Sun Fire™ B100x Server Blade DIMM Replacement Guide

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Replacing DIMMs for the Sun Fire B100x Server Blade

This document provides the procedures for installing DIMMs in the Sun Fire B100x blade, and contains the following sections:

- "Before You Start" on page 1
- "Replacing the DIMM" on page 2
- "Installing the Blade" on page 8

Before You Start

Check that the blue 'Ready to Remove' LED is lit on the blade you want to remove from the system chassis.

Note – Do not remove the blade until this LED state is displayed.

See the *Sun Fire B1600 Blade System Chassis Administration Guide* for details of how to shut down the blade safely.

Caution – Operating the system chassis with empty blade slots might disrupt airflow through the system chassis and will compromise EMC compliance.

Caution – Do not touch, or apply pressure to, any part of the blade server's main printed circuit board assembly.

Replacing the DIMM

This section provides the following procedures:

- "To Remove the Existing DIMM" on page 2
- "To Install the New DIMM" on page 5

▼ To Remove the Existing DIMM

Caution – Use proper ESD grounding techniques when handling components. Wear an antistatic wrist strap and use an ESD-protected mat. Store ESD-sensitive components in antistatic bags before placing them on any surface.

1. **Remove the blade cover screws (**FIGURE 1**).**

   Use a Phillips No. 2 screwdriver to remove the screws.
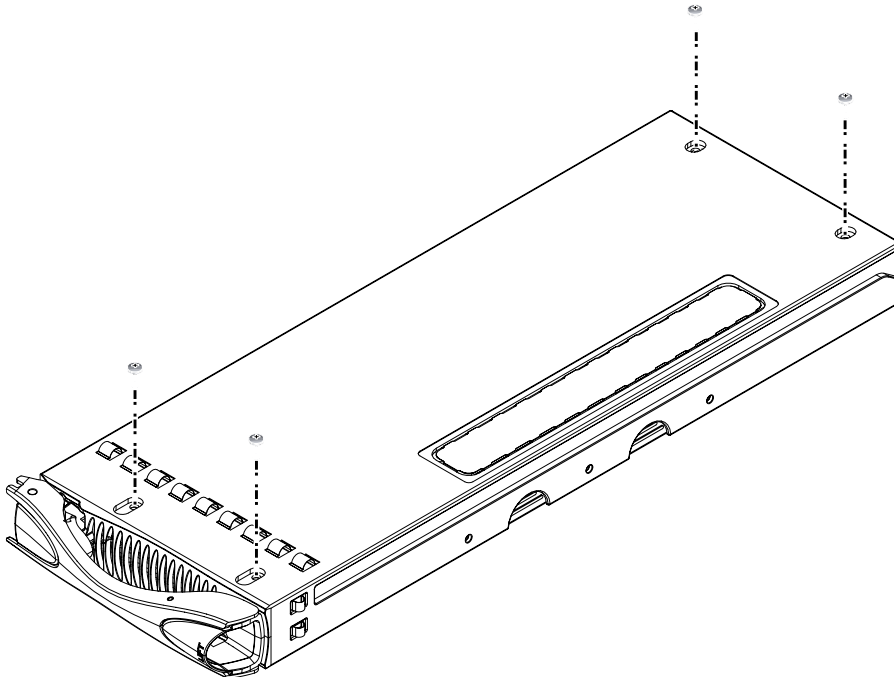
FIGURE 1   Removing the Blade Cover Screws

2. **Lift the blade cover away from the blade (**FIGURE 2**).**

Gently hinge open the blade cover and lift it away from the blade.

