

# **SPARC T3-2 and T4-2 Servers 10 Gb Network Module**

Installation Guide



Part No.: Part No.: E20704-02  
Part No.: Mfg No.: 7064167  
November 2012

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### Install the option card into the server.

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# SPARC T3-2 and T4-2 Servers 10 Gb Network Module Installation Guide

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The SPARC T3-2 and T4-2 Servers 10 Gb Network Module card from Oracle provides four 10-GbE network connections when using a supported QSFP transceiver module.

In most cases, you must replace the server's original metal PCIe slot gaskets with new fabric-covered foam gaskets included with the network module. This installation guide describes how to replace the original PCIe slot gaskets with the new gaskets.

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**Note** – If your server already contains fabric-covered foam PCIe slot gaskets, you do not need to replace the gaskets. Replace the gaskets only if your server has metal PCIe slot gaskets.

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The following procedures require you to refer to your server installation guide and service manual. You can download these documents, as well as the rest of the server documentation, at:

<http://www.oracle.com/documentation>

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# Install the PCIe Slot Gaskets and the Network Module

Perform the following tasks to replace the PCIe slot gaskets and install the SPARC T3-2 and T4-2 Servers 10 Gb Network Module:

No.	Description	Link
1	Power off the server, extend it for servicing, and inspect the PCIe slot gaskets.	<a href="#">“Inspect the Existing PCIe Slot Gaskets” on page 2</a>
2	If the server contains the earlier PCIe slot gaskets, replace them with the gaskets included in the shipping kit.	<a href="#">“Replace the PCIe Slot Gaskets” on page 5</a>
3	Install the network module and return the server to operation.	<a href="#">“Install the Network Module” on page 9</a>

## ▼ Inspect the Existing PCIe Slot Gaskets



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**Caution** – This procedure requires that you handle components that are sensitive to static discharge. This sensitivity can cause the components to fail. To avoid damage, take ESD precautions and attach an antistatic wrist strap.

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1. **Attach an antistatic wrist strap.**
2. **Unpack the network module and the PCIe slot gaskets, and place them on an antistatic mat.**

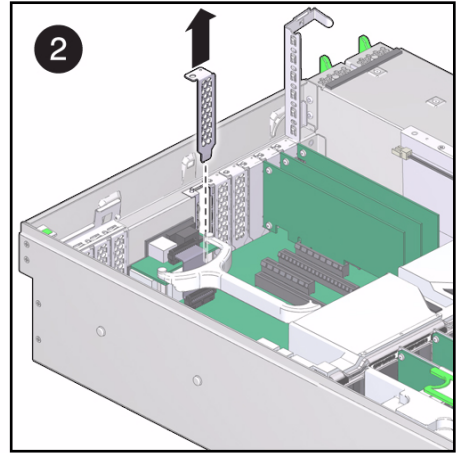
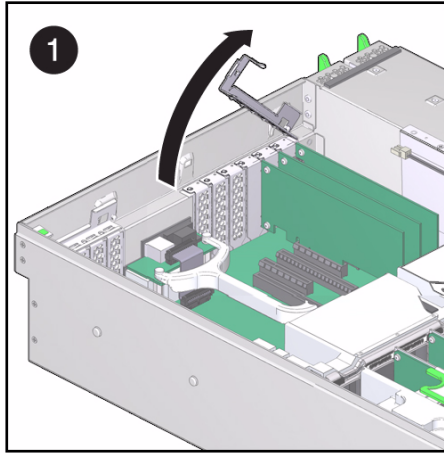
3. **Prepare the server for servicing.**

Refer to the server service manual for instructions for the following tasks:

- Power off the server.
- Extend the server from the rack to the maintenance position.
- Remove the server’s top cover.

