DC POWER CONNECTIONS

CAUTION: This unit is designed for use only in vehicles employing a negative ground system. DO NOT USE IN POSITIVE GROUND VEHICLES.

The fused lead of the linear (positive) should be connected to a 12 volt positive battery source. Since the linear will draw up to 8 amps, it is recommended that the lead be connected directly to the positive battery terminal in the vehicle or the battery terminal on the voltage regulator.

The other lead (negative) should be connected to the metal firewall or any other point that is connected to the vehicle chassis.

IMPORTANT. The solid-state DC power supply circuit is designed to operate within an input voltage range of 11.5 to 14.5 volts DC. To avoid possible failure of the transistors, you should make sure that the vehicle supply voltage does not exceed 14.5 volts at any time. If necessary, adjust the voltage regulator to cut out at this voltage (14.5).

INPUT AND OUTPUT CONNECTIONS

The linear is equipped with two standard female coaxial connectors (SO-239). Connections to these should be made with 52 ohm coaxial cable terminated in standard male coaxial connectors (PL-259). The coaxial connectors are available from Lafayette Radio Electronics under the stock number 32-2006. Connect the coaxial lead from the transmitter/transceiver to the RF input jack. Connect the coaxial line from the antenna to the RF output jack.

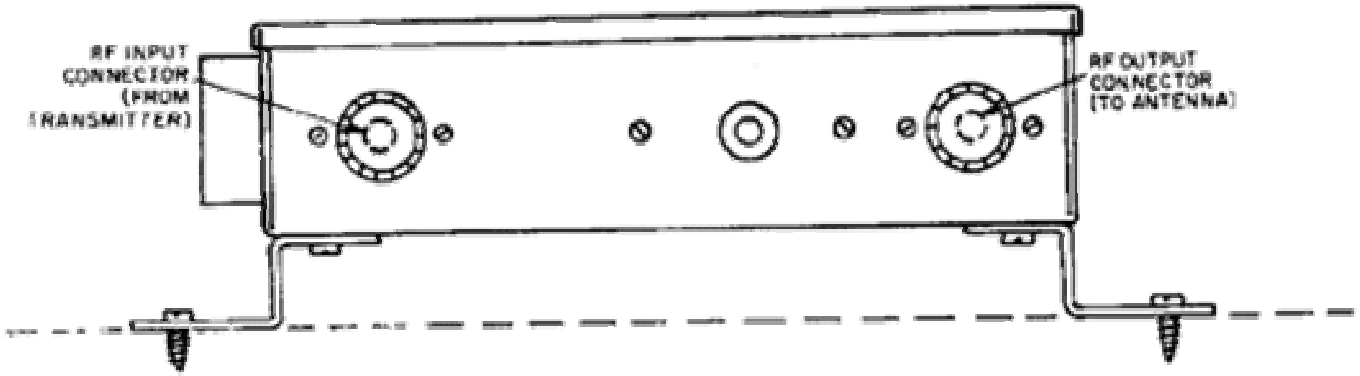

FIGURE 2