Intel® SRSH4 Rack Mount Kit Installation

Introduction

For the SPSH4, refer to page 9.

The SRSH4 Rack Mount Kit contains:

- Two 30-inch rails (with mounting brackets attached)
- Eight thumbscrews (A in Figure 2)
- Two clip nuts (B in Figure 2)
- Documentation (this document)

See Figure 1 and Figure 2.

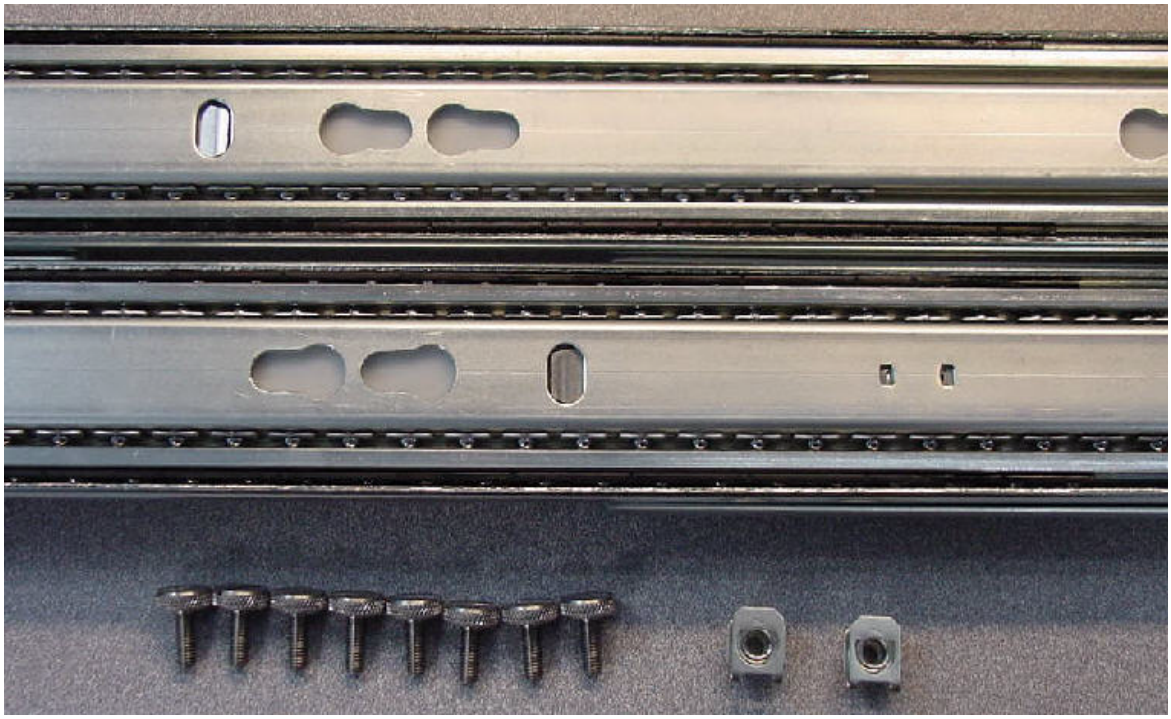

Figure 1. Kit Contents

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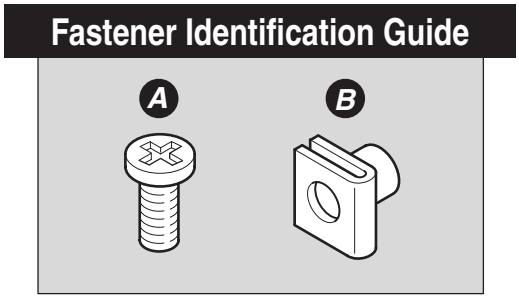


Figure 2. Fasteners

Installation

To install the SRSH4 Rack Mount Kit:

1. Fully extend the inner rails.
2. Depress the locking tab on the center rail (Figure 3) and remove the inner rail from each rail assembly.

