

DISK ENCLOSURE RETMA RACK-MOUNTING KIT

Installation Card

Open Card Completely Before Beginning Installation Procedures

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- EN 50082-1 (IEC 801-2, IEC 801-3, IEC 801-4) *Electromagnetic Immunity*
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DISK ENCLOSURE, RETMA RACK-MOUNTING KIT

First Edition (June 1999)
Part Number 127430-021
EK-SE2UK-IM. A01

Compaq Computer Corporation

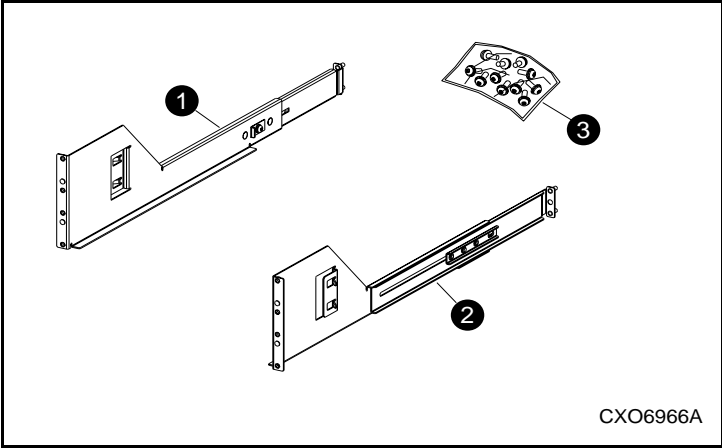


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About This Card

This card identifies the RETMA rack-mounting kit contents and provides procedures for mounting a disk enclosure into a Compaq RETMA rack.

Essential Kit Contents



NOTE: This kit contains parts for various RETMA rack installations. Not all kit parts are essential to all rack installations.

- ❶ Left mounting bracket (1)
- ❷ Right mounting bracket (1)
- ❸ Bag of miscellaneous hardware:
 - Pan head SEMS screws, 10-32 x 5/8 in (8)
 - Kep nuts (4)
 - Washers (4)
 - Alignment clips (6)

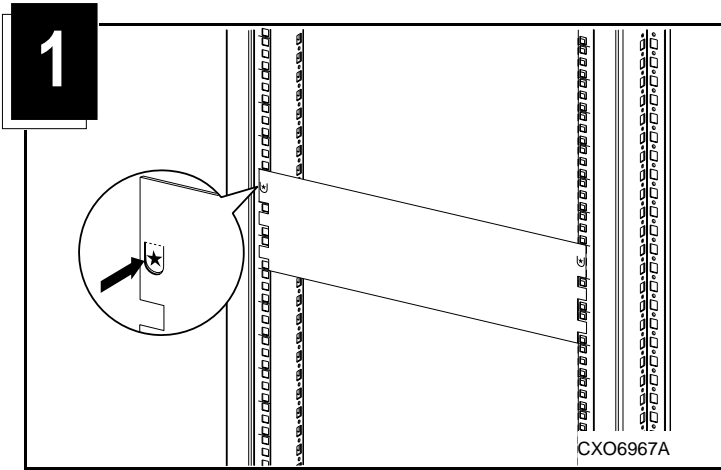
Tools Required

- No. 2 Phillips screwdriver
- Nut driver, 3/8-in

Beginning the Installation Process

If available, use the rack-mounting template shipped with the enclosure to determine the mounting location within the rack. Otherwise, read this section and mark rail holes as required using a mounting bracket.

1. Position the template-front on the vertical rails to match the template hole pattern to the rail holes.



2. Pencil mark the front mounting bracket holes with an M.
3. Position the template-back on the rack-rear vertical rails, aligning the template parallel with the rack-front pencil markings.
4. Pencil mark the rear mounting bracket holes with an M.

