

INITIAL TESTS

The following tests are performed on your Transceiver to make sure it is operating properly before you begin alignment. If you do not obtain the indicated results at any time, turn the Transceiver off and refer to the "In Case of Difficulty" section on Page 69.

You will need a pair of high impedance (about 2000 Ω) headphones, a key, and a 13.4-volt DC power supply to complete the Initial Tests and Alignment.

Refer to Figure 1-2 in the Illustration Booklet for the following steps.

- () Set all of the front panel controls fully counterclockwise.
- () Set the SIDETONE LEVEL control to the center of its rotation.
- () Push the 7.0 MHz band switch in.
- () Connect the 50 Ω dummy load to the ANTENNA socket on the rear panel.
- () Connect a pair of headphones to the HEADPHONE jack on the rear panel.
- () Connect the key to the KEY jack on the rear panel.
- () Plug the power cable onto the POWER socket on the rear panel.
- () Connect the power cable red lead to the + (positive) terminal and the black lead to the - (negative) terminal of a 13.4 VDC power source. CAUTION: Be sure you observe the correct polarity; otherwise the transistors in the Transceiver will be damaged.
- () Turn the Transceiver power on by rotating the AF GAIN control clockwise until it "clicks" on.
- () Turn the AF GAIN control to the center of its rotation. Noise should be heard in the headphones.
- () Key the Transceiver. The relay should click and a sidetone should be heard in the headphones. Adjust the SIDETONE VOLUME control on the circuit board for a comfortable listening level. Release the key.
- () Turn the AF GAIN control counterclockwise until it "clicks" off.

This completes the Initial Tests. Proceed to the "Alignment" section. Do not disconnect the power supply, key, or headphones from the Transceiver.