



## ProLiant 3000R/6500R Interlock Kit Installation Information

EK-3000R-IN. A01

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### Introduction

The 2T-QINTL-65 interlock kit contains the components for installing the interlock system, the front rail covers, and the shipping bracket on the rackmounted ProLiant 3000 and ProLiant 6500. The interlock system helps prevent cabinet instability by allowing only one system at a time to be pulled out of the cabinet. The shipping bracket is used to secure the ProLiant 3000 and ProLiant 6500 in the cabinet during shipment or when moving the cabinet to a new location.

The interlock system consists of a vertical rod, on which are mounted actuator latches for each product installed in the cabinet. These actuator latches engage the interlock actuator on the rear of rackmount systems. When a rackmount system is pulled out of the cabinet, the actuator latches rotate to prevent any other rackmount system that has an interlock actuator from being pulled out of the cabinet.

Table 1 lists the parts that are shipped with the 2T-QINTL-65 interlock kit. The callouts in column 1 refer to the part location in Figure 1.

**Table 1 2T-QINTL-65 Interlock Kit Parts List**

Figure 1 Callout	Description	Part Number	Qty.
❶	Interlock actuator	74-53872-01	1
❷	6-32 truss-head screw	90-00063-10	4
❸	Stabilizer bracket	74-48996-01	1
❹	Actuator latch	74-48997-02	1
❺	10-32 threaded nut bar	74-48998-01	1
❻	10-32 truss-head screw	90-00063-39	4
❼	Flat washer, .286ID x .066THK	90-06676-00	2
❽	Split washer	90-07797-00	2
❾	Shipping bracket	74-53875-01	1
❿	Flat washer, .221ID x .051THK	90-06664-00	2
①	10-32 Kep nut	90-06565-00	6
	Right front rail cover	74-60647-01	1
	Left front rail cover	74-60647-02	1
	<i>ProLiant 3000R/6500R Interlock Kit Installation Information</i>	EK-3000R-IN	1

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## Installing the Interlock System

The rackmount ProLiant 3000 and ProLiant 6500 require 31.12 cm (12.25 in.) of vertical space or 21 contiguous holes in a 48.26-cm (19-in) EIA cabinet. The bottom hole in this installation area ② is identified as hole 1 ③ and the top hole is identified as hole 21 ④ (see Figure 1).

In the following installation procedures, directions are referred to while viewing the rackmount ProLiant 3000 or ProLiant 6500 from the rear of the cabinet. To install the interlock system, refer to Figure 1 and the following procedures:

1. Mount the interlock actuator ❶ on the upper right rear of the ProLiant 3000 or ProLiant 6500 chassis using two 6-32 truss-head screws ❷.
2. Remove the screws securing the vertical rod's bottom mounting bracket to the cabinet and slide the mounting bracket off the bottom of the vertical rod.
3. Slide the actuator latch ❸ for the ProLiant 3000 or ProLiant 6500 onto the bottom of the vertical rod.
4. Slide the stabilizer bracket ❹ for the new product onto the bottom of the vertical rod.
5. Replace the vertical rod's bottom mounting bracket and install the screws removed in step 2 but *do not* tighten them.
6. Position the stabilizer bracket ❹ so that the bottom hole in the stabilizer bracket is aligned with the 17th hole ⑤ of the installation area and the top hole in the stabilizer bracket is aligned with the 20th hole ⑥ of the installation area on the right rear cabinet rail.
7. Place the bar nut ❺ behind the right rear cabinet rail and install and tighten the two 10-32 truss-head screws ❻ provided to secure the stabilizer bracket ❹.
8. Position the actuator latch ❸ to properly engage the interlock actuator, and tighten the two 6-32 set screws to secure the actuator latch to the vertical rod.
9. Now tighten the screws to secure the vertical rod's bottom mounting bracket.

## Installing the Front Rail Covers

In the following installation procedures, directions are referred to while viewing the rackmount ProLiant 3000 or ProLiant 6500 from the front of the cabinet. The front rail covers are installed on the right and left front rails after installing the slide brackets as described in the *ProLiant 3000 and 6500 Setup and Installation Guide*. To install the front rail covers, refer to the following procedures:

1. Position the right front rail cover over the right front rail so that the notched area is aligned with the M6 screw (2nd hole of the installation area) securing the right slide bracket, and the threaded studs are aligned with the 5th and 11th holes of the installation area.
2. Secure the right front rail cover to the right front rail with two 10-32 Kep nuts.
3. Position the left front rail cover over the left front rail so that the notched area is aligned with the M6 screw (2nd hole of the installation area) securing the left slide bracket, and the threaded studs are aligned with the 5th and 11th holes of the installation area.
4. Secure the left front rail cover to the left front rail with two 10-32 Kep nuts.

## Installing the Shipping Bracket

In the following installation procedures, directions are referred to while viewing the rackmount ProLiant 3000 or ProLiant 6500 from the rear of the cabinet. The shipping bracket is used to secure the ProLiant 3000 or ProLiant 6500 in the cabinet during shipment or when moving the cabinet to a new location. To install the shipping bracket, refer to Figure 1 and the following procedures:

1. **Removing and replacing one screw at a time**, remove the two screws securing the cable management arm mounting bracket to the chassis and replace with two 6-32 truss-head screws ❷.

2. **Removing and replacing one screw at a time**, remove the two M6 screws ⑧ securing the cable management arm to the mounting bracket and install two flat washers ⑦ and two split washers ③, then reinstall the two M6 screws ⑧.
3. To install the shipping bracket ⑨, loosen the two M6 screws ⑧ securing the cable management arm to the mounting bracket and place the large part of the two keyholes on the shipping bracket over the screw heads.
4. Slide the shipping bracket ⑨ down, until the top hole on the left side of the shipping bracket is aligned with the 18th hole ⑦ of the installation area on the left rear cabinet rail. Tighten the two M6 screws ⑧ securing the shipping bracket and cable management arm to the mounting bracket.
5. Secure the shipping bracket ⑨ to the left rear rail with two flat washers ⑩, two 10-32 truss-head screws ⑥, and two 10-32 Kep nuts ①.

**Figure 1 Installing the 2T-QINTL-65 Interlock Kit**



