
Converting a Standalone Library to a Rack-Mount Library

(Exabyte 210, Exabyte 218, and Exabyte 220 Libraries)

Contents

1	About these instructions.....	2
2	Before you begin	4
3	Contents of the rack conversion kit	4
4	Removing the housing from the standalone model	5
5	Removing the service access cover	7
6	Removing the standalone front panel	8
7	Removing the pedestal	10
8	Installing the latch.....	12
9	Installing the rack-mount front panel	13
10	Replacing the service access cover	14
11	Installing the rails	14
12	Installing the library into a rack	16



Copyright

Copyright 1994 – 1999 by Exabyte Corporation. All rights reserved. This item and the information contained herein are the property of Exabyte Corporation. No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without the express written permission of Exabyte Corporation, 1685 38th Street, Boulder, Colorado 80301.

Trademark Notices

Exabyte, Exafacts, Exapak, Exasoft, and Exatape are registered trademarks of Exabyte Corporation. Arrowhead, Eliant, and SupportSuite are trademarks of Exabyte Corporation. All other product names are trademarks or registered trademarks of their respective owners.

Revision History

000	September 1994	Initial release.
001	July 1999	Updated to include the Exabyte 220 library.

1 About these instructions

These field instructions provide detailed steps for converting a standalone Exabyte® 210, 218, or 220 library to a rack-mount library.

These steps include:

- Removing the housing from the standalone model
- Removing the service access cover
- Removing the standalone front panel
- Removing the pedestal
- Installing the latch
- Installing the rack-mount front panel
- Replacing the service access cover
- Installing the rails
- Installing the library into a rack

► **Important** If you are converting an older standalone Exabyte 210 library, with a CEI label like the one shown in Figure 1, the TLA dash number must be 002 or higher. The TLA dash number is displayed on the CEI label on the back of the library, with previous levels crossed out.

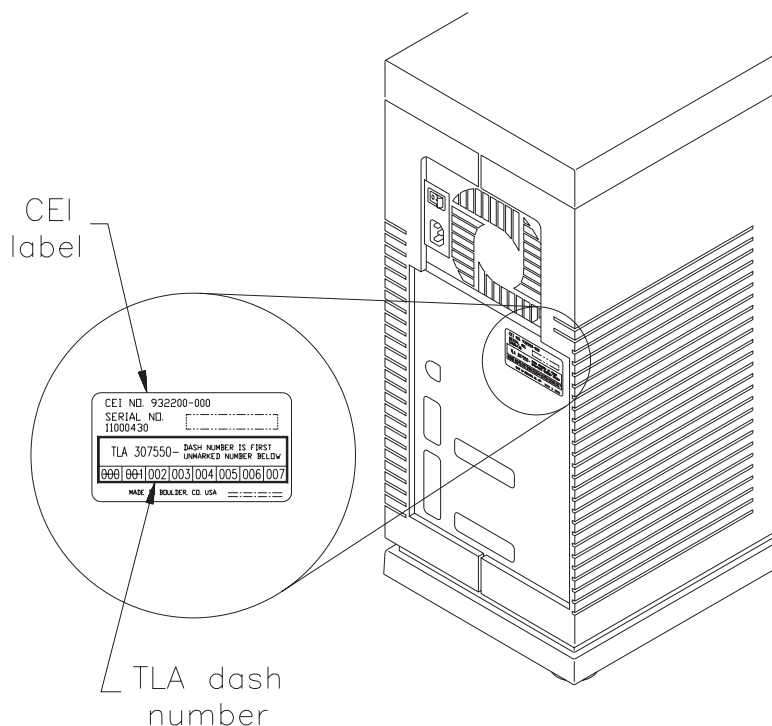


Figure 1 TLA dash number 002 on the back of older Exabyte 210 libraries

2 Before you begin

- Make sure the work environment is free of conditions that could cause electrostatic discharge (ESD). If possible, use an antistatic mat and a grounded static protection wristband during installation. If a mat and a wristband are not available, touch a known grounded surface, such as the computer's metal chassis.
- Power off the library and disconnect the power cord and SCSI cables from the back.
- Obtain the following tools:
 - Torque limiting screwdriver
 - T-10 TORX bit
 - T-15 TORX bit
 - T-20 TORX bit
 - T-25 TORX bit
 - Phillips bit (some models)

3 Contents of the rack conversion kit

The rack-mount conversion kit contains the following:

- Rack-mount front panel
- Latch (with two M4-0.7 × 5mm screws and two nuts)
- Front and rear rack-mount slide assembly
- Six 6-23 × 0.25 screws (attach front panel to the library)
- Eight 8-23 × 0.25 screws (attach chassis slide rails to the library)
- Eight 10-32 × 0.5 screws (attach rack slide rails to the rack)
- Eight 10-32 clips nuts (required if the rack does not have threaded holes)

Note: You must provide your own rack. The library uses a standard EIA 19-inch rack. For best results, use a rack with extension support legs.

WARNING!

Before performing any of the following steps, be sure that the power switch is off and the power cord is disconnected from the library.

4 Removing the housing from the standalone model

To remove the housing from the standalone model:

1. Using a T-20 TORX bit (earlier models may require a Phillips bit), remove the two screws from the back of the top cover (see Figure 2).

