Hewlett Packard
Enterprise

HPE ProLiant ML110 Gen9 Server

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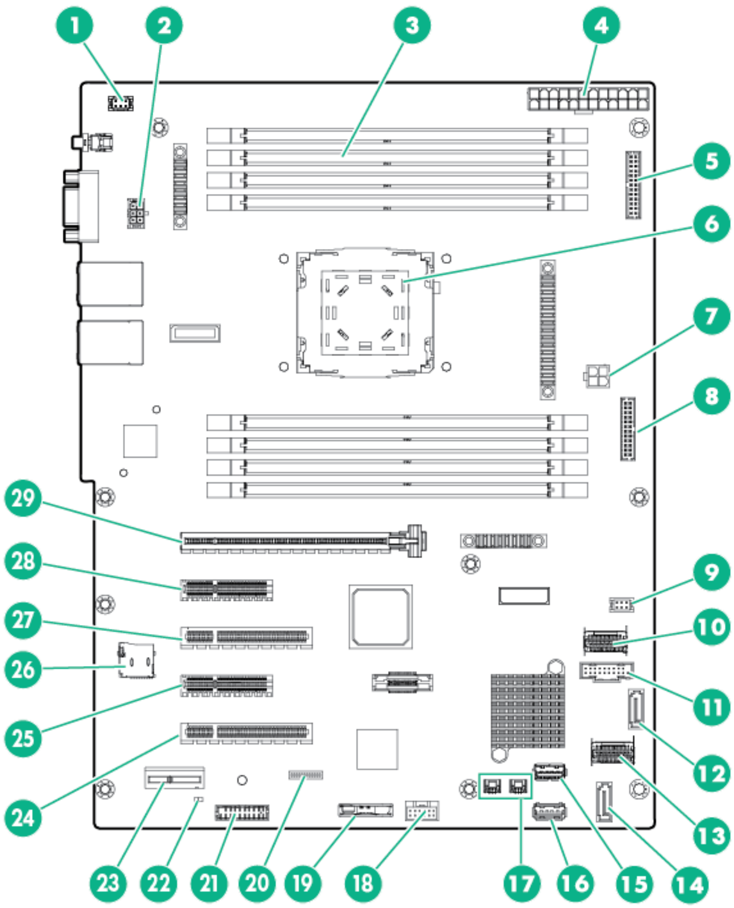
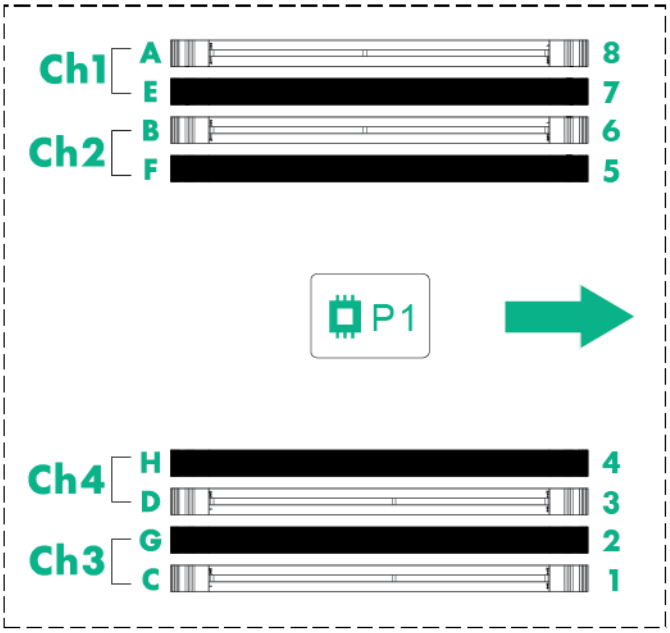


Item	Description

Item	Description



Position	Default	Function

Position	Default	Function

△ **CAUTION:**

1.
2. **F9**
3. **System Configuration → BIOS/Platform Configuration (RBSU) → System Options → SATA Controller Options → Embedded SATA Configuration Enter**
4. **Enable SATA AHCI Support Enter**
5. **F10**
6. **Y**

