

SECTION II (Contd)

MODE. Serves three functions. In phone position, applies AC filament power to the modulator, applies AC plate power when TRANSMIT switch is turned on, removes short from modulation transformer secondary. In CW position, removes AC power to filament and plate circuits, shorts the modulation transformer secondary.

FILAMENT. (Power supply panel). Applies AC power to the entire transmitter.

EXCITER. Applies AC power to low B plus plate transformer for the exciter section and to the VFO switching relay.

TRANSMIT. Applies AC power to plate transformer for high B plus voltage for the power amplifier tube. Also applies AC voltage to the exciter plate transformer. Push-to-talk switch on the microphone stand will also energize the complete transmitter by relay control.

XTAL-VFO. In VFO position, connects VFO to input of crystal stage.

COMPRESSION. Switches speech compression circuit in or out as desired.

BANDSWITCH. Selects proper band of operation for VFO with the transmitter. Must be set to same band of operation as the EXCITER BANDSWITCH and FINAL BANDSWITCH. Located on power supply panel.

VFO TUNING. Tunes the VFO to the desired frequency of operation.

EXTERNAL CONNECTIONS.

WARNING

Before making any external connections to the transmitter, remove the AC line cord plug from the AC outlet. Also, place all power switches in the OFF, or down position and ground cabinet.

PATCH IN. This jack is wired to the top of the audio GAIN control so that an external audio signal, such as from a phone patch, may be fed into the speech stages independently of the microphone.

KEY. Closed circuit type wired in the grid circuit of the keyer stage for sequential keying.

XTAL. Insertion of proper 160-80-40 meter crystal, allows operation on all amateur bands, 160 meters through 10 meters.