⚠ **Caution –** Do not use excessive force in hinging open the blade cover, as this might damage the blade EMI fingers and the physical enclosure itself.
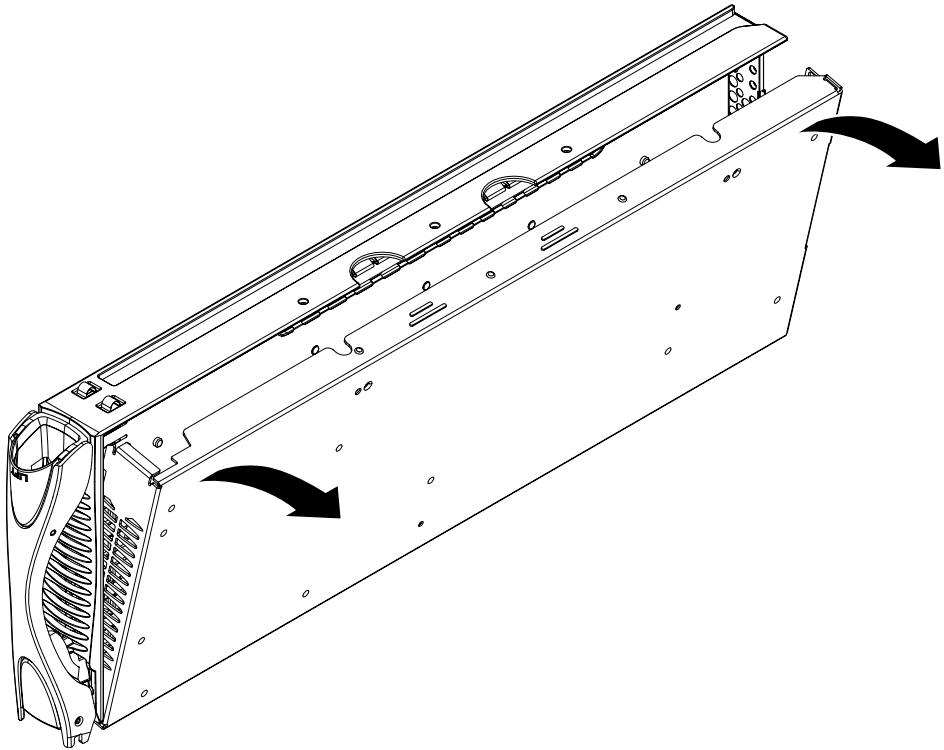
FIGURE 2   Lifting the Blade Cover Away From the Blade

3. **Remove the DIMMs by pressing the DIMM ejectors firmly (**FIGURE 3**).**

Press against the back of the DIMM riser card for support.

> **Note –** You must remove the top DIMM if you require access to the bottom DIMM.

⚠️ **Caution –** Do not press against the metal blade enclosure when you remove the DIMM as you will place excessive strain on the DIMM riser card. Place your thumbs on the back of the DIMM riser card if you require additional leverage.

DIMM Ejector   DIMM Ejector

DIMM Riser Card

FIGURE 3 Removing the Existing DIMM

▼ To Install the New DIMM

Note – The top DIMM slot must be vacant before you to install a DIMM in the bottom slot.

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1. **Unpack the replacement DIMM.**

2. **Insert the DIMM into the vacant DIMM slot.**

3. **Press the DIMM until the DIMM ejectors engage on the edges of the DIMM (**FIGURE 4**).**

   Press against the back of the DIMM riser card for support when you insert the DIMM.