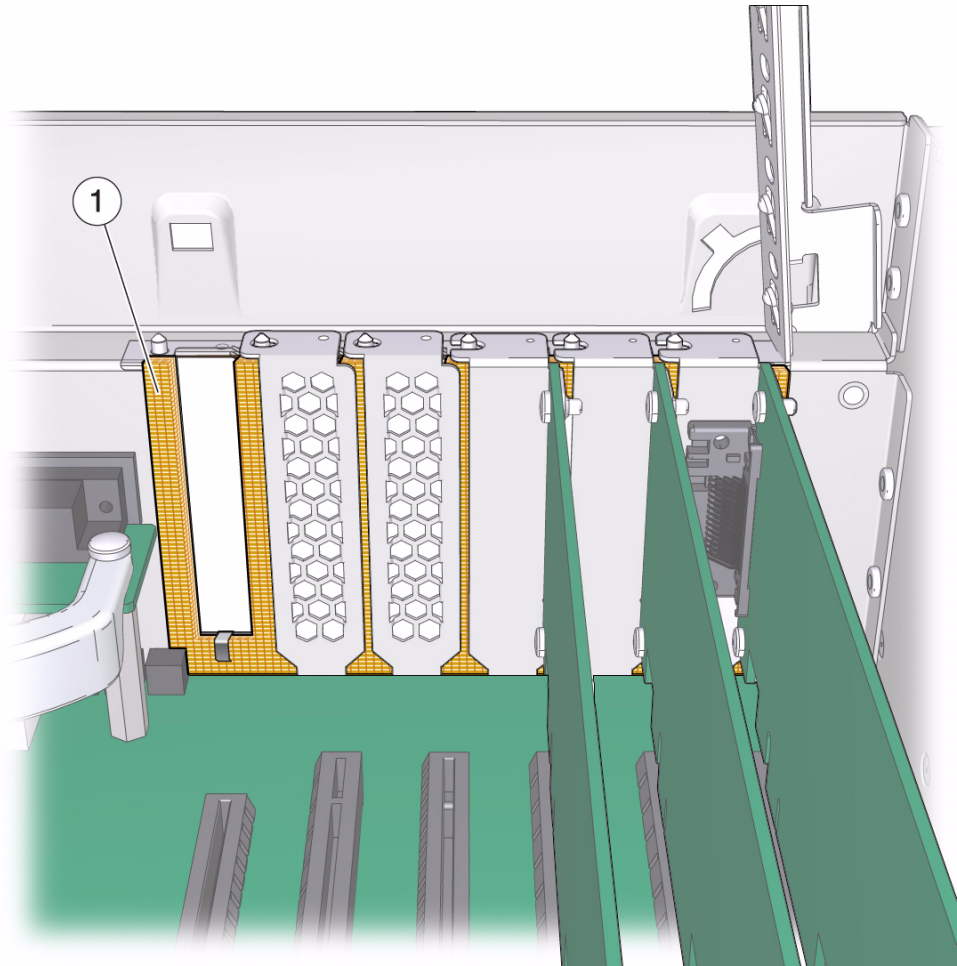
4. **Disengage the PCIe crossbar that secures the six-slot PCIe slot bank, and remove the PCIe filler panel from the NM slot.**

When facing the server, the six-slot PCIe slot bank is on the right, and the NM slot is the far left PCIe slot.



**5. Inspect the PCIe slot gasket in the empty NM slot.**

- If the gasket contains fabric-covered foam between the PCIe slots (see the following figure), the server contains newer PCIe slot gaskets that you do not need to replace. Skip to [“Install the Network Module” on page 9](#).
- If the gasket does not have fabric-covered foam between the PCIe slots, continue to [“Replace the PCIe Slot Gaskets” on page 5](#).

