CAUTION: NEVER REMOVE THE CABINET OR BOTTOM PLATE WHEN POWER LINE VOLTAGE IS CONNECTED. HIGHLY LETHAL VOLTAGE IS USED IN THIS AMPLIFIER. ALLOW AT LEAST ONE MINUTE FOR CAPACITORS TO DISCHARGE AFTER TURNING THE AMPLIFIER OFF AND PULLING THE PLUG.

INSTALLATION

(a) Remove the amplifier cabinet, and install the tubes. They should, of course, be handled very gently, and inserted into the sockets carefully. Attach the plate leads firmly but carefully to the heat dissipators. Eimac 3-400Z tubes are normally being supplied with the Mark II amplifier. The Amperex 8163 may also be used. However, because it is somewhat taller than the 3-400Z, a special plate cap is required. This will be furnished by Swan on request. The Amperex 8163 ratings are substantially the same as the Eimac 3-400Z, and they will provide essentially the same service.

(b) Plug the power supply cable into the back of the amplifier, and install the High Voltage connector. Be sure that this is done before the AC power supply is plugged in.

(c) Refer to the pictorial in Fig. 1 when making the installation. Connect a short length of coaxial cable (RG-58 or RG8) from the transceiver or exciter to the coaxial input jack on the Mark II. A PL 259 type connector is required at the amplifier end of the cable. This cable should be as short as practical and preferably not more than 5 feet long. NOTE: Swamping the exciter or driver power with an attenuator is not normally required with drivers up to 500 watt PEP input rating. After proper tuning procedures have been followed, the Mic. Gain control will be used to set the level of drive. If the driver is called on for less than its maximum power, distortion products will be less, and overall performance improved.

(d) Connect a 2 conductor line from auxiliary switching contacts on the driver to the Relay Control jack on the Mark II. When using the Swan-240, 350, 400 or 500 as a driver, the 2 conductors connect to "C" and "T" terminals on back of the transceiver. The phono type plug for the Mark II end of this line is furnished with the amplifier.

(e) Connect the antenna coax, or dummy load to the output jack. If a low-pass filter is to be installed to reduce TVI, connect it between the output jack and the antenna.

(f) Connect a ground lead to the Mark II chassis. A water pipe connection or ground rod will be suitable.

(g) AC power line connections. The Mark II power supply is shipped from the factory with terminals jumpered for 230 volt operation. There are three wires in the AC power cord.

The black and white wires connect to 230 volts, and the green wire connects to the neutral or ground leg. A 3 terminal AC plug will be required. This plug is not furnished because of the many different types being used. Therefore, it will be necessary to secure a plug of the type which will fit your 230 volt outlet.

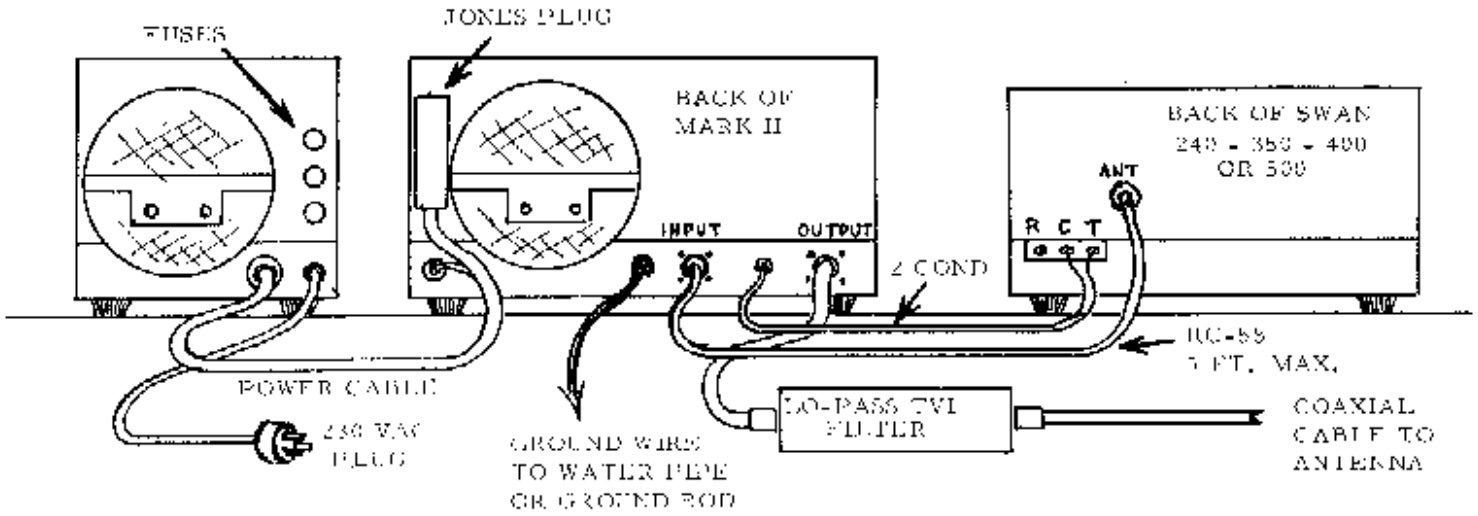

FIG. 1 INSTALLATION, REAR VIEW

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