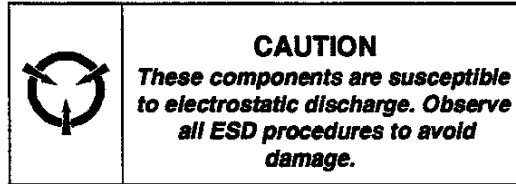


Section 8

Options

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8.1 Installing Additional Memory



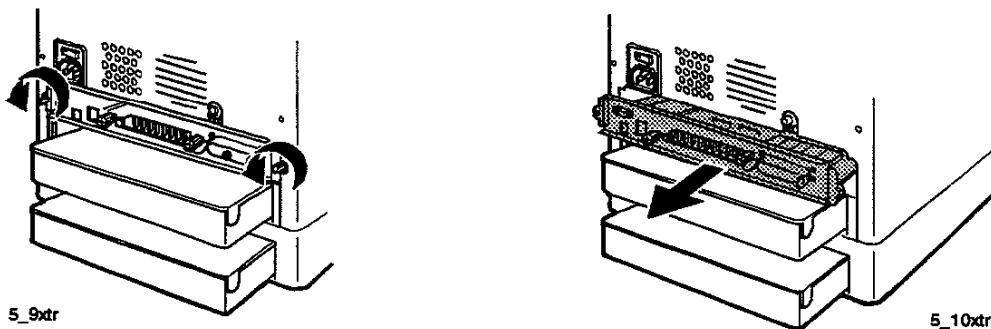
SoftBand technology enables printing at 600 dpi with only 4 MB of RAM. This is more than enough for speedy and superb output for most documents. To print more complex documents, documents with graphics, or for the PostScript option, more memory will probably be needed. Launch configuration is 6MB standard memory (2MB onboard and a 4MB SIMM). Future configuration will be 4MB onboard memory. The base memory may be expanded by using the 3 slots on the controller PWB. The printer accepts industry standard 72-pin, 70-ns, 32-bit, no parity SIMMs in three sizes; 1, 4, and 16 MB. Because of memory addressing factors, 1 MB SIMMs will be ignored if a 16 MB SIMM is installed.

SIMMs can be installed in any slot in any order.

To install an additional memory module:

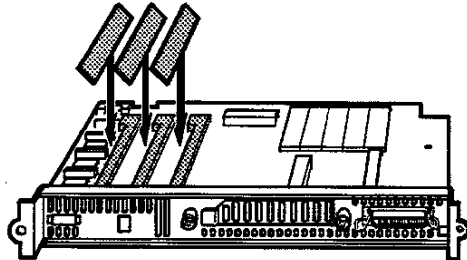
- 1 Disconnect the AC power.
- 2 Disconnect all cables from the rear of the printer.
- 3 Unscrew the outside pair of screws holding the System Controller PWB in place (Figure 8.1a).
- 4 Remove the System Controller PWB (Figure 8.1a).
- 5 Set the PWB down in a safe, stable, level place.

Figure 8.1a Removing the System Controller PWB.



- 6 SIMMs are installed into the 3 slots on the left side of the System Controller PWB (Figure 8.1b).
- 7 Hold the SIMM at a vertical 30 degree angle and firmly push it with your thumbs into the slot. Push the module into the slot to fully seat it (Figure 8.1b).
- 8 Rotate the module until the clips on the edges of the slot snap/click onto the module.

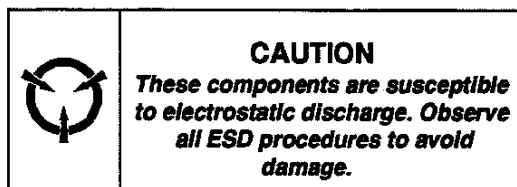
Figure 8.1b Installing SIMMs.



