

ECA 1171 or ECA 1214A

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Common-----Tap 1  
200-210 VAC-----Tap 2  
210-230 VAC-----Tap 3  
230-240 VAC-----Tap 4

The high voltage transformers are located on the bottom plate of the power supply section.

#### SECTION 4. OPERATING CONTROLS

##### SECTION 4.1 FRONT PANEL CONTROLS

OFF/ON POWER SWITCH - This switch is used to turn the AC power to the amplifier on and off. When the amplifier is turned off, or when the amplifier is in the standby mode, the output of the exciter passes directly to the antenna.

MULTIMETER AND RELAY CONTROL SWITCHES - These push-button switches are located below the multimeter. There are two interlocked pairs. The two on the left select the function of the multimeter. The switches select either a plate voltage reading (0 to 10,000 VDC) or a grid current reading (0 to 100 ma) on the multimeter.

The pair of switches to the right enables or disables the keying control circuit of the amplifier. The STANDBY position makes it possible to operate the exciter only without turning off the amplifier.

SSB/CW SWITCH - This two position rotary switch selects between two plate transformer taps to assure the correct operating parameters for each type of emission. The amplifier must be retuned when the switch is changed.

PLATE CURRENT METER - This meter monitors the plate current of the tube or tubes in your amplifier. The meter scale reads 0 to 1 amp DC.

PILOT LIGHTS - The dial lights come on to indicate when the amplifier is turned on.

FUSES - The two 3 AG, 8 amp fuses on the front of the amplifier protect all the AC circuits other than the high voltage supply - blower, relay supply, pilot lights, etc.

LOAD CONTROL - This control matches the amplifier's output network to the antenna or load. Refer to the calibration chart at the back of the manual for appropriate initial settings for the frequency of operation. A load setting of zero corresponds to minimum loading and a load setting of 100 corresponds to maximum load capacitor mesh.

TUNE CONTROL - The TUNE control is a 20 turn vernier dial connected to the variable inductor tank coil. Refer to the calibration chart at the back of the manual for appropriate initial settings for the frequency of operation.