



Spectra Stack

Shipping Bracket Installation and Removal Guide



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Revision History

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ROBOTICS SHIPPING BRACKET INSTALLATION & REMOVAL

This document describes installing and removing the robotics shipping bracket in a Spectra Stack library. The bracket is only required when a Stack library is installed in a data center rack prior to shipping.

Estimated Time = 5 - 10 minutes

BEFORE YOU BEGIN

Before installing or removing the shipping bracket, make sure that you have addressed the following requirements.

Gather Materials and Tools

Required

- A #1 Phillips screwdriver
- A small screwdriver

Recommended

- An anti-static mat
- A static protection wristband or grounding footstrap

Ensure ESD Protection

The installation environment must be free of conditions that could cause electrostatic discharge (ESD). To protect the unit from ESD, follow these procedures when repairing or testing the product:

- Place a static protection mat on the work surface used while removing and installing components. Use a 1-megohm resistor to ground the static protection mat.

- Wear a static protection wristband or grounding footstrap whenever you handle components that have been removed from their anti-static bags. Connect the wristband to the static protection mat or to other suitable ESD grounding.

Note: Keep all electronic components in anti-static bags when not in use.

INSTALL THE SHIPPING BRACKET

Use the instructions in this section to install the robotics shipping bracket in the Spectra Stack tape library prior to shipping.

1. Remove the top cover.
 - a. Using a small screwdriver, press down on the release latch on the top of the chassis at the front.



Figure 1 Release the cover latch.

- b. Slide the top cover towards the front of the chassis until it contacts the screwdriver.
- c. Remove the screwdriver and slide the cover forward to release it from the chassis.
- d. Lift the cover off and set it aside.

- Using a #1 Phillips screwdriver, remove the two screws that secure the slot 5 drive bay cover.

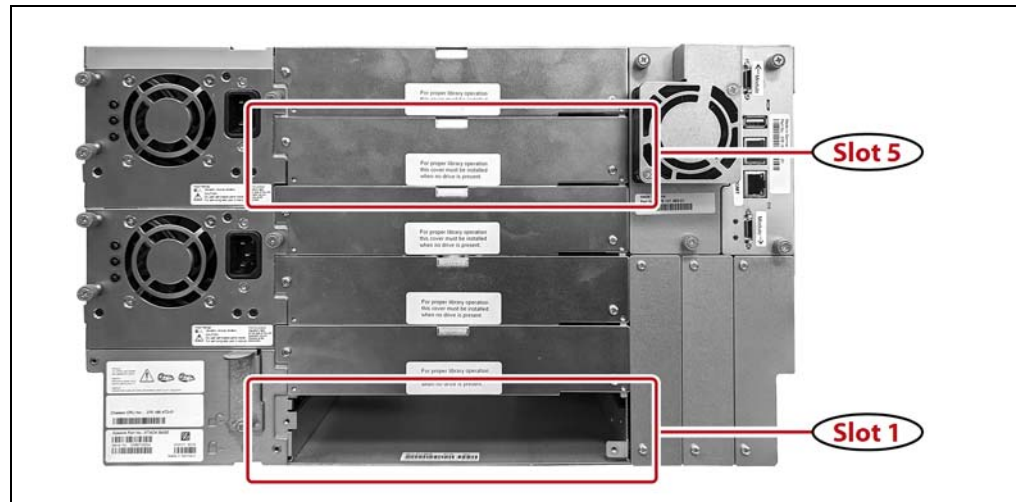


Figure 2 The rear of the Spectra Stack chassis.

- Move the drive bay cover to the slot 1 position at the bottom of the library.
- Using a #1 Phillips screwdriver, install the two screws you removed in Step 2 to secure the cover to the chassis.
- Locate the shipping lock inside the library at the front of the chassis.

