

# Sun™ StorEdge™ L1000 Unpacking Guide

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THE NETWORK IS THE COMPUTER™

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Your Sun product is marked to indicate its compliance class:

- Federal Communications Commission (FCC) — USA
- Department of Communications (DOC) — Canada
- Voluntary Control Council for Interference (VCCI) — Japan

Please read the appropriate section that corresponds to the marking on your Sun product before attempting to install the product.

### FCC Class A Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**Shielded Cables:** Connections between the workstation and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits. Networking connections can be made using unshielded twisted-pair (UTP) cables.

**Modifications:** Any modifications made to this device that are not approved by Sun Microsystems, Inc. may void the authority granted to the user by the FCC to operate this equipment.

### DOC Class A Notice - Avis DOC, Classe A

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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## CISPR-22 Warning!

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### Achtung!

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Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten, in welchen Fällen der Benutzer für entsprechende Gegenmassnahmen verantwortlich ist.

### Attention!

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Ceci est un produit de classe A. Dans un environnement domestique, ce produit peut causer des interférences radioélectriques. Il appartient alors à l'utilisateur de prendre les mesures appropriées.

## Notice for USA and Canada Only

If shipped to USA, use the UL LISTED power cord specified below for 100-120 V operation. If shipped to Canada, use the CSA CERTIFIED power cord specified below for 100-120V operation.

Plug Cap	Parallel blade with ground pin (NEMA 5-15P configuration)
Cord	Type: SJT, three 1.5 mm <sup>2</sup> (16 AWG) or 1.0 mm <sup>2</sup> (18 AWG) wires
Length	Maximum: 4.5m (15 feet)
Rating	Minimum: 10 A, 125 V

### Attention

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LIRE LA REMARQUE DANS LE MODE D'EMPLOI.

### Remarque

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CETTE REMARQUE NE CONCERNE QUE LES ÉTATS-UNIS ET LE CANADA.

En cas d'envoi aux États-Unis, utiliser le cordon d'alimentation certifié UL et convenant pour 100-120 V.

En cas d'envoi au Canada, utiliser le cordon d'alimentation CERTIFIÉ CSA et convenant pour 100-120 V.

Fiche	Broches parallèles avec une broche de mise à la terre (configuration NEMA 5-15P)
Cordon	Type: SJT, trifilaire 1.5 mm <sup>2</sup> (16 AWG) ou 1.0 mm <sup>2</sup> (18 AWG)
Longueur	Maximum: 4.5m (15 pieds)
Capacité	Minimum: 10 A, 125 V

### Zu Ihrer Sicherheit

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#### Vorsicht

Um Feuergefahr und die Gefahr eines elektrischen Schlages zu vermeiden. Darf das Gerät weder Regen noch Feuchtigkeit ausgesetzt werden.

Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stets nur einem Fachmann.

## **Achtung**

Die Verwendung von Brillen, Kontaktlinsen usw. vergrößert die Gefahr.

Zur besonderen Beachtung

### **Zur Sicherheit**

Sollte ein fester Gegenstand oder Flüssigkeit in das Geräteinnere gelangen, trennen Sie das Gerät von der Wandsteckdose ab und lassen Sie es von einem Fachmann überprüfen, bevor Sie es weiter verwenden.

Zum Abziehen des Kabels fassen Sie stets am Stecker und niemals am Kabel selbst an.

### **Zur Aufstellung**

Stellen Sie das Gerät weder auf einer weichen Unterlage (z. B. Decke, Teppich) noch in der Nähe von Vorhängen, Tapeten usw. auf, da hierdurch die Ventilationsöffnungen blockiert werden können.

### **Zur Reinigung**

Verwenden Sie zur Reinigung des Gehäuses, des Bedienungspultes und der Bedienelemente ein trockenes, weiches Tuch oder ein weiches, leicht mit mildem Haushaltsreiniger angefeuchtetes Tuch. Lösemittel wie Alkohol oder Benzin dürfen nicht verwendet werden, da diese die Gehäuseoberfläche ungreifen.

## LITHIUM BATTERY STATEMENT

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**CAUTION** - The Dallas Semiconductor DS1225AB-200 component on the robotic controller board inside this product contains a lithium battery. Lithium is a hazardous material that must be disposed of in accordance with local, state, and federal laws.

**FORSIGTIG** - Båndbiblioteket indeholder et lithiumbatteri. Halvleder DS1225AB-200 på robotkontrolltavlen indeholder et lithiumbatteri. Lithium kan anses for at være et sundhedsfarligt materiale. Kassér dette batteri i overensstemmelse med lokale og nationale lovbestemmelser.

**HUOMAUTUS** - Nauhakirjastossa on litiumparisto. Robottiohjainkortin Dallas DS1225AB-200-puolijohteessa on litiumparisto. Litium voidaan luokitella vaaralliseksi aineeksi. Pariston hävittämisessä on noudatettava viranomaisten antamia ohjeita ja määräyksiä.

**ATTENTION** - La bibliothèque de bande contient une pile au lithium. Le Dallas Semiconductor DS1225AB-200 sur la carte robotique contrôleur contient une pile au lithium. Le lithium est un matériel dangereux. Jeter cette pile conformément aux lois locales, d'état et fédérales.

**ACHTUNG!** - Die Bandbibliothek enthält eine Lithiumbatterie. Der Halbleiter Dallas DS1225AB-200 auf dem Roboter-Controller enthält eine Lithiumbatterie. Lithium gilt als Schadstoff. Bei der Entsorgung dieser Batterie alle entsprechenden kommunalen, staatlichen und bundesweiten Vorschriften beachten!

**ATTENZIONE** - La libreria a nastro magnetico contiene una batteria al litio. Il semiconduttore Dallas DS1225AB-200 sulla scheda controller robotico contiene una batteria al litio. Il litio può essere considerato un materiale pericoloso. Eliminare queste batterie in conformità alle normative locali e statali vigenti.

**FORSIKTIG** - Kassettbiblioteket inneholder et litiumbatteri. Enheten Dallas Semiconductor DS1225AB-200 på robotkontrollkortet inneholder et litiumbatteri. Litium kan anses som et farlig materiale. Batteriet skal kastes i henhold til lokal og nasjonal lovgivning.

**PRECAUCIÓN** - La biblioteca de cintas contiene una pila de litio. El semiconductor Dallas DS1225AB-200 en el tablero controlador robotico contiene una pila de litio. El litio es un material peligroso. Deseche esta pila de acuerdo con las leyes municipales, estatales y federales.

**VARNING!** - Magnetbandsbiblioteket innehåller ett litiumbatteri. Dallas halvledare DS1225AB-200 på robotstyrkortet innehåller ett litiumbatteri. Litium kan anses vara ett farligt material. Kassera detta batteri i enlighet med lokala och statliga lagar och förordningar.

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# Sun StorEdge L1000 Unpacking Guide

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The instructions in this document explain how to receive and unpack a Sun™ StorEdge™ L1000 tape library and move it to the installation site.

Prior to shipment, the StorEdge L1000 library is packaged in materials designed to protect it from damage during transit. Follow these instructions to ensure that the library remains protected as you move it to the installation site and prepare it for installation. Set up the library using the instructions provided in the *Sun StorEdge L1000 User's Guide*.