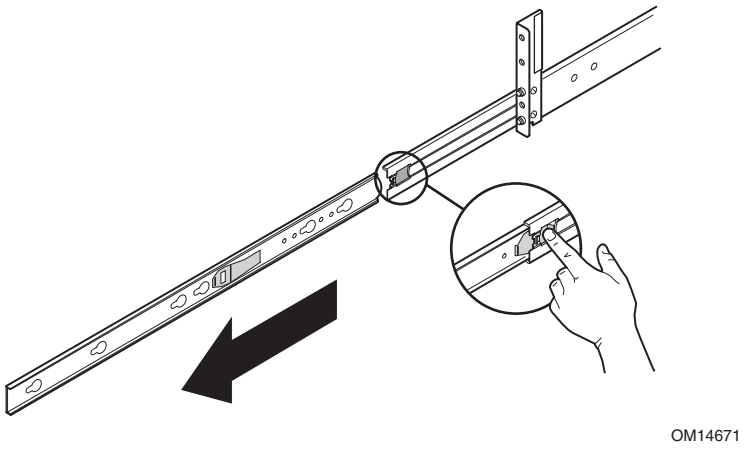


Figure 3. Removing the Inner Rails

3. Attach the inner rails to the sides of the chassis by slipping the keyholes in the rails over the heads of the T-bushings (Figure 4). Slide the rails toward the rear of the chassis until they lock into place.

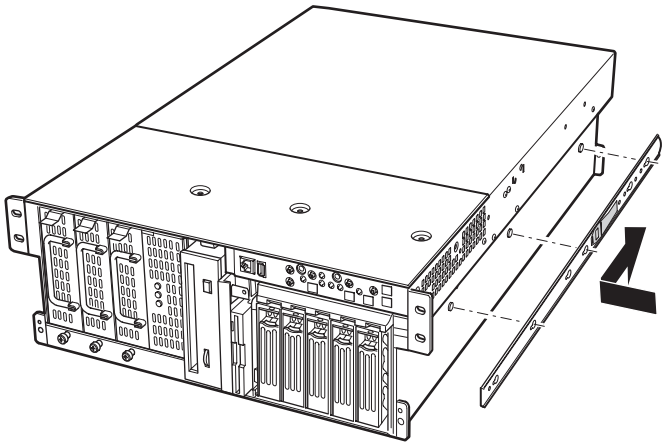


Figure 4. Attaching the Inner Rails to the SRSH4 Chassis

4. Attach the rack pull handles to the front of the chassis (Figure 5).

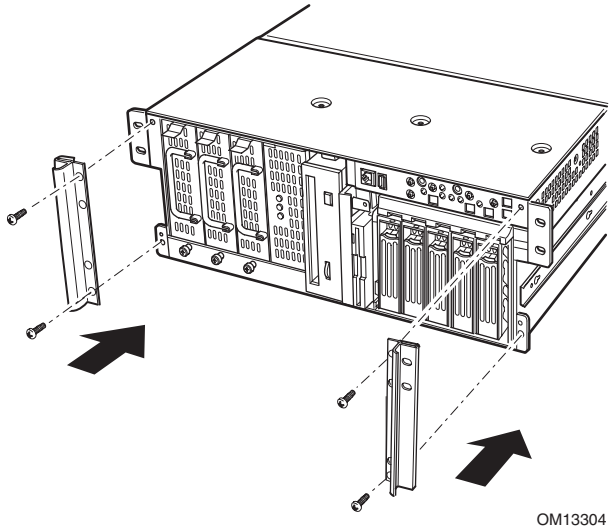
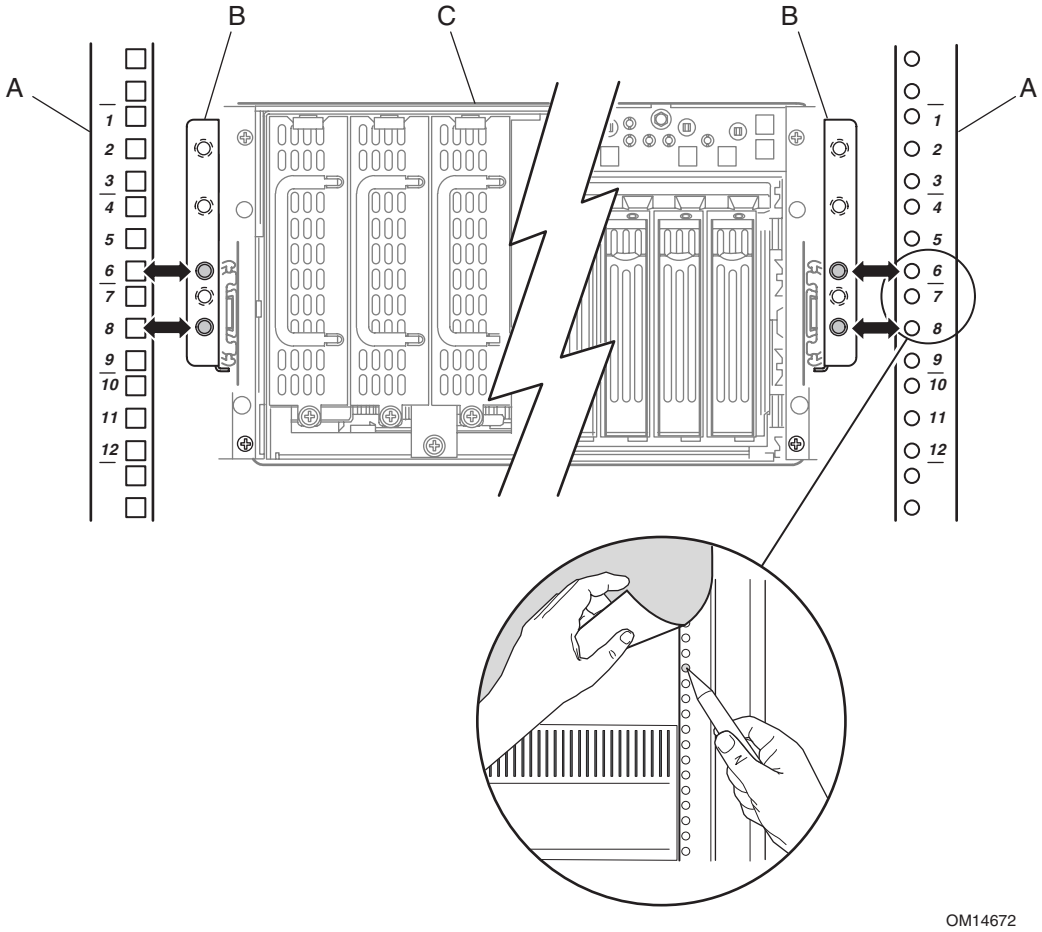