5_11

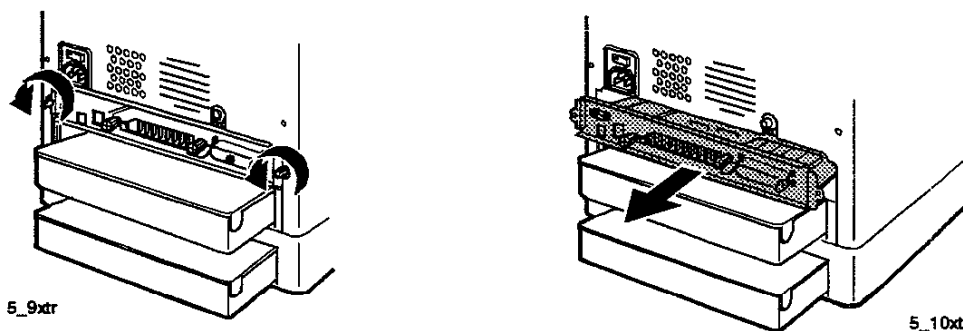
- 9 Reinstall the System Controller PWB. Run a Config Sheet and verify memory value matches memory installed.

8.2 Installing the PostScript PWB



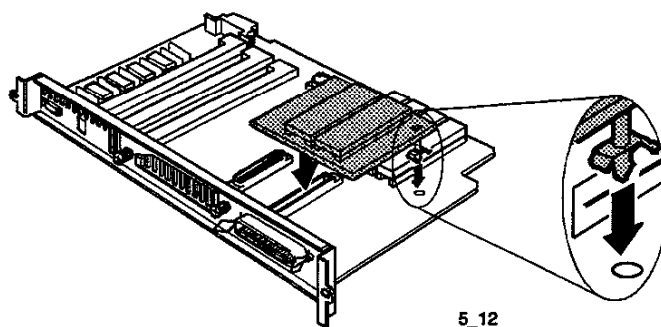
- 1 Disconnect the AC power.
- 2 Disconnect all cables from the rear of the printer.
- 3 Unscrew the outside pair of screws holding the System Controller PWB in place (Figure 8.2a).
- 4 Remove the System Controller PWB (Figure 8.2a).
- 5 Set the PWB down in a safe, stable, level place

Figure 8.2a Removing the System Controller PWB.



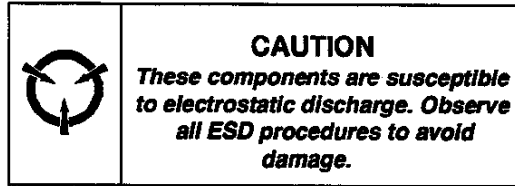
- 6 The PostScript PWB fits on the right hand side of the System Controller PWB (Figure 8.2b).

Figure 8.2b Installing the PostScript PWB.



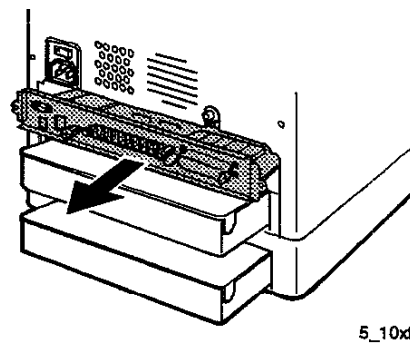
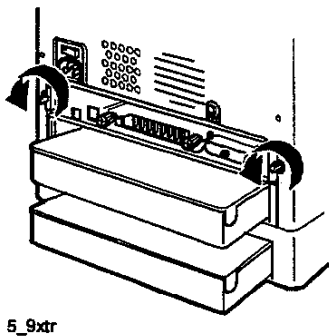
- 7 Insert the plug on the bottom of the PostScript PWB into the socket on the System Controller PWB (Figure 8.2b).
- 8 Be sure the plastic post on the PostScript PWB fits into the hole on the side of the System Controller PWB (Figure 8.2b).

