

POWER SUPPLY

The Transceiver is designed and wired to operate with the Heath Model HP-13 (12 V DC) Power Supply, and the Model HP-23 (120 V AC) Power Supply.

Other power supplies may be used, however, their use may require one or more of the **OPTIONAL** changes to the Transceiver circuit board to provide proper screen voltage to the output tubes. The older Heath Model HP-20 (120 VAC Power Supply with proper termination of the power cable, and the Model HP-10 (12 V DC) Power Supply with slight modification can also be used with the Transceiver. These two Power Supplies will be discussed later.

NOTE: Connectors are supplied for connecting the power supply cables to the Transceiver.

HEATH HP-13 POWER SUPPLY

Referring to Figure 1A, wire the octal socket (with cap) of the Transceiver to the Power Supply cable as follows:

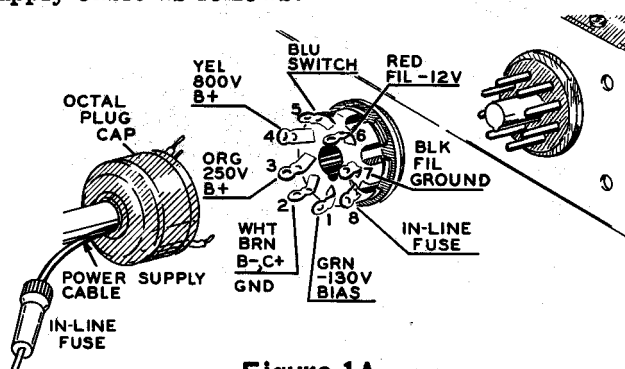


Figure 1A

SOCKET PIN#	CABLE WIRE COLOR
1	Green - Bias (-130 V)
2	White and Brown - Ground (B-, C+)
3	Orange - B+ (250 V low tap)
4	Yellow - B+ (800 V)
5	Blue - Switch
6	Red - Filament (12 V DC)
7	Black - Filament (ground)
8	In-line fuse lead

The other end of the cable should be connected to the 15-pin plug as directed in the Power Supply manual.

HEATH HP-23 POWER SUPPLY

Referring to Figure 1B, wire the octal socket (with cap) of the Transceiver to the Power Supply cable as follows:

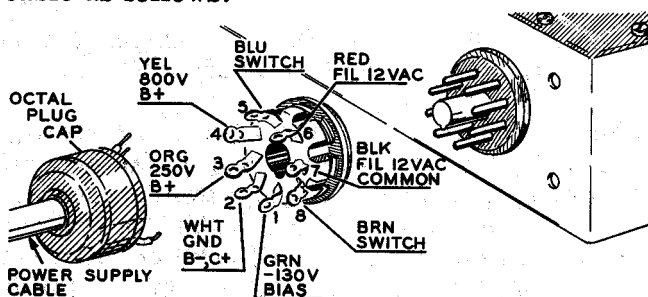


Figure 1B

SOCKET PIN#	CABLE WIRE COLOR
1	Green - Bias (-130 V)
2	White - Ground (B-, C+)
3	Orange - B+ (250 V low tap)
4	Yellow - B+ (800 V)
5	Blue - Switch
6	Red - Filament (12 V AC)
7	Black - Filament common (12 V AC)
8	Brown - Switch

The other end of the cable should be connected to the 11-pin plug as directed in the Power Supply manual.

HEATH HP-20 POWER SUPPLY

The HP-20 Power Supply can be used as is, without modification. The octal socket with cap should be wired on the Transceiver end of the power cable according to Figure 1B. An octal plug with cap should be wired to the Power Supply end of the cable, using the same wire colors and pin numbers called out in Figure 1B. Be sure to use the correct pin numbers, as molded into the plug, and to install the **OPTIONAL** resistors in the Transceiver.

NOTE: The **OPTIONAL** resistors mentioned below are not supplied in the kit. These resistors can be obtained from a local parts supplier.

1. Remove the long jumper in section 4A of the Transceiver circuit board.