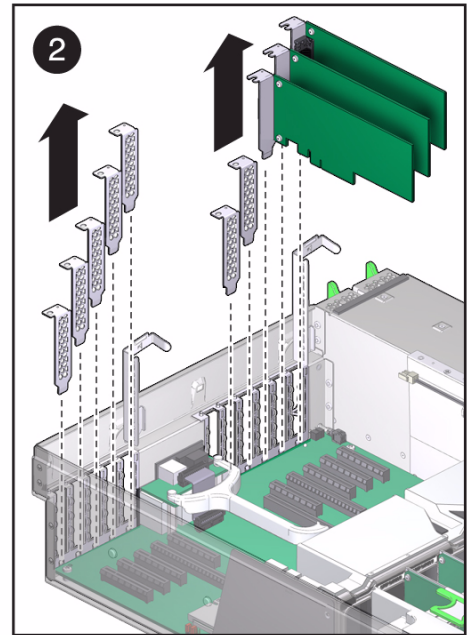
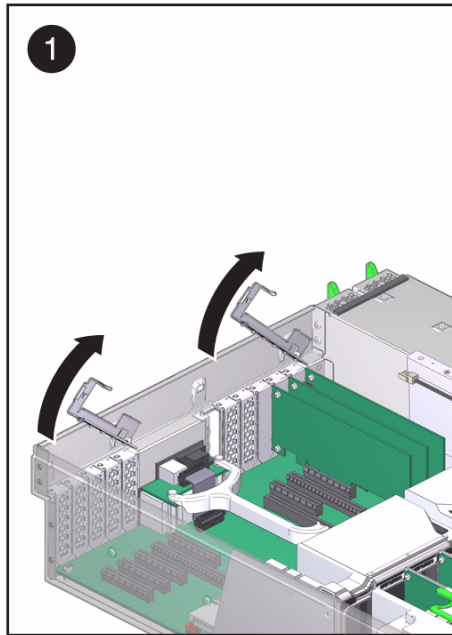


**Figure Legend**

- 
- 1 Fabric-covered foam gaskets. Replacement is not necessary.
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## ▼ Replace the PCIe Slot Gaskets

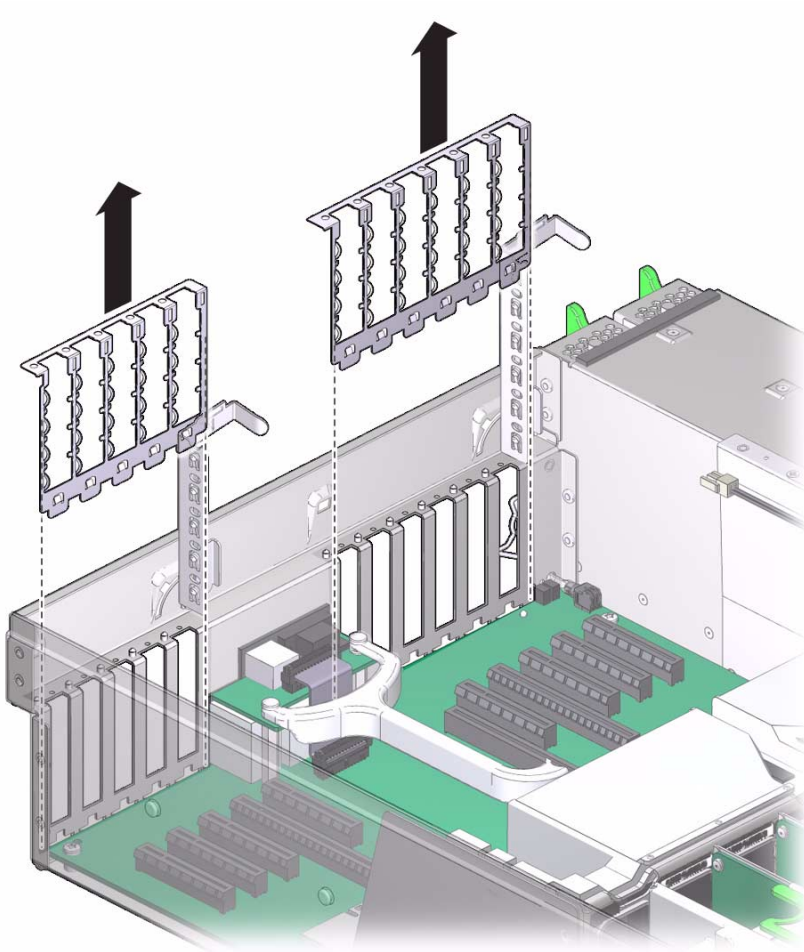
1. Make a note of which slots the existing PCIe cards are installed.
2. Disconnect all data cables from the PCIe cards.
3. Disengage the PCIe card slot crossbars from their locked position and rotate them up to an upright position.