Note – The DIMM ejectors might not engage fully. Press the ejectors to engage them fully with the DIMM.
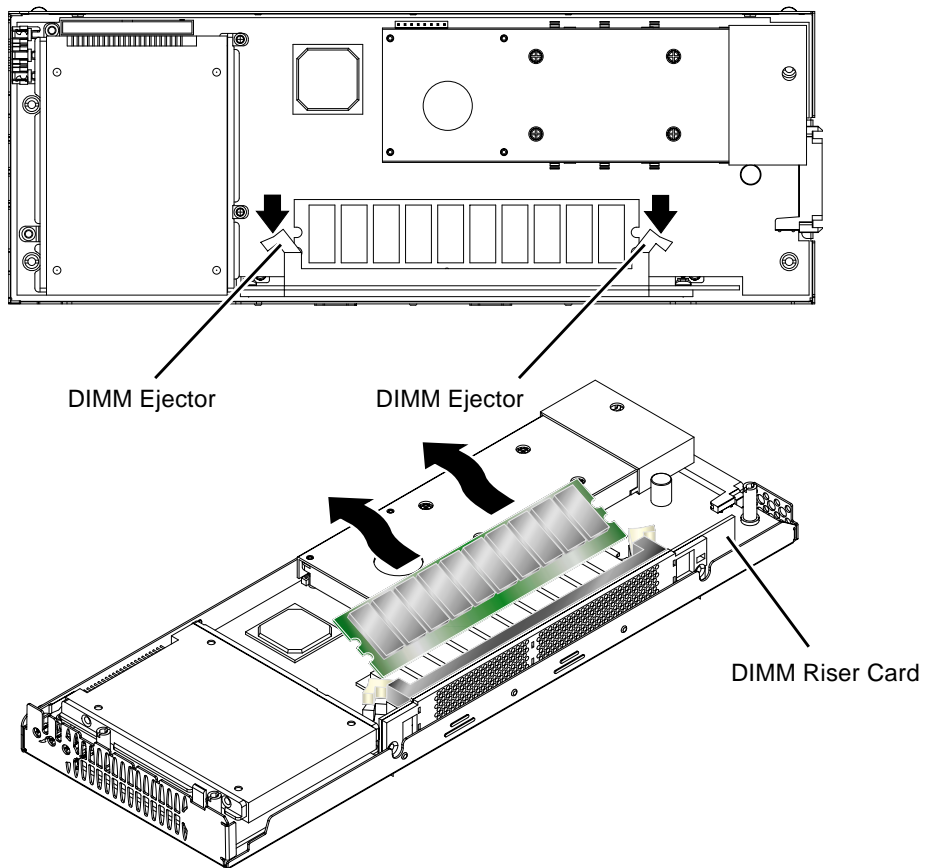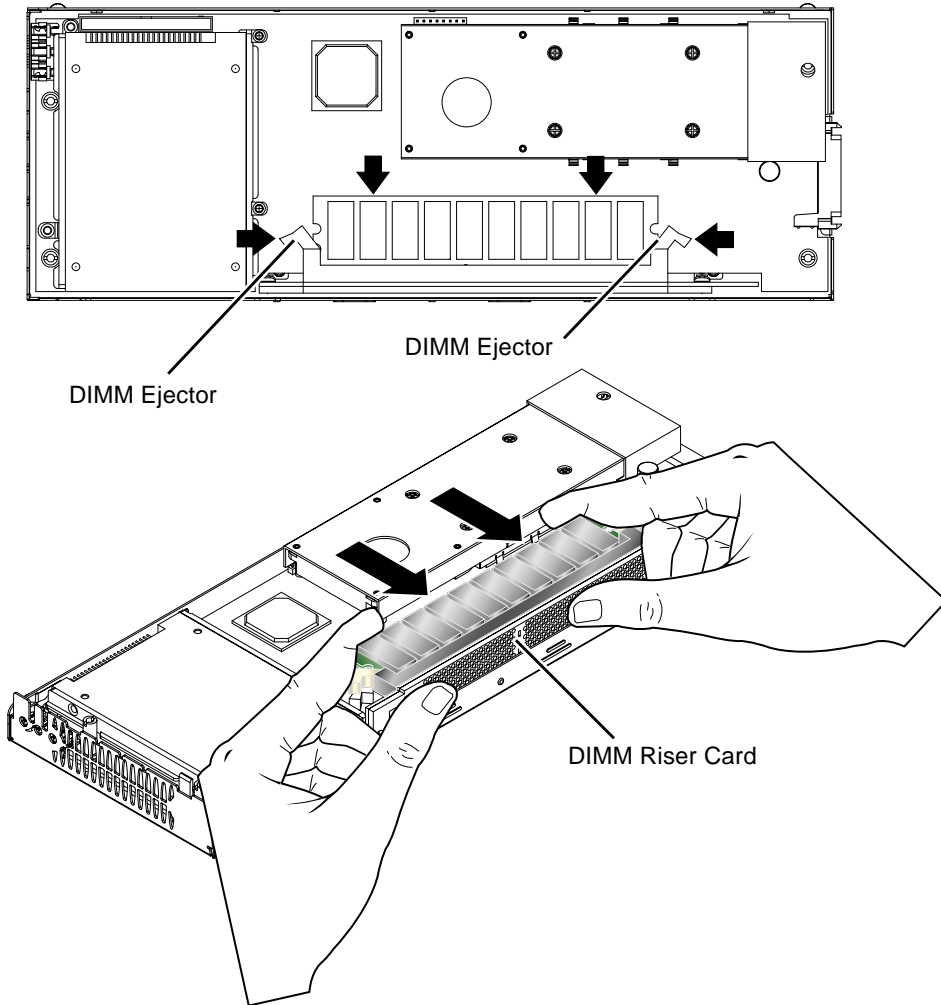

Caution – Do not press against the metal blade enclosure when you insert the DIMM as you will place excessive strain on the DIMM riser card. Place your thumbs on the back of the DIMM riser card if you require additional leverage.

