

2.5 REQUIRED TOOLS, EQUIPMENT AND MATERIALS

The following tools, equipment and materials are recommended for assembling the Sol regulator board:

1. Needle nose pliers
2. Diagonal cutters
3. Sharp knife
4. Screwdriver, thin $\frac{1}{4}$ " blade
5. Screwdriver, #2 Phillips
6. Controlled heat soldering iron, 25 watt
7. 60-40 rosin-core solder (supplied)
8. Volt-ohm meter

2.6 ORIENTATION

2.6.1 Sol-REG PC Board

Location C5 (2500 ufd capacitor) will be located in the lower right-hand corner of the circuit board when locations SCR1, Q1 and FWB1 are positioned along the top of the board. In this position the component (front) side of the board is facing up and the horizontal legends will read from left to right; the other legends will read from bottom to top. Subsequent position references related to the Sol-REG board assume this orientation.

2.6.2 Fan Closure Plate

The large circular cutout will be located in the upper right quadrant of the plate when the heavy gauge doubler plate is facing up. In this position the rectangular cutouts are on the left, the front side of the plate is facing down, the back side is facing up, and the small circular cutout is at the bottom.

2.7 ASSEMBLY-TEST

NOTE

Instructions that apply only to the Sol-20 are preceded by an asterisk. Skip these instructions if you are assembling a Sol-10.