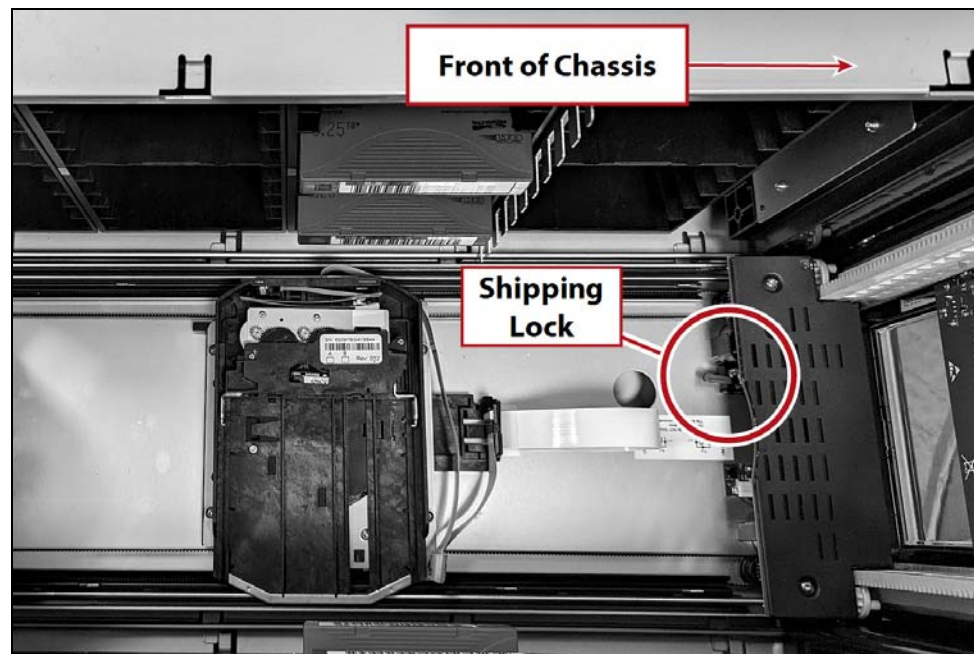


Figure 3 The shipping lock.

- To unlock the shipping lock, from the front of the chassis, slide the latch to the left (1), pull the latch toward the front of the chassis (2), then slide the latch to the right (3).



Figure 4 The shipping lock.

- Grasp the robotic module gently by the sides and pull up to raise the robotic elevator approximately one inch.



Figure 5 Grasp the robot as shown.

8. Using your fingers, raise the robotic elevator using the two cutout holes on both sides of the robot until it is level with the top of the library chassis. It takes approximately ten to 15 seconds to raise the robotic elevator fully.



Important

Do not raise the robotic elevator higher than the top of the chassis to avoid disengaging the elevator from the track.

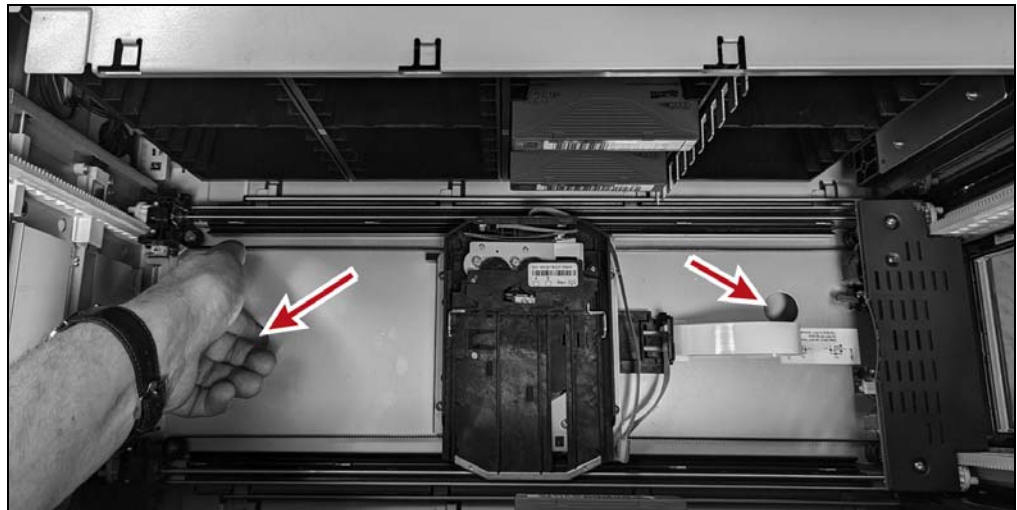


Figure 6 Use the cutout holes to raise the robotic elevator.

9. While holding the robotic elevator at the top of the chassis, install the robotic shipping bracket in the slot 5 drive bay (see [Figure 2 on page 6](#)).

Note: It may be helpful to have a second person install the bracket while you hold the elevator in place.
10. Using a #1 Phillips screwdriver, remove the two screws under the handle of the robotic shipping bracket (1) and install the two screws at the ends of the shipping bracket to secure it to the chassis (2).

