

## FIRST WIRING ON THE BOTTOM OF THE CHASSIS

### SEE FIGURE 11.

NOTE: Position the chassis so it is not resting on L-18, to prevent its being damaged.

- ☒ Bottom shield and an angle clip. Fasten the angle clip to the bottom shield, as shown, with a 6-32 x 3/16" screw and lockwasher.
- ☒ S-3, the pre-wired switch and the bottom shield. Insert the shaft of S-3 through the bottom shield, the chassis and fasten on the outside of the chassis with a 3/8" nut. Be sure the locating tab enters the locating hole.
- ☒ Ceramic spacer, ~~two~~ <sup>A-11-C</sup> #8 solder lugs, two 6-32 x 1/4" screws and lockwashers. Place a lockwasher over one screw and insert the screw through the angle clip mounted to the bottom shield, and through the chassis. Mount the ceramic spacer on the screw as it protrudes through the top of the chassis. Fasten the solder lugs to the top of the spacer and position as shown in Figure 2.
- ☒ S-1, the other pre-wired switch. Fasten to the chassis, locating tab in the locating hole, with a 3/8" nut.

NOTE: Position all wires as close to the chassis as possible.

- ☒ Orange wire. Connect one end to ground lug A of V-5. Insert the other end through the cutout, it will be connected later.
- ☒ Small red-white stranded wire. Solder one end to ground lug A of V-5 (2 wires). Insert the other end through the cutout shown, it will be connected later.
- ☒ Green wire. Solder one end to terminal 11 of S-4. Insert the other end through the cutout shown, it will be connected later.
- ☒ Yellow wire. Solder one end to terminal 10 of S-4. Insert the other end through the cutout shown, it will be connected later.
- ☒ Gray wire. Solder one end to terminal 9 of S-4. Connect the other end to the solder lug between V-3 and V-7.
- ☒ Orange wire. Solder one end to terminal 7 of S-4. Connect the other end to terminal 1 of TS-10.
- ☒ Orange wire. Solder one end to pin 4 of V-5. Connect the other end to pin 9 of V-4.
- ☒ R-28, 1 meg resistor (brown, black, green). Insert one lead through pin 2 of V-5 and solder the end to pin 6 of V-5. Solder pin 2 of V-5. Connect the other lead to terminal 1 of TS-1.
- ☒ Two 3/4" pieces of small bare wire. Connect as follows:
  - ☒ Bare wire. Solder one end to pin 5 of V-5. Solder the other end to ground lug C of V-5.
  - ☒ Bare wire. Solder one end to pin 8 of V-5. Solder the other end to ground lug D of V-5.

NOTE: There are two .005  $\mu$ f disc capacitors rated at 1000 volts used in this kit. They are stamped IKV and should only be used where specified. The remainder of the .005  $\mu$ f disc capacitors are rated at 600 volts and are unstamped.

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- ☒ C-49, .005  $\mu$ f disc capacitor. Connect one lead to terminal 1 of TS-1.

Connect the other lead to terminal 2 of TS-1.

- ☒ C-41, 1  $\mu$ f tubular capacitor. Solder the end marked with a band to ground lug D of V-3. Connect the other lead to terminal 4 of TS-1.

- ☒ Yellow-white wire from terminal 3 of S-1A. Connect the free end to terminal 5 of TS-1.

- ☒ Orange wire. Connect one end to pin 9 of V-4. Connect the other end to pin 4 of V-3.

- ☒ Yellow wire. Connect one end to pin 4 of V-3. Connect the other end to pin 7 of V-7.

- ☒ 3/4" piece of the small bare wire. Solder one end to pin 5 of V-3. Connect the other end to ground lug C of V-3.

- ☒ C-33, .005  $\mu$ f, 1000 volts (stamped IKV) disc capacitor. Connect one lead to ground lug C of V-3. Connect the other lead to the solder lug.

- ☒ C-52, .005  $\mu$ f disc capacitor. Solder one lead to ground lug C of V-3 (3 wires). Solder the other lead to pin 4 of V-3 (3 wires).

- ☒ C-20, .005  $\mu$ f disc capacitor. Connect one lead to pin 3 of V-3. Connect the other lead to ground lug A of V-3.

- ☒ C-18, .005  $\mu$ f disc capacitor. Connect one lead to pin 9 of V-3. Connect the other lead to ground lug A of V-3.

- ☒ R-9, 390  $\Omega$ , 1 watt resistor (orange, white, brown). Solder one lead to pin 3 of V-3 (2 wires). Connect the other lead to terminal 4 of TS-10.

- ☒ Green wire. Connect one end to terminal 4 of TS-10. Connect the other end to terminal 5 of TS-9.

- ☒ R-15, 10  $\Omega$ , 5% 1 watt resistor (brown, black, black, gold). Connect one lead to terminal 2 of TS-8. Solder the other lead to the solder lug (3 wires).

- ☒ White wire. Connect one end to terminal 2 of TS-8. Insert the other end through the cutout shown.

- ☒ Orange wire. Solder one end to pin 6 of V-2. Connect the other end to terminal 2 of C-16.

- ☒ 1" piece of the small bare wire. Solder one end to pin 7 of V-2. Connect the other end to ground lug C of V-2.

- ☒ C-51, .005  $\mu$ f disc capacitor. Connect one lead to pin 5 of V-2. Solder the other lead to ground lug C of V-2 (2 wires).

NOTE: The coils in this kit are coded with a color dot, or, if encased in plastic, by the color of the case. Coils L-21, L-22, and L-23 are identical and have no color dot, or if encased, are in clear plastic.

- ☒ L-23, 2.2  $\mu$ h coil. Connect one lead to terminal 1 of TS-7. Connect the lead to pin 6 of V-1.

- ☒ C-14, .005  $\mu$ f disc capacitor. Insert one lead through ground lug B of V-2 and solder to pin 4 of V-2. Solder ground lug B. Connect the other lead to pin 1 of V-2.

- ☒ R-6, 390  $\Omega$  resistor (orange, white, brown). Solder one lead to pin 1 of V-2 (2 wires). Connect the other lead to terminal 5 of TS-9.