DENTON RADIO CO.
2100 Enterprise Pkwy., Twinsburg, Ohio 44087 (216) 425-3173

"CLIPPERTON L" MODIFICATION FOR 10 METERS

*** WARNING ***

AFTER COMPLETELY REMOVING ALL POWER FROM THE "CLIPPERTON L", WAIT 30 MINUTES FOR THE ELECTROLYTICS TO DISCHARGE THRU THE BLEEDER RESISTORS.

****

Using the allen hex wrench supplied, remove the top of the cabinet by removing the top row of three screws on each side of the cabinet.

FOR STEPS 1 THRU 22 - SEE FIGURE 1

1. Prepare a 10" length of coax, (RG 174u or RG 58u), by stripping both ends back approximately 1/2". Unbraid the shield and twist it into a wire. Strip the center conductor about 1/8".

2. Remove the center conductor of the RG 174u presently connected to the middle contact of the antenna changeover relay. Replace this with the center conductor of the new coax. Remove the shield of the old RG 174u from ground and connect the new coax shield at that point.

3. Remove the center conductor of the present RG 174u from the lower terminal of the five lug terminal strip, (located at the tube sockets)-SEE FIGURE 2. Replace this with the remaining center conductor of the new coax. Remove old RG 174u shield from the ground terminal and attach the new coax shield here.

4. Remove the two upper 572B tubes.

5. Remove the screw located on the tube compartment side holding the FL-1 PC board and doorknob capacitor to the center divider. Cut ground wire leading from the PC board and remove FL-1 from unit.

*NOTE: BE CERTAIN TO SET HARDWARE ASIDE, AND HAVE AVAILABLE FOR RE-INSTALLATION OF PARTS.

6. Using a small 3/8" open end wrench, remove the nut holding the secondary tank (#8 gauge wire) coil onto the rear of variable tuning capacitor. If you have a large soldering iron or gun, you may unsolder the coil from the lug instead of removing.

7. Remove the three lugs mounted to the 1000p, 100p and 500p doorknob capacitors on the center divider. Be careful not to bend the wires.

"CLIPPERTON L" 10 METER MODIFICATION CONTINUED.....

8. Unsolder and remove the wire from the ground lug on the center divider. Leave it connected to the bandswitch.

9. Unsolder and remove the wire that connects to the (2) 200p doorknob capacitor Leave connected to the bandswitch.

10. Unsolder and remove the wire from the front lug on the loading capacitor. Leave this attached to the bandswitch and tank coil.

11. Remove the screws holding the main tank coil onto the side of the chassis.

12. Remove band selector knob with same allen wrench used for the cabinet.

13. Remove the nut holding the band selector switch on. Be cautious not to scratch the front panel.

14. Carefully pull the bandswitch and tank coil assembly towards the rear panel and upwards. Be careful not to bend any wires.

15. Backout the nut on the front of the bandswitch just enough to move the stop. Adjust the stop one position clockwise as shown in FIGURE #3. Tighten nut snugly.

