

Dell™ PowerEdge™  
T610 Systems

# Tower-to-Rack Conversion Guide



# Notes, Cautions, and Warnings



**NOTE:** A NOTE indicates important information that helps you make better use of your computer.



**CAUTION:** A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.



**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Safety Instructions

Use the following safety guidelines to ensure your own personal safety and to help protect your system and working environment from potential damage. For complete safety and regulatory information, see the safety instructions that shipped with your system. Warranty information might be included in this document or as a separate document.

## **SAFETY: Rack Mounting of Systems**

Observe the following precautions for rack stability and safety. Also refer to the rack installation documentation accompanying the system and the rack for specific caution statements and procedures.

Systems are considered to be components in a rack. "Component" refers to any system as well as to various peripherals or supporting hardware.

### **CAUTION: Instructions for Rack-Mounted Systems:**

- Your rack kit has been approved only for the rack cabinet provided. It is your responsibility to ensure that installation of the equipment into any other rack complies with all applicable standards. Dell disclaims all liability and warranties with respect to combinations of equipment with any other rack.
- Before installing your equipment in a rack, install all front and side stabilizers. Failure to install stabilizers can allow the rack to tip over.
- Always load from the bottom up, and load the heaviest items first.
- Do not overload the AC power supply branch circuit that provides power to the rack.
- Do not stand or step on any components in the rack.

# Installing the Tower-to-Rack Kit

## **Removing the Bezel**

- 1 Unlock the keylock at the right side of the bezel.
- 2 Slide the release lever to the right to unlatch the bezel.
- 3 Rotate the top of the bezel away from the front panel.
- 4 Unhook the bottom of the bezel and pull the bezel away from the system.

## Preparing the System for Conversion

- 1 Turn off the system and attached peripherals, and disconnect the system from the electrical outlet and peripherals.
- 2 If present, unlock and remove the cable lock on the back of the system chassis.
- 3 Rotate the system feet inward.



**WARNING: The system may weigh up to 38 kilograms (84 pounds) when fully loaded. To prevent personal injury, do not attempt to move the system by yourself.**

- 4 Place the system on its side on a flat, level work surface.

## Removing the Stabilizer Feet

Using a #2 Phillips screwdriver, remove the screws that hold the stabilizer feet to the chassis and remove the stabilizer feet. See Figure 1-1.

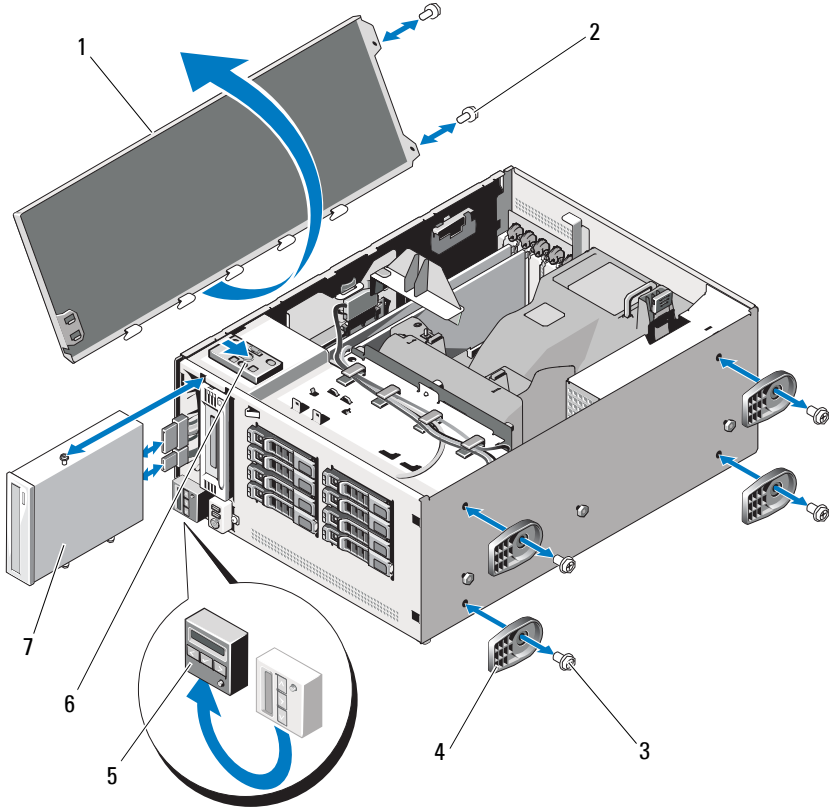
## Removing the System Cover

- 1 Turn the lock on the cover release latch counterclockwise to the unlocked position.
- 2 Pull the cover release latch, and rotate the latch end of the cover away from the system.
- 3 Grasp the cover on both sides and lift the cover away from the system.

