

# Sun Blade™ 100 DIMM Installation Guide



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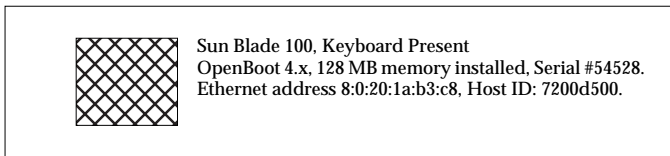


# Installing DIMMs in the Sun Blade 100 System

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## Verifying the Current DIMM Configuration

Before you start to install additional DIMMs, reboot your system and check the banner screen on your monitor to verify the amount of memory already installed in your system. The banner screen is displayed at the top of your monitor screen before the system begins to reboot (Figure 1-1).



**Figure 1-1**      Banner Screen Example

# Preparing for Installation

To prepare for installation of optional components, you must power off the system, remove the cover, and attach an antistatic wrist strap.

## Powering Off the System

1. Exit from any applications that are running.
2. Choose one of the two power-off methods, orderly or immediate:
  - To perform an orderly power-off:

- a. Press the power switch and immediately release it (Figure 1-2).

The system shutdown menu is displayed.

- b. Select Shutdown.

The system performs internal shutdown procedures.

- To perform an immediate power-off, press and hold the power switch for *four seconds* before releasing it.

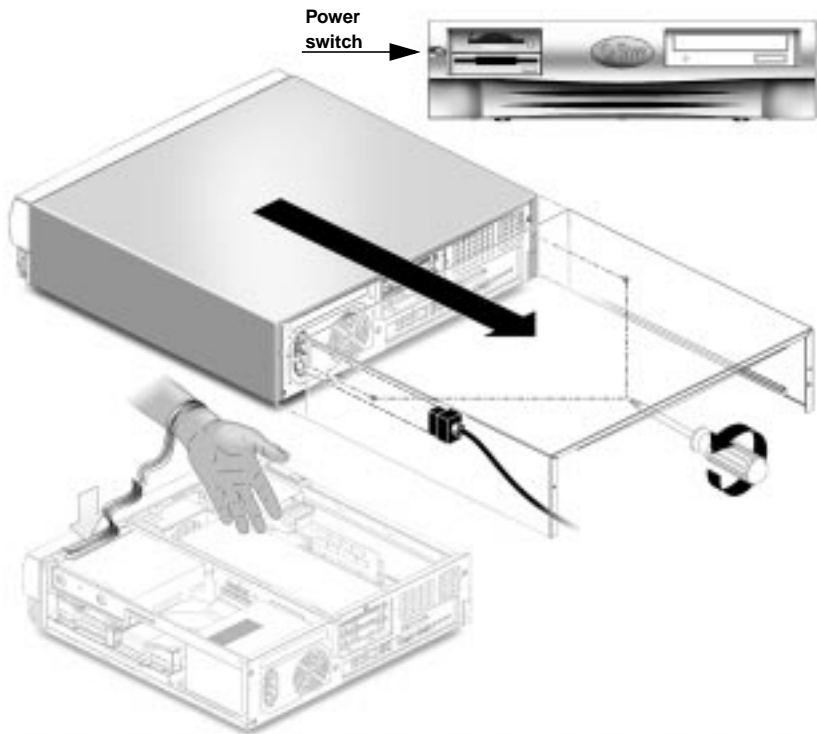


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**Caution** – The immediate power-off method does not perform an orderly shutdown of the operating system and data might be lost.

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- 3. Verify that the power-indicator LED on the power switch turns off.**
- 4. Turn off power to the monitor and to all external devices.**



**Figure 1-2** Preparing for DIMM Installation

## Removing the System Cover

1. **Disconnect from the system any cables that are attached to external devices, such as the monitor, keyboard, and mouse.**



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**Caution** – Pressing the power switch does not remove all power from the system; a small voltage remains in the power supply. To remove all power from the system, you must disconnect the system power cord.

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2. **Disconnect the system power cord to ensure all power is removed from the system.**
3. **At the system back panel, remove the two screws that secure the cover.**
4. **Slide the cover back to the end of the system chassis and lift the cover off (Figure 1-2).**

## Attaching an Antistatic Wrist Strap



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**Caution** – Always wear an antistatic wrist strap when handling internal components to equalize all electrical potentials within the system.

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1. Unwrap the first two folds of the wrist strap and wrap the adhesive side firmly against your wrist.
2. Peel the liner from the copper foil at the opposite end of the wrist strap.
3. Attach the copper foil end of the wrist strap to the system chassis to provide a ground for electrostatic discharge (Figure 1-2).

## Installing the DIMMs

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**Note** – For maximum performance, the DIMMs in the Sun Blade™ 100 system have been specifically designed for it. Do not use DIMMs from a different system to upgrade or replace the DIMMs in this system. Verify with your Sun sales or service representative that the DIMMs you order have been certified by Sun for the Sun Blade 100 system.

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When installing additional DIMMs, first fill the connector closest to the motherboard edge, then fill toward the CPU (Figure 1-3).

