

## INITIAL TESTS

Refer to Figure 1-1 (fold-out from Page 24) for the following steps.

- (✓) Rotate all the controls fully counterclockwise.
- (✓) Press in the 40M pushbutton.
- (✓) Be sure the CRYSTAL TRANSMIT pushbutton is in its out position.
- (✓) Connect the 50  $\Omega$  dummy load to the ANTENNA phono socket on the rear panel.
- (✓) Connect a pair of headphones, preferably 2000  $\Omega$ , to the HEADPHONES jack on the rear panel.

NOTE: The Heathkit Electronic Keyer, Model HD-10, can be used with this Transceiver. Otherwise be sure that your keyer or key has a phone plug that mates with the KEY jack on the Transceiver.

- (✓) Connect your key to the Transceiver KEY jack.
- (✓) Connect an appropriate power supply, such as the Heathkit Model HWA-7-1, to the POWER connector on the rear panel. CAUTION: Be sure to observe the correct polarity or the transistors will be permanently damaged.

NOTE: If you do not get the required results in the following steps, turn OFF the Transceiver and refer to the "In Case of Difficulty" section on Page 30.

- (✓) Turn on the power supply and then turn on the Transceiver. Rotate the AF GAIN control to the 12 o'clock position. You should hear noise in the headphones.

- (✓) Tighten the three driver trimmer capacitors until they are just snug.
- (✓) Loosen the 15M DRIVER capacitor 3/4 turn from its snug position.
- (✓) Loosen the 20M DRIVER capacitor 1/8 turn from its snug position.
- (✓) Loosen the 40M DRIVER capacitor 1/4 turn from its snug position.
- (✓) Key the Transceiver. The relay should energize and a sidetone should be heard in the headphones. Release the key.
- ( ) Key the Transceiver. Rotate the TUNING knob for a peak indication on the relative power meter. Release the key.

NOTE: It is possible to obtain two peak indications on both the 20M band and the 15M band. Tune only for the peaks called for below and disregard the others.

- ( ) Press in the 20M pushbutton.
- ( ) Key the Transceiver. Rotate the TUNING knob for a peak indication (between 1 and 2 on the tuning dial) on the relative power meter and then release the key.
- ( ) Press in the 15M pushbutton.
- ( ) Key the Transceiver. Rotate the TUNING knob for a peak indication (between 2 and 3 on the tuning dial) on the relative power meter and then release the key.

This completes the "Initial Tests." Proceed to the "Alignment" section of the Manual.