Figure 5. Installing the SRSH4 Rack Pull Handles

5. Using Figure 6, locate and mark the mounting holes where the rails attach to the front of the rack. (To make it easier to see the correct alignment, the rail mounting brackets are shown offset from the rack in the figure; in reality, the brackets would line up directly behind the holes in the rack). Aligning the top of the server with a U-mark on the rack (a pair of closely spaced holes), the hole positions are numbered starting with the first hole below that mark. The rails have two alignment pins, which mount in positions 6 and 8. The figure shows examples of racks with square holes (left) and round holes (right).



A Rack
B Rail mounting bracket
C Server

Figure 6. Marking the Mounting Holes for the SRSH4 on the Front of the Rack

6. Attach clip nuts to the rack. See Figure 7.

Figure 7. Attaching Clipnuts to the Rack

7. Install the outer rails in your rack, attaching each bracket with a thumbscrew, as shown in Figure 8. The thumbscrew goes in hole position 7.

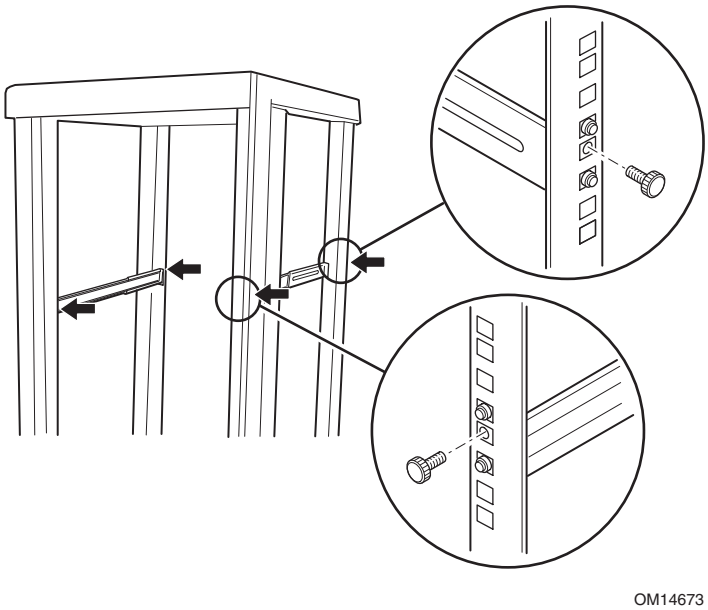


Figure 8. Attaching the Brackets to the Rack

8. Note: This step requires two people. Hold the chassis so that the rails on the chassis engage the rails in your rack (Figure 9).
9. Disengage the locking tab on each rail and slide the server into the rack.