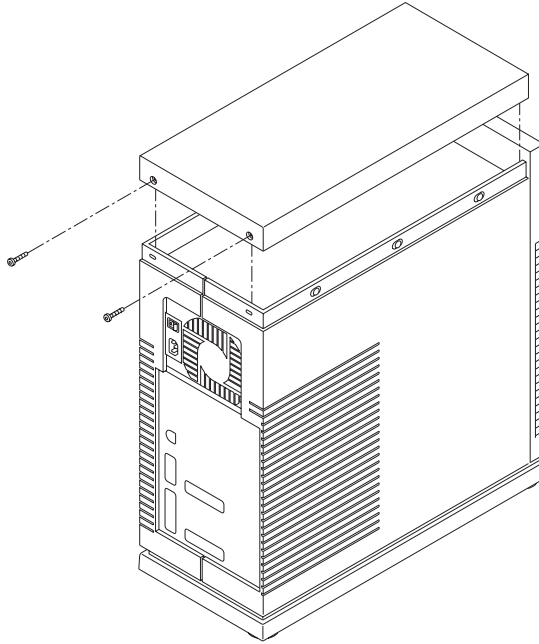


Figure 2 Removing the top cover from the standalone model

2. From the rear, push up on the top cover and pull it toward the rear until the front lip of the cover disengages from the front panel. Remove the cover.

3. Using a T-20 TORX bit, remove the three screws from the top of each of the side panels and remove the panels, as shown in Figure 3.
4. Using a T-20 TORX bit (earlier models may require a Phillips bit), remove the six screws from the top plate and remove the plate, as shown in Figure 3.

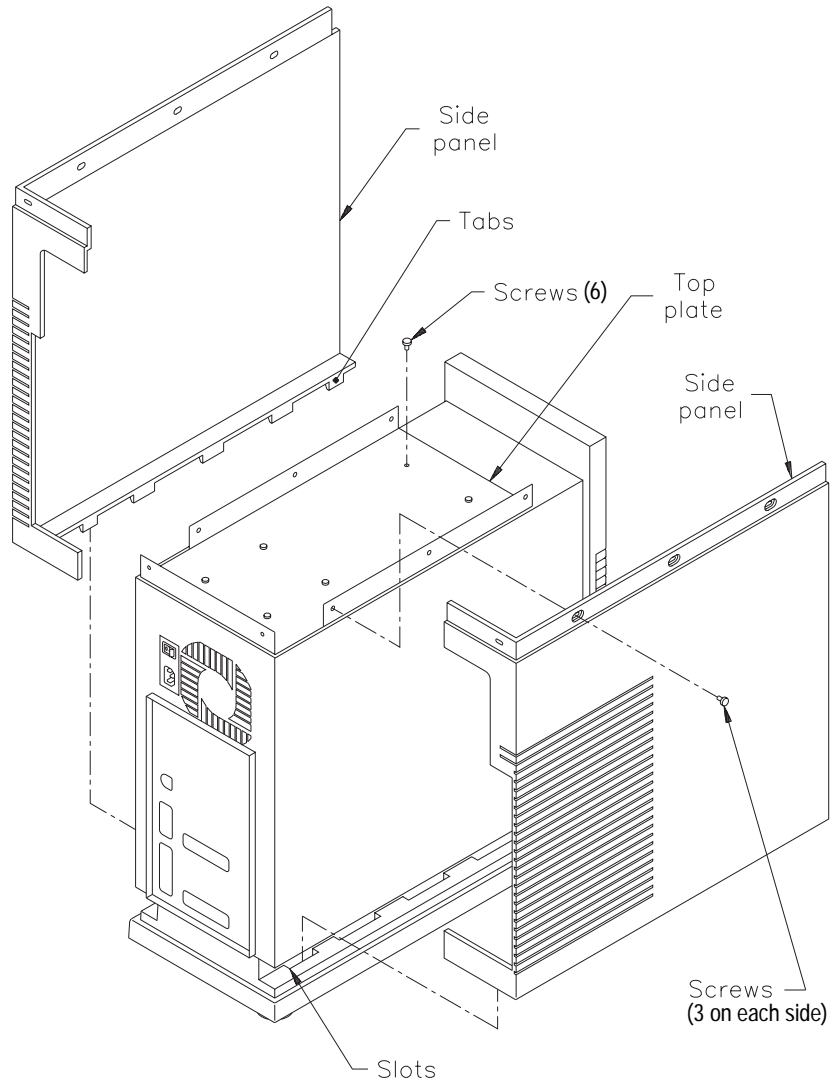


Figure 3 Removing the side panels and top plate from the standalone model

5 Removing the service access cover

To remove the service access cover:

1. Using a T-10 TORX bit (earlier models may require a Phillips bit), remove the four screws from the service access cover, as shown in Figure 4.