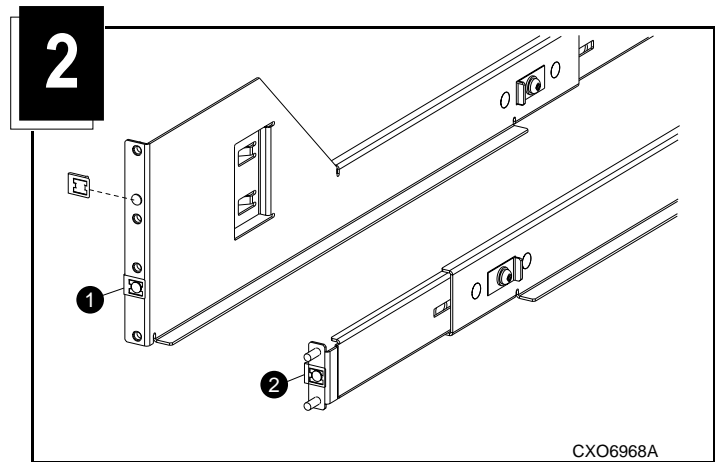
Attaching the Mounting Brackets

Attach two mounting brackets.

WARNING: To reduce the risk of personal injury or damage to the equipment during the installation process, never extend multiple components currently installed in the rack at the same time. A rack can become unstable if more than one component.

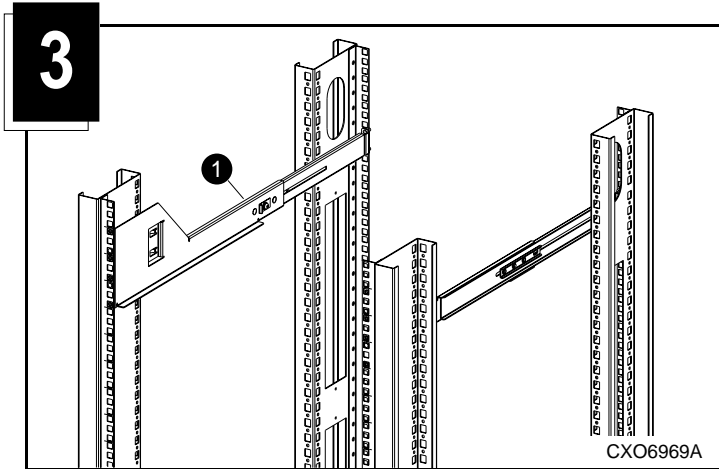
IMPORTANT: Some Compaq racks utilize a square-hole rail design, while others use a round-hole rail design. Where indicated, follow the specific steps for each rack type.

1. For square-hole rail racks:
 - Install two alignment clips ❶ on the front of each mounting bracket.
 - Install one alignment clip ❷ on the rear of each mounting bracket.



2. Position the left mounting bracket ❶ just behind the front vertical rail, aligning the middle two mounting bracket holes with the rail holes pencil marked M.
 - For square-hole rail racks, use Figure 3:

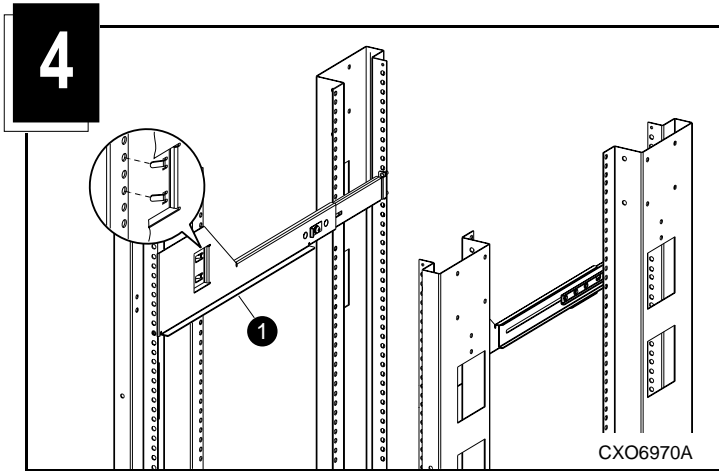
IMPORTANT: Ensure the alignment clip flanges are positioned within the mounting rail square holes.