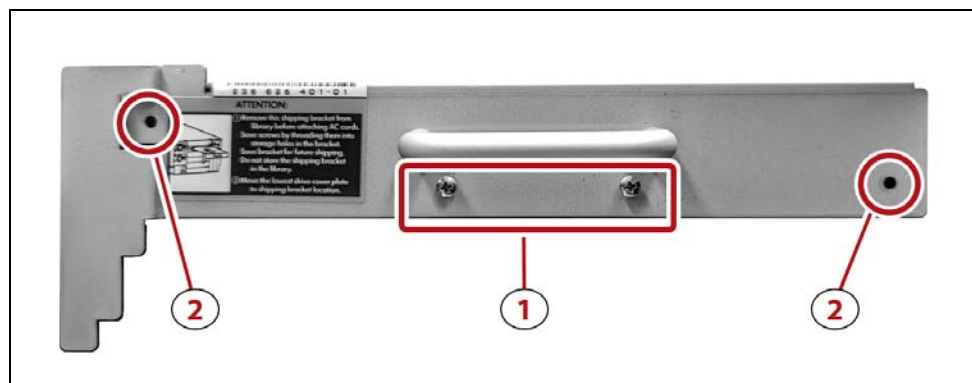


Figure 7 The robotics shipping bracket rear panel.

11. Once the bracket is in place, release the elevator and allow it to rest on the robotic shipping bracket.

12. Locate the shipping lock inside the library at the front of the chassis.

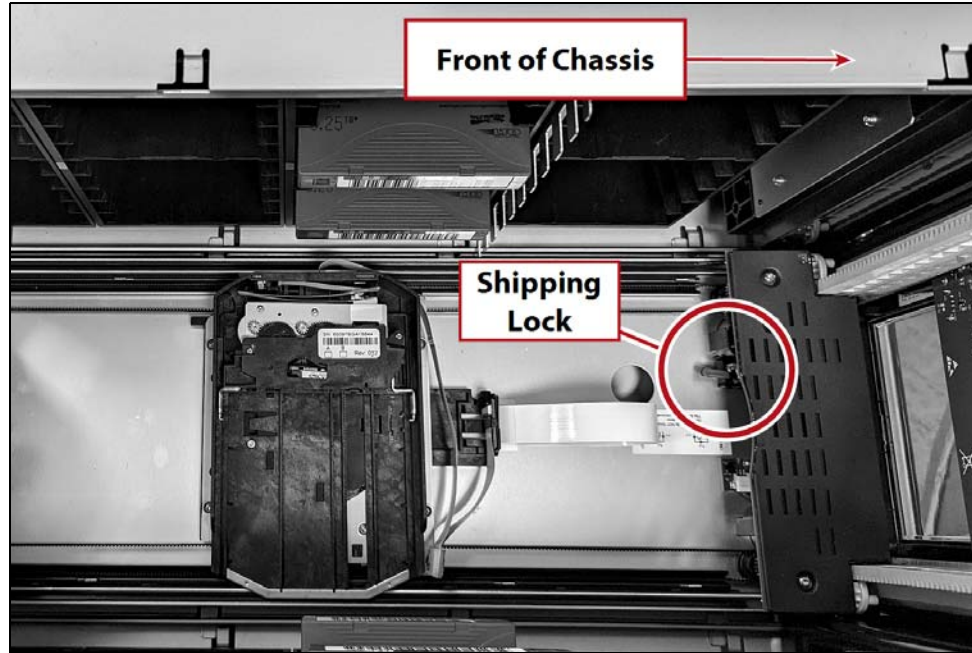


Figure 8 The shipping lock.

13. To engage the shipping lock, from the front of the chassis, slide the latch to the left (1), pull the latch toward the rear of the chassis (2), then slide the latch to the right (3).



Figure 9 The shipping lock.

14. Position the cover over the opening in the chassis so that the tabs on the sides of the cover align with the slots in the chassis, and slide the cover towards the rear of the chassis until it locks in place.