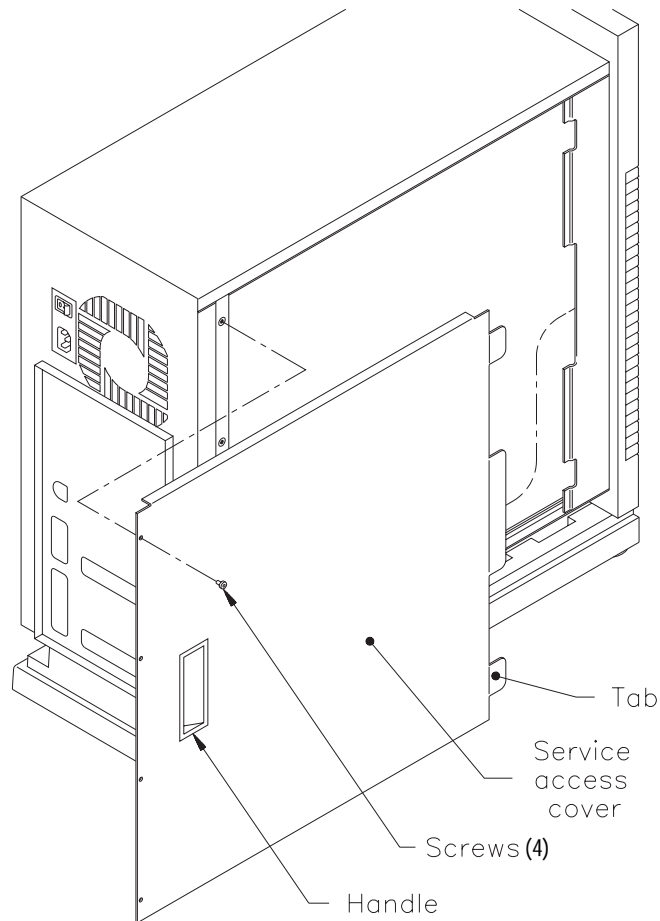


Figure 4 Removing the service access cover

2. Pull up on the handle and slide the cover away from the front panel. Lift it off the chassis.

6 Removing the standalone front panel

To remove the front panel from the standalone library:

1. Using a T-8 TORX bit, remove the two screws from the cable brace and lift the brace out of the library (see Figure 5).
2. Disconnect the operator panel cable from the front panel by pressing the release and pulling on the connector.

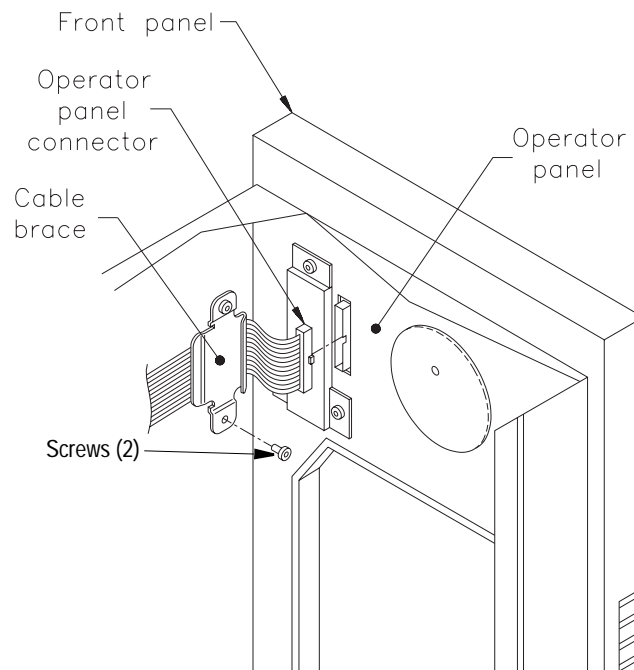


Figure 5 Removing the operator panel cable from inside the front panel

3. Open the front door and use a T-10 TORX bit to remove the five screws from around of the panel (see Figure 6).

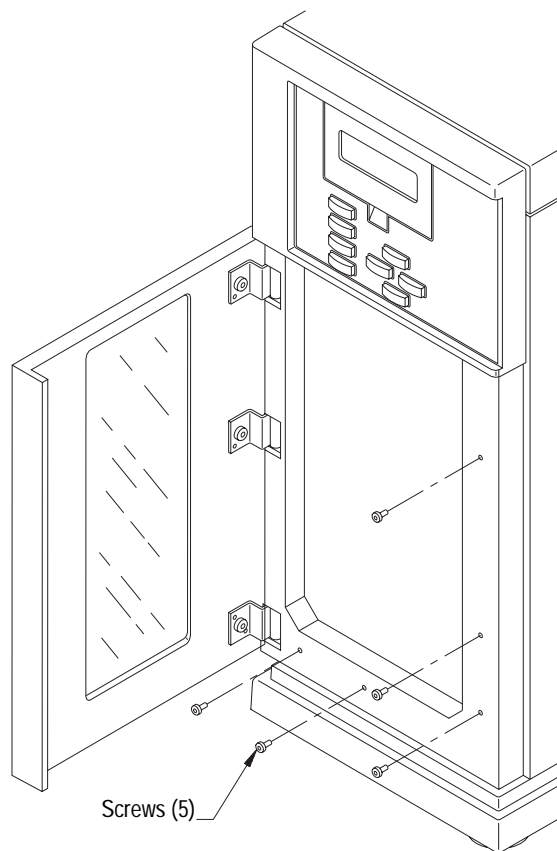


Figure 6 Removing the screws from the standalone front panel

4. Using a T-10 TORX bit, remove the three screws that secure the top of the front panel to the chassis, as shown in Figure 7.

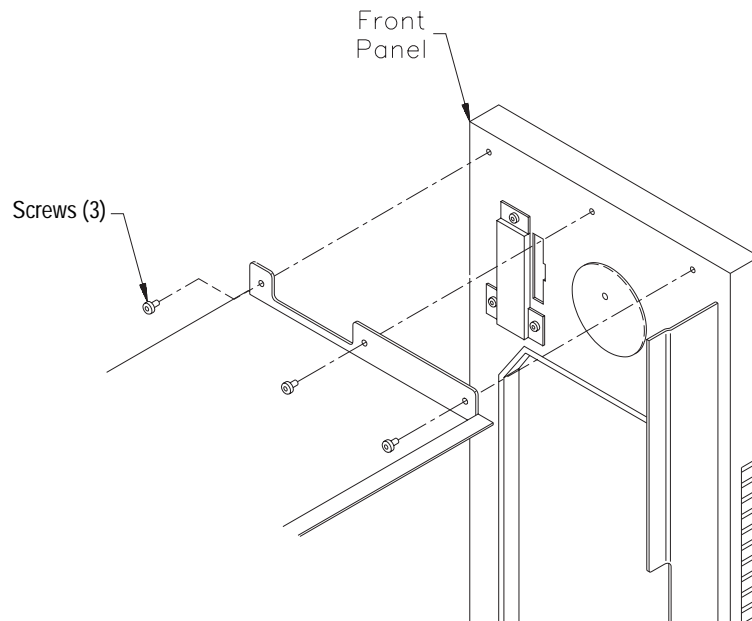


Figure 7 Removing the screws from the standalone front panel

7 Removing the pedestal

To remove the pedestal:

1. Position the library on its side with the bottom of the library (the pedestal) protruding from your work surface, as shown in Figure 8.