⚠ CAUTION

When sliding the server into or out of the rack, do not force it. If the server does not slide smoothly, check the following:

- Are both rails mounted in the rack exactly horizontal, so that one end isn't higher than the other?
- Are the rails mounted on the sides of the server using the correct holes in the rails and in the server?
- Are the rails parallel?

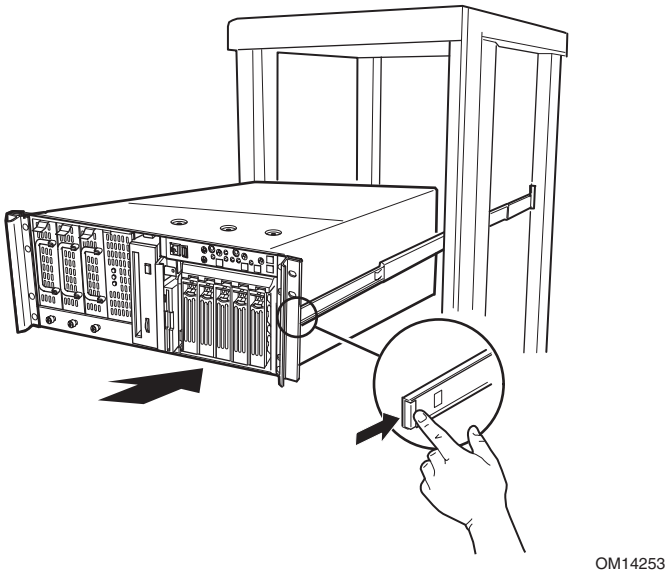


Figure 9. Installing the SRSH4 Server into the Rack

10. Secure the server in the rack by attaching thumbscrews through the upper hole in each rack handle (Figure 10).

Figure 10. Attaching the Thumbscrews, SRSH4

Intel® SPSH4 Rack Mount Kit Installation

Introduction

The SPSH4 Rack Mount Kit contains:

- Two 30-inch rails (with mounting brackets attached)
- Eight thumbscrews (A in Figure 12)
- Two clip nuts (B in Figure 12)
- Documentation (this document)

See Figure 11 and Figure 12.