16. Replace lock washer on switch and re-install the bandswitch and tank coil assembly.

17. Re-install nut on bandswitch.

18. Re-install the screws, standoffs and washer's holding main tank coil in - DO NOT OVERTIGHTEN-just snug.

19. Re-solder the wire on the loading coil, the (2) 200p doorknob capacitors, and the ground lug.

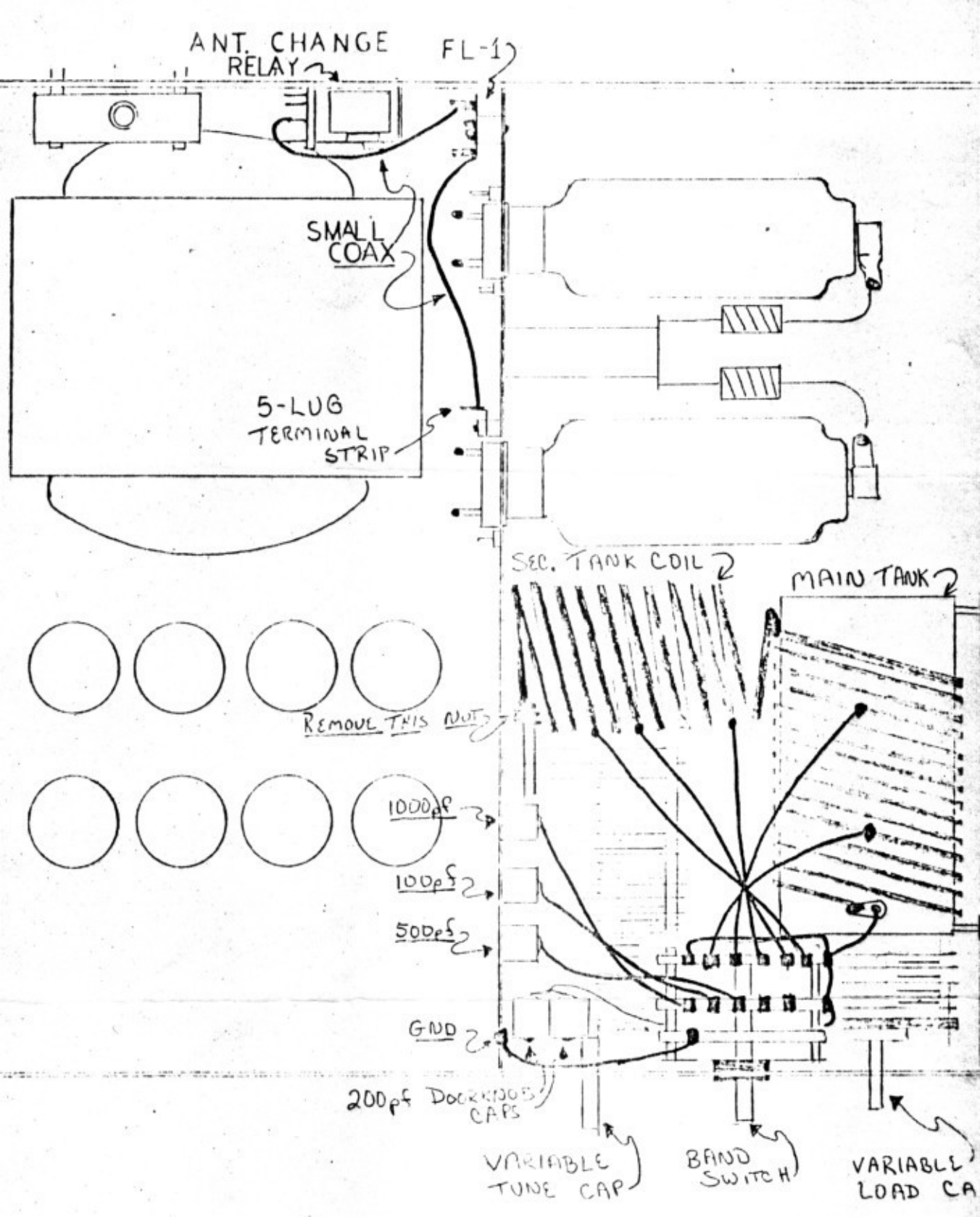
20. Attach the three lugs to the 1000p, 100p and 500p doorknob capacitors on the center dividers, using the three (3) #6/32 x 3/16" screws removed earlier.

21. Replace the nut holding the secondary tank coil on the rear of the variable tuning capacitor. (Re-solder if un-soldered earlier). Be certain this is tight.

22. Replace the 572B tubes.

23. Replace the band selector knob, being certain that in the extreme counter-clockwise position the knob lines up with 1.8.