2. Using a T-20 TORX bit (earlier models may require a Phillips bit), remove the eight screws from underneath the library pedestal (see Figure 8). Pull the pedestal off the library.

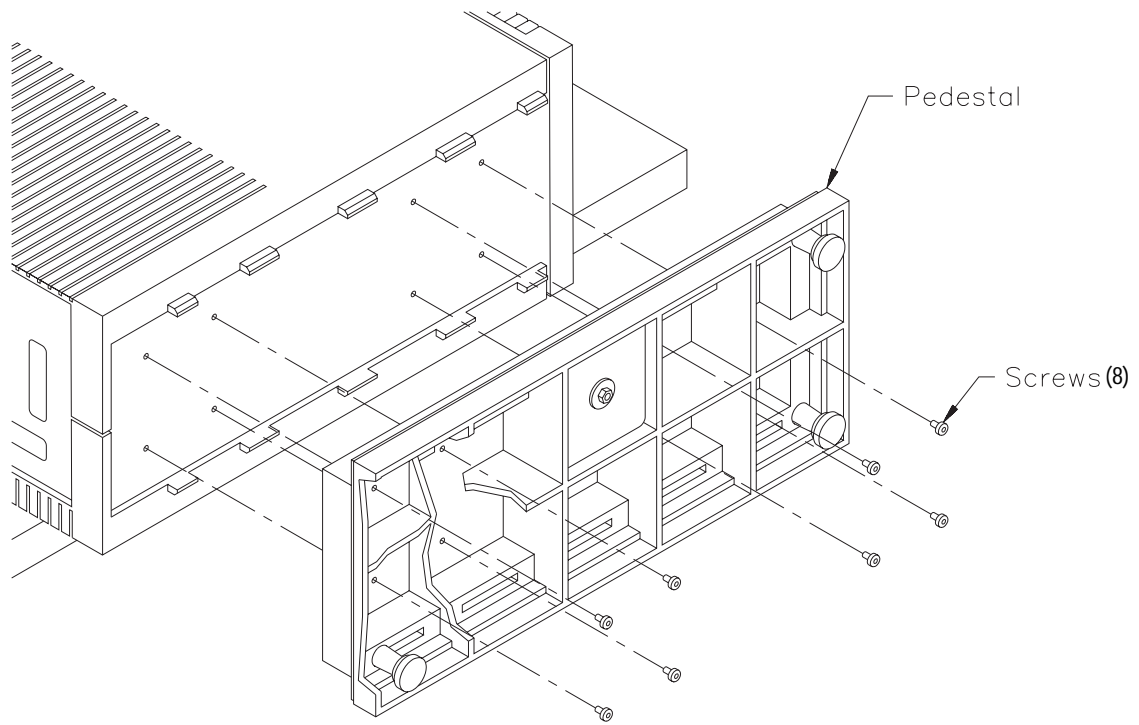


Figure 8 Removing the pedestal from the standalone model

8 Installing the latch

Using a T-20 TORX bit and two M4-0.7 × 10mm screws (older models may also require hex nuts, as shown in Figure 9) attach the latch to the left side of the chassis (when viewed from the front), as shown in Figure 9 (older models) and Figure 10 (newer models). Tighten the screws to 12.0 inch-pounds (13.8 kg-cm) of torque.