   `Change saved confirmation`
7. **Exit and resume system boot Enter**

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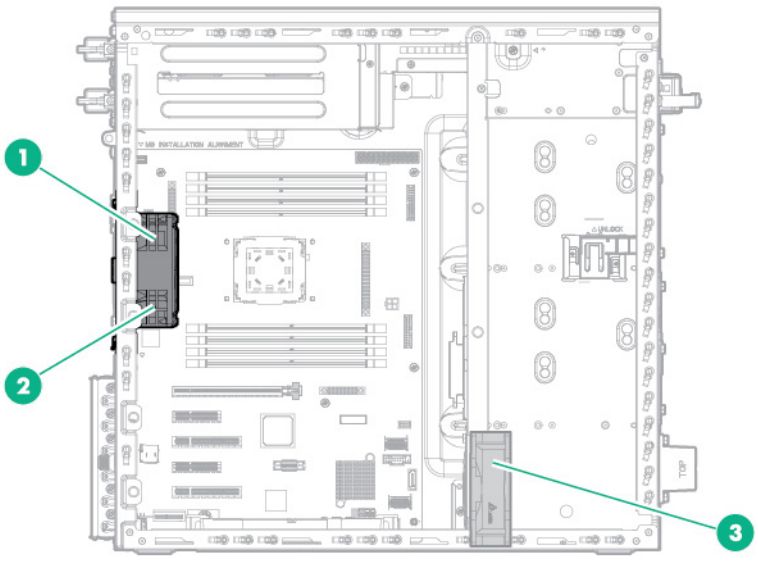
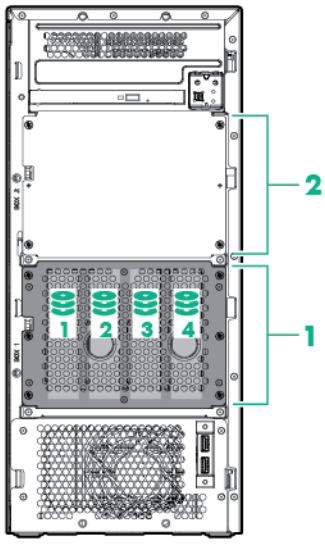
http://www.hpe.com/support/NMI-CrashDump



Item	Description

- 
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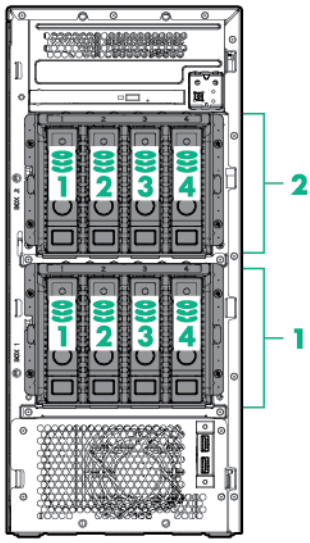
- 
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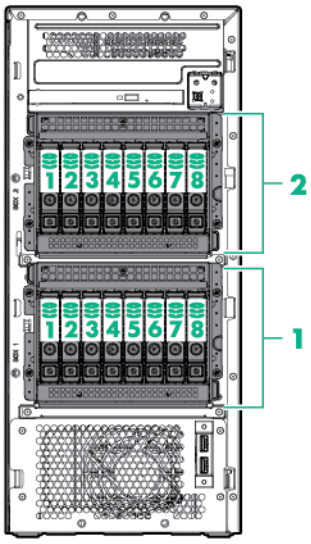

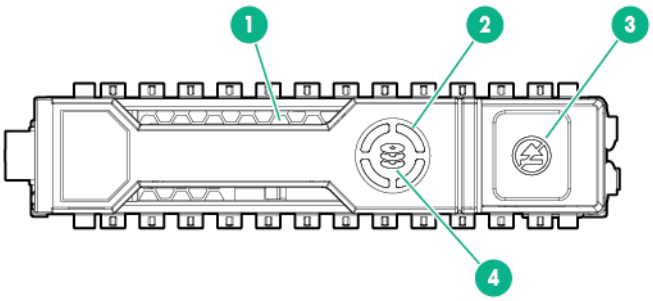

Item	LED	Status	Definition

Item	LED	Status	Definition

IMPORTANT:

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IMPORTANT:

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CAUTION:

CAUTION:

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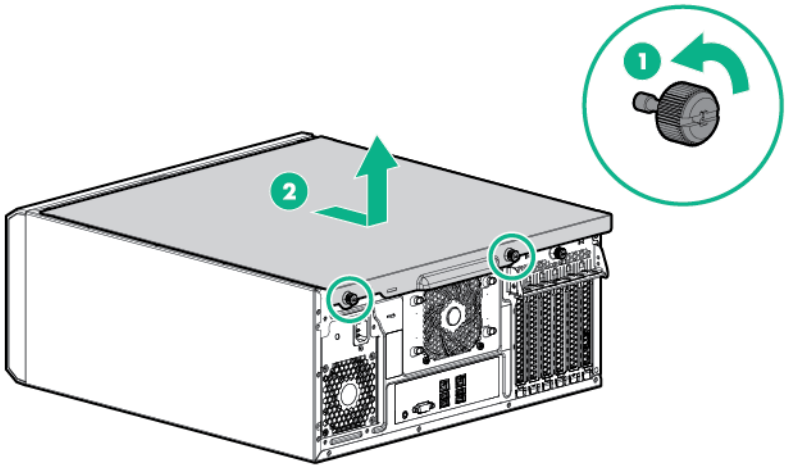

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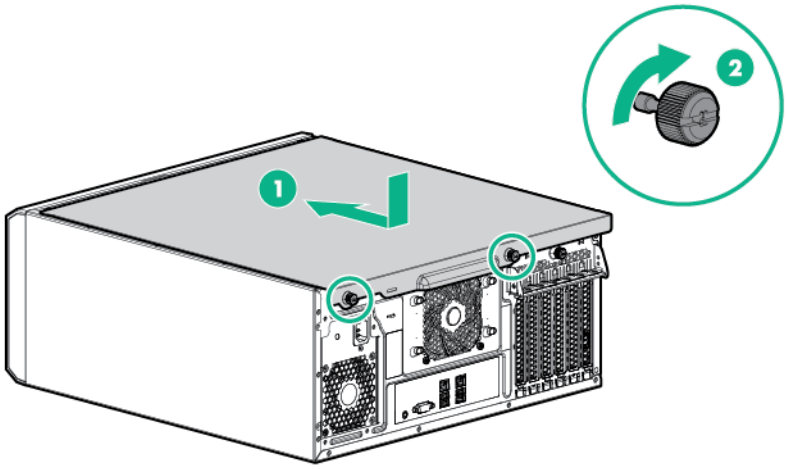

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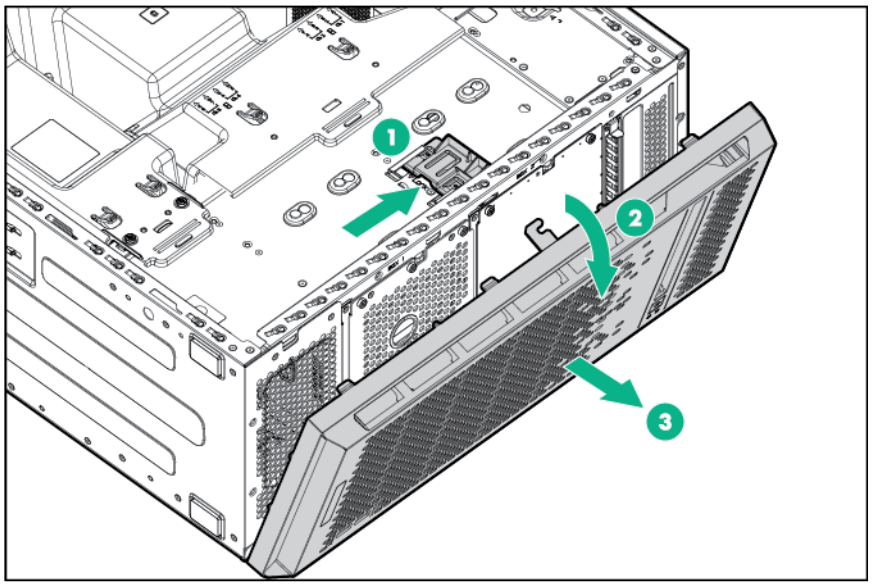