- 1. Power off the system, remove the cover, and attach an antistatic wrist strap as described in “Preparing for Installation” on page 2.**

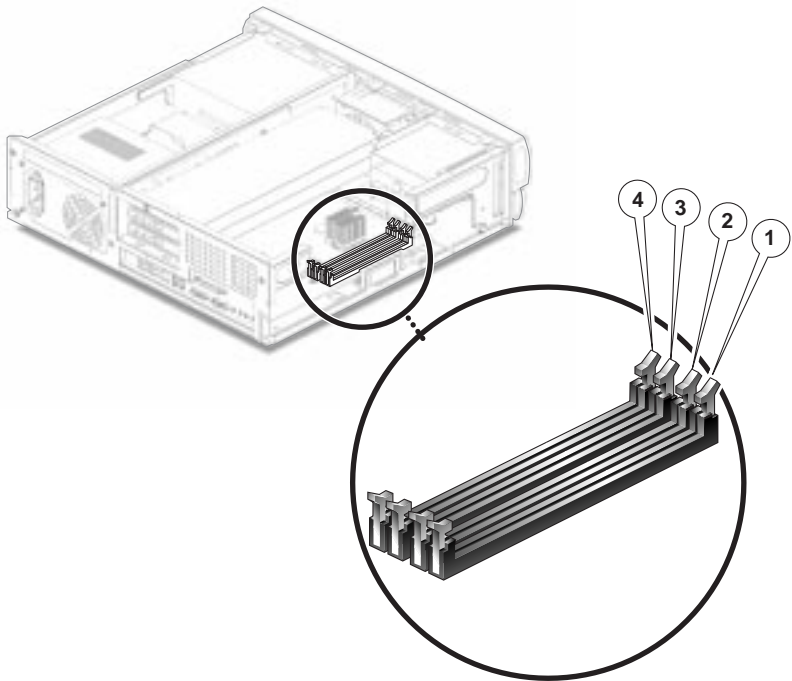


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**Caution** – Hold DIMMs only by their edges to avoid damaging them (Figure 1-4).

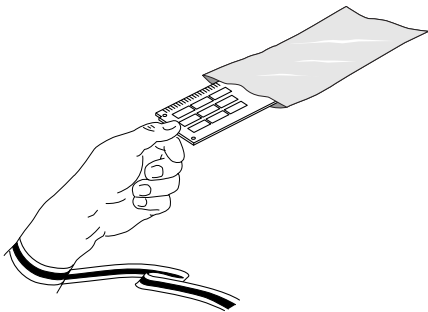
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- 2. Push apart the ejection levers at each end of an empty DIMM connector on the motherboard (Figure 1-5).**



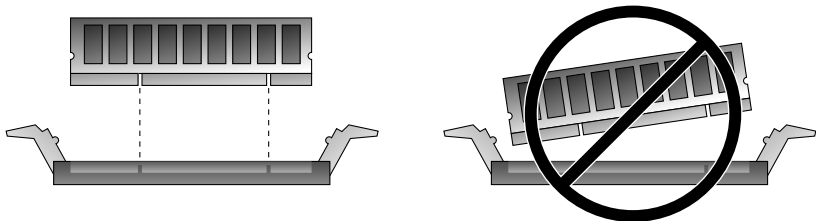
**Figure 1-3** DIMM Installation Order

3. **Unpack the DIMM, holding it only by the edges (Figure 1-4).**



**Figure 1-4**      Unpacking the DIMM

4. **Position the DIMM in the connector, ensuring that the alignment notches on the bottom of the DIMM are aligned with the connector alignment keys (Figure 1-5).**
5. **Press firmly on both DIMM top corners at the same time until the DIMM is fully seated.**



**Figure 1-5**      Correct DIMM Insertion



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**Caution** – Seating the DIMM into a slot unevenly can cause short circuits that damage the system. Ensure that all contacts engage at the same time. Do not rock the DIMM into place. You should hear a “click” when the DIMM is properly seated. See Figure 1-5.

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6. **Verify that the ejection levers close over the notches on both ends of the DIMM.**
7. **Repeat steps 3 through 6 until you are finished installing the additional DIMMs.**
8. **Complete the next section, “Finishing Component Installation.”** Be sure to verify that the system recognizes the new DIMMs that you installed.

## **Finishing Component Installation**

- 1. Remove your antistatic wrist strap from the chassis.**
- 2. Reconnect the system power cord.**
- 3. Replace the system cover onto the system chassis.**
- 4. Align the cover tabs with the slots on the system chassis, then slide the cover toward the front of the system until the front cover tabs lock.**
- 5. Replace the two screws that secure the rear of the cover to the system chassis.**
- 6. Reconnect to the system, the monitor cable and cables from any other external devices.**

## **Verifying That the System Recognizes the New DIMMs**

- 1. Turn on power to the monitor and to all external devices.**
- 2. Press the system power switch on the front panel and release it.**
- 3. After several seconds, verify that the power-indicator LED on the power switch is lit and listen to verify that the system fans are spinning.**

- 4. The power-indicator LED on the power switch illuminates after the system begins the internal booting process.**
- 5. Check the banner screen on your monitor to verify that the system recognizes the additional memory.**
- 6. The banner screen is displayed on the monitor a few seconds after you power on the system (Figure 1-1 on page 1).**
- 7. If you experience problems during power on, see the “Troubleshooting” section of the *Sun Blade 100 Getting Started Guide*, 806-3415.**

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Part Number 806-7837-10  
February 2001, Revision A