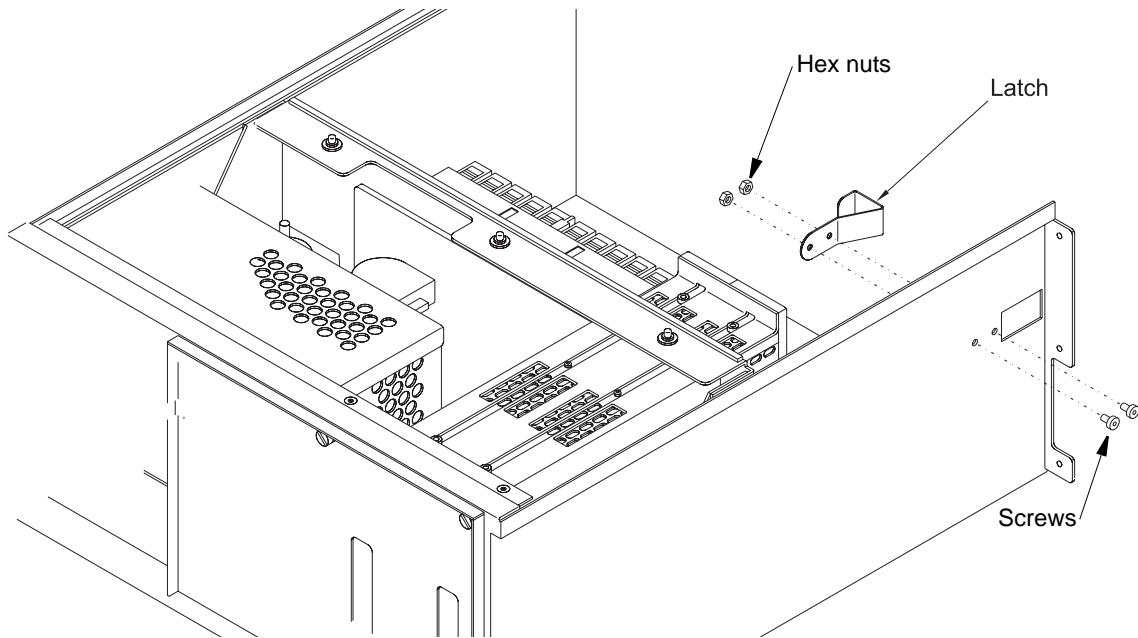


Figure 9 Installing the latch on older models

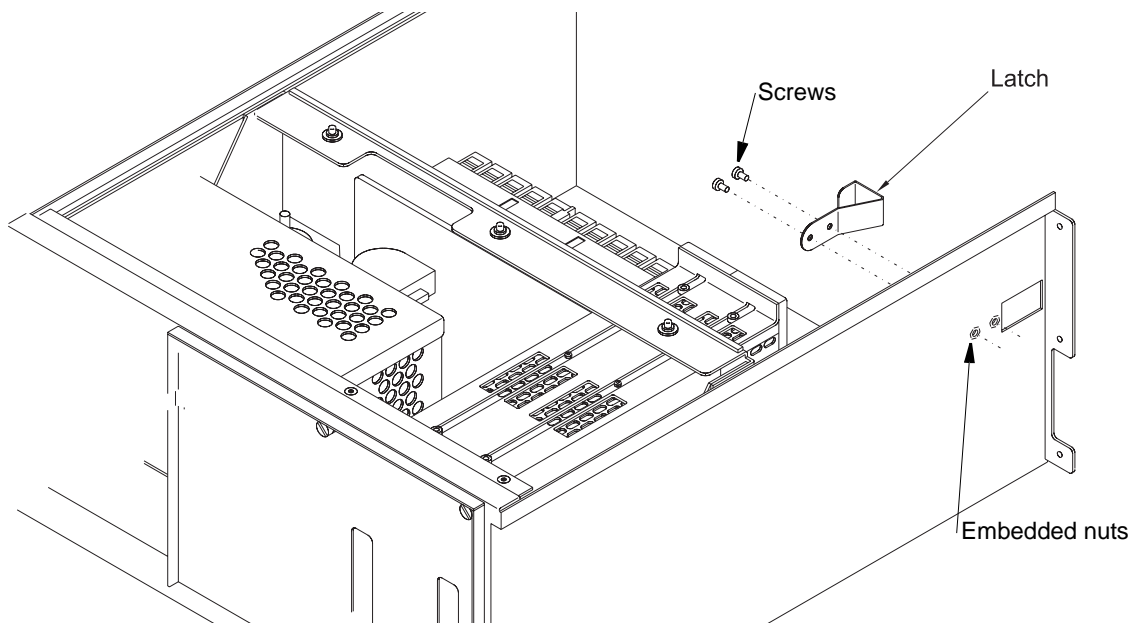


Figure 10 Installing the latch on newer models

9 Installing the rack-mount front panel

To install the rack-mount front panel:

1. Using the screw holes for guidance, position the front panel on the front of the library (see Figure 11).
2. Using a T-10 TORX bit and six 6-32 \times 0.25 screws, secure the front panel to the chassis, as shown in Figure 11. Tighten the screws to 8.0 inch-pounds (9.2 kg-cm) of torque.

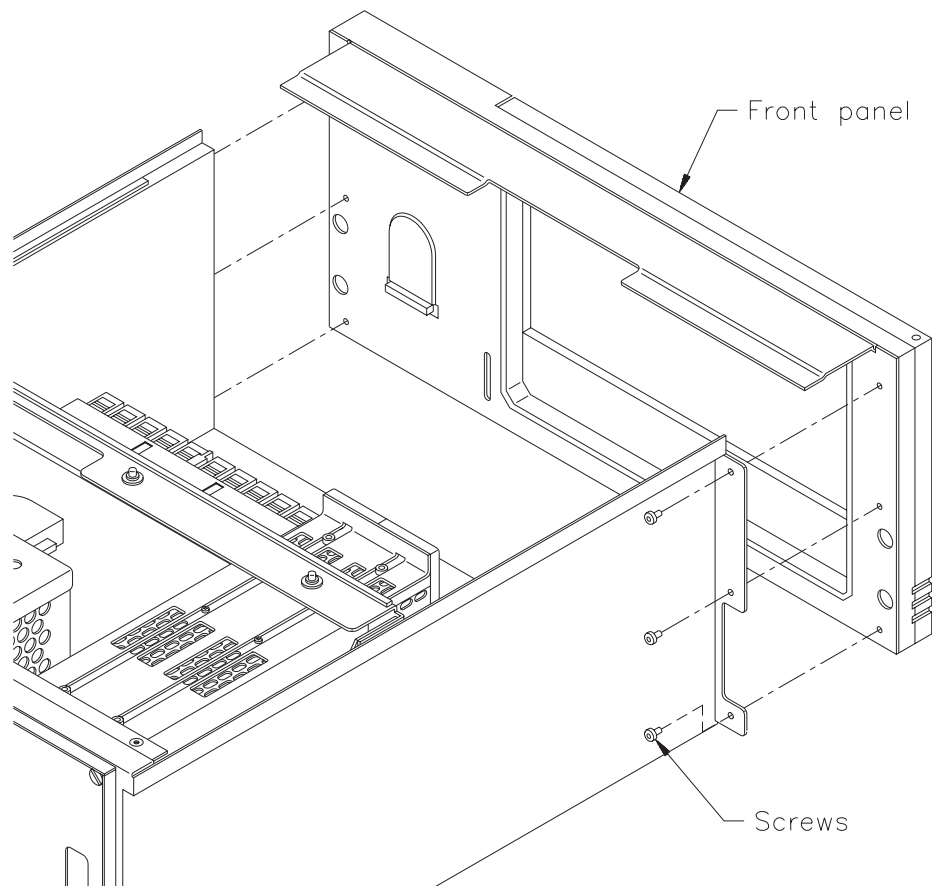


Figure 11 Installing the rack-mount front panel

3. Reattach the operator panel cable (see Figure 5).
4. Using a T-8 TORX bit and two screws, secure the cable brace to the chassis (see [Figure 5](#)).

