

# Quantum Scalar 50 Chassis Repacking Instructions

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## Introduction

This document explains how to repack the Quantum Scalar 50 library. Follow these instructions carefully to ensure the library is shipped properly.

**Note:** All Scalar 50 documentation is located on the Scalar 50 Documentation CD included in the library accessory kit.

**Caution:** This procedure requires the packing materials originally sent with the library for proper shipment. If you do not have the library packing materials, contact Quantum customer support for replacement packaging (800) 284-5101.

This procedure consists of the following steps:

- [Removing the Library from the Rack](#)
- [Installing the Internal Hand Restraint](#)
- [Packing the Library for Shipment](#)

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## Removing the Library from the Rack

To remove the Scalar 50 library from the rack:

**Note:** You must remove all tape cartridges from the library prior to parking the library hand for shipment.

- 1** Using the OCP, open the front doors, remove both tape cartridge magazines, and remove any tape cartridges from the fixed bins or FlexLink™ (refer to the *Quantum Scalar 50 User's Guide* PN 81-81768 for information on OCP operation and bin locations).

After removing the tape cartridge magazines and closing the doors, the library inventories all possible tape cartridge locations (magazines, fixed slots, Flexlink, and tape drives). This process takes several minutes.

- 2** From the **Library Operations** screen on the OCP, select **Park for Shipping**. The library shuts down automatically.

**Note:** If there are tape cartridges in the library, the system will NOT park the library hand. You must remove all tape cartridges from the system prior to parking the library hand.

- 3 From the back of the library, disconnect all power, Ethernet, and SCSI cables from the library and note their locations for later reinstallation.

**Warning:** This unit has more than one power supply cord. Disconnect all power supply cords before servicing to avoid electric shock.

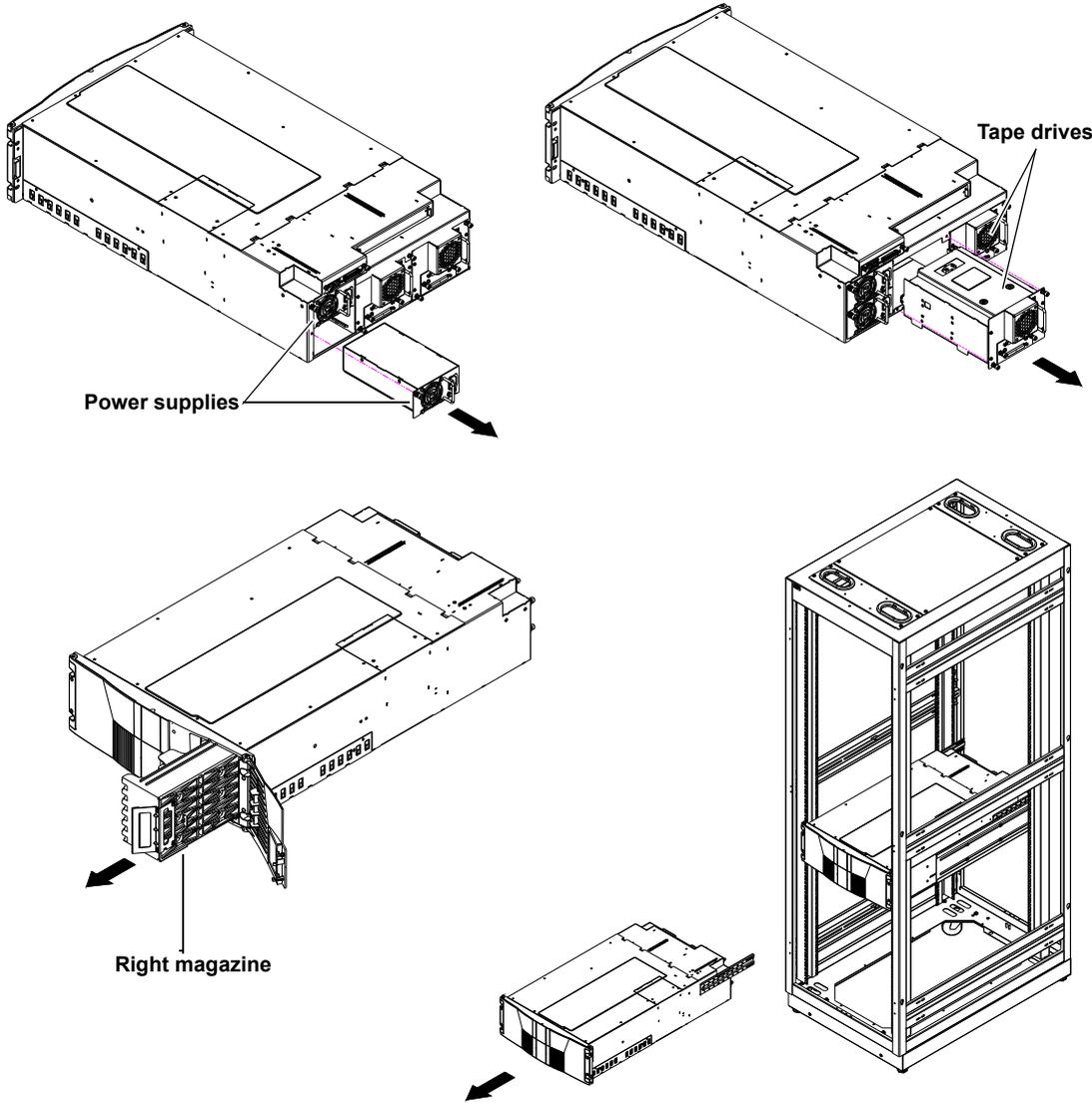
- 4 To remove the library chassis from the rack (see [figure 1](#)):

