Sun Disk Shelf-24x3.5” SAS-2

Disk Drive Replacment Guide

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Contents

Replacing a Disk Drive 1

ESD Precautions 1

Disk Drive Components 2

Procedure 3

- To Remove the Failed Disk Drive 3
- To Install the New Disk Drive 4
- To Verify the Disk Drive Replacement 5

Documentation, Support, and Training 5

Documentation Comments 6

Replacing a Disk Drive

This document describes how to replace a disk drive in a Sun Disk Shelf-24x3.5″ SAS-2.

Caution – Only trained service personnel should remove the covers on this equipment.

This product is intended for restricted access, whereby access is controlled through the use of a means of security (for example, key, lock, tool, or badge access), and personnel authorized for access have been instructed on the reasons for the restrictions and any precautions that they must take.

This document assumes that you have:

- Identified the chassis containing the failed disk drive.
- Received the replacement disk drive.

ESD Precautions

When performing this service action, observe the following electrostatic discharge (ESD) precautions:

- Remove all plastic, vinyl, and foam material from the work area.
- Wear an antistatic wrist strap at all times when handling any component.
- Before handling any component, discharge any static electricity by touching a grounded surface.
- Do not remove a component from its antistatic protective bag until you are ready to install it.

- After removing a component from the chassis, immediately place it on an antistatic surface or in antistatic packaging.
- Handle any card that is part of a component by its edges only and avoid touching the components or circuitry.
- Do not slide a component over any surface.
- Limit body movement (which builds up static electricity) during the removal and replacement of a component.

Disk Drive Components

FIGURE 1 illustrates the location of the disk drive components and LEDs.

FIGURE 1 Disk Drive Components

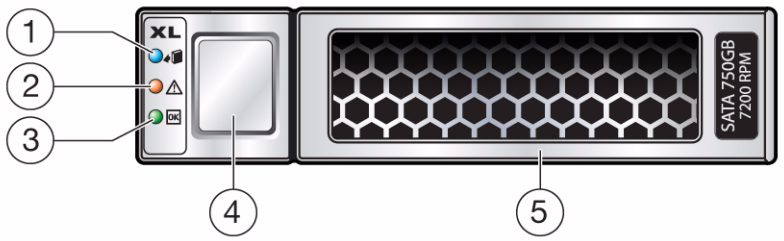


Figure Legend

1	Disk Ready to Remove LED
2	Disk Fault LED
3	Disk Activity LED
4	Release button
5	Ejection lever

Procedure

To replace a failed disk drive, you must complete the following steps, which are described in detail in the remainder of this guide:

1. Remove the failed disk drive. See "To Remove the Failed Disk Drive" on page 3.
2. Install the replacement disk drive. See "To Install the New Disk Drive" on page 4.
3. Verify the installation. See "To Verify the Disk Drive Replacement" on page 5.

Caution – Electrical shock hazard. The power supplies in this equipment can produce high energy hazards. Only trained personnel with authorized access to this equipment should remove and replace modules in the system.

Caution – If you need to remove multiple disk drives, always remove and replace one disk drive at a time.

Note – The disks are hot-swappable. You do not need to disconnect power from the system or other components in order to replace one of these parts.