10 Replacing the service access cover

To replace the service access cover:

1. Position the service access cover on top of the library with the handle toward the back. Slide the tabs into the slots on the front panel (see [Figure 4](#)) and position the cover over the chassis.
2. Using a T-10 TORX bit (some models may require a Phillips bit) and four 6-32 \times 0.250 screws, secure the service access cover to the chassis. Tighten the screws to 8.0 inch-pounds (9.2 kg-cm) of torque (see [Figure 4](#)).

11 Installing the rails

To install the slide rails:

1. Locate the rack-mount assembly included with your kit. Separate the rack slide rails from the chassis slide rails by sliding the rack slide rails out from the grooves.
2. Press the spring clip to release the latch and remove the chassis slide rail from the rack slide rail, as shown in [Figure 12](#).

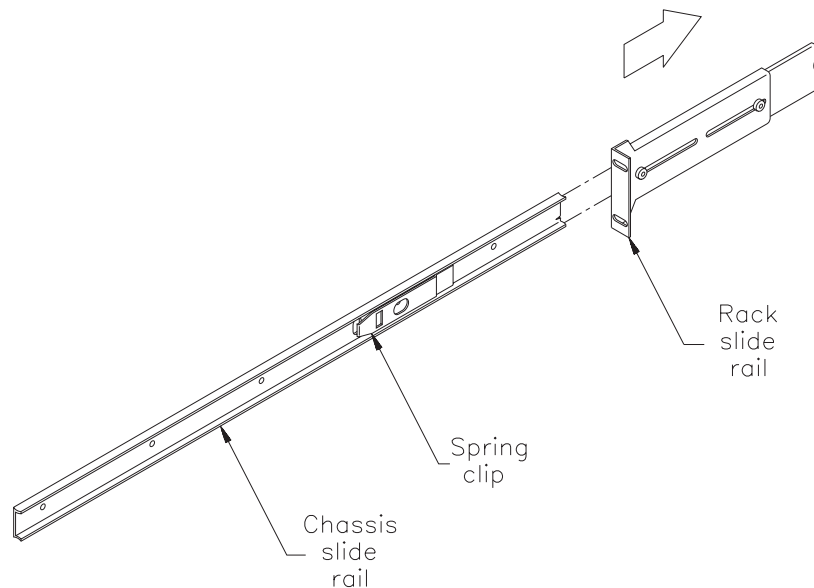


Figure 12 Separating the rack slide rail from the chassis slide rail

3. Using a T-15 TORX bit and four $8-32 \times 0.25$ screws, attach the chassis slide rails to each side of the library, as shown in Figure 13. (If two rows of screw holes are present on the sides of the library, use the lower set.) Tighten the screws to 8.0 inch-pounds (9.2 kg-cm) of torque.

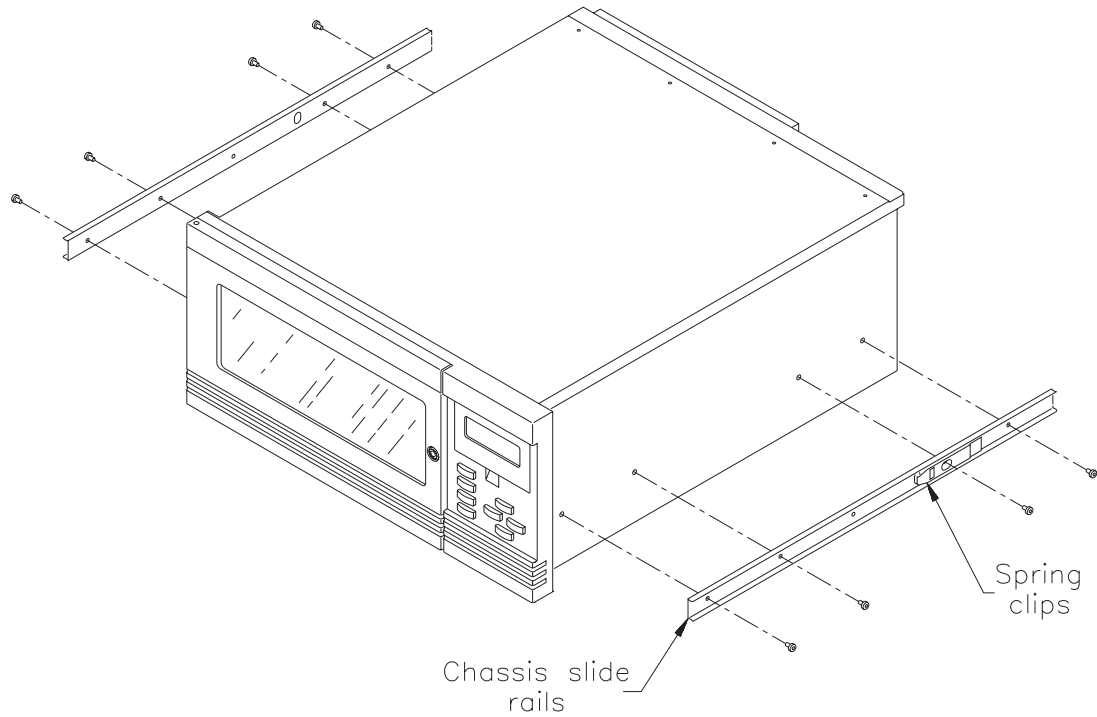


Figure 13 Installing the chassis slide rails

12 Installing the library into a rack

To install the library into a rack or cabinet:

1. Locate the mounting holes on the rack where you want to install the library. Allow 1 1/2 inches (3.8 cm) minimum clearance below the bottom mounting hole.