4. Carefully remove the PCIe cards from the server and place them on an antistatic mat.
5. Remove all PCIe filler panels from any unused PCIe slots.

**6. Carefully lift the PCIe slot gaskets up and out of the server.**

While removing the PCIe slot gaskets, you might need to disengage the gaskets from the chassis by pressing the gasket snaps located under the numbered PCIe slot labels on the rear of the server.





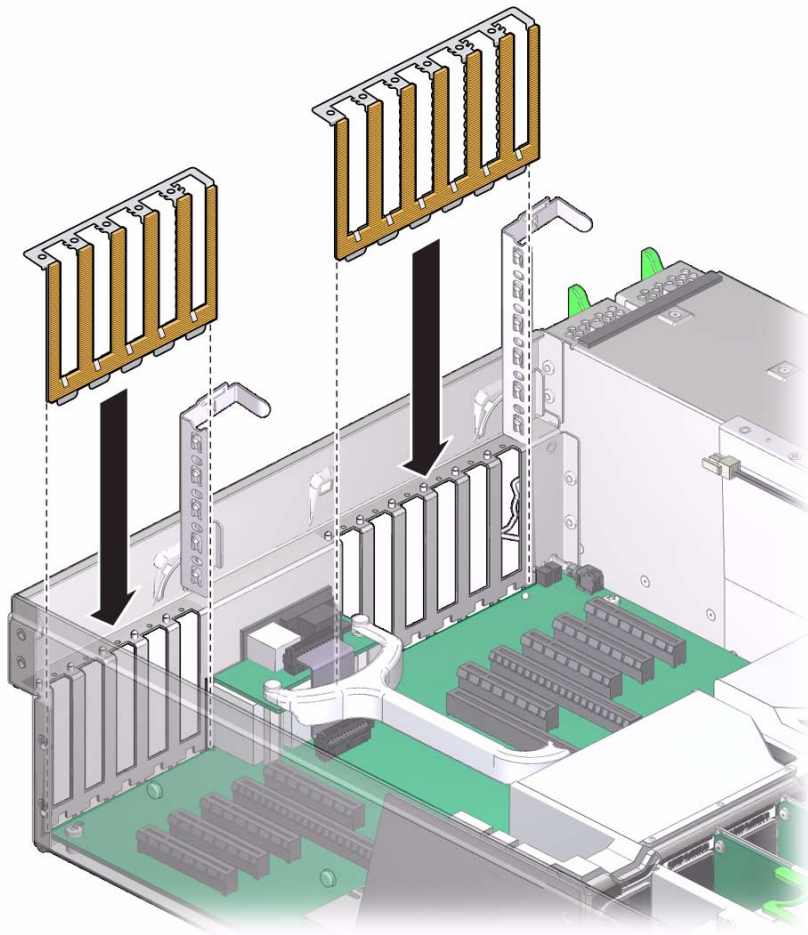
7. Carefully insert the new PCIe slot gaskets over the PCIe slot banks, and press down to secure them to the server.

Install the six-slot gasket over the right PCIe slot bank (when facing the front of the server), and install the five-slot gasket over the left PCIe slot bank.