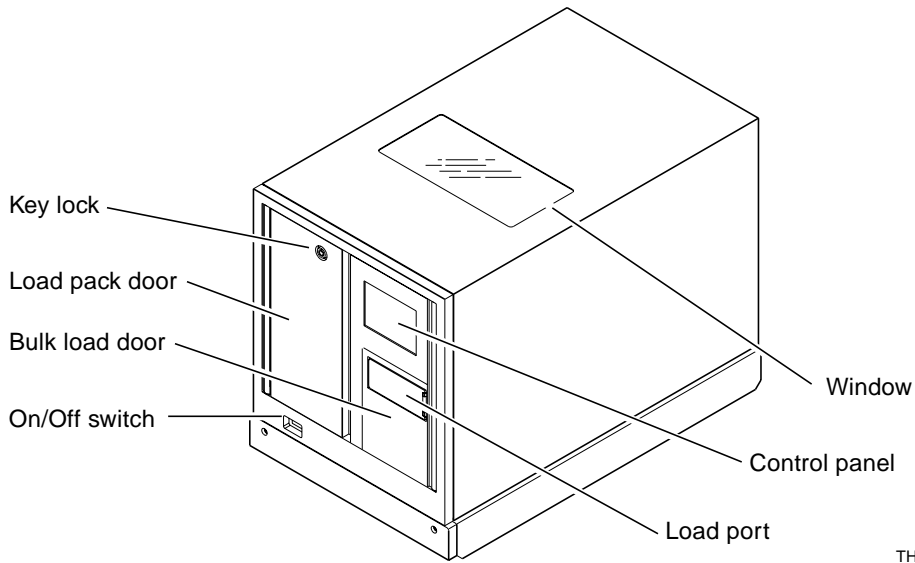
This document also includes instructions for repacking the library for relocation or shipment.

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# Library Configurations

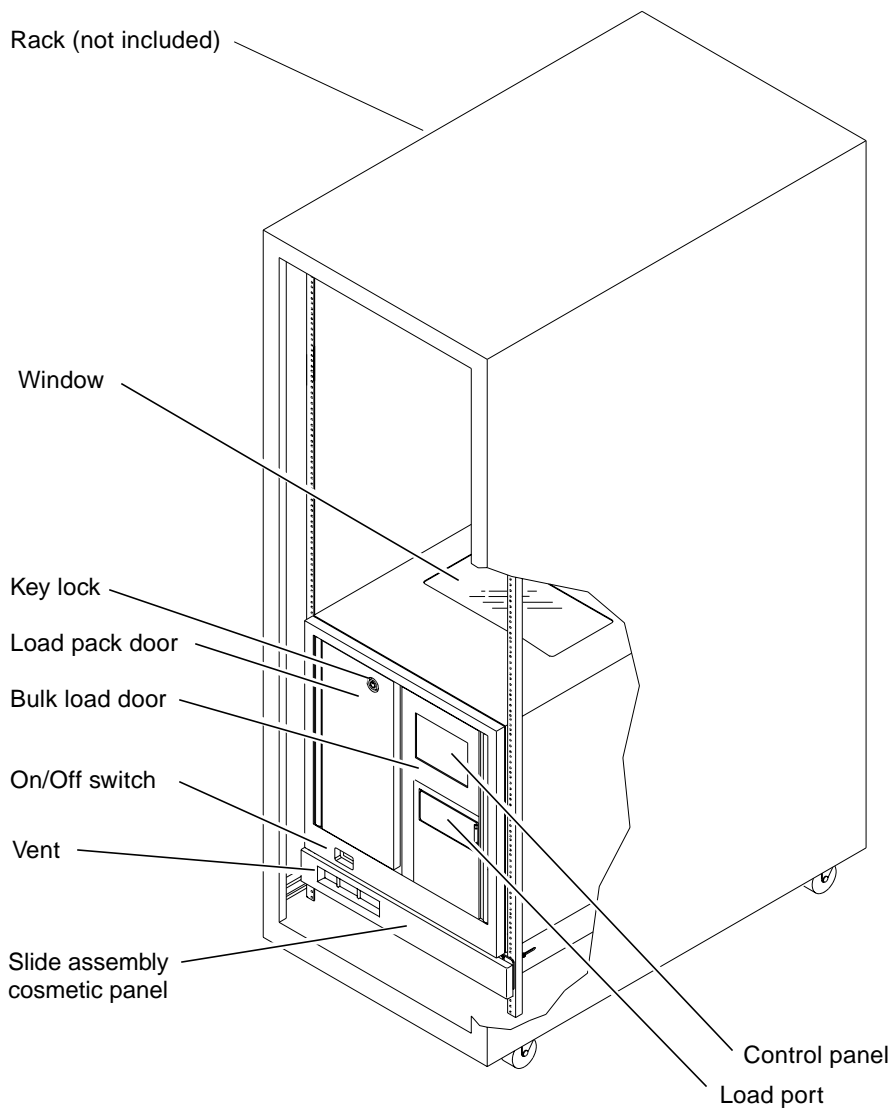
The L1000 is shipped as either a standalone (FIGURE 1) or a rackmount library (FIGURE 2). When fully populated, the L1000 holds four tape drives and 30 DLTtape™ cartridge bins.

The unpacking procedure for both libraries is identical, except where noted in this document.



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**FIGURE 1** StorEdge L1000 Library—Standalone



TH00052b

**FIGURE 2** StorEdge L1000 Library—Rackmount

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# Site Requirements

When choosing an installation site for the StorEdge L1000 library, consider the following requirements:

- Floor space
- Floor clearance
- Overhead clearance
- Floor strength and inclination
- Power and grounding
- Environmental specifications

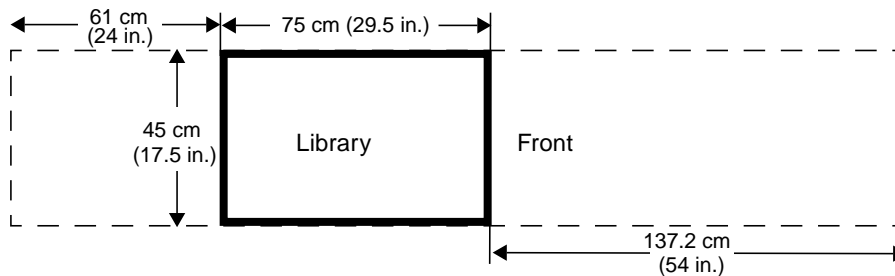
## Floor Space

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**Note** – Additional floor space is required when unpacking the library. For more information, see “Receiving the Library” on page 8.

---

FIGURE 3 shows the floor space requirements for operating the standalone library.



**FIGURE 3** Floor Space Requirements (Standalone Library)

FIGURE 4 shows the floor space requirements for operating the rackmount library.

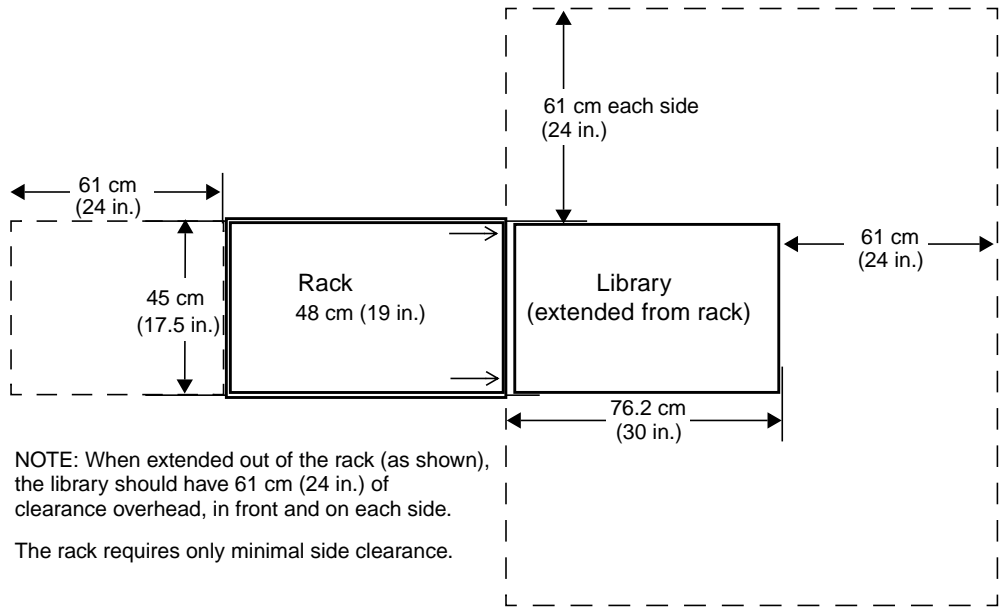


FIGURE 4 Floor Space Requirements (Rackmount Library)

## Floor Clearance

The standalone version of the library has a nominal floor clearance of 1.9 cm (0.75 in.). Place the library on a level, uncarpeted floor free of cracks, depressions, and other similar defects.