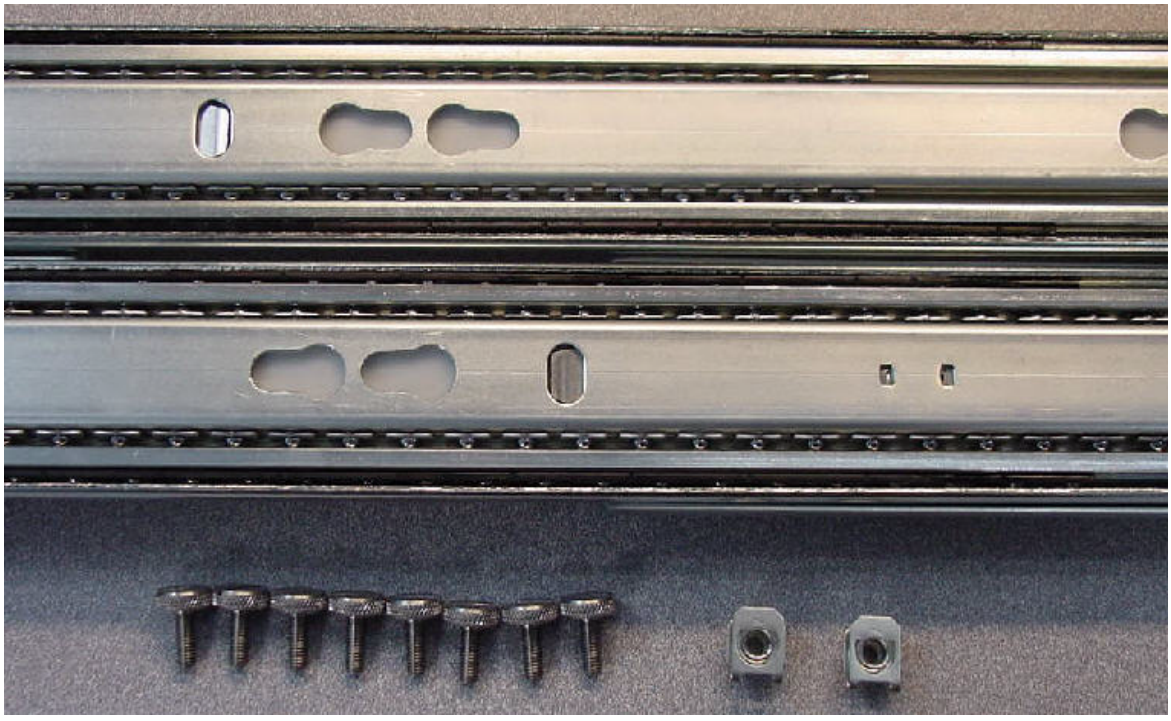


Figure 11. Kit Contents

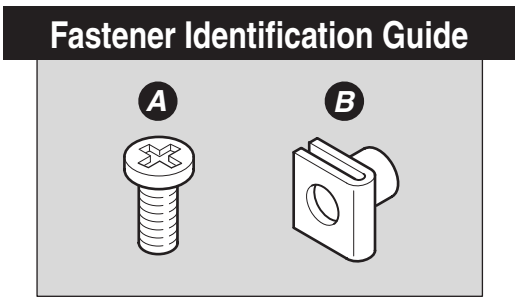


Figure 12. Fasteners

Installation

To install the SPSH4 Rack Mount Kit:

1. Fully extend the inner rails.
2. Depress the locking tab on the center rail (Figure 13) and remove the inner rail from each rail assembly.

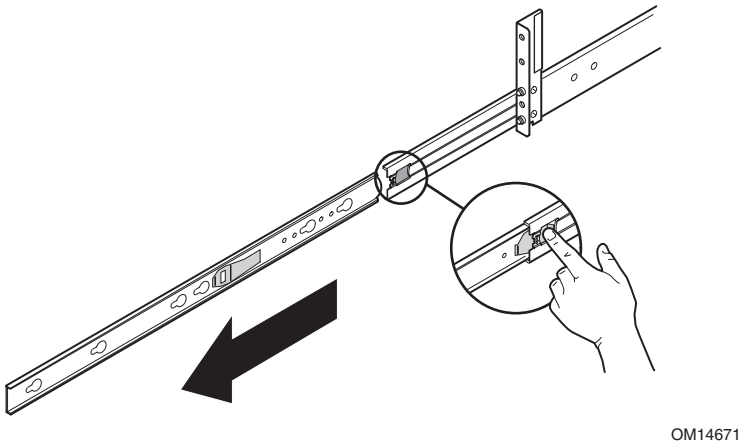


Figure 13. Removing the Inner Rails

3. Attach the inner rails to the sides of the chassis by slipping the keyholes in the rails over the heads of the T-bushings. Press and hold the rails firmly over the front T-bushings (A in Figure 14) while sliding the rails toward the rear of the chassis, until the rails lock into place.