**Note:** Refer to the *Scalar 50 Quick Start Guide* (PN 81-81767) for additional Scalar 50 rack mount information.

- a Loosen the captive screws securing the tape drives to the chassis and remove the tape drive(s) from the back of the library.
- b Loosen the captive screw securing the power supplies to the chassis and remove the power supplies from the back of the library.
- c Remove Phillips screws securing each side of the chassis to the rack mounting rails and remove two Allen screws securing both clamps on the back of the library.
- d Remove the library from the rack.

**Warning:** At least two people are required to move the library chassis.

Figure 1 Removing the  
Scalar 50 Library



## Installing the Internal Hand Restraint

To ensure that the internal hand within the library is not damaged, you must install the internal hand restraint.

**Caution:** Failure to install the hand restraint may void your warranty.

To install the internal hand restraint:

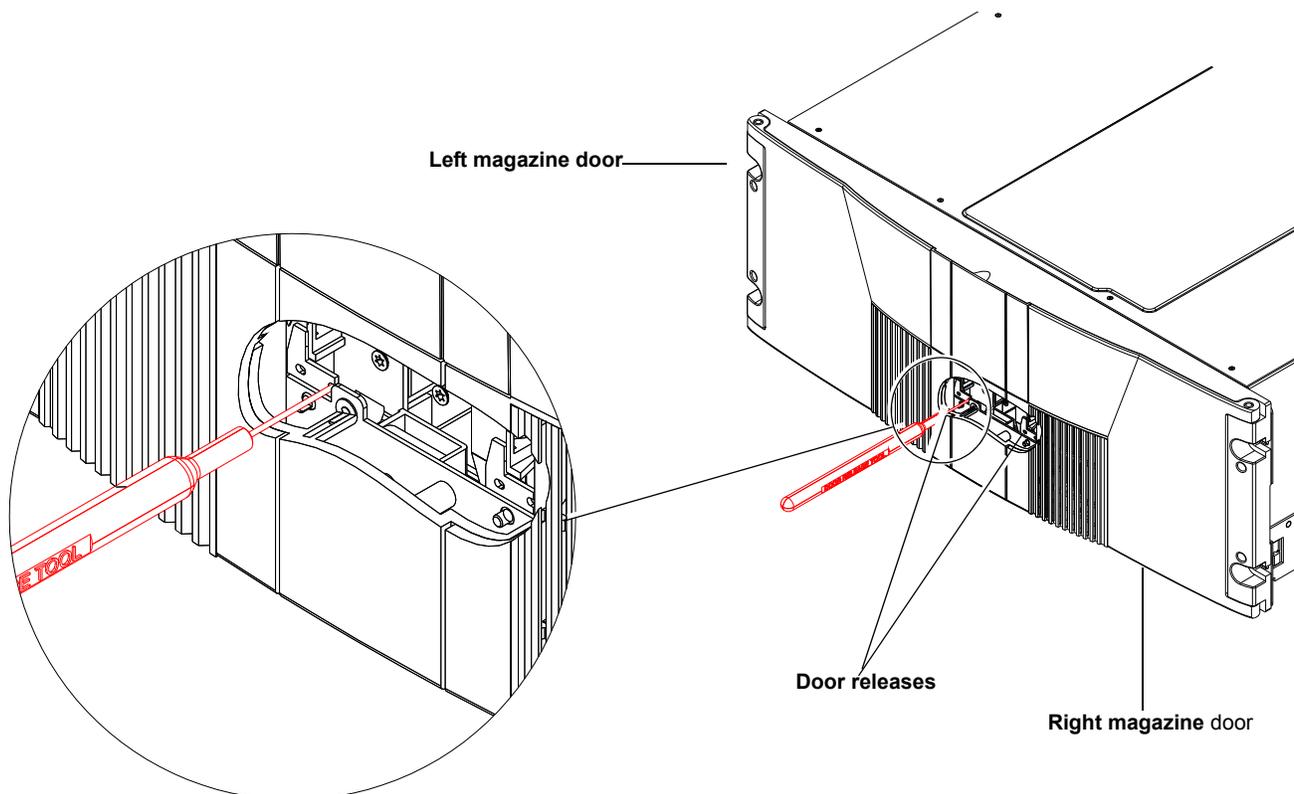
- 1 Place the library on a flat surface approximately waist high:

