

(✓) Step 23. Set Sol-REG to one side.

2.7.3 Power Supply Subchassis Assembly and Test

(✓) Step 24. Mount transformer (T1 for Sol-10, T2 for Sol-20) on power supply subchassis (L-shaped chassis).

Position transformer as shown on Drawing No. 105001 and attach it to the subchassis with three 8-32 x $\frac{1}{2}$ binder or pan head screws, #8 lockwashers and 8-32 hex nuts. Insert screws from bottom and outer side of chassis as shown. Place lockwasher on each screw and secure loosely with hex nuts. Slide transformer as close as possible to the edge of the chassis and tighten nuts.

NOTE

Only one of the holes in the side wall is used. Use the one that lines up with the transformer mounting tab.

(✓) Step 25. Prepare transformer leads.

(✓) Twist the two black wires together except for the last two inches at the commoning block lug end.

(✓) Twist the two green wires together for their full length.

(✓) Twist the two yellow wires together for their full length.

*() Twist the two blue wires together for their full length.

() Step 26. Connect Sol-PC power cable (4-wire cable which connects to J10 on Sol-PC) to Sol-REG. Tin ends of cable and solder green lead to pad X9, white lead to pad X1, red lead to pad X7 and white-yellow lead to pad X8.

*(✓) Step 27. Connect Sol-20 DC power cable (5 wire) to Sol-REG. Tin ends of cable and solder white lead to pad X4 (above R8), red-white lead to pad X5 (between C5 and FWB2) and yellow-white lead to pad X6 (left of C5).

(✓) Step 28. Connect transformer leads to Sol-REG.

(✓) Solder green leads to pads T1 and T2, white-yellow lead to pad T3 and yellow leads to pads T4 and T5 on Sol-REG circuit board.

() Step 29. Prethread the three Sol-REG heat sink mounting holes in the power supply subchassis shown in Drawing No. 105001 with #6 x 5/16 sheet metal screws. Remove screws.