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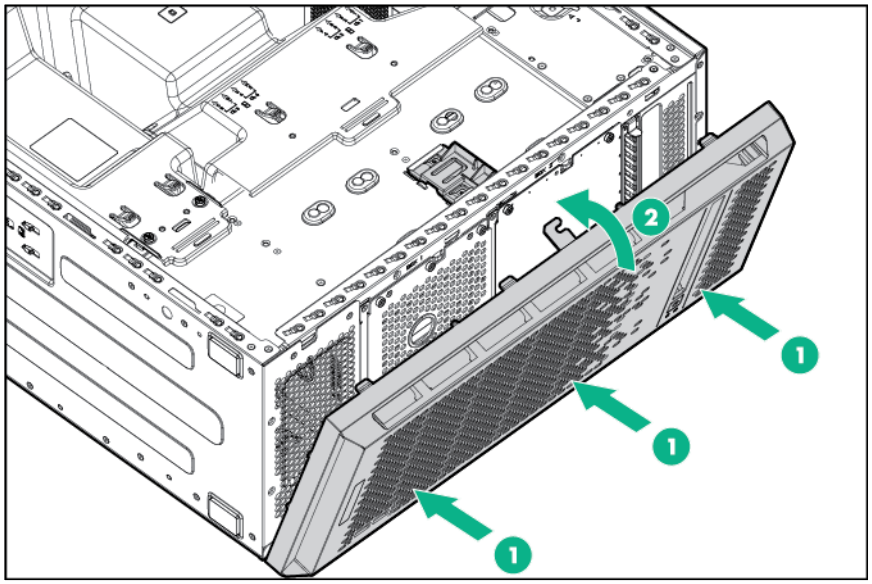

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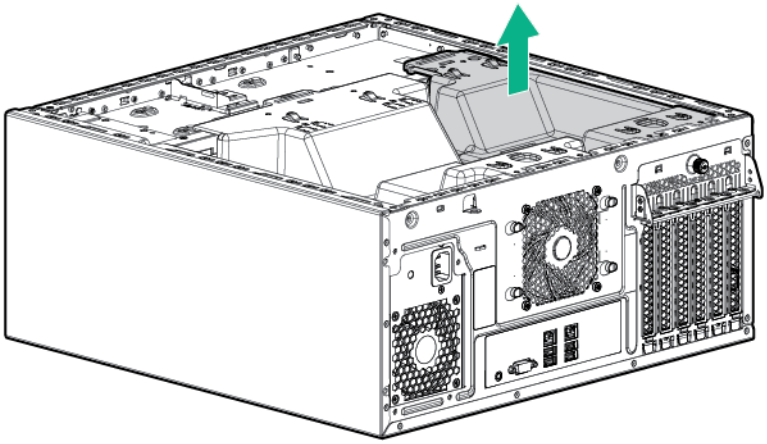

CAUTION:

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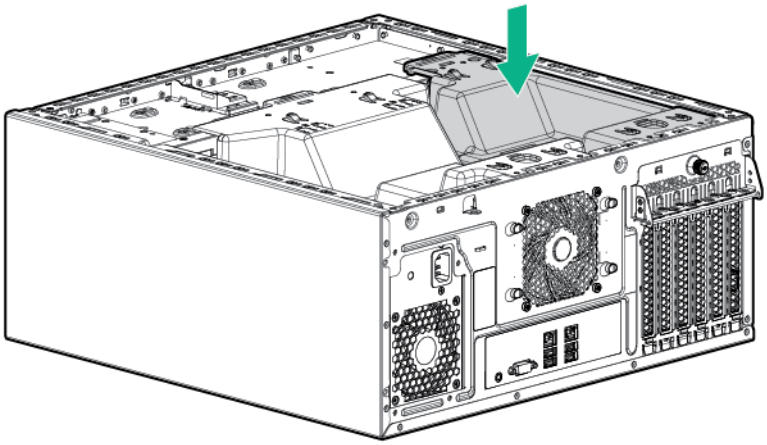

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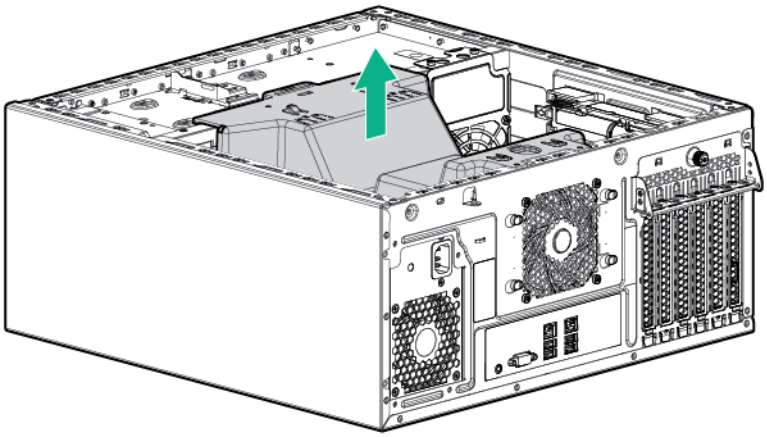

△ **CAUTION:**

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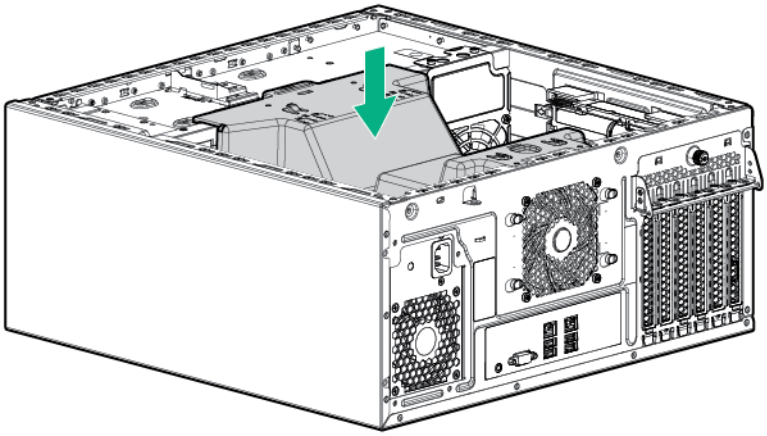

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http://www.hpe.com/services

Tower server

Rack server

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CAUTION:

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http://www.hpe.com/info/poweradvisor/online

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http://www.racksolutions.com/hp

⚠ **WARNING:**

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△ **CAUTION:**

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⚠ **WARNING:**

http://www.hpe.com/info/supportos

HPE UEFI Requirements
http://www.hpe.com/info/ProLiantUEFI/docs

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a.
b.
c. **F10**

d.

e. **Configure and Install**

f.

- **http://www.hpe.com/info/insightcontrol/docs**

  http://www.hpe.com/servers/spp/download

  http://www.hpe.com/info/ilo

1.
2.
   - **F9**
   - **F10**

     http://www.hpe.com/info/ProLiantUEFI/docs

     http://www.hpe.com/info/register

⚠ **WARNING:**

△ **CAUTION:**

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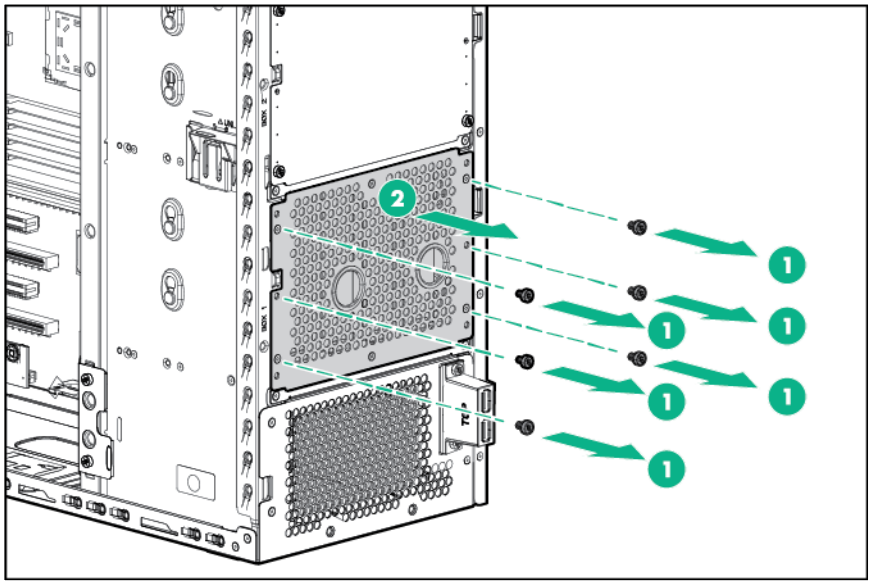

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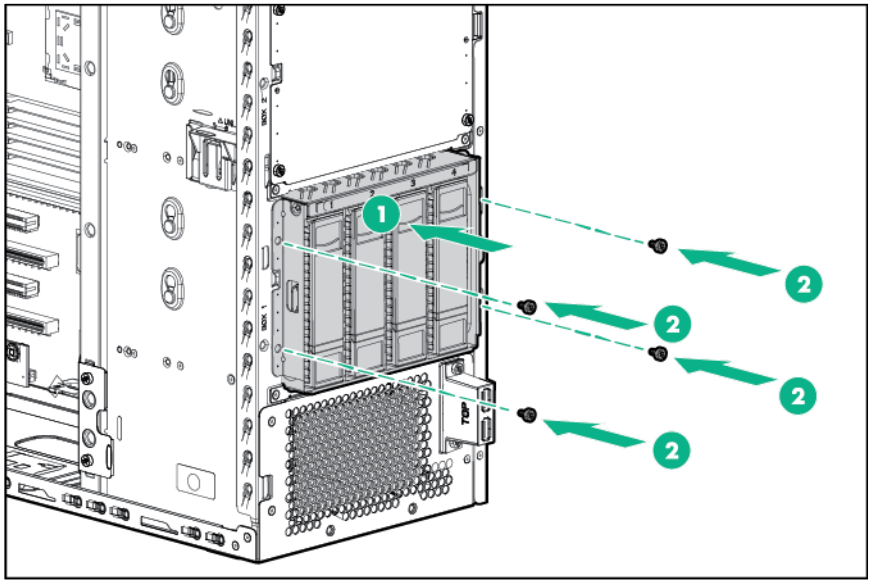

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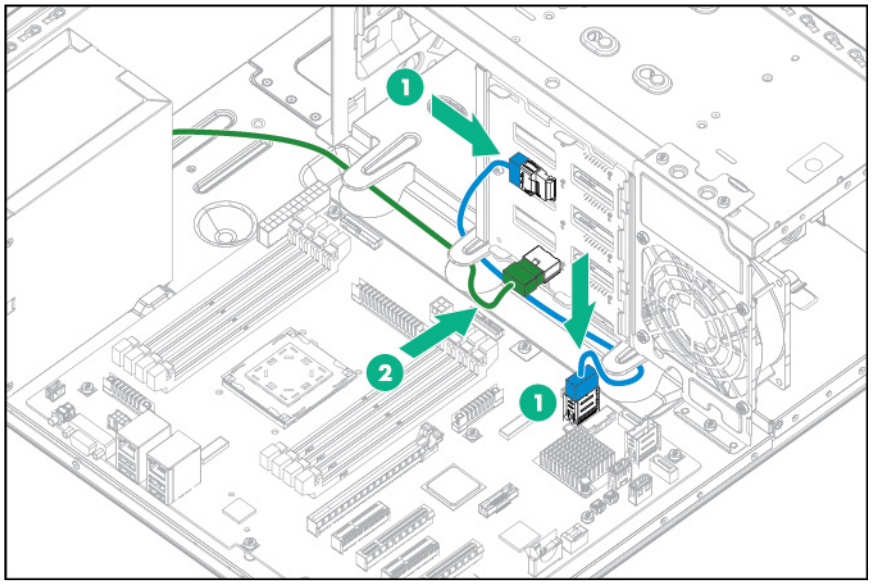

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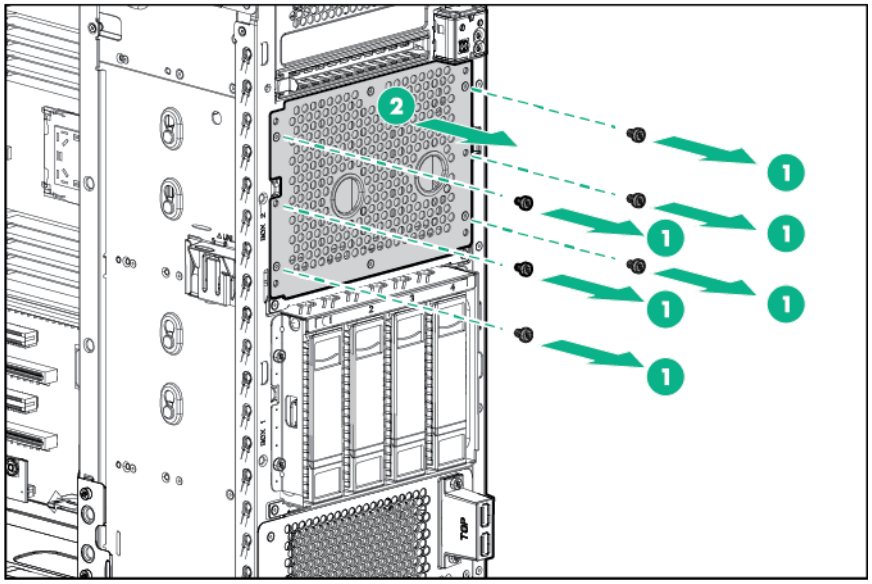

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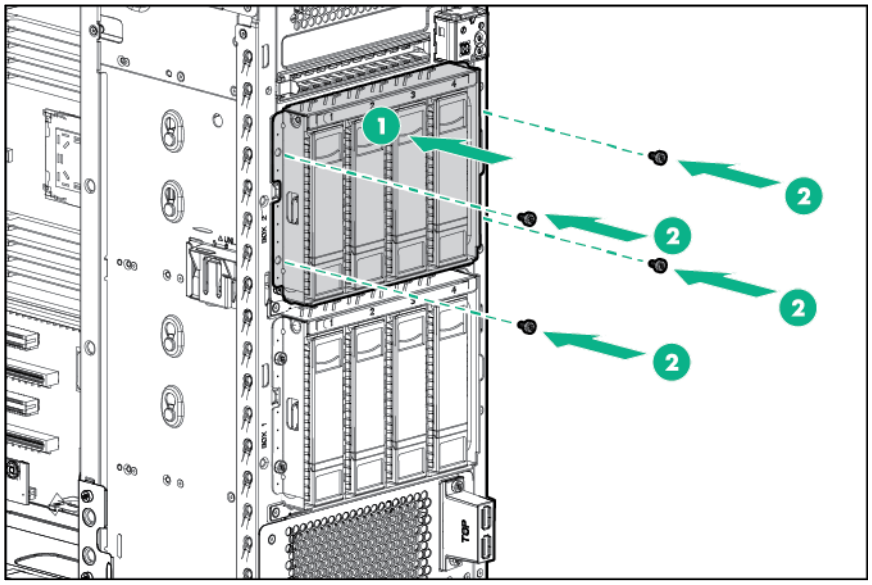

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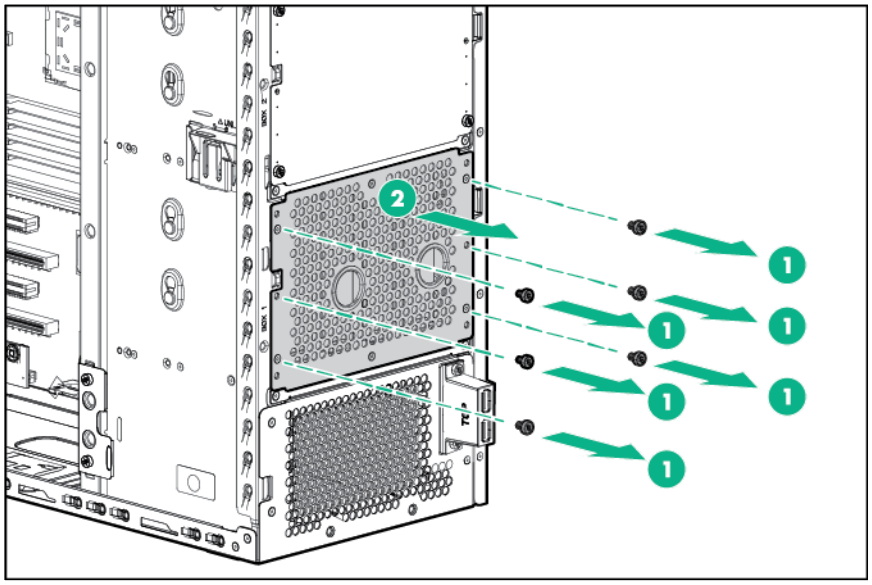

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