

TRANSMITTING

- a. Preliminary Step 1. Check for proper operation of the transmit-receive relay by turning function switch to TRANSMIT position, and immediately back to RECEIVE, listening for click of the relay. Do not allow the transceiver to remain in TRANSMIT position in untuned state for more than a few seconds. Plug the microphone into the Mic. Jack on the rear of the transceiver and check relay operation by pressing push-to-talk switch, if so equipped, with Function switch in RECEIVE.
- b. Preliminary Step 2. PA bias adjustment. This adjustment must be made when first operating from a new power supply, and whenever resting PA current exceeds specified value.
 1. Turn Function Switch to TRANSMIT position, adjust Carrier Balance for minimum meter reading.
 2. Use PA Bias Control on back of the transceiver to adjust the meter reading to 25 ma. Make sure that Carrier Balance control is set to minimum meter reading when making this adjustment. The idling or resting current may vary somewhat from time to time, but should be held within the range of 20-30 ma.
- c. Transmitter Tuning.
 1. Set tuning dial to desired part of band. Set PA load to minimum, full CCW position.
 2. Turn Function Switch to TUNE position. Adjust PA tune for dip in meter reading, then adjust Exciter Tuning for maximum reading. Increase PA load clockwise until meter reads approximately 160 ma., and readjust PA tune for dip. Repeat these adjustments until PA tune dips to about 160 ma. Be sure Exciter tuning is adjusted for peak reading.

NOTE

Loading to 160 ma in TUNE position is equivalent to approximately 350 ma load in TRANSMIT position. A protective limiting circuit is incorporated to prevent PA tube damage during tuneup.