## Floor Strength and Inclination

The floor in the installation site must be rated at 1221 kg/m<sup>2</sup> (250 lb/ft<sup>2</sup>). This is sufficient to support a fully loaded library on the floor or in a rack.

The floor in the installation site must also be level to within 0.64 cm (0.25 inch) over a 1.82m by 1.82m (6-foot by 6-foot) area.

## Overhead Clearance

A minimum clearance of 61 cm (24 in.) above the library is required when servicing requires the removal and replacement of the library enclosure. When combined with the 53 cm (21 in.) height of the library, this is a total of 114.3 cm (45 in.) from the floor (standalone library) or slide assembly tray (rackmount library).

## Power and Grounding

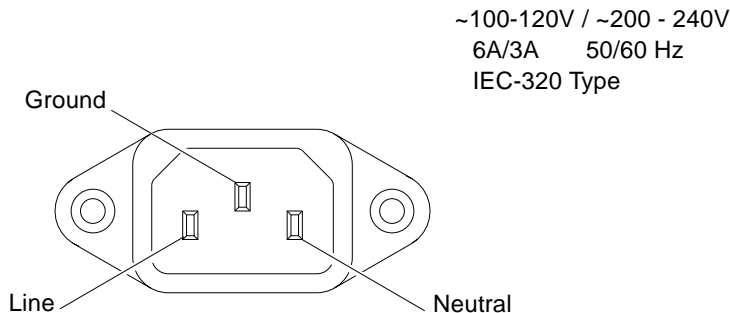
The library auto-ranging motor and logic power supplies accept single-phase input power of 90 to 132 VAC and 180 to 264 VAC at 47 to 63 Hz.

In the United States and Canada, the power inlet is an IEC-320 connector (FIGURE 5).

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**Note** – Outside North America, replace the power cord set with a harmonized 3 by 1.0 mm<sup>2</sup> power cord set approved by the country where the library is located.

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**FIGURE 5** AC Power Receptacle

Consider the current rating of the rack before installing more than one library. For example, no more than two libraries can be installed in a typical 15A/120V rack. A 24A/200-240V rack can support a maximum of three libraries.



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**Caution** – The installation site must provide an earth ground cable for the library. For rackmount installations, the rack must also be grounded.

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# Environmental Specifications

The installation site (standalone library) or the interior of the rack (rackmount library) must meet the following environmental requirements:

- Humidity: 20% to 80%, non-condensing
- Temperature: 10 degrees C to 35 degrees C (50 degrees F to 95 degrees F)
- Altitude: sea level to 3048 meters (10,000 feet)

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# Unpacking the Library

This section explains how to unpack the library and move it to its final installation location. The major steps in this procedure are:

- Receiving the library
- Uncrating the library
- Removing the library from the pallet
- Removing internal packing materials

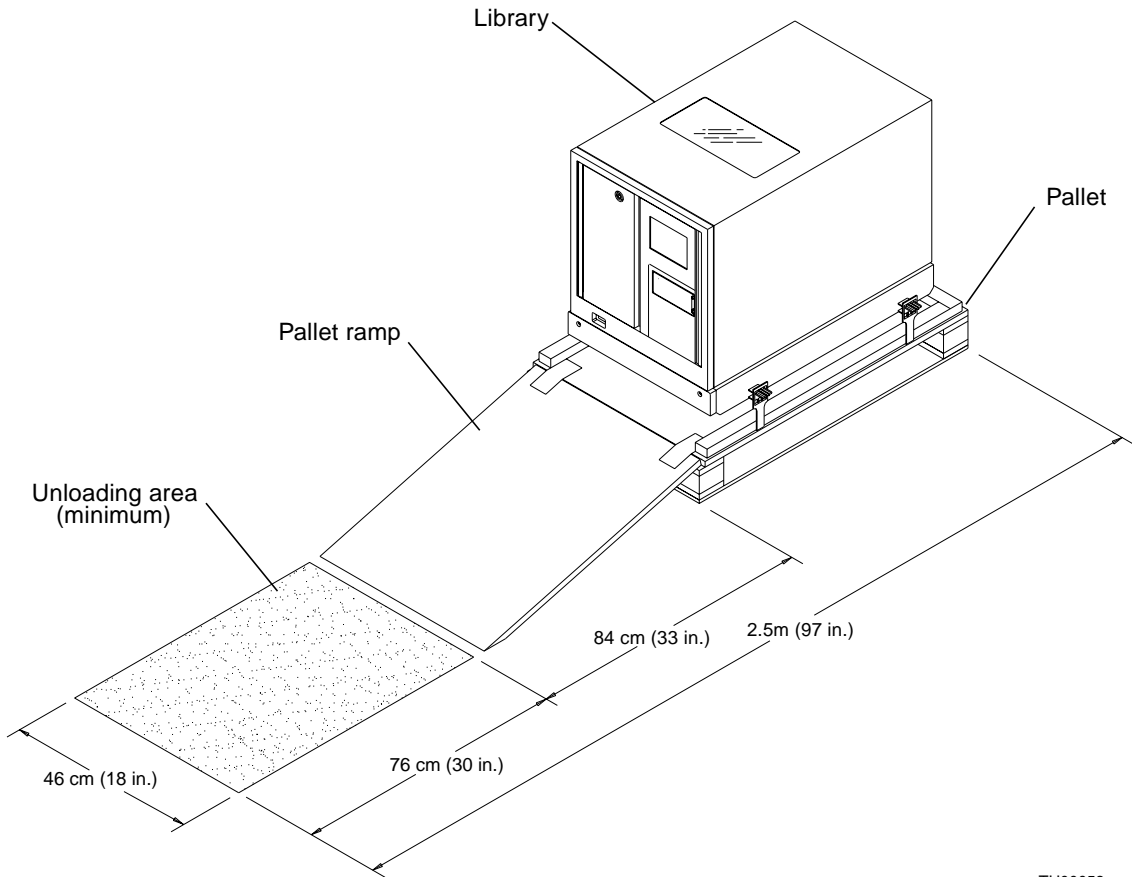
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**Note** – Before proceeding with the following instructions, make sure the installation site meets the requirements described in “Site Requirements” on page 4.

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## ▼ Receiving the Library

1. Receive the library as close to the installation site as possible.
2. For the standalone unit, allow a minimum of 1.6m (63 in.) in front of the ramp side of the pallet as shown in FIGURE 6.



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**FIGURE 6** Unloading Space Requirements (Standalone Library)

3. Inspect the crating material for damage that may have occurred during shipment. Report any damage to the shipper immediately.



