

## V OPERATION

### WARNING!

DANGEROUS HIGH VOLTAGE IS PRESENT ON THE PLATE OF THE POWER AMPLIFIER WHENEVER THE POWER SUPPLY IS ENERGIZED. NEVER TURN POWER ON WHEN THE POWER AMPLIFIER COVER IS REMOVED. HIGH VOLTAGE IS ALSO PRESENT AT PIN 8 OF THE POWER CONNECTOR.

### RECEIVING

- a. Connect power supply, speaker, if required, and antenna to the transceiver.
- b. Turn Filament Switch to ON position, allow 30 seconds warm up, with Function switch in OFF position.
- c. Turn Function Switch to RECEIVE position. Set RF gain to full 5 o'clock position and gradually advance AF gain control. A background hiss should be heard in the speaker.
- d. Set PA tune, PA load, and Exciter Tune Controls to mid-scale position. Adjust main tuning control to tune in on a signal, then adjust these controls for maximum volume. Note - This is to be done only if the transmitter portion has not been previously tuned. After the transmitter has been tuned, then PA tune, PA load, and Exciter tune need not, and should not, be adjusted when receiving.
- e. The AF gain control is normally used for adjusting volume level. The RF gain control may be left at full clockwise position most of the time, in which case the AGC, (Automatic Gain Control) system will have maximum control. Some operators may find it preferable, however, to set the RF gain control at 4 o'clock or 3 o'clock in order to limit the background noise level, particularly in mobile operation. Full AF gain, and volume adjustment with the RF gain control, only, will provide minimum background noise but also only partial AGC control. Thus, the ratio between these controls will be a factor for the operator to determine and will depend on various conditions.