THIS COMPLETES YOUR 10 METER
MODIFICATION


ANT. CHANGE RELAY
FL-1
SMALL COAX
5-LUG TERMINAL STRIP
SEC. TANK COIL
MAIN TANK
REMOVE THIS NUT
1000pf
100pf
500pf
GND
200pf DOORKNOBS CAPS
VARIABLE TUNE CAP
BAND SWITCH
VARIABLE LOAD CA

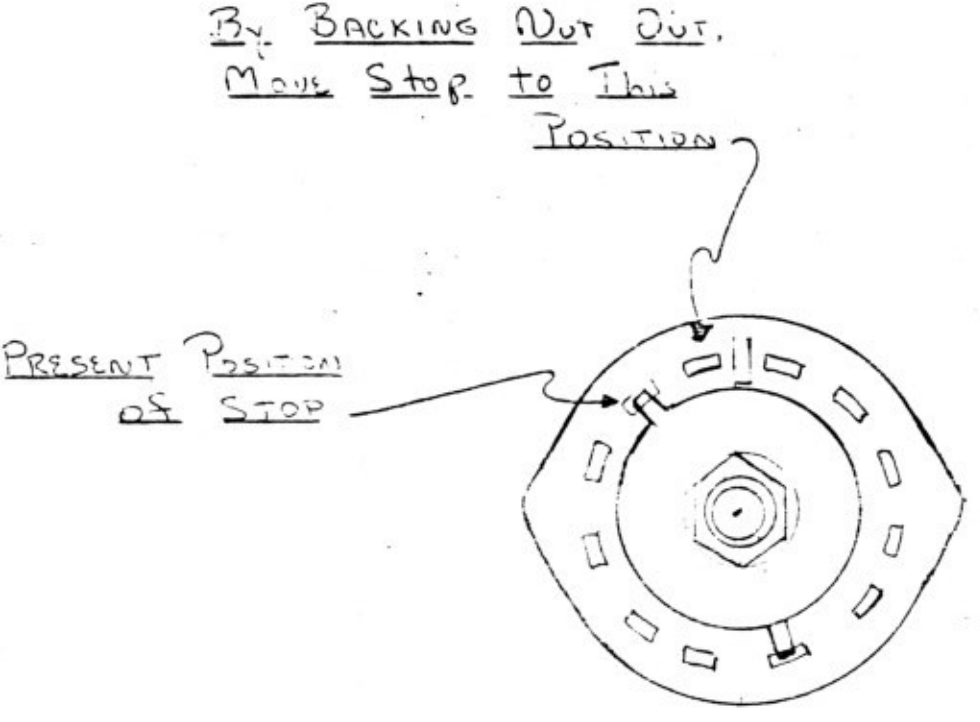

By Backing Nut Out,
Move Stop to This
Position
Present Position
of Stop

FIGURE-3

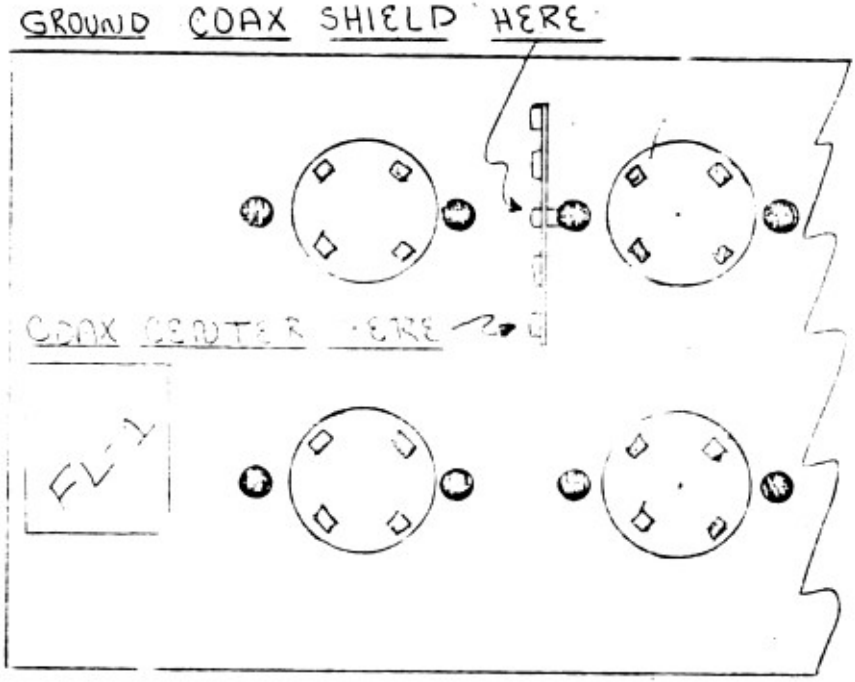