Note: If the rack does not have threaded holes, attach the clip nuts provided with the rack-mount assembly over the mounting holes, as shown in Figure 14.

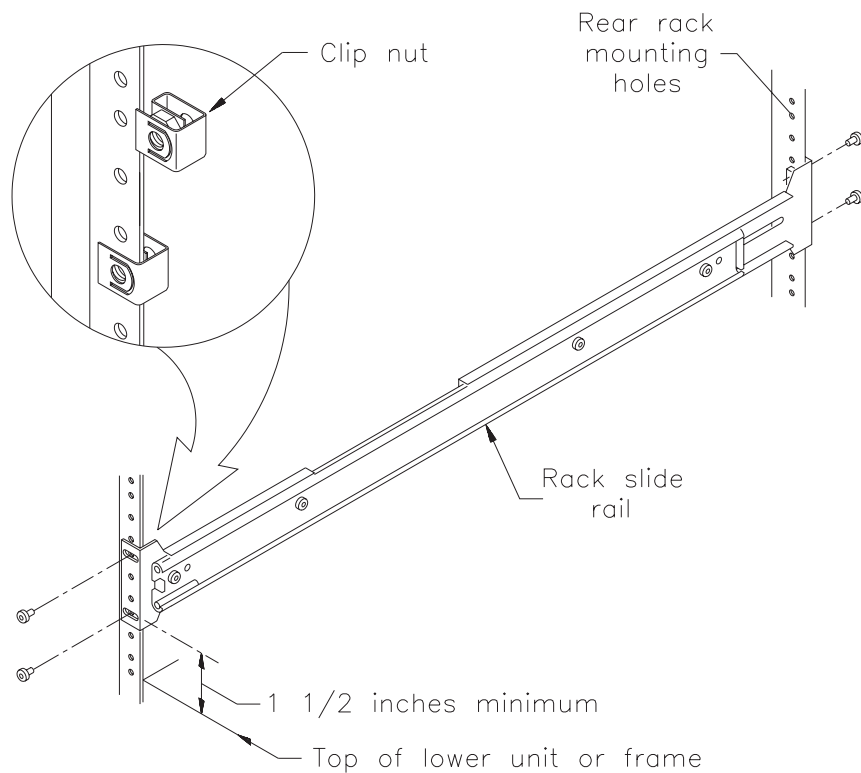


Figure 14 Attaching the rack slide rails to the rack and, if necessary, installing the clip nuts

2. Orient the slide rails so that the metal stop is toward the back of the cabinet, as shown in Figure 15. If the rails are not long enough to reach the back of the cabinet, use a T-15 TORX bit to loosen the screws on the rails. Extend the rails to the desired length and tighten the screws.

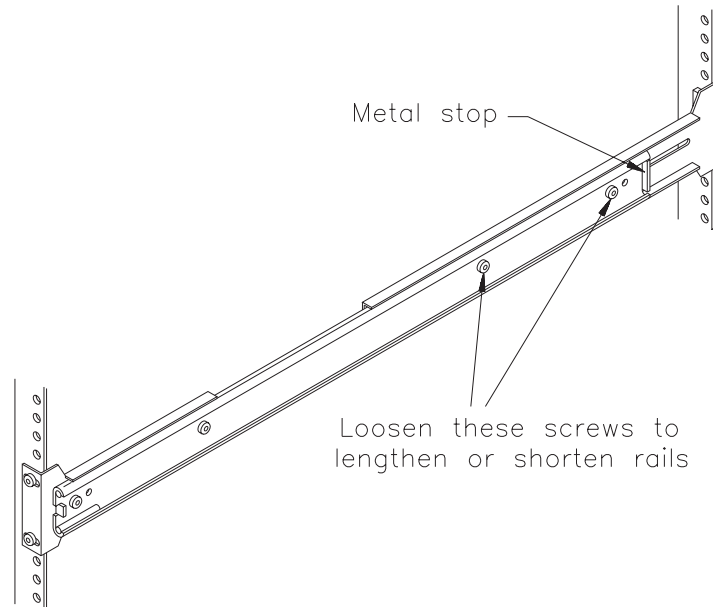


Figure 15 Attaching the rack slide rails

3. Using a T-25 TORX bit and four 10-32 \times 0.5 screws per rail, attach (but do not tighten) the slide rails to the mounting holes.

4. As shown in Figure 16, adjust the distance between the rail brackets on each side of the cabinet to $17 \frac{5}{8}$ inches (44.75 cm). Measure both the front and back.

