SECOND WIRING ON THE CHASSIS

SEE FIGURE 11 on a large separate sheet.

☑ Permanently mount R-2 and S-4 inside the chassis. Use hardware as shown in Figure 4. Carefully route the 9-conductor cable as shown in Figure 11. To protect S-4, do not allow the cable to pull on the switch.

☐ Prop the chassis up as shown.

☐ Solder the yellow wire to terminal 1 of TS-2. Refer to the detail of TS-2 and TS-3 on Figure 11.

☐ Solder the violet wire to terminal 4 of TS-3.

☑ Solder the black wire to terminal 3 of TS-3.

☐ Connect, but do not solder, the green wire to terminal 2 of TS-3.

☑ Connect, but do not solder, the red wire to terminal 1 of TS-3.

☑ Solder the orange wire in hole A-1.

☑ Solder the blue wire in hole 12.

☑ Solder the brown wire in hole 20 on the IF printed circuit board.

☑ Solder the white wire to terminal 1 of TS-5.

☑ Solder one end of an orange wire to the center terminal of J-1. The other end of this wire will be connected later.

☑ Solder one lead of C-56, a .0047 μfd (4700 or 4.7K) disc capacitor, to terminal 2 of F-1. Solder the other lead to terminal 2 of TS-3.

☑ From outside the chassis, push the bare end of the line cord through the grommet near F-1. Tie a knot in it 1½" from the bare end.

☑ Solder either of the line cord wires to terminal 1 of F-1. Solder the remaining wire to terminal 1 of TS-3.

☑ Mount J-2, the phone jack, with the hardware (flat washer outside of chassis) supplied. Position the terminals as shown.

☐ Connect, but do not solder, the free end of the bare wire previously soldered to terminal 1 of R-44 to terminal 1 of J-2.

☐ Solder one lead of R-51, a 33Ω resistor (orange, orange, black), to terminal 1 of J-2. Connect, but do not solder, the other lead to terminal 3 of J-2.

☐ Solder one end of a white-blue wire to terminal 2 of J-2. Solder the other end to terminal 2 of TS-4.

☑ Close the plates of C-40, the 50 μμfd BFO capacitor, to protect them. C-40 is stamped 281011 and must not be confused with the 80 μμfd capacitor which has more plates.

☐ From inside the chassis, mount C-40 and the "L" shaped BFO shield plate. Insert the bushing through a lockwasher, the shield, the chassis, and a flat washer. Tighten the nut supplied over the bushing.

☐ Cut and prepare a 5" shielded wire as shown in Figure 7.

☐ Solder one end of a 1¼" bare wire to the braided shield at one end of the 5" shielded wire. Solder the inner conductor in hole 28 on the IF printed circuit board. Solder the other end of the 1¼" bare wire in hole 35.

☑ Solder the inner conductor at the other end of the 5" shielded wire to terminal 3 of C-40.

☑ Prepare a 6" uninsulated shielded wire as shown in Figure 7.

☑ At one end of this shielded wire, wrap a 1" bare wire once around the shielding. Solder it.

☑ Before mounting R-32, a 10 megΩ resistor (brown, black, blue), clip both leads to ¼". Solder one lead of R-32, in hole 19 on the foil side of the IF printed circuit board. Solder the other lead to hole 36. Be sure the leads do not touch another part on the other side of the board.

☐ At the end with the bare wire, solder the inner conductor to terminal 2 of C-40. Solder the free end of the bare wire to terminal 1 of C-40. Solder the inner conductor at the other end to hole 32.

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