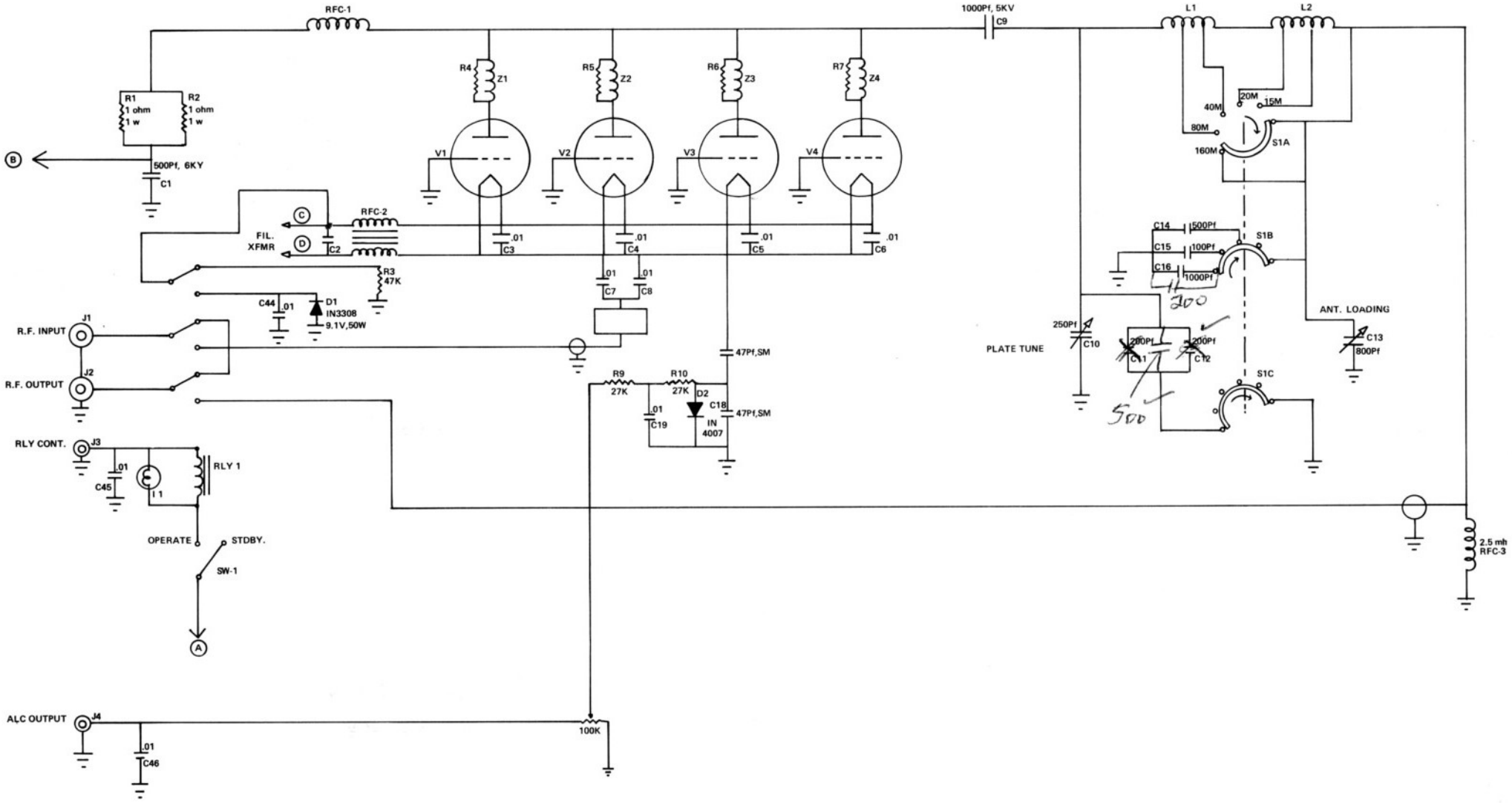
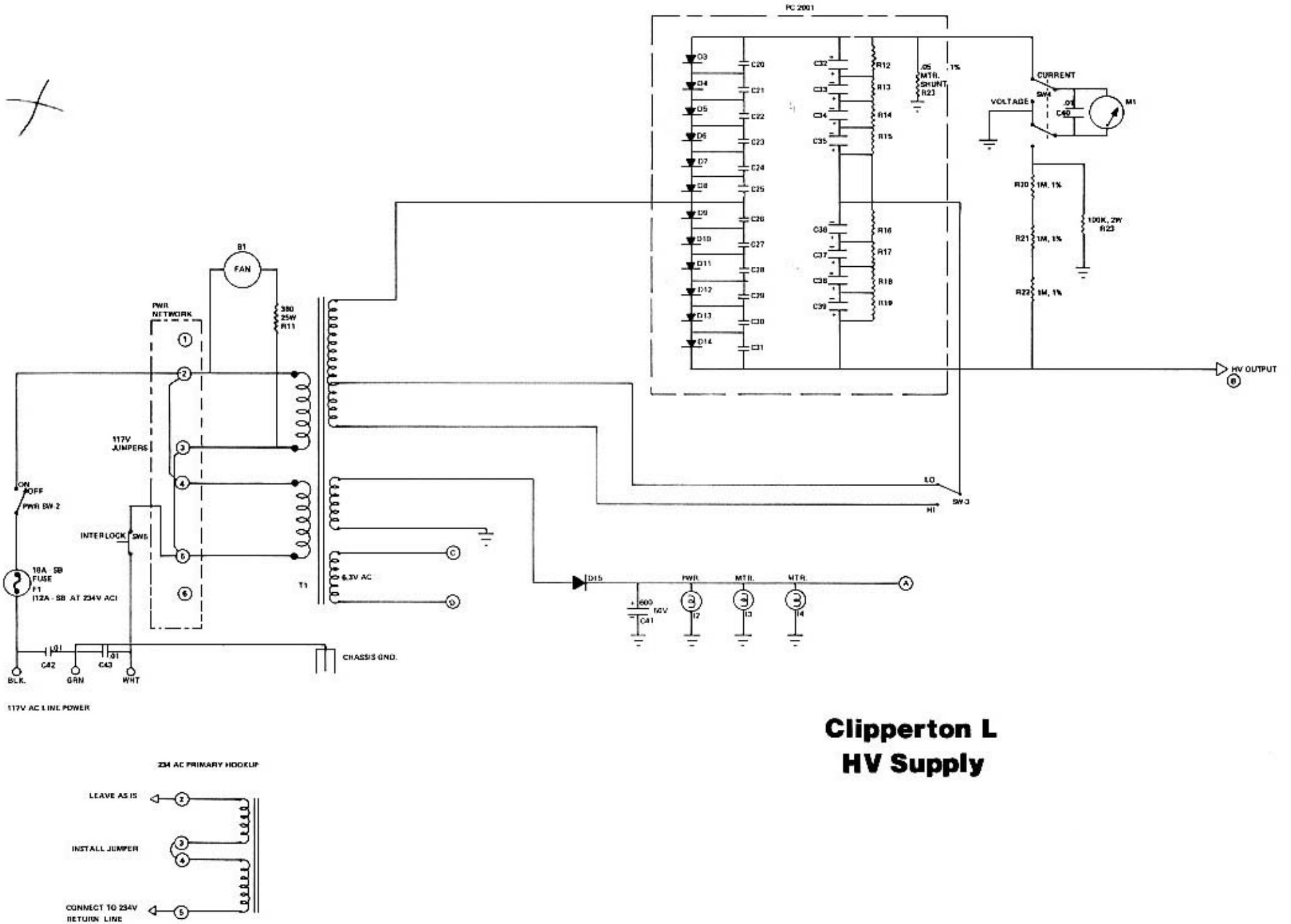


FIGURE-2 (Transformer side of center panel)

Clipperton L Schematic





Clipperton L
HV Supply