

PROCESSOR TECHNOLOGY CORPORATION

Sol-PC SINGLE BOARD TERMINAL COMPUTERTM

SECTION III

- (✓) Step 66. Install diodes D13 and D14 (1N4001) in their locations in the lower right corner of the board. Position both diodes with their dark band (cathode) at the bottom.
- (✓) Step 67. Install DIP reed relays in locations K1 and K2 to the right of U113. Be sure to install K1 and K2 with their end notch at the bottom (pin 1 in lower right corner). These relays are soldered to the board. (Refer to "Loading DIP Devices" in Appendix IV.)
- (✓) Step 68. Install the following IC's in the indicated locations. Pay careful attention to the proper orientation.

NOTE

Dots on the assembly drawing and PC board indicate the location of pin 1 of each IC.

<u>IC NO.</u>	<u>TYPE</u>
(✓) U69*	TMS6011NC*
(✓) U98*	4023*
(✓) U99*	4030*
(✓) U100*	4013*
(✓) U101*	4027*
(✓) U108	1458CP or 1558CP
(✓) U109*	4049*
(✓) U110*	4046*
(✓) U111*	4019*
(✓) U112*	4520*
(✓) U113*	4013*

*MOS device. Refer to CAUTION on Page III-8.

- (✓) Step 69. Install Augat pins in mounting holes H, I and J (located to left of C70). (Refer to "Installing Augat Pins" in Appendix IV.) Using #24 bare wire, install a jumper between pins I and J.
- () Step 70. Adjust VR3.
- (✓) Using a cable with a male phono jack on both ends, connect ACI audio output (J6) to ACI audio input (J7).
- (✓) Apply power to Sol-PC.
- (✓) Set VR3 fully clockwise (CW).
- (✓) Measure the DC voltage at pin 13 of U110 and write the measured voltage down. (Call this Voltage A.)
- (✓) Set VR3 fully counterclockwise (CCW).
- (Step 70 continued on Page III-39.)