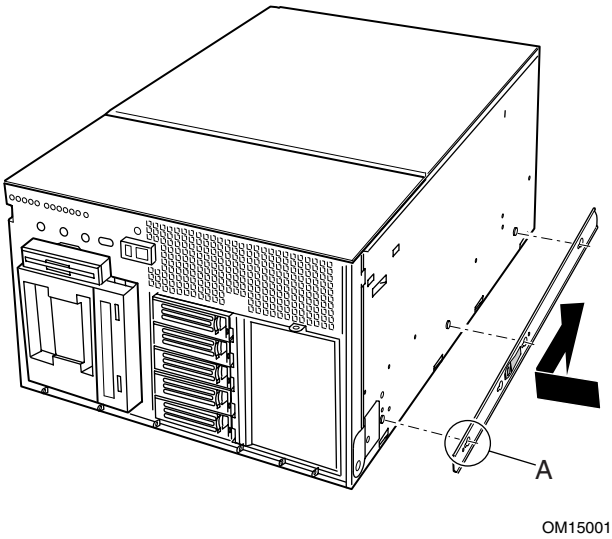


Figure 14. Attaching the Inner Rails to the SPSH4 Chassis

4. Attach the rack pull handles to the front of the chassis (Figure 15).

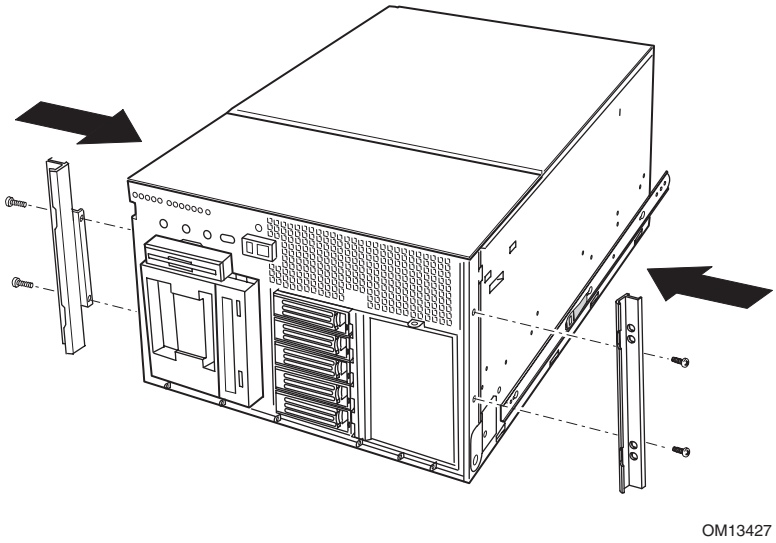
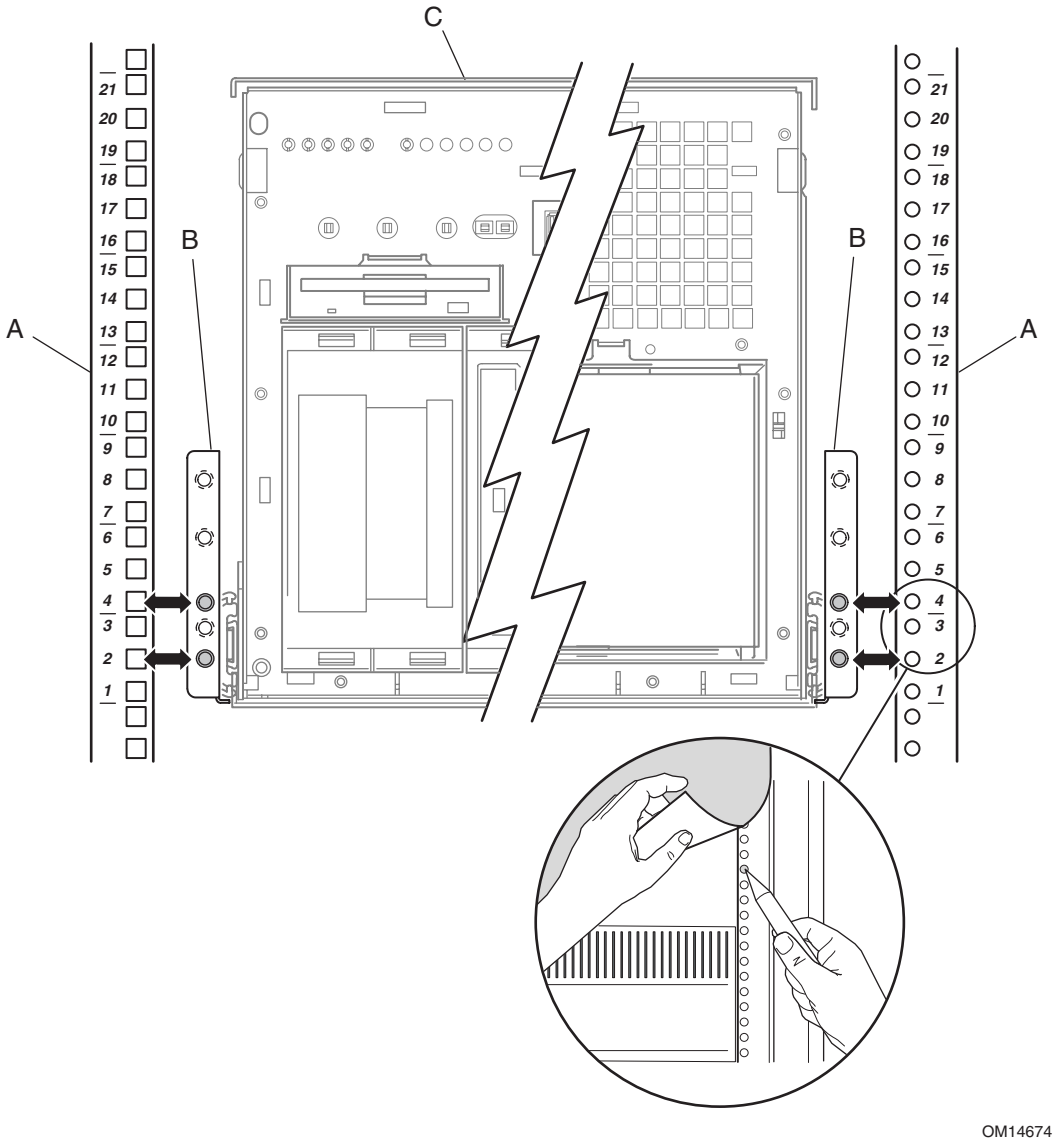