DIMM Ejector

DIMM Ejector

DIMM Riser Card

FIGURE 4   Engaging the DIMM Ejectors
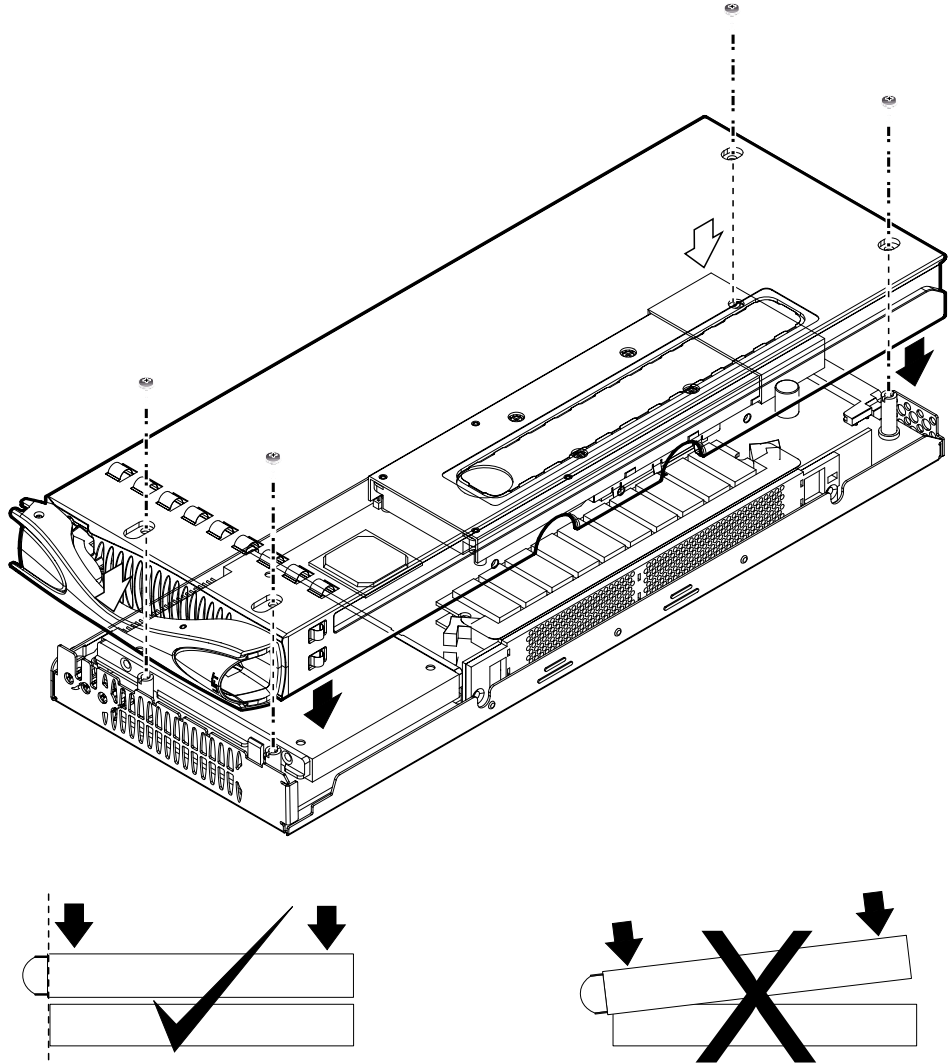
4. Lower the blade cover on to the blade (FIGURE 5**).**

Keep the blade cover level with the blade enclosure. Check that the front of the blade cover is flush with the metal grille at the front of the blade enclosure.

FIGURE 5   Lowering the Blade Cover on to The Blade Enclosure

5. Attach the blade cover to the blade enclosure with the blade cover screws.

Installing the Blade

The system chassis is designed to operate with a total of up to 16 blades and filler panels installed.

Caution – Operating the system chassis with empty blade slots might disrupt airflow through the system chassis and will compromise EMC compliance.

See your Linux documentation and the *Sun Fire B1600 Blade System Chassis Administration Guide* for details of how to install the blade into the system chassis, and how to bring the blade online.