8.3 Installing the LocalTalk/RS-232C Serial Interface PWB



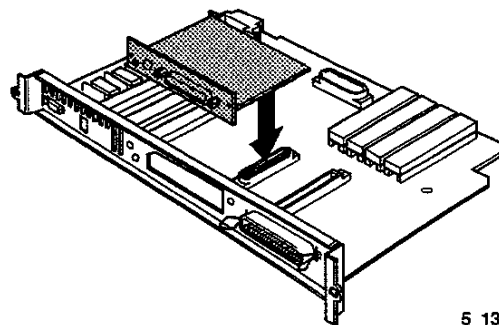
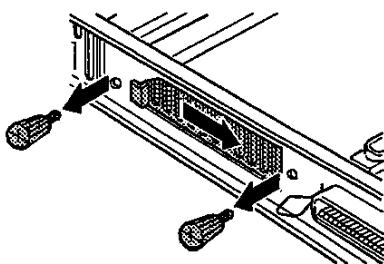
- 1 Disconnect the AC power.
- 2 Disconnect all cables from the rear of the printer.
- 3 Unscrew the outside pair of screws holding the System Controller PWB in place (Figure 8.3a).
- 4 Remove the System Controller PWB (Figure 8.3a).
- 5 Set the PWB down in a safe, stable, level place.

Figure 8.3a Removing the System Controller PWB.



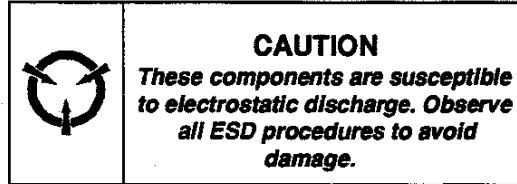
- 6 Unscrew the slot cover on the back of the System Controller PWB and slide it out (Figure 8.3b).
- 7 A plug on the bottom of the Interface PWB fits into a socket on the System Controller PWB, to the right of the slot opening. Push the plug into the socket (Figure 8.3b).

Figure 8.3b Installing the interface PWB.



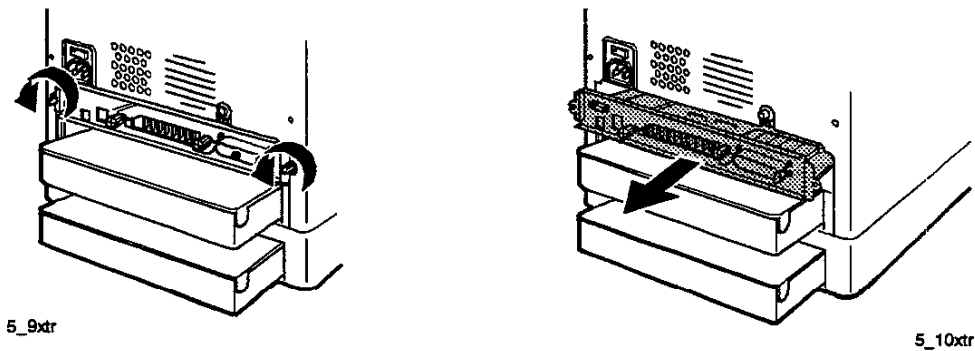
- 8 Secure the Interface PWB in place with the thumbscrews removed in step six.

8.4 Installing a Ethernet or Token Ring PWB



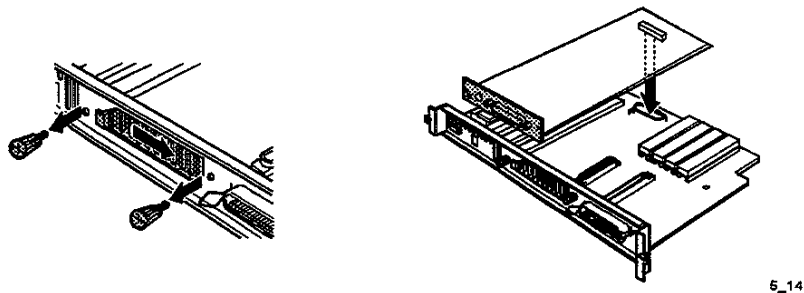
- 1 Disconnect the AC power.
- 2 Disconnect all cables from the rear of the printer.
- 3 Unscrew the outside pair of screws holding the System Controller PWB in place (Figure 8.4a).
- 4 Remove the System Controller PWB (Figure 8.4a).
- 5 Set the PWB down in a safe, stable, level place.