## ▼ Uncrating the Library

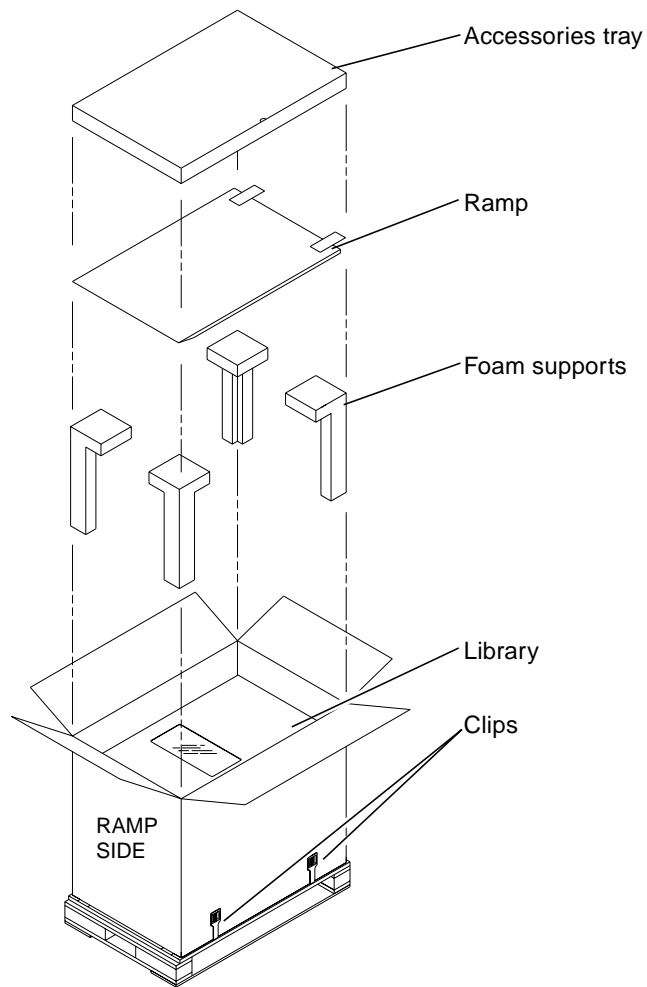
1. **Open the top of the shipping carton by carefully cutting the packaging tape.**

The following items are stacked on top of the library:

- Accessories tray
- Ramp (standalone library) or slide assembly tray (rackmount library)

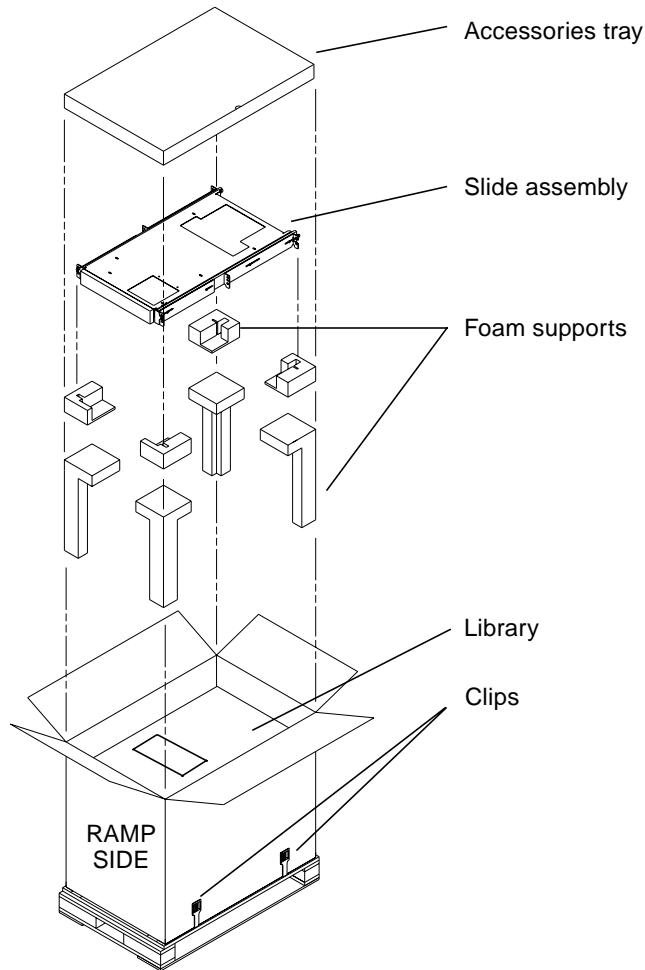
2. **Remove the accessories tray and set it aside.**

3. **For the standalone library, remove the ramp (FIGURE 7) and set it aside.**



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**FIGURE 7** Uncrating the Standalone Library



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**FIGURE 8**    Uncrating the Rackmount Library

- 4. For the rackmount library, remove the slide assembly (FIGURE 8) and set it aside.**
- 5. Remove all foam supports inside the carton.**  
See FIGURE 7 (standalone) or FIGURE 8 (rackmount).
- 6. Release the four clips that secure the carton to the pallet by pinching the center tabs of the clip firmly together and pulling on the tabs.**
- 7. Lift the carton off the pallet and set it aside.**

**8. Compare the contents of the shipping carton and accessories tray with the shipping list shown in TABLE 1 (standalone) or TABLE 2 (rackmount).**

**TABLE 1** Shipping List—Standalone Library

Quantity	Description
1	Library unit
1	Load pack (inside library)
1	Bulk pack (inside library)
1	Ramp
1	<i>Sun StorEdge L1000 Unpacking Guide</i> (this document)
1	Packing list
1	Accessories tray with the following items: (2) 18 cm (7 in.) SCSI cables (PN 6220548-01) <sup>1</sup> (1) 36 cm (14 in.) SCSI cable (PN 6220547-01) (2) SCSI Diff terminators (PN 150-1890-01) (2) 4m (13 ft.) SCSI Diff cable (PN 530-2352) <sup>2</sup> (1) Power cord, detachable (PN 0495034) (1) DLT cleaning cartridge (PN 370-2189) (1) DLT bar code label pack, 264 count (PN 6210201-01) (1) DLT cleaning label pack, 33 count (PN 6210101-03) (1) DLT CompacTape IV cartridge (PN 370-2188) (2) Key for front door lock (PN 330-1651-01) (1) <i>Sun StorEdge L1000 User's Guide</i> (PN 805-4823-10) (1) Sun Express media card (PN 875-1806-01) (1) Sun StorEdge User CD-ROM (PN 704-6261-10) (1) LibMon CD kit (PN 794-7493-01)

1. For 4-drive library only.

2. Only 1 provided with a 1-drive library.

**TABLE 2** Shipping List—Rackmount Library

Quantity	Description
1	Library unit
1	Load pack (inside library)
1	Bulk pack (inside library)
1	Slide assembly, including the following items: (10) 10-32, .75-inch screws (PN 0615033) (6) washers (PN 0685459) (6) 8-32 socket head screws (PN 0895057) (14) 10-32 retainer nuts (PN 0845175) <sup>1</sup> (14) 10-32 captive nuts (PN 0845177) <sup>1</sup>
1	<i>Sun StorEdge L1000 Unpacking Guide</i> (this document)
1	Packing list
1	Accessories tray with the following items: (2) 18 cm (7 in.) SCSI cables (PN 6220548-01) <sup>2</sup> (1) 36 cm (14 in.) SCSI cable (PN 6220547-01) (2) SCSI Diff terminators (PN 150-1890-01) (2) 4m (13 ft.) SCSI Diff cable (PN 530-2352) <sup>3</sup> (1) Power cord, detachable (PN 0495034) (1) DLT cleaning cartridge (PN 370-2189) (1) DLT bar code label pack, 264 count (PN 6210201-01) (1) DLT cleaning label pack, 33 count (PN 6210101-03) (1) DLT CompacTape IV cartridge (PN 370-2188) (2) Key for front door lock (PN 330-1651-01) (1) <i>Sun StorEdge L1000 User's Guide</i> (PN 805-4823-10) (1) Sun Express media card (PN 875-1806-01) (1) Sun StorEdge User CD-ROM (PN 704-6261-10) (1) LibMon CD kit (PN 794-7493-01)

