

The power transformer, T-2, mounts from the top of the chassis.

✓ Push the seven T-2 leads through the large hole as shown.

✓ Fasten T-2 to the chassis with four 6-32 x 5/16" screws, lockwashers, and nuts.

NOTE: Prop the chassis on a box to protect the QX coil.

✓ From the top of the chassis, mount the IF printed circuit board, foil side down against the chassis. Use ten 4-36 x 3/8" screws, nine lockwashers, one solder lug, and ten nuts as shown.

L-16 is a 5.5 henry filter choke. This choke has two black leads.

✓ Cut both leads of L-16 to 2 1/2". Remove 1/4" insulation from each. Twist the bare wire strands of each lead tightly together, and coat with solder.

✓ From inside the chassis, mount L-16 with two 6-32 x 5/16" screws, lockwashers, and nuts.

FIRST PARTS WIRING ON THE CHASSIS

SEE FIGURE 6 on a large separate sheet.

Stand the chassis on edge with the large square opening to your left.

✓ Solder terminal 2 on TS-1 to the solder lug mounted with TS-1.

✓ Connect, but do not solder one lead of R-1, a 68Ω resistor (blue, gray, black), to terminal 1 of TS-2. Connect, but do not solder, the other lead to terminal 4 of TS-3.

See detail wiring of TS-2 and TS-3 on Figure 6.

✓ Connect, but do not solder, one lead of C-55, a .0047 μfd (4700 or 4.7K), disc capacitor, to terminal 3 of TS-3. Pass the other lead through terminal 2 of TS-3, looping it once. Then solder the lead to terminal 2 of TS-2.

✓ Connect, but do not solder, the shortest T-2 black lead to terminal 3 of TS-3. Connect, but do not solder, the other T-2 black lead to terminal 2 of F-1.

✓ Connect, but do not solder, either of the T-2 green leads to the solder lug mounted with the IF printed circuit board, as shown. Solder the other T-2 green lead to hole 4 on the IF printed circuit board.

✓ Solder the T-2 red-yellow lead to hole 3.

✓ Solder either of the T-2 red leads to hole 2.

✓ Solder the other T-2 red lead to hole 1.

✓ Solder one end of a 1 1/2" bare wire to terminal 1 of TS-4. Solder the other end to terminal 2 of TS-5.

✓ Solder one of the L-16 leads to hole 9 on the IF printed circuit board. Solder the other L-16 lead to hole 18.

✓ Solder one end of a green wire to terminal 3 of S-3. Solder the other end to hole 27 on the IF printed circuit board.

✓ Solder one end of a blue wire to terminal 4 of S-3. Solder the other end to hole 29 on the IF printed circuit board.

✓ Cut an 8 3/4", an 8", and an 11 1/2" length of uninsulated shielded wire. Prepare as shown in Figure 7.

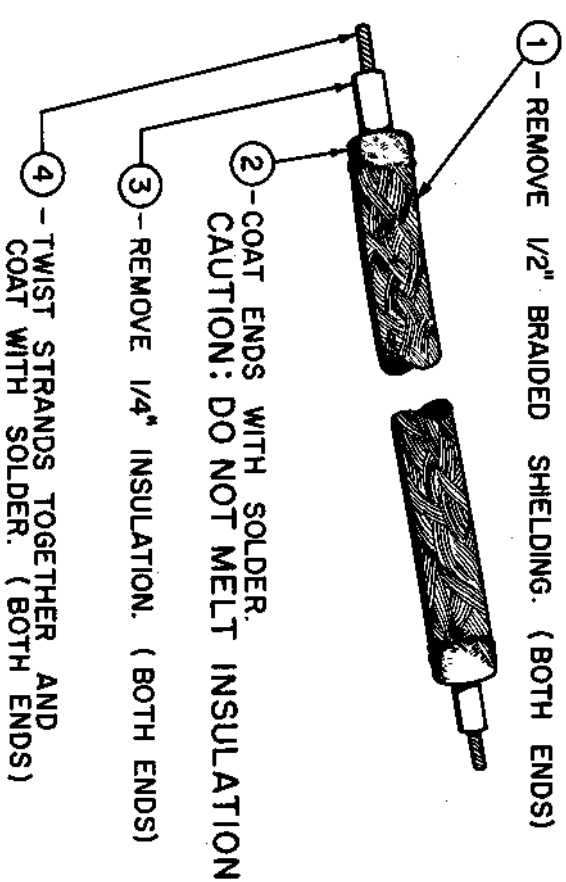


FIGURE 7. PREPARING UNINSULATED SHIELDED WIRES