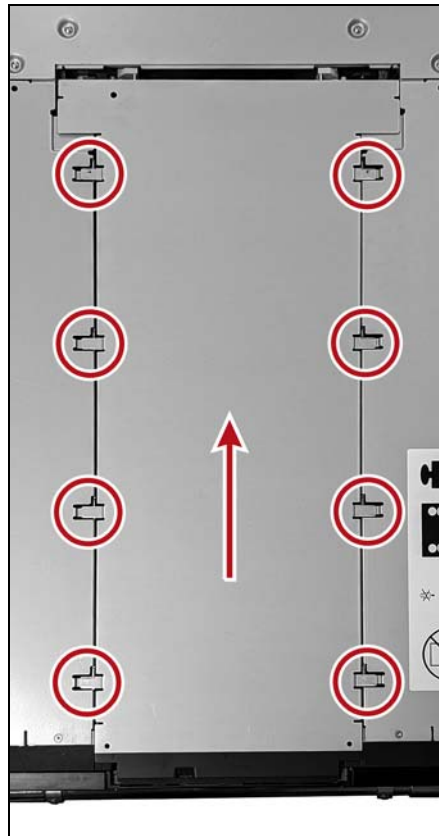


Figure 10 The top cover.

REMOVE THE SHIPPING BRACKET

Use the instructions below to remove the shipping bracket after the library is installed in the data center.



Important

You must remove the bracket prior to powering on the library to avoid an initialization failure.

1. Remove the top cover.
 - a. Using a small screwdriver, press down on the release latch on the top of the chassis at the front.



Figure 11 Release the cover latch.

- b. Slide the top cover towards the front of the chassis until it contacts the screwdriver.
 - c. Remove the screwdriver and slide the cover forward to release it from the chassis.
 - d. Lift the cover off and set it aside.

2. Locate the shipping lock inside the library at the front of the chassis.

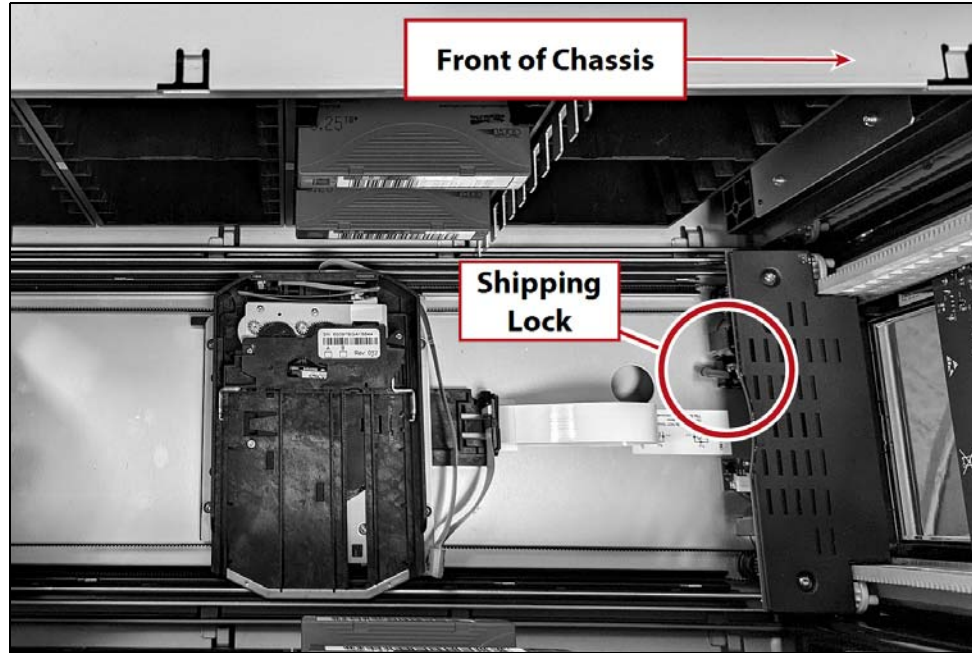


Figure 12 The shipping lock.

3. To unlock the shipping lock, from the front of the chassis, slide the latch to the left (1), pull the latch toward the front of the chassis (2), then slide the latch to the right (3).



Figure 13 The shipping lock.

4. Using a #1 Phillips screwdriver, remove the two screws that secure the shipping bracket to the chassis (2) and install the screws under the handle of the robotic shipping bracket (1).

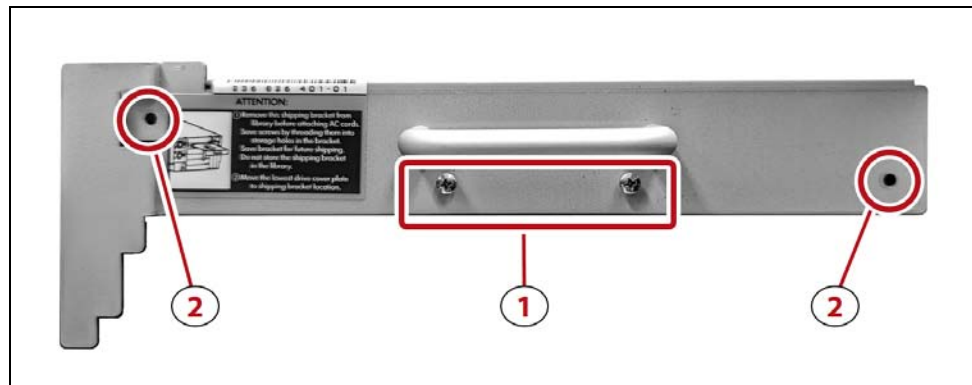


Figure 14 The robotics shipping bracket rear panel.