1. Extra hardware provided for racks that don't use threaded retma rails.

2. For 4-drive library only.

3. Only 1 provided with a 1-drive library.

## Removing the Library From the Pallet

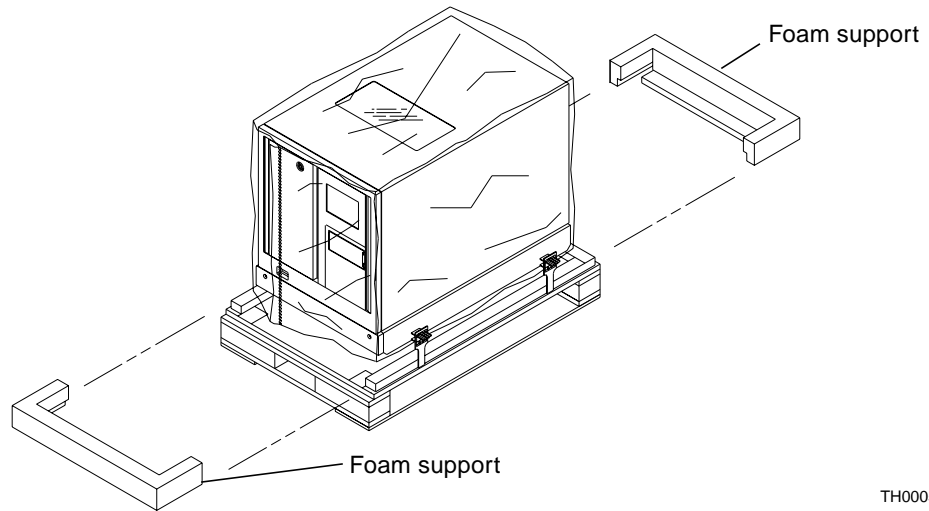
This section provides separate procedures for the standalone and rackmount libraries. See “Standalone Library” on page 13 or “Rackmount Library” on page 15.



**Caution** – Two people should perform any steps that involve lifting or guiding the library. Use safe practices when lifting or guiding the library and handling the slide assembly tray or the ramp.

## ▼ To Remove the Standalone Library

1. Remove the plastic bag enclosing the library by cutting along the front seam.
  - a. Continue to cut all the way to the back of the library.
  - b. Fold the bag out of the way.
2. Remove the foam supports between the library and the pallet (FIGURE 9).



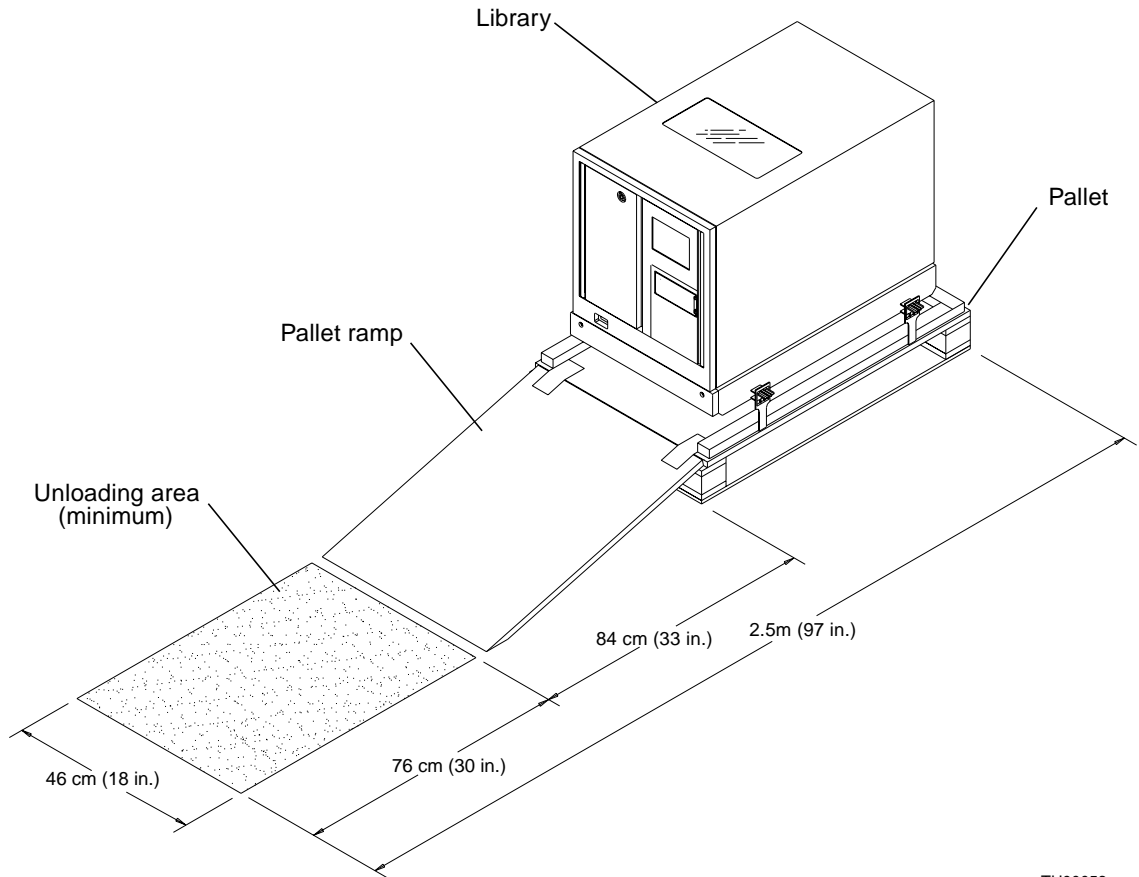
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FIGURE 9 Removing Foam Supports—Standalone

3. Attach the ramp to the pallet using fastener strips as shown in FIGURE 10.
4. Make any necessary preparations for moving the library.

This may involve clearing a path to the installation site, unlocking doors, placing mats down over carpeted areas, and other related tasks.
5. Gripping the frame of the library, carefully guide the library down the ramp as a second person pushes the library from the back.
6. Detach the ramp and place it on top of the pallet.
7. Roll the library to the installation site.
8. Save the shipping carton, bag, foam supports, ramp and pallet for future use.

These items are required to package the library for reshipment.



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**FIGURE 10** Rolling the Library off the Pallet