- For round-hole rail racks, use Figure 4:

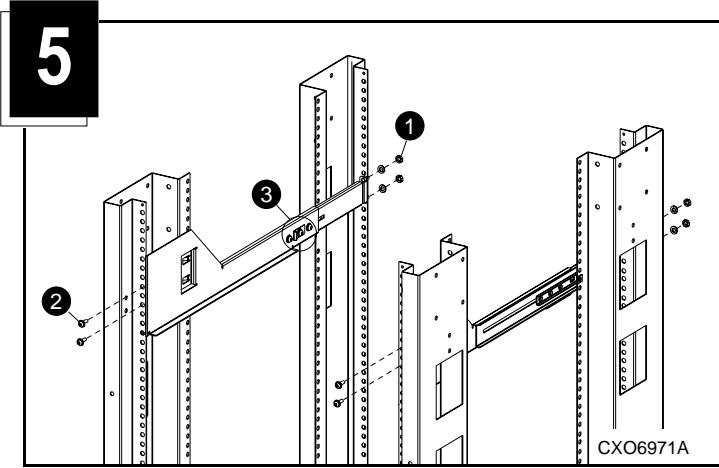
IMPORTANT: Ensure that the mounting bracket fingers are inserted into the corresponding vertical inner rail holes.

- Extend the mounting bracket through the rear vertical rail holes.



IMPORTANT: The mounting bracket must be parallel from front to rear before you secure it to the rack. The left and right mounting brackets must be parallel.

3. Extend the mounting bracket through the rear vertical rail holes and secure it to the rear vertical rail using two washers and two Kep nuts ❶.
4. Secure the mounting bracket to the front vertical rail using two pan head SEMS screws ❷ (10-32 x 5/8 in).
5. Fully tighten three mounting bracket screws ❸.



6. Repeat steps 2 through 5 for the right mounting bracket.

Preparing the Enclosure

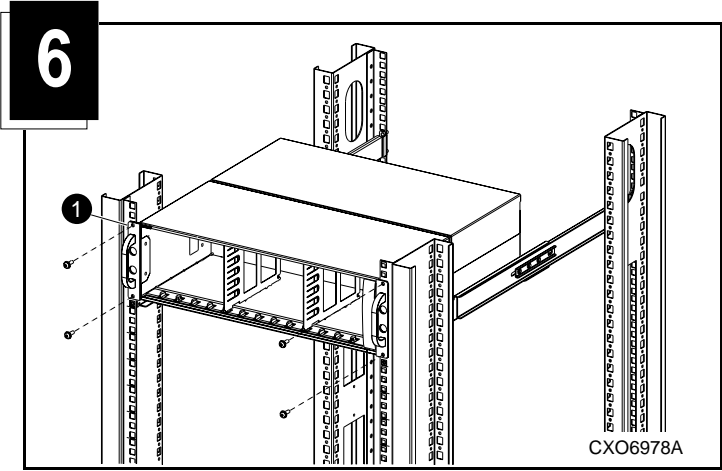
Reducing the overall enclosure weight can facilitate installation, resulting in a safer installation. If desired, refer to the enclosure user guide for element removal procedures. Consider removing only the disk drive elements.

CAUTION: Enclosure weight, with all elements installed, exceeds 65 lb (29.5 kg). To prevent personal injury, at least two people are required to install all elements safely. If enclosure elements are removed to facilitate installation, do not stack them. Place each element on its side, and on a flat, stable, static-free surface until they are ready for reinstallation.

Installing the Enclosure

CAUTION: Keep the enclosure parallel to the floor while sliding it into the mounting brackets to prevent damaging the chassis and ease insertion.

- IMPORTANT:** Once the enclosure is fully inserted, verify that:
- Both enclosure front flanges contact the rack vertical rail.
 - The enclosure rear seated properly with the mounting brackets.
1. Position the enclosure on the mounting brackets and slide it in until the enclosure flanges ❶ contact with the front vertical rails.
 2. Secure the enclosure using four pan head SEMS screws (10-32 x 5/8 in).



Installing Enclosure Elements

Refer to enclosure documentation for element installation procedures.

Install all enclosure elements removed in the “Preparing the Enclosure” section.

Connecting Data Bus and Power Cables

All data bus and power cables are connected at the rear of the enclosure.

CAUTION: This enclosure *does not* contain a power ON/OFF switch. Once a power cable is connected, the enclosure circuitry begins to operate. Connect power cables after all data bus cables are connected. Failure to connect all cabling prior to power activation may damage the enclosure.

NOTE: Route cabling in a manner that facilitates easy removal of enclosure elements.

Refer to enclosure documentation for information on connecting data and power cables.

1. Connect all data bus cables to the enclosure.
2. Connect all power cables to the enclosure.
3. Secure all cables to the rack using cable ties.

This completes the hardware installation.