**Note:** If the bottom FlexLink cover has been removed, replace it before shipping the library back to Quantum.

- 2 Insert the emergency access tool included with the accessory kit into the release holes and trip the magazine door release for both the right and left magazine doors (see [figure 2](#)).

The magazine access doors open.

Figure 2 Opening the  
Right and Left Magazine  
Access Doors



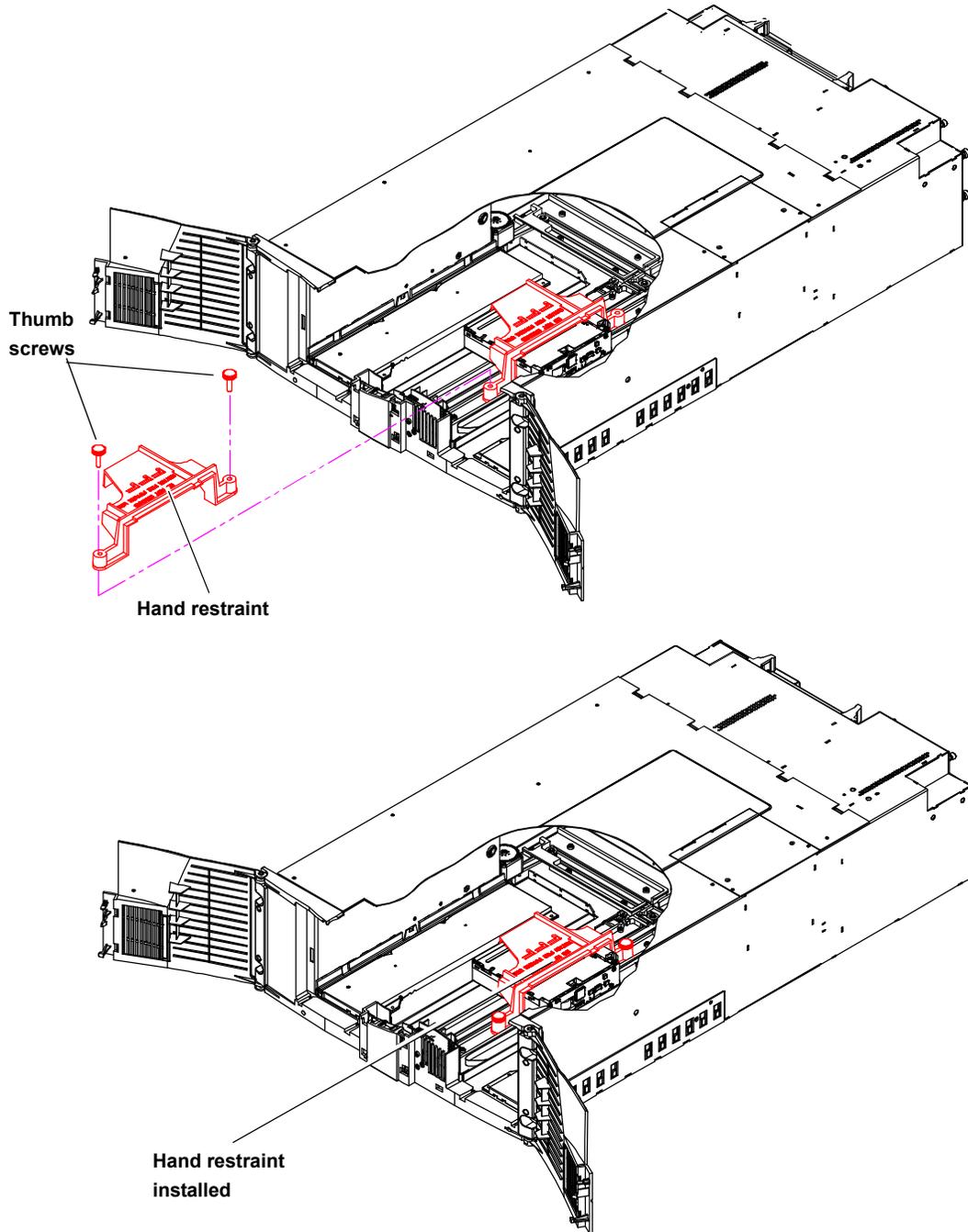
- 3 If the library is not operational and the **Park for Shipping** command was not executed, grasp the hand and gently move it to the front of the library.

**Caution:** Take standard ESD precautions when working within the library chassis.

**Note:** If there are any cartridges in the fixed bins, you can remove them now.

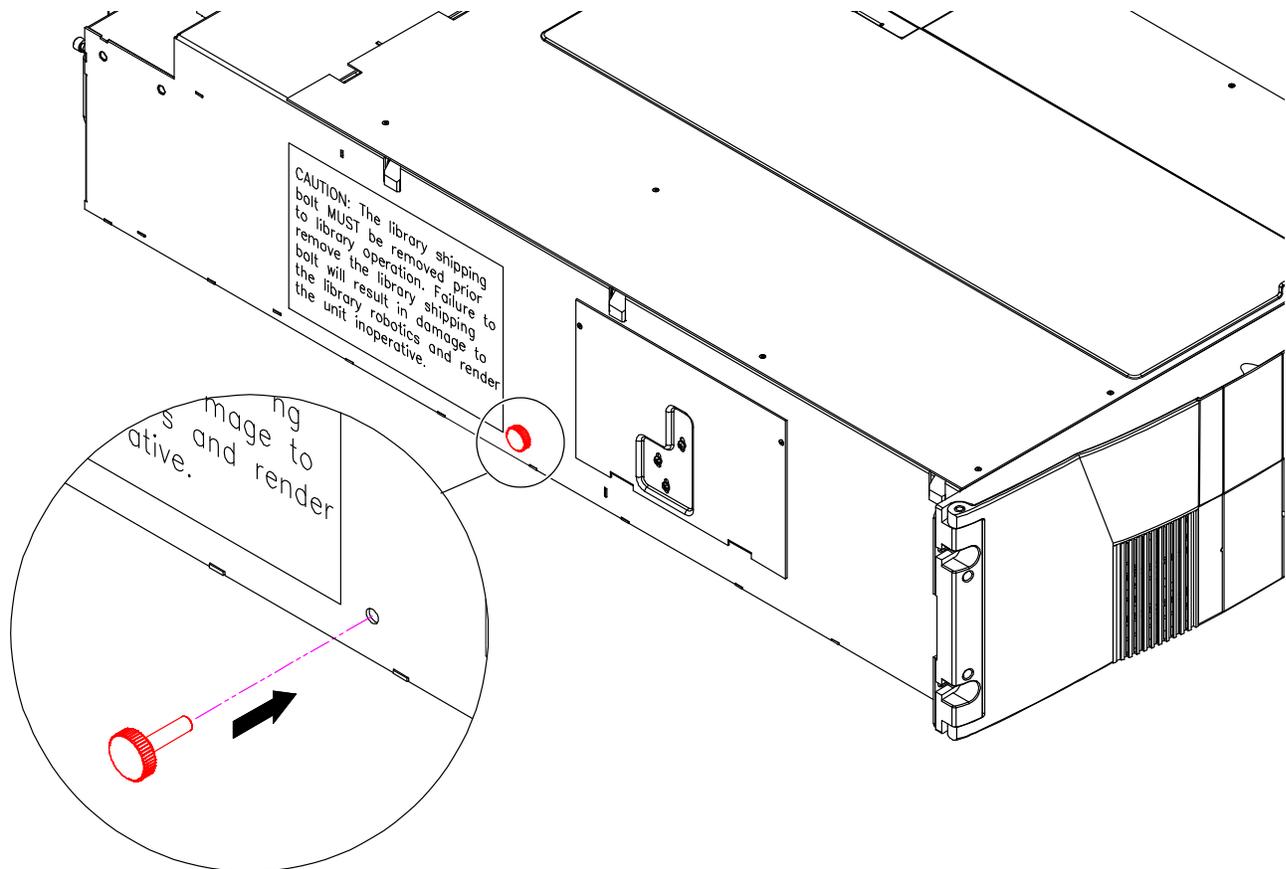
- 4 Install the robotic restraint over the hand and secure with two thumb screws [figure 3](#).

Figure 3 Installing the  
Hand Restraint



- 5 Replace the tape magazines and close the front doors.
- 6 Install the thumb screw restraint on the left-hand side of the library chassis (see [figure 4](#)).

Figure 4 Installing the Restraining Bolt



- 7 Install the tape drives, and power supplies previously removed in [Removing the Library from the Rack](#).
- 8 Install the tape cartridge magazines.

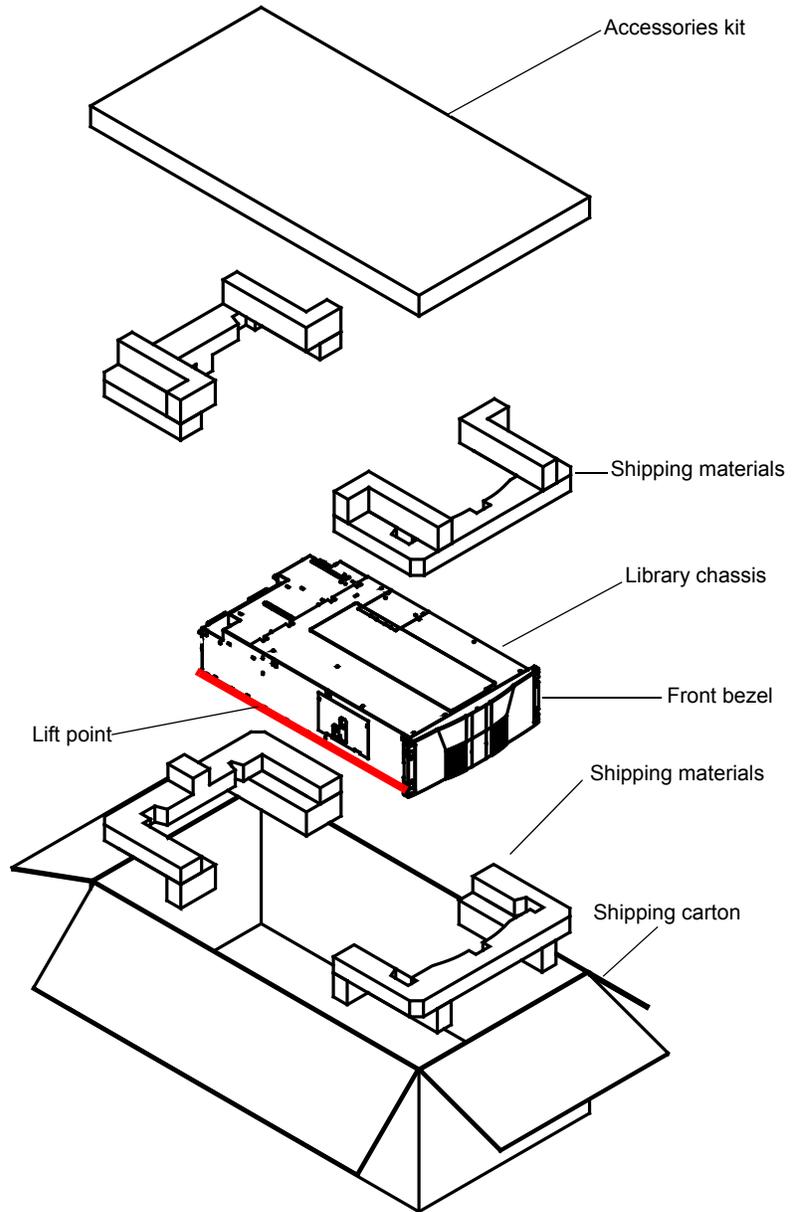
## Packing the Library for Shipment

- 1 Carefully place the library into the antistatic bag.
- 2 Package the library into the shipping carton as shown in [figure 5](#). Ensure that the library chassis is placed in an antistatic bag before placing the library in the shipping carton.

**Warning:** At least two people are required to move the library chassis.

**Caution:** Lift the library chassis at the sides. Avoid putting the weight of the library chassis on the front bezel.

Figure 5 Preparing the Library for Shipping



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