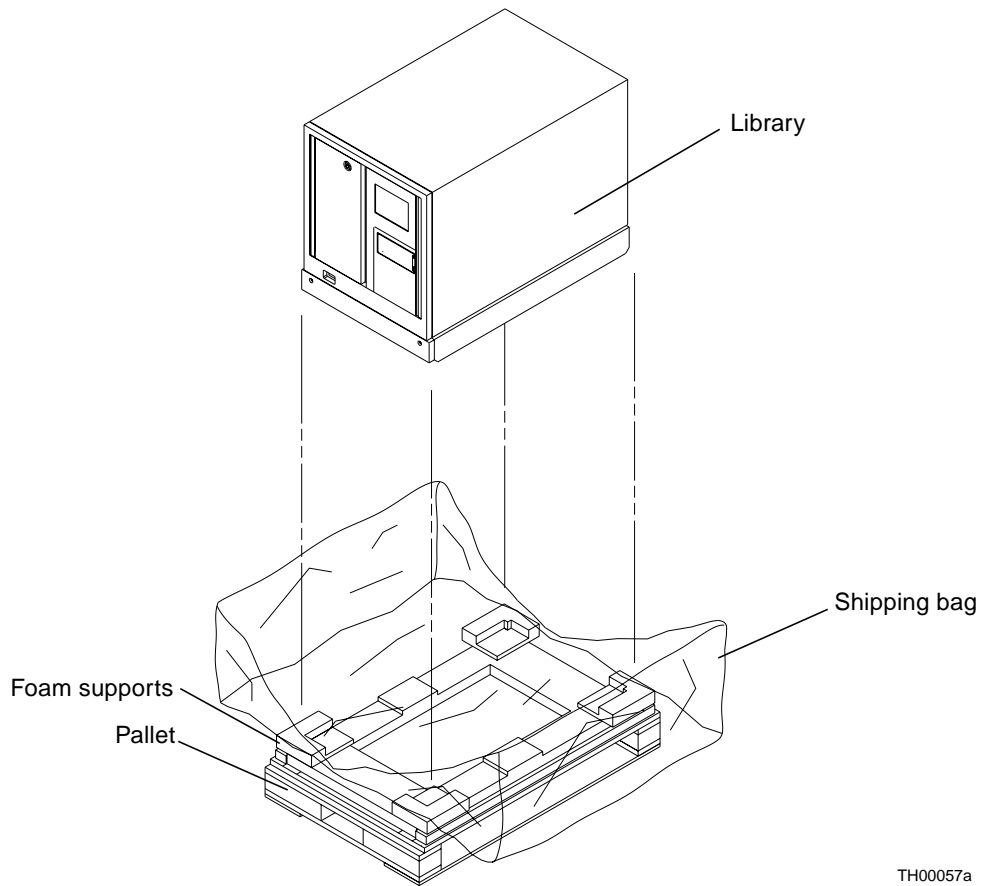
## ▼ To Remove the Rackmount Library

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**Note** – To mount the library in a user-supplied rack, install the slide assembly tray provided. Instructions for installing the slide assembly tray can be found in the *Sun StorEdge L1000 User's Guide*.

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1. Remove the plastic bag enclosing the library by cutting along the front seam.
  - a. Continue to cut all the way to the back of the library.
  - b. Fold the bag out of the way.



**FIGURE 11** Lifting the Rackmount Library from the Pallet

2. Extend the stabilizing feet at the bottom of the rack.
3. Install the slide assembly tray in the rack as explained in the *Sun StorEdge L1000 User's Guide*.
4. Pull the slide assembly tray forward so it is fully extended.
5. With the help of a second person, lift the library from the pallet (FIGURE 11) and place it on the fully extended slide assembly tray.
6. Secure the library to the slide assembly tray as explained in the *StorEdge L1000 User's Guide*.
7. Save the shipping carton, bag, foam supports, and pallet for future use.  
These items are required to package the library for reshipment.

## Removing the Internal Packing Materials

This section explains how to remove the internal packing materials (shipping restraint and foam blocks). These materials help protect the library robotics during shipping.



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**Caution** – Before removing the protective packaging materials inside the library, the library should be at its final installation site. Damage to the equipment can occur if the library is moved without these materials in place.

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**Caution** – Take precautions to prevent electrostatic discharge (ESD). Use an antistatic mat and wear antistatic apparel (smock, wristband, etc.).

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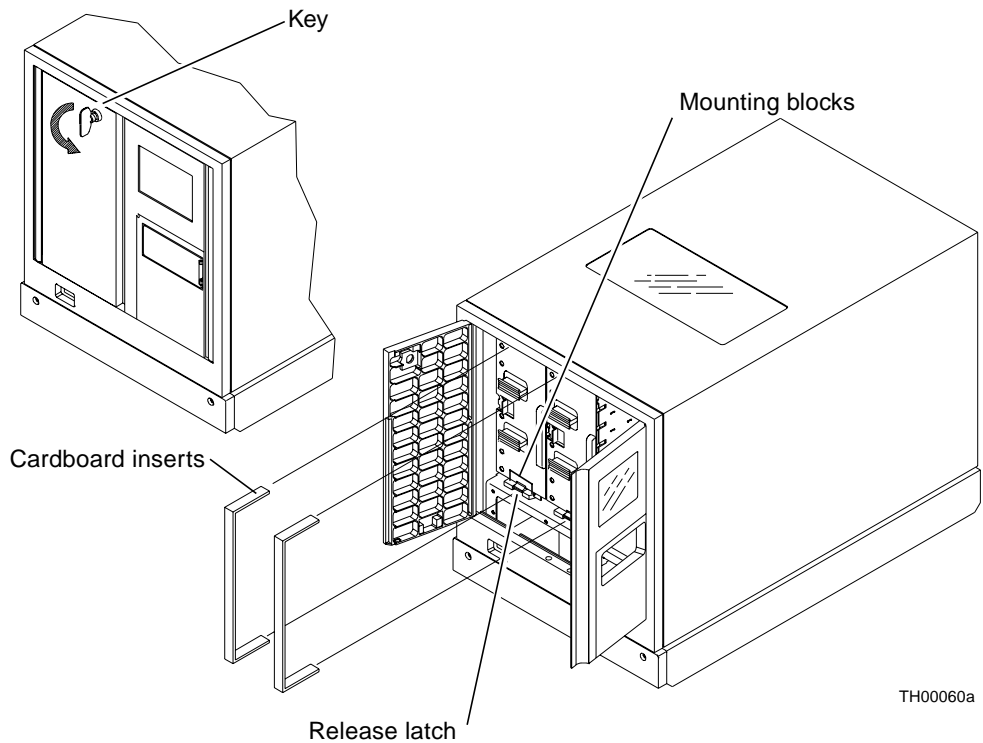
To access and remove the internal packing materials, follow the procedures for:

- Opening the doors
- Removing the load and bulk packs
- Removing the robotics packing materials

