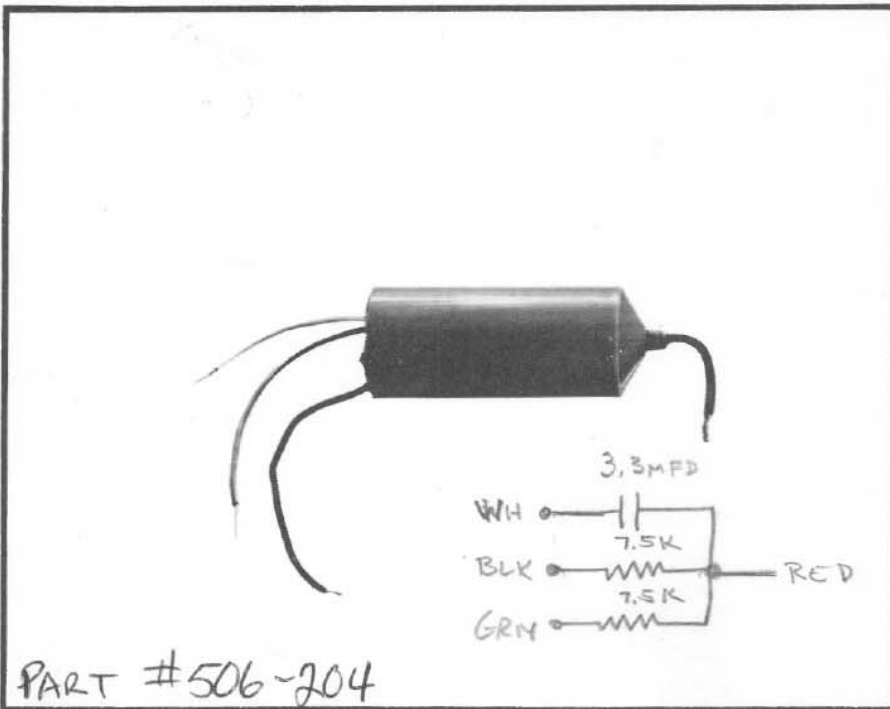


Model 506A Phantom Power Adapter



INSTALLATION OF PHANTOM POWER KIT IN 1776A and PL76A MICROPHONES

This kit is designed to replace the battery and permit operation of these microphones from remote, phantom-type power supplies delivering anywhere from 24 to 48 volts. Current drawn is approximately 4 mA per microphone. **Note that battery operation will no longer be possible after this kit has been installed..**

Tools needed are a small screwdriver, pliers, soldering iron, and rosin core solder. **Never use acid core or flux in soldering electrical equipment.**

Please follow instructions in the order given referring to the illustration as needed.

1. Remove sleeve from microphone exposing the battery compartment and remove battery if one is present.
2. Loosen screw (a) by turning to left as far as it will go. Note that this screw has a left hand thread and will retreat deeper into the case as it is loosened.
3. Carefully draw the connector insert (b) out the end of the microphone case exposing the green and black connecting wires.

4. Thread the green and black wires from the phantom kit through the slot in the bottom of the battery compartment and out the end of the microphone case to the connector.

5. Solder the black and green wires from the phantom kit to the terminals with the similar colored wires in place. There will now be two black wires on one and two green wires on the other terminal. Note that the third terminal is connected to the ground lug (the one with the screw in it) and has no other wire connected to it.

Check that all solder joints are secure and that there are no shorts between terminals or to the case.

6. Align the nib on the connector insert with the slot in the case and press the insert back into the case until the screw head is aligned with the hole in the case. Tighten the screw by turning it to the right until the screw head backs up into the hole and locks the insert in place. It is important that this screw be tight as it also forms the ground connection to the case.

7. Solder the white wire from the phantom kit to the negative (-) battery contact in the microphone and the red wire to the plus (+) battery contact. Dress the wires down out of the way and press the phantom kit down into the position formerly occupied by the battery and replace the battery sleeve.

