Replacing the rails: Veritas 5150 Appliance

Purpose

This document describes the process for replacing the rails in a Veritas appliance.

Affected Models

The instructions that are provided in this document pertain to the following Veritas appliance hardware:

- 5150 Appliance

Electrical Safety

The static discharged by human bodies can damage static-sensitive components on the boards. When installing and maintaining the equipment, observe appropriate electrostatic safety precautions to prevent personnel injuries or device damage.

When operating a device in an electrostatic sensitive area, you must take electrostatic-discharge (ESD)-preventive measures. These include wearing ESD-preventive gloves, an ESD-preventive wrist strap, and ESD-preventive clothes to avoid personnel injury or device damage.

To prevent damage to the device, pay attention to the following during operations:

- Do not touch devices with bare hands because ESD from the human body may damage the electrostatically sensitive elements on a board.
- When dealing with the server or any of the internal components, wear an ESD-preventive wrist strap, ESD-preventive gloves, and ESD-preventive suit.

Requirements

Verify that you have the following items:

- 5150 Appliance replacement rails
• ESD wrist strap

Removing the rack rails

Use the following procedure to remove the rails.

To remove the faulty chassis from the rack

1 If the appliance is secured to the rack, locate and loosen the two captive fasteners at the front of the appliance.

2 Extend the appliance from the rack until the rails lock.

3 Locate the rail locks at the front of each rail and unlock them.
4 While standing in front of the appliance chassis, place one hand underneath the back of the chassis and lift up on the front of the chassis.

5 With one hand under the back of the chassis for support, continue to lift the front of the chassis and lift the back of the chassis up and out of the rails.

6 After the chassis is removed from the rack, place it on a flat, ESD-compliant surface.
7 Lift up the release tab on each rail and glide them into the rack.
8 Push in the locker button on the front rail bracket.

9 Disengage the rail bracket hook from the mounting hole by carefully lifting up and pulling out the rail bracket from the rack pillar.

10 Repeat steps 8 and 9 for the rear rail bracket while holding the rails.

Installing the rack rails

Use the following procedure to re-install the inner rack rails to the sides of the chassis.

To install the inner rack rails
1 Identify the Right (R) and the Left (L) rail assemblies.
2 Align purple button at end of each rail in lowest hole in a 1RU space. Snap rails into rack post.

3 Extend both of the rails until they lock in place.

4 While standing in front of the chassis, position the appliance within the extended rails with the back of the chassis towards the rack. Raise the front of the chassis and align the rear mounting posts of the chassis with the rear rail cut-outs of both rails.
5  Lower the rear chassis mounting posts into the rear rail cut-outs.

6  When the rear chassis mounting posts are secured in the rail cut-outs, rotate the front of the chassis down until the front chassis mounting posts on each side of the chassis fit securely into the front rail cut-outs on each rail.
7  Check the front rail locks on each of the rails and confirm that they are secured.

8  Lift the release tabs located at the sides of the rails and push the appliance into the rack as far as possible.

9  Fasten the front of the appliance to the rack with the two captive fasteners that are attached to the front of the chassis.