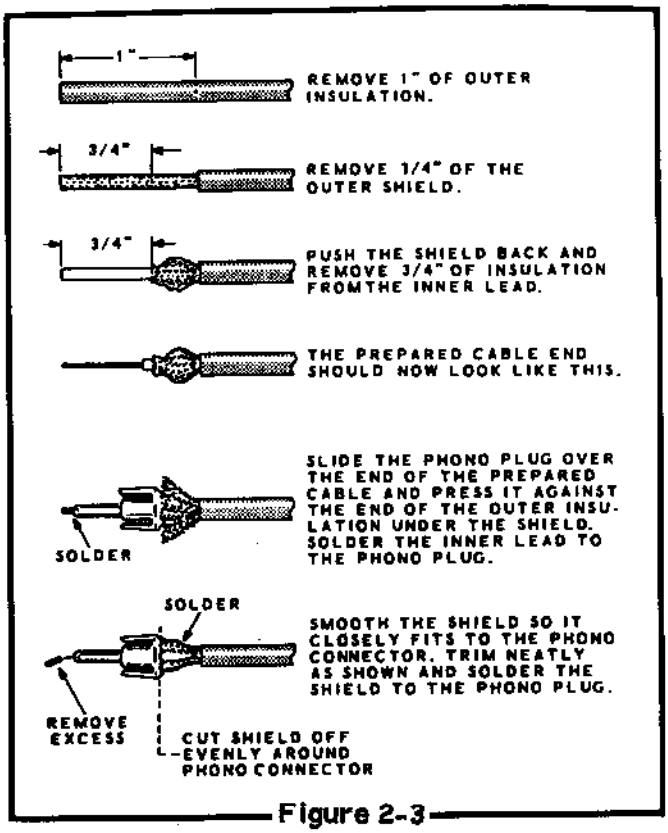

Figure 2-3

( ) Place the Meter switch in the OPERATE TUNE position and adjust the S METER ADJ control for a zero indication on the meter.

( ) Remove the dummy load from the ANT socket and plug an antenna into the ANT socket.

( ) Turn up the AF VOL control until noise is heard in the speaker. Tune up and down the band with the VFO. Stations should be heard if there is any local activity.

( ) Tune in a station that gives approximately a midscale (S9) meter reading.