

PROCESSOR TECHNOLOGY CORPORATION

Sol POWER SUPPLY

SECTION II

Position ring over the two mounting holes located between FWB3 and the Sol-REG so that the clamping screw is positioned between the transformer and FWB3. Insert two 6-32 x $\frac{1}{2}$ binder or pan head screws from bottom side of chassis through the mounting holes. Place #6 lockwasher on each screw and secure with 6-32 hex nut. (Refer to Figure 2-4.)

- (✓) Step 37. Mount C8 in its mounting ring, tighten clamping screw and route Sol-PC power cable between C8 and the transformer. (See Figure 2-4.)
- (✓) Step 38. Connect white wire of C8 cable to negative (-) terminal of C8 and green wire to positive (+) terminal of C8. (This cable was soldered to the Sol-REG when you assembled it.) Remove terminal screws, place #10 lockwasher on each screw, place cable lugs on screws and drive screws tightly into appropriate terminals.
- *(✓) Step 39. Mount C9 in its mounting ring and tighten clamping screw. (See Figure 2-5.)
- *(✓) Step 40. Prepare R13 (39 ohm 2 watt) for installation on C9. Solder a #10 lug to each lead of R13. Bend leads of R13 to fit the terminals of C9. (R13 should fit on C9 as shown in Figure 2-5.)
- *(✓) Step 41. Connect Sol-20 DC power cable (5 wire) and R13 to C9. Route cable between C8 and transformer. Remove terminal screws from C9. Place lockwasher, terminal screw, blue lead of Sol-20 DC cable and one R13 lead on one terminal screw and drive it into the positive (+) terminal on C9. Attach lockwasher, white cable lead and other R13 lead to negative (-) terminal on C9 in the same manner. Tighten both capacitor terminals tightly.

CAUTION

LOOSE CONNECTIONS ON C9 CAN LEAD TO ARC-
ING AND SUBSEQUENT POWER SUPPLY DAMAGE.

Big Capacitor
Reg.

- *(✓) Step 42. Connect blue pigtail of Sol-20 DC cable to positive (+) terminal of FWB3. (This pigtail has a spade lug at its free end and is connected to the lug you just attached to the positive terminal of C9.) Connect white pigtail of Sol-20 DC cable to negative (-) terminal of FWB3. (This pigtail has a spade lug at its free end and is connected to the lug you just attached to the negative terminal of C9.)