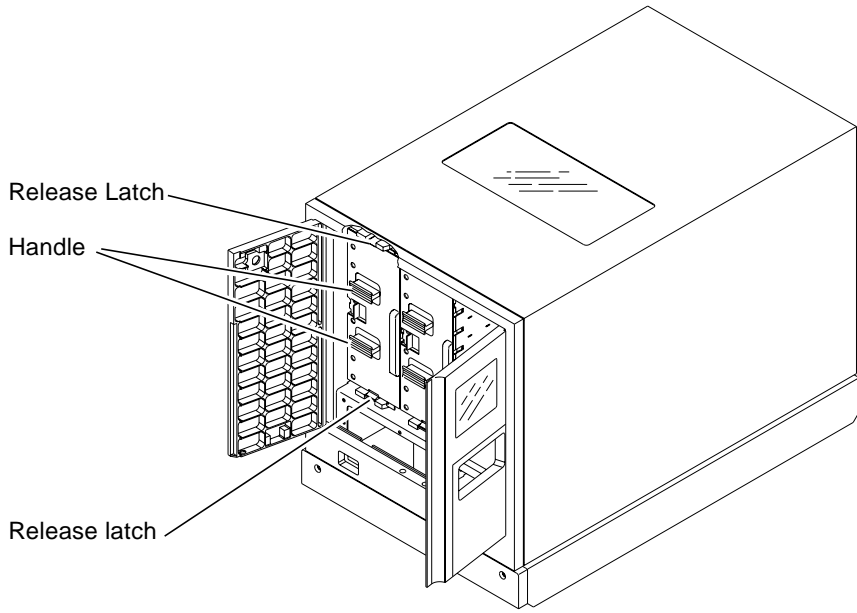


## ▼ To Open the Doors

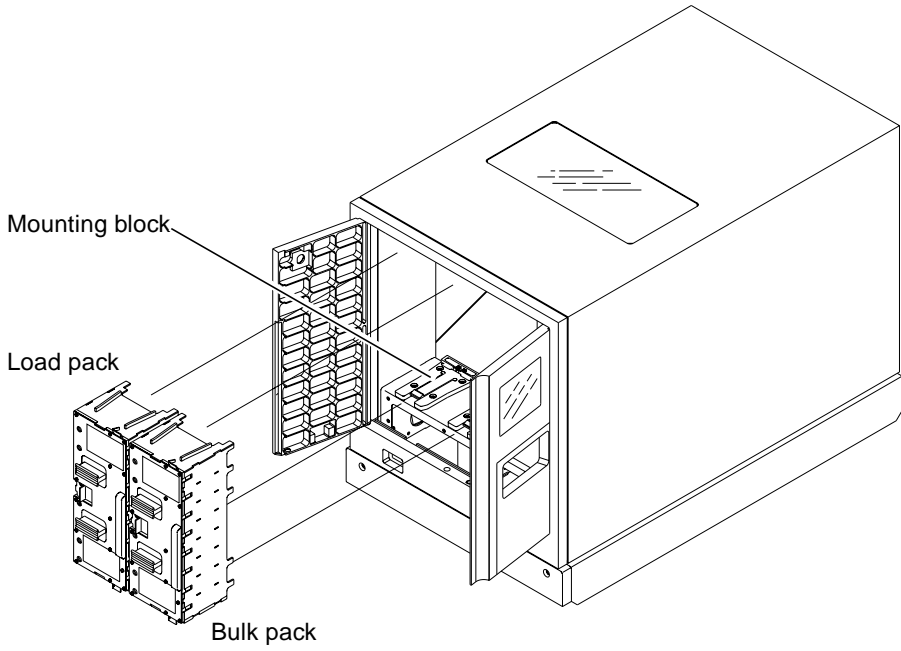
1. Locate the key in the accessories kit.
2. Insert the key into the lock and turn it counterclockwise to the open position.
3. Open the left door first, then the right door.
4. Remove the cardboard inserts that fit between the top and bottom mounting blocks for the load pack and bulk pack.



**FIGURE 12** Removing the Cardboard Packing Inserts



TH00059a



TH00047a

**FIGURE 13** Removing a Pack

## ▼ To Remove the Load and Bulk Packs

1. **Press the release latch at the bottom of either pack (FIGURE 13).**
2. **Grasp a handle while pressing the release latch at the top of the pack and then gently pull the pack out of the library.**
3. **Repeat STEP 1 and STEP 2 to remove the other pack.**

## ▼ To Remove the Robotics Packing Materials

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**Note** – The shipping restraint that protects the extension axis assembly is hooked to the bottom drive shelf, and its tab fits between the mounting blocks for the load and bulk packs.

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1. **Grasp the front edge of the shipping restraint and carefully push inward at both corners while lifting it up at an angle. (See FIGURE 14 on page 20.)**

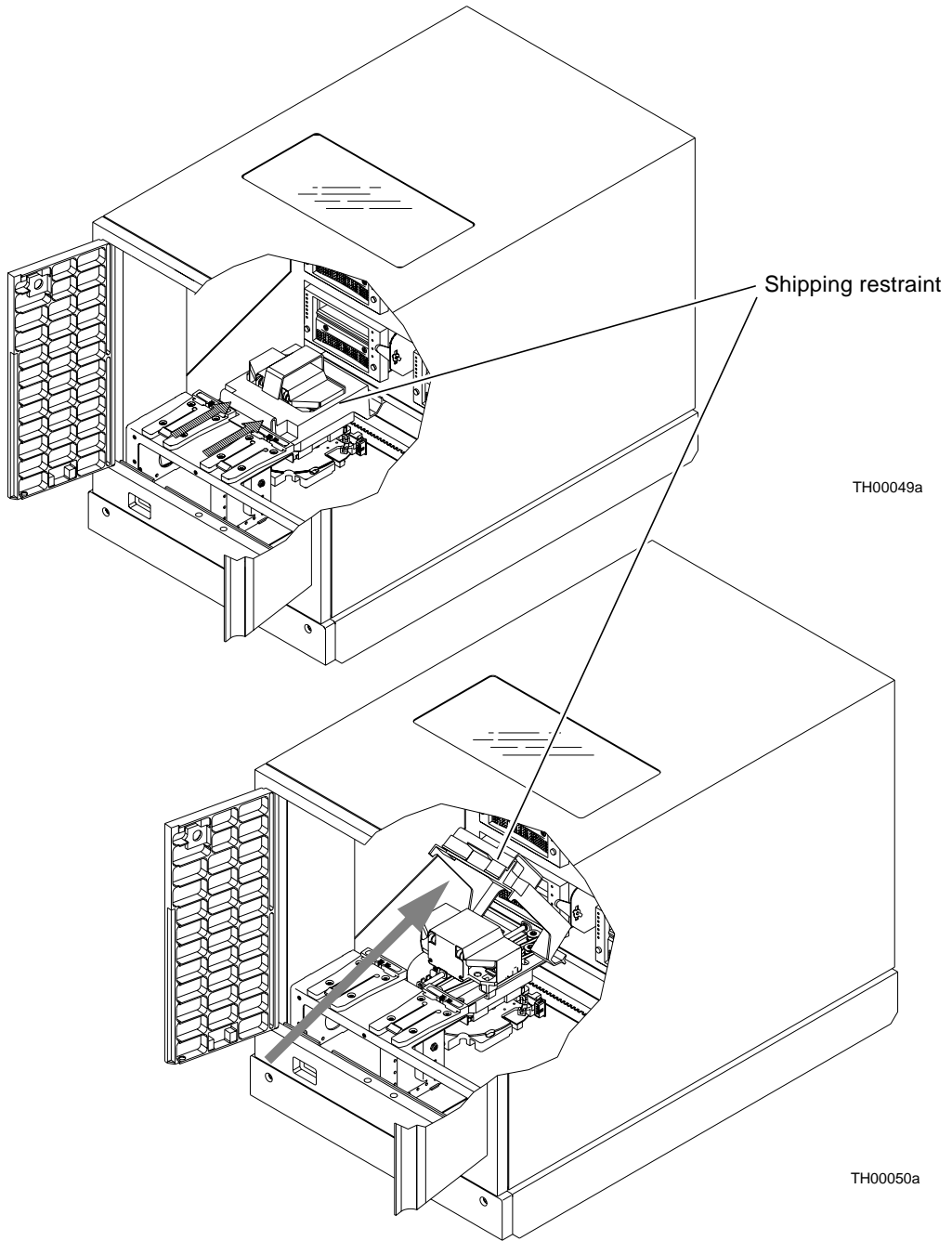
The tab on the shipping restraint (between the mounting blocks for the load and bulk packs) pops up, thereby releasing the shipping restraint from the load pack shelf. Then the back of the shipping restraint unhooks from the bottom drive shelf.

2. **Lift the shipping restraint off the extension axis assembly.**
3. **Raise the horizontal carriage and remove the foam block beneath it.**
4. **Lower the horizontal carriage to its normal position on the floor of the library.**

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**Note** – Retain the original shipping container and shipping bag, pallet, ramp, accessories tray, and all packing materials for future use. Store the key away from the library.

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**FIGURE 14** Removing the Robotics Packing Materials

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# Relocating or Reshipping the Library

If it becomes necessary to move the library from its installation site, whether down the hall or across the country, you need to protect the library from damage.

The level of protection depends upon how far you are moving the library:

**If you are rolling the library to a nearby installation site**, complete the procedures in these sections:

- Preparing the New Installation Site—page 21
- To Remove the Tape Cartridges—page 22
- To Install Internal Packing Materials—page 22
- Replacing the Load and Bulk Packs—page 23
- To Secure the Library Doors—page 24
- Relocating the Library—page 24

**If you are shipping the library to another location**, complete the procedures listed above and the ones in the following sections:

- Preparing for Shipment—page 24
- Placing the Cardboard Box Over the Library—page 25



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**Caution** – Two persons should perform any steps that involve lifting or guiding the library. Use safe practices when lifting or guiding the library and handling the slide assembly tray or the ramp.

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## Preparing the New Installation Site

Prepare the new site according to the guidelines provided in this document (see “Site Requirements” on page 4) and in the *Sun StorEdge L1000 User’s Guide*.