Figure 15. Installing the SPSH4 Rack Pull Handles

5. Using Figure 16, locate and mark the mounting holes where the rails attach to the front of the rack. (To make it easier to see the correct alignment, the rail mounting brackets are shown offset from the rack in the figure; in reality, the brackets line up directly behind the holes in the rack.) Aligning the bottom of the server with a U mark on the rack (a pair of closely spaced holes), the hole positions are numbered starting with the first hole above that mark. The rails have two alignment pins, which mount in positions 2 and 4. The figure shows examples of racks with square holes (left) and round holes (right).



A Rack
B Rail mounting bracket
C Server

Figure 16. Marking the Mounting Holes for the SPSH4 on the Front of the Rack

6. Attach clip nuts to the rack. See Figure 17.

Figure 17. Attaching Clipnuts to the Rack

7. Install the outer rails in your rack, attaching each bracket with a thumbscrew as shown in Figure 18. The thumbscrew goes in hole position 3.

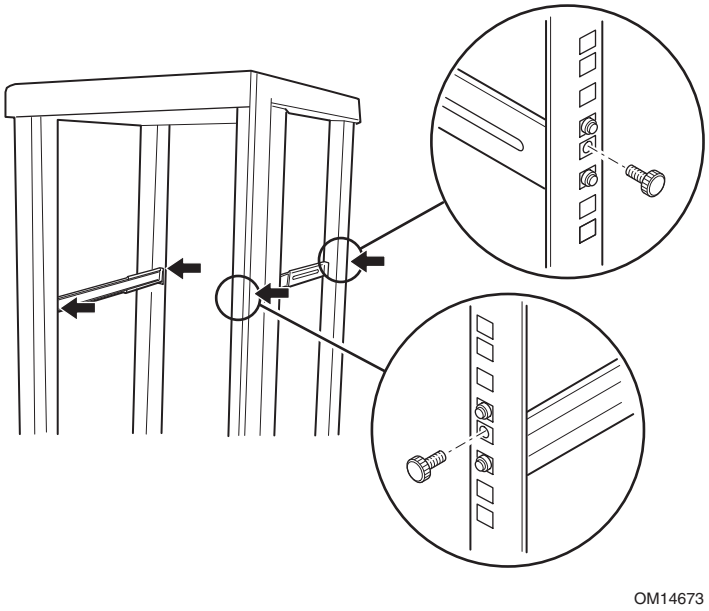


Figure 18. Attaching the Brackets to the Rack

8. Note: This step requires two people. Hold the chassis so that the rails on the chassis engage the rails in your rack (Figure 19).
9. Disengage the locking tab on each rail and slide the server into the rack.

⚠ CAUTION

When sliding the server into or out of the rack, do not force it. If the server does not slide smoothly, check the following:

- Are both rails mounted in the rack exactly horizontal, so that one end isn't higher than the other?
- Are the rails mounted on the sides of the server using the correct holes in the rails and in the server?
- Are the rails parallel?