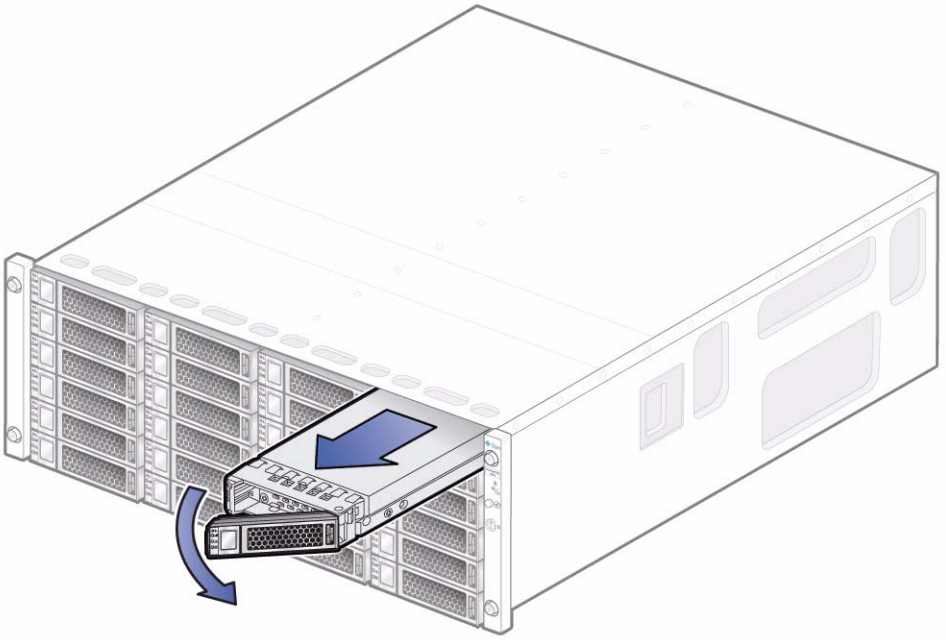
▼ To Remove the Failed Disk Drive

1. **From the front of the chassis, locate the failed disk drive.**

Caution – Potential loss of data access. If the disk's Activity LED (FIGURE 1) is blinking, the disk is active and data might be lost if you remove it. If you remove an active disk drive accidentally, wait at least 30 seconds before reinserting it.

2. **Press the disk drive release button, allowing the disk ejection lever to move to the right.**
3. **Carefully pull the disk ejection lever fully open to unlock and partially eject the disk drive from the chassis (**FIGURE 2**).**
4. **Grasp the middle of the disk drive body and pull it toward you to remove it from the chassis.**

FIGURE 2 Removing a Failed Disk Drive

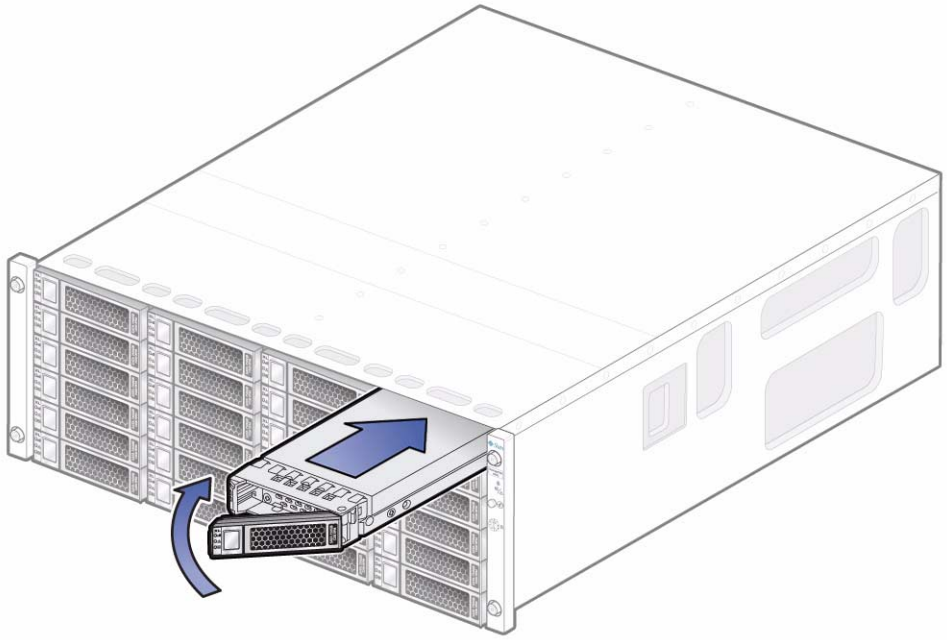


▼ To Install the New Disk Drive

Caution – Follow all ESD precautions (see "ESD Precautions" on page 1) and use care when handling either the new or failed disk drive.

1. **Unpack the new disk drive.**
2. **Place the failed disk drive in the packing materials so that you can return it to Oracle for proper disposal.**
3. **Ensure that the disk ejection lever is in the fully extended position (**FIGURE 3**).**
4. **Align the new disk drive with the open slot and slide the drive into the chassis.**
5. **Push the disk drive into the chassis slot until the disk ejection lever engages the chassis connectors and begins to swing closed.**
6. **Press the disk ejection lever closed until it locks in place to seat the drive and secure it into the chassis.**

FIGURE 3 Inserting a New Disk Drive



7. **After the disk drive is locked in place, the Activity LED will light steady green to indicate a ready state.**

▼ To Verify the Disk Drive Replacement

- **Ensure that the disk Activity LED is lit steady green.**

Documentation, Support, and Training

Function	URL
Documentation	http://docs.sun.com
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