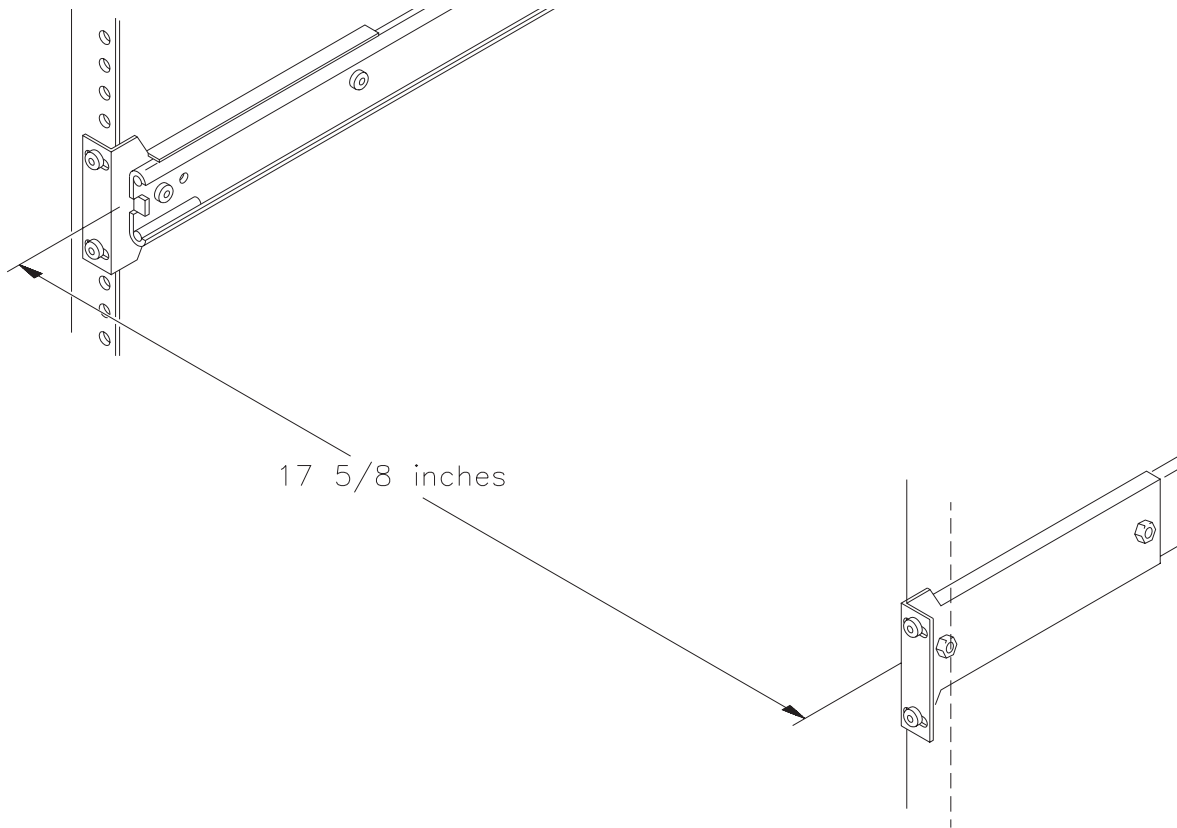


Figure 16 Adjusting the distance between slide rails

5. Using a T-25 TORX bit, tighten the screws to 15.0 inch-pounds (17.2 kg-cm) of torque.

WARNING!

The library weighs approximately 71 pounds (32 kg). At least two people are needed to install it into a rack. Make sure you do not tip the rack when installing the library onto the extended rails. For best results, use a rack with extension support legs.

6. Using two people to lift the library, slide it into the rack by inserting the chassis slide rails into the rack slide rails (see Figure 17). Press the spring clips while pushing the library firmly into the rack. When the library is seated properly, you will hear the latch engage.

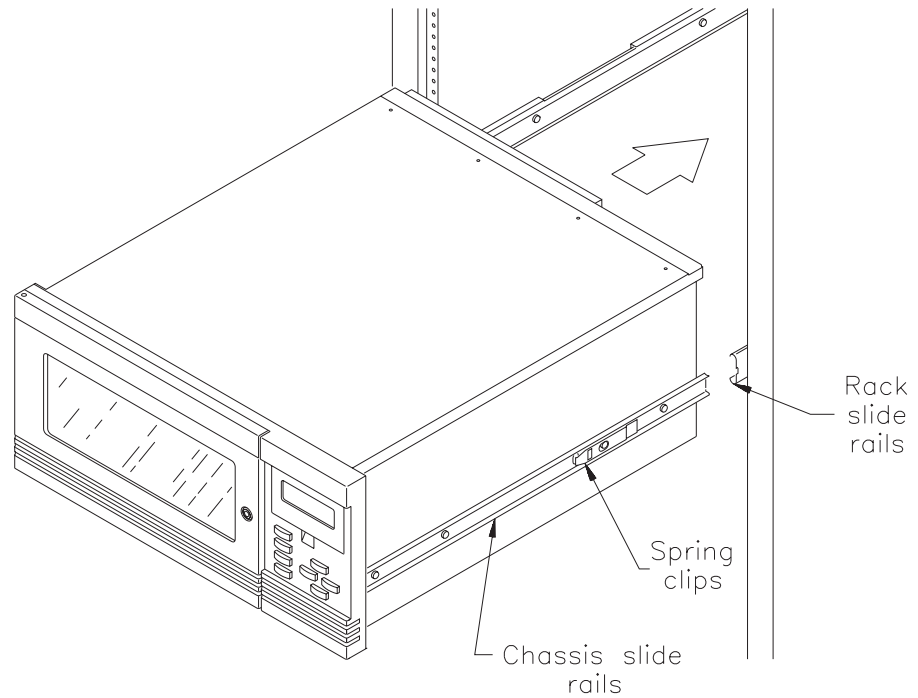


Figure 17 Installing the rack-mount library into the rack

Notes