## Removing the Top Chassis Panel

- 1 Using a #2 Phillips screwdriver, remove the two screws at the back of the system that secure the top chassis panel to the system chassis. See Figure 1-1.
- 2 Slide the top panel toward the back of the system until the panel hooks clear the chassis slots.
- 3 Rotate the free side of the panel outward about 15 degrees and pull the panel clear of the system. See Figure 1-1.

**Figure 1-1. Removing the Tower Components**



- |   |                                       |   |                     |
|---|---------------------------------------|---|---------------------|
| 1 | top chassis panel                     | 2 | Phillips screw (2)  |
| 3 | Phillips screw (4)                    | 4 | stabilizer foot (4) |
| 5 | LCD display module                    | 6 | drive release latch |
| 7 | optical drive (top or left drive bay) |   |                     |

## Rotating the LCD Display Module

- 1 Remove the optical drive from the top (or left) drive bay of the system.
  - a Disconnect the power and data cables from the back of the optical drive. See Figure 1-1.
  - b Slide the drive release latch in the direction of the arrow to release the drive.
  - c Slide the drive out to remove it from the drive bay.
- 2 Rotate the LCD display module 90 degrees clockwise to the horizontal rack orientation.
- 3 Reinstall the optical drive in the system.
  - a Align the shoulder screws on the optical drive with the drive bay screw slots.
  - b Insert the optical drive into the drive bay until the release latch locks into place.
  - c Reconnect the power and data cables to the back of the optical drive.
- 4 Close the system cover.

## Installing the Rack Ears

- 1 Align the rack ear screw holes with the screw holes on the right side of the system chassis. See Figure 1-2.
- 2 Install the three screws using a #2 Phillips screwdriver.
- 3 Repeat for the left rack ear piece.

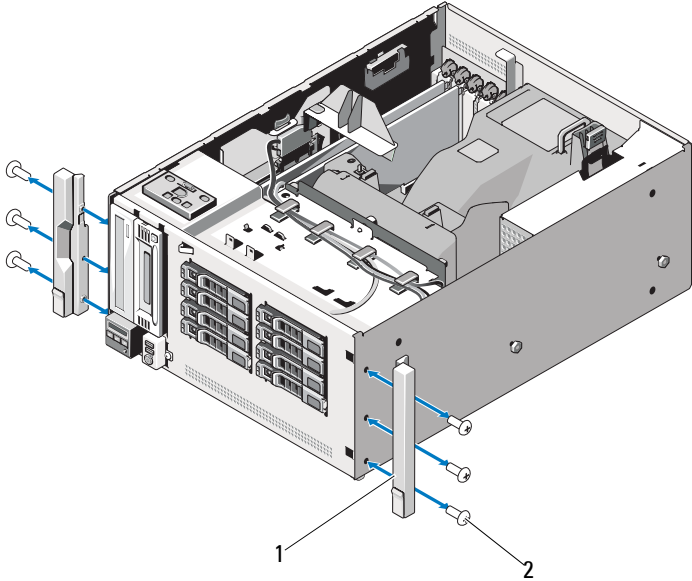
## Installing the Bezel

- 1 Insert the tabs at the bottom of the bezel into the tab slots at the bottom of the chassis.
- 2 Firmly press the top of the bezel into the chassis until the lever locks into place.
- 3 Using the system key, lock the bezel.

## Rack Installation

See the system's *Rack Installation Guide* for the proper procedure for installing the system in a rack.

**Figure 1-2. Installing the Rack Ears**



1 rack ear (2)

2 Phillips screw (6)