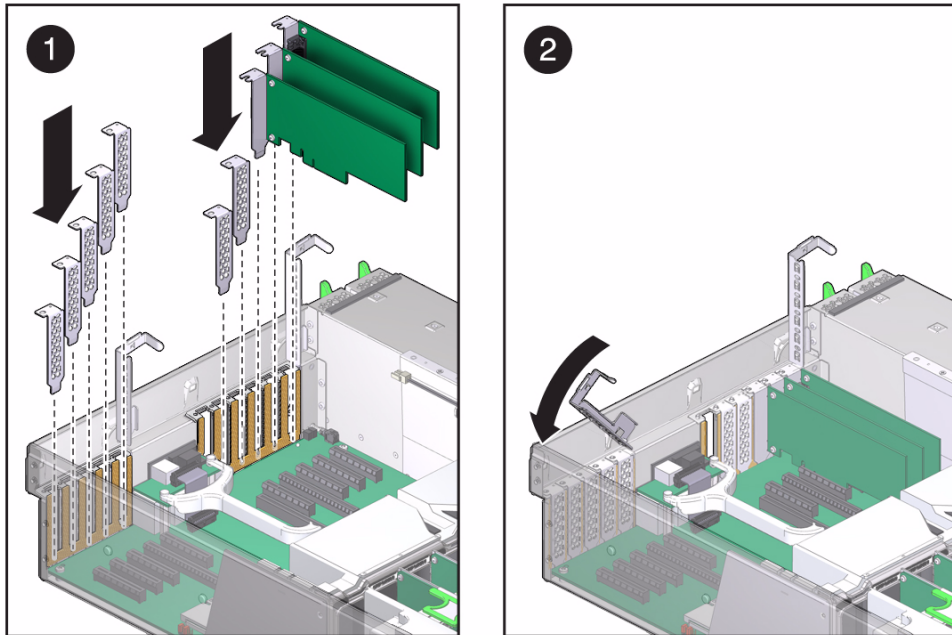
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**Note** – The new PCIe slot gaskets included with your network module might not look exactly like the ones shown in the following illustration. Install the gaskets that shipped with your network module.

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8. Reinstall all of the PCIe cards that you removed earlier into their proper slots.



9. Reinstall PCIe filler panels in every open PCIe slot.

10. Rotate the left PCIe slot crossbars down to return it to a closed and locked position.

Continue to [“Install the Network Module”](#) on page 9.

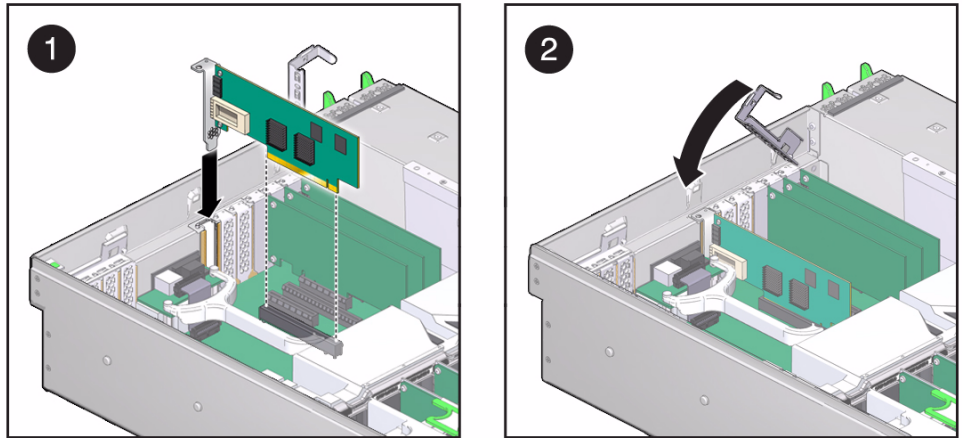
## ▼ Install the Network Module

### 1. Install the network module into the PCIe slot labeled NM.

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**Note** – You must install the network module into the dedicated NM slot, as it will not operate in any other PCIe slot.

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### 2. Rotate the right PCIe slot crossbar down to return it to a closed and locked position.

### 3. Return the server to operation.

Refer to the server service manual for instructions to the following tasks:

- Install the top cover.
- Return the server to the normal rack position.
- Reconnect all power cords to the server power supplies.

### 4. Reinstall the cables to the PCIe cards.

Refer to the PCIe card documentation for instructions, and refer to the server installation guide for instructions on cabling the network module.

### 5. Power on the server.

Refer to the server service manual for instructions.

