

SEE FIGURE 11.

- ☒ C-54, .005  $\mu$ f disc capacitor. Connect one lead to ground lug D of V-2. Connect the other lead to terminal 4 of TS-9.
- ☒ C-15, 470  $\mu$ f disc capacitor. Solder one lead to ground lug D of V-2 (2 wires). Connect the other lead to terminal 1 of TS-9.
- ☒ Orange wire from S-3. Solder the free end to pin 2 of V-2.
- ☒ C-12, the 470  $\mu$ f disc capacitor from S-3. Cut a 1 3/8" piece of small tubing from the quantity supplied and slip it over the free lead of C-12. Connect this lead to pin 7 of V-1.
- ☒ Yellow wire from S-3. Connect the free end to terminal 3 of TS-15.
- ☒ Yellow-white wire from S-3. Solder the free end to pin 5 of V-6.
- ☒ 1 1/2" piece of the small bare wire. Connect one end to ground lug B of V-1. Slip the other end through pin 3 of V-1 and connect it to the center pin of V-1.
- ☒ 1/2" piece of small bare wire. Connect one end to ground lug A of V-1. Solder the other end to the center pin of V-1 (2 wires).
- ☒ 3/4" piece of small bare wire. Solder one end to pin 3 of V-1 (3 wires). Slip the other end through pins 4 and 5 of V-1 and connect the other end to ground lug C of V-1.
- ☒ 1 1/2" piece of small bare wire. Connect one end to terminal 2 of TS-7. Solder the other end to pin 4 of V-1 (3 wires).
- ☒ C-8, .005  $\mu$ f disc capacitor. Connect one lead to terminal 1 of TS-7. Solder the other lead to pin 5 of V-1 (3 wires).
- ☒ R-1, 15K resistor (brown, green, orange). Solder one lead to terminal 2 of TS-7 (2 wires). Connect the other lead to pin 2 of V-1.
- ☒ Green wire from S-1A. Connect the free end to terminal 4 of TS-8.
- ☒ Blue wire from S-1A. Connect the free end to terminal 1 of C-48.
- ☒ Brown wire from S-1B. Solder the free end to terminal 5 of J-1.
- ☒ Red-white wire from S-1B. Solder the free end to terminal 3 of J-2.
- ☒ J-4, key jack. Mount with the terminals positioned as shown with a 3/8" lockwasher and nut. The lockwasher goes inside the chassis.
- ☒ Yellow wire from S-1B. Connect the free end to terminal 3 of J-4.
- ☒ 12" red-white wire. Solder one end to terminal 2 of S-1C. Connect the other end to terminal 1 of TS-5.
- ☒ 12" red-white wire. Connect one end to terminal 1 of S-1C. Solder the other end to terminal 3 of TS-5 (2 wires).
- ☒ Violet wire. Connect one end to terminal 1 of J-4. *Solder* Connect the other end to terminal 5 of TS-9. *3 wires*
- ☒ Blue wire. Solder one end to terminal 1 of C-48 (3 wires). Connect the other end to terminal 2 of R-34.

- ☒ Red wire. Solder one end to terminal 2 of R-37. Connect the other end to pin 1 of V-6.
  - ☒ C-58, .005  $\mu$ f disc capacitor. Connect one lead to pin 1 of V-6. Connect the other lead to pin 7 of V-6.
  - ☒ Brown wire. Solder one end to pin 1 of V-6 (3 wires). Connect the other end to terminal 1 of TS-8.
  - ☒ Yellow wire. Solder one end to mounting tab A of C-48. Solder the other end to pin 7 of V-6 (2 wires).
  - ☒ Green wire. Connect one end to terminal 2 of R-34. Solder the other end to terminal 1 of J-1.
  - ☒ 1 1/4" small bare wire. Solder one end to terminal 2 of R-34 (3 wires). Connect the other end to terminal 2 of TS-16.
  - ☒ R-38, 68K, 2 watt resistor (blue, gray, orange). Connect one lead to terminal 2 of TS-16. Connect the other lead to terminal 2 of TS-6.
  - ☒ R-36, 39K, 2 watt resistor (orange, white, orange). Connect one lead to terminal 2 of TS-16. Connect the other lead to terminal 1 of TS-6.
  - ☒ Orange wire. Solder one end to terminal 1 of R-34. Solder the other end to terminal 7 of J-2.
  - ☒ R-35, 12K, 2 watt resistor (brown, red, orange). Connect one lead to terminal 1 of TS-6. Connect the other lead to terminal 2 of R-33.
  - ☒ 12" red-white wire. Solder one end to terminal 1 of R-37. Connect the other end to terminal 4 of TS-9.
  - ☒ Red wire. Solder one end to terminal 2 of R-33 (3 wires). Solder the other end to terminal 8 of J-1.
  - ☒ Red wire. Solder one end to terminal 6 of J-1. Connect the other end to the solder lug.
  - ☒ Red wire. Solder one end to the solder lug near J-1 (2 wires). Solder the other end to terminal 9 of J-2.
  - ☒ Yellow wire. Solder one end to terminal 10 of J-2. Solder the other end to terminal 1 of R-33.
  - ☒ 12" red-white wire. Solder one end to terminal 11 of J-2 (2 wires). Connect the other end to terminal 1 of TS-2.
- NOTE: There are two types of large tubing. One is made of woven fiberglass and coated with varnish. The other type is a single 3" piece of smooth tubing that resembles rubber tubing. Use only the type specified.
- ☒ 4 1/4" piece of the large bare wire. Place a 4" piece of the large fiberglass tubing over the wire. Connect one end to the terminal of J-7. Insert the other end through the grommet shown. It will be connected later.
  - ☒ Yellow wire. Place a 3 1/2" piece of the large fiberglass tubing over the wire. Connect one end to the terminal of J-7. Leave the other end free. It will be connected later.