## ▼ To Remove the Tape Cartridges

1. **Unload and eject all tape cartridges from the tape drives.**
2. **Remove the bulk and load packs to access the cartridge bins.**
  - a. **Press the Load Pack button on the control panel.**
  - b. **Wait for the lock to release, then open the left door.**
  - c. **Press the release latch at the bottom of either pack (FIGURE 13).**
  - d. **Grasp a handle and gently pull the pack while pressing the release latch at the top of the pack.**
  - e. **Repeat STEP c and STEP d to remove the other pack.**
3. **Remove all tape cartridges from the library and pack them for shipment.**
4. **Turn off the library and disconnect all cables.**

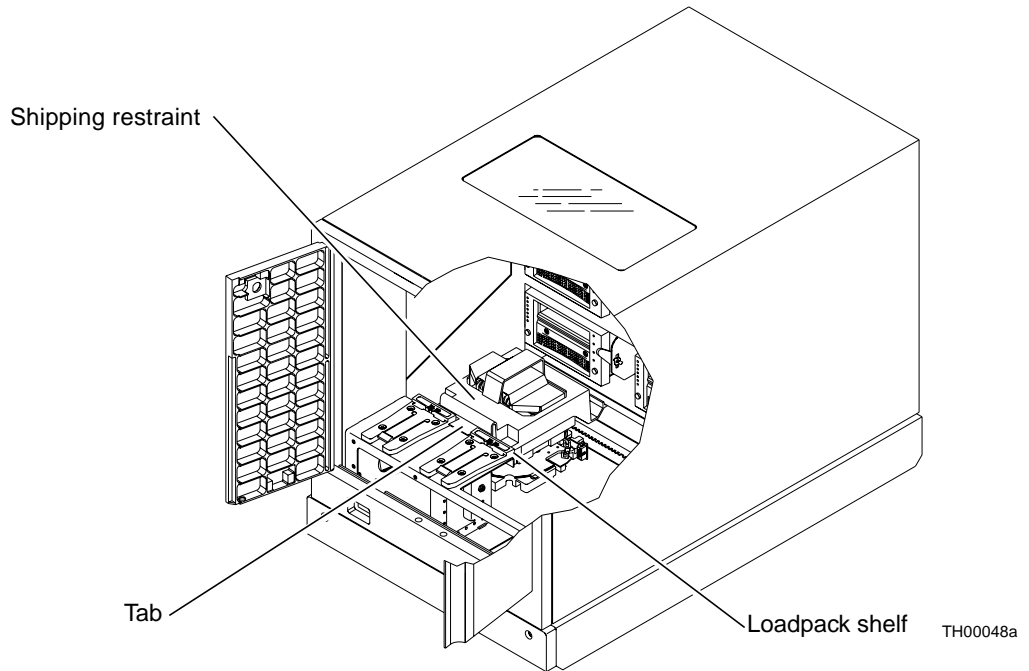
## ▼ To Install Internal Packing Materials

1. **If the gripper is not facing the front doors, reorient the extension axis.**

To do this, gently pull back on the gripper to unlock the extension axis and then rotate the extension axis in a clockwise direction until it locks into position facing the front doors.
2. **Push the gripper as far away from the front doors as possible, then pull the gripper approximately 3.8 cm (1.5 in.) forward.**
3. **Position the horizontal carriage so that the extension axis assembly is centered between the mounting blocks for the load and bulk packs.**
4. **Lift the horizontal carriage and place the large foam block between it and the floor of the library.**
5. **Gently lower the horizontal carriage, resting it on the foam block.**
6. **Insert the shipping restraint through the open doors at a downward angle, hooking the back of the restraint on the lower drive shelf.**
7. **Place the shipping restraint over the extension axis assembly, positioning the shipping restraint tab between the mounting blocks for the load and bulk packs.**
8. **Carefully push the shipping restraint down over the extension axis assembly.**

- 9. Push on the corners of the front edge of the shipping restraint until it snaps under the loadpack shelf and the tab is flush with the frame.**

If the tab is not completely flush with the frame (FIGURE 15), you cannot properly install the load and bulk packs.



**FIGURE 15** Aligning Shipping Restraint

## ▼ Replacing the Load and Bulk Packs

- 1. Insert a pack into the library, cartridge-edge first.**
- 2. Line up the pack with the mounting blocks on the top and bottom of the library frame.**
- 3. Slide the pack onto the mounting blocks until it snaps into place.**
- 4. Repeat STEP 2 and STEP 3 for the other pack.**

## ▼ To Secure the Library Doors

1. **Slip the cardboard inserts between the mounting blocks for the load pack and bulk packs and the chassis. (See FIGURE 12 on page 17.)**

The ends of the cardboard inserts slip between the release latch and the chassis.

2. **Close and lock the doors.**

## Relocating the Library

If you are relocating the library to a nearby site, you can now roll it to its destination. If the library is mounted in a rack with other devices, make sure that other devices also have adequate protection before rolling the rack unit to the new destination.

## Preparing for Shipment

If you are shipping the library, follow these additional instructions:

### ▼ To Prepare the Rackmount Library

1. **Place the foam supports (see FIGURE 11 on page 15) on the pallet and then position the bag over them.**
2. **Remove the slide assembly cosmetic panel.**
3. **Release the locking bracket at the front of the slide assembly.**

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**Note** – There is no need to remove the locking brackets on the slide assembly. However, if the slide assembly is locked into the rack with screws, the screws must be removed so that the slide assembly can be extended.

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4. **Remove the library from the slide assembly tray.**
  - a. **Extend the stabilizing feet at the bottom of the rack.**
  - b. **Extend the slide assembly tray.**
  - c. **Remove the six mounting screws that attach the library to the slide assembly tray.**
  - d. **With the help of a second person, lift the library off the slide assembly tray and move it to the pallet.**



5. **Enclose the library in the shipping bag and seal the bag with tape.**
6. **Remove the slide assembly tray and prepare for shipment.**
  - a. **Press the outer tabs on the extended slide assembly to release the tray from the slide rails.**
  - b. **If desired, insert a temporary support screw into each retma rail just below each slide assembly bracket.**

Use any long screws that fit in the retma rail holes. Allow the screws to extend from the retma rails at least 16 mm (0.625 inches) so they can support the slide rail mounting brackets.
  - c. **Remove the screws that mount the slide rails to the rack.**
  - d. **Remove the temporary support screws.**
  - e. **Reattach the slide rails to the slide tray.**
  - f. **Loosen the screws that hold the front and rear mounting brackets to the tray.**

When the screws are sufficiently loose, the front and rear mounting brackets can be retracted so the slide assembly will fit in the shipping box.
  - g. **Reattach the cosmetic panel to the front of the slide assembly tray.**
7. **Pack the slide assembly tray for shipping.**

## ▼ To Prepare the Standalone Library

1. **Attach the ramp to the shipping pallet and position the shipping bag on the pallet (see FIGURE 10 on page 14).**
2. **Roll the library onto the pallet and into the shipping bag.**
3. **Place foam supports between the library and the pallet (see FIGURE 9 on page 13).**
4. **Seal the bag with tape.**

## ▼ To Place the Cardboard Box Over the Library

1. **Place the cardboard box over the library and secure it to the pallet using the four clips (see FIGURE 7 on page 9).**
2. **Insert a foam support inside the box at each corner.**

For the standalone library, see FIGURE 7 on page 9.  
For the rackmount library, see FIGURE 8 on page 10.

- 3. Place the ramp (standalone library) or the slide assembly tray (rackmount library) on top of the library.**

Four square foam supports are provided for the slide assembly tray.

- 4. Place all accessories in the accessories tray and place the tray on top of the ramp or slide assembly tray.**

The accessory box prevents the ramp or slide assembly from moving around during transport.

- 5. Close the box and seal the box flaps with shipping tape.**

The library is now ready for shipment.