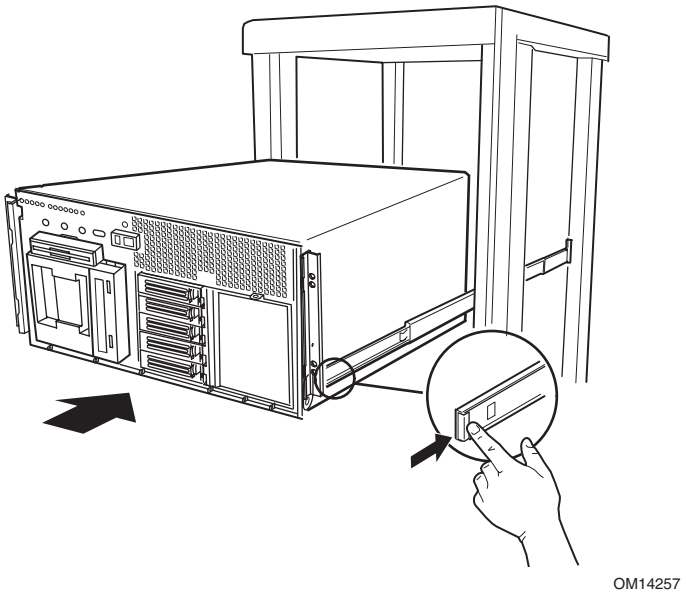


Figure 19. Installing the SPSH4 Server into the Rack

10. Secure the server in the rack by attaching thumbscrews through the upper hole **in the bottom pair of holes** in each rack handle (Figure 20).

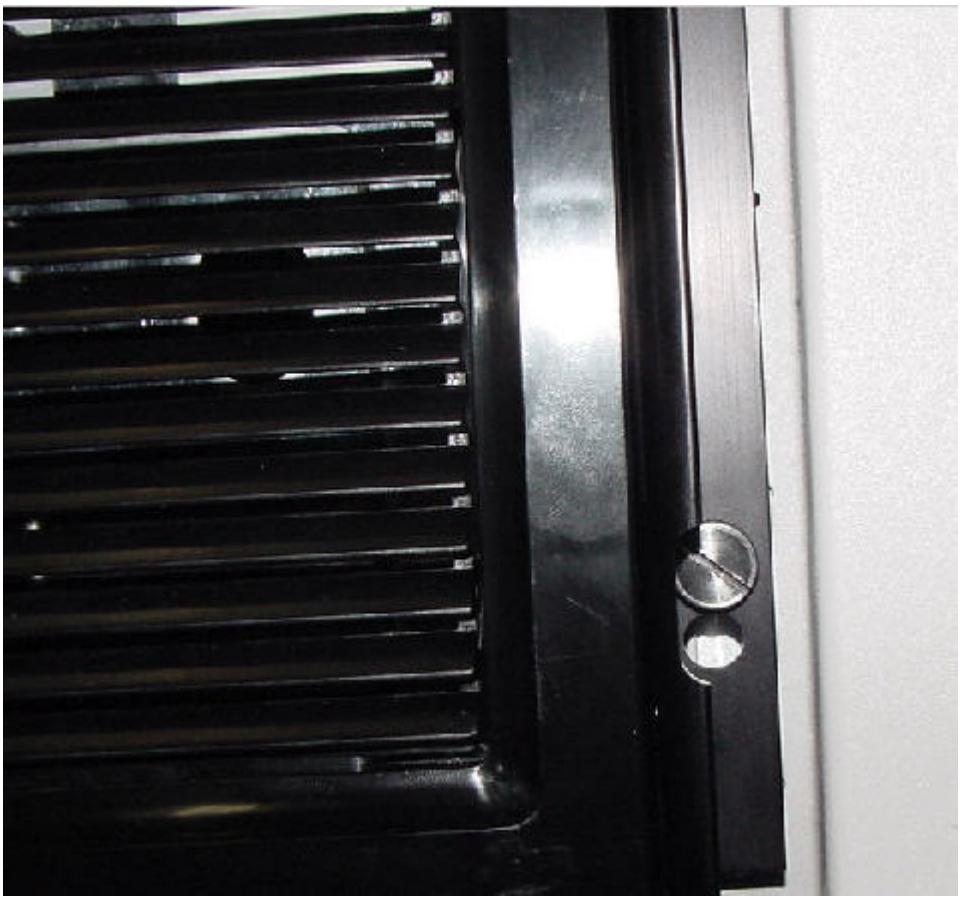


Figure 20. Attaching the Thumbscrews, SPSH4