Figure 8.4a Removing the System Controller PWB.



- 6 Unscrew the slot cover on the back of the System Controller PWB and slide it out (Figure 8.4b).
- 7 Align the plug on the bottom of the PWB with the socket on the System Controller PWB and seat firmly in place (Figure 8.4b).

Figure 8.4b Installing the LAN PWB.



- 8 Secure the Interface PWB in place with the thumbscrews removed in step six.

8.5 SIMM Check-Out Procedure

- 1 Remove and reinstall all SIMMs. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Go to step 3.
- 2 Return to the Entry Level RAP and continue.
- 3 Remove all SIMMs. Reinstall one SIMM in DRAM Module 1 slot. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Go to step 9.
- 4 Move the SIMM from DRAM module slot 1 to DRAM module slot 2. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Replace the System Controller PWB (PL 7).
- 5 Move the SIMM from DRAM module slot 2 to DRAM module slot 3. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Replace the System Controller PWB (PL 7).
- 6 If there are additional SIMMs to be tested, go to step 7. If not, return the the Entry Level RAP and continue.
- 7 Install the additional SIMM. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Replace the SIMM.
- 8 If there is an additional SIMM to be tested, go to step 7. If not, return the the Entry Level RAP and continue.
- 9 Move the SIMM from DRAM module slot 1 to DRAM module slot 2. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| If additional SIMMs are available, go to step 11. If only one SIMM is available, replace in order: Memory SIMM (PL 7), System Controller PWB (PL 7).
- 10 Replace the System Controller PWB (PL 7).
- 11 Install a different SIMM in the same location. Print a Config Sheet. The RAM size indicated on the Config Sheet matches the memory actually installed in the printer.
Y N
| Replace the System Controller PWB (PL 7).
- 12 Replace the SIMM previously tested.

8.6 Communications Check-Out Procedure

- 1 A serial interface is being used for printer communications.
Y N
| Go to step 5.
- 2 Check the Printer Operations Serial Menu settings. The menu settings match the Host settings.
Y N
| Have the customer reconfigure the host or printer settings so that they match.
- 3 Connect the Anacom G80 or similar interface test box to the serial port and generate a test print. The test completes successfully.
Y N
| Replace the following in order: LocalTalk/Serial Option PWB (PL 7), System Controller PWB (PL 7).
- 4 Disconnect and reconnect the host interface cable to the printer serial interface port. Inspect for any visual signs of damage to the cable. Replace the interface cable if necessary (customer purchased item). Have the customer send a print job using another application.
- 5 An optional printer interface (LocalTalk, Token Ring, or Ethernet) is being used for printer communications.
Y N
| Go to step 8.
- 6 Disconnect and reconnect the host interface cable to the printer interface port. Inspect for any visual signs of damage to the cable. Replace the interface cable if necessary (customer purchased item). Have the customer send a print job using another application. The problem still persists.
Y N
| Problem resolved, return to initial actions and continue.
- 7 Replace the following in order: Optional interface PWB (PL 7), System Controller PWB (PL 7).
- 8 Connect the Anacom G80 or similar interface test box to the parallel port and generate a test print. The test completes successfully.
Y N
| Replace the System Controller PWB (PL 7).
- 9 Inspect the parallel interface cable for any visual signs of damage to the cable. Replace the interface cable if necessary (customer purchased item). Have the customer check the application and printer driver setup. Try sending a print job from another application.