

SECTION VIII (Contd)

- a. Place all switches on the power supply section to the OFF position.
- b. Place the power supply section as close as possible to the RF section of the transmitter.
- c. Insert the VFO output cable into power and RF section sockets labeled VFO. They are located on the rear apron of each of the two chassis.
- d. Insert the 6-prong power plug from the power supply section into the socket on the RF section labeled POWER.
- e. Place the power supply section FILAMENT switch to the ON position.
- f. Place the EXCITER switch to the VFO TUNE position.
- g. Place the VFO BANDSWITCH and the RF section EXCITER BANDSWITCH to the 80 M position, the frequency to approximately 3.8 MC.
- h. Adjust the slug of coil L-10 (refer to Figure 2 for location) for maximum drive to the oscillator stage of the transmitter as determined by the maximum amount of oscillator plate current dip.
- i. Place the VFO BANDSWITCH and the RF section EXCITER BANDSWITCH to the 15 M position, the frequency to approximately 21.3 MC.
- j. Adjust the slug of coil L-9 (refer to Figure 2 for location) for maximum drive to the oscillator stage as in step h.

VFO alignment and peaking is now completed and the transmitter may be reassembled for normal operation.

SECTION IX

TYPICAL VOLTAGE READINGS.

The voltage readings given in TABLE IV are typical for the conditions as set forth. Some allowance must be given if the meter used is not a 20,000/ohm per volt meter.

WARNING

Use extreme caution when taking voltage readings. High voltages, dangerous to life, are involved.