5. Using your finger, hold the robotic elevator in place (see [Figure 6 on page 8](#)) while you pull the shipping bracket out of the chassis.
6. Release the elevator and allow it to slowly descend to the bottom of the chassis.
7. Store the bracket and screws for use if you need to move the library after installation.
8. Using a #1 Phillips screwdriver, remove the two screws that secure the slot 1 drive bay cover.

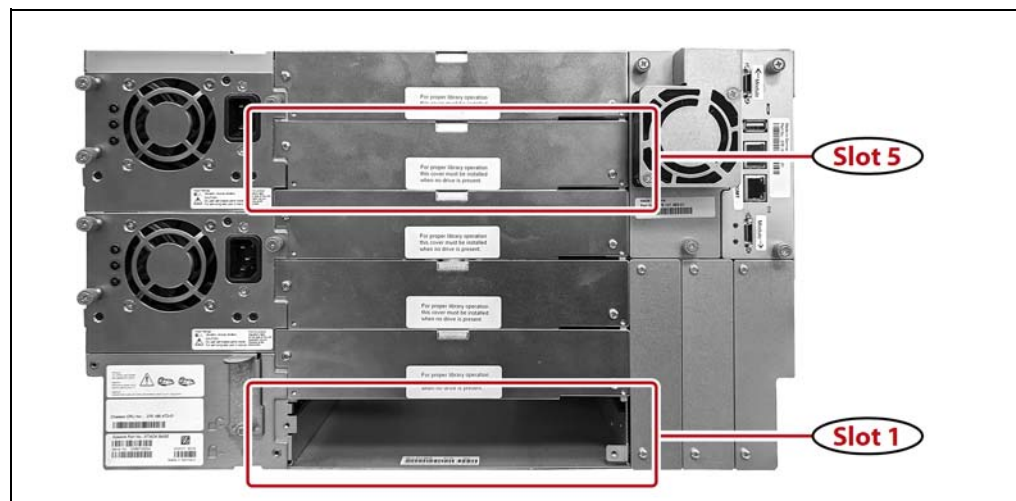


Figure 15 The rear of the Spectra Stack chassis.

9. Move the drive bay cover to the slot 5 position in the library.
10. Using a #1 Phillips screwdriver, install the two screws you removed in [Step 8](#) to secure the cover to the chassis.

11. Replace the top cover.

Note: Replacing the top cover is only necessary if the Stack base module is the top-most chassis in the rack.

- a. Position the cover over the opening in the chassis so that the tabs on the sides of the cover align with the slots in the chassis.

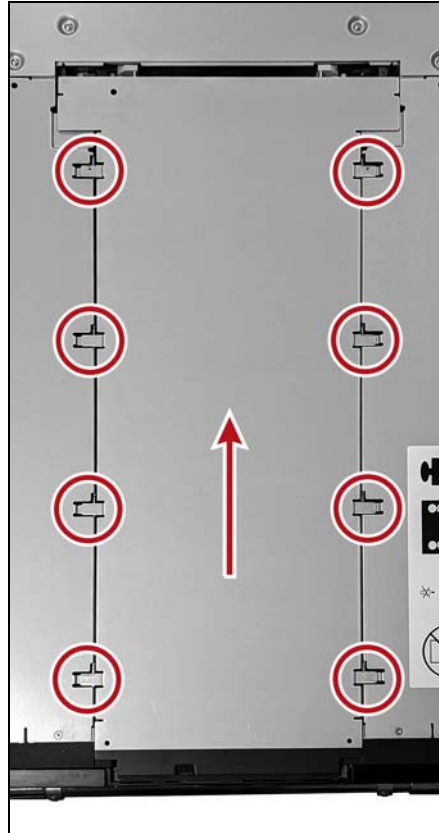


Figure 16 The top cover.

- b. Slide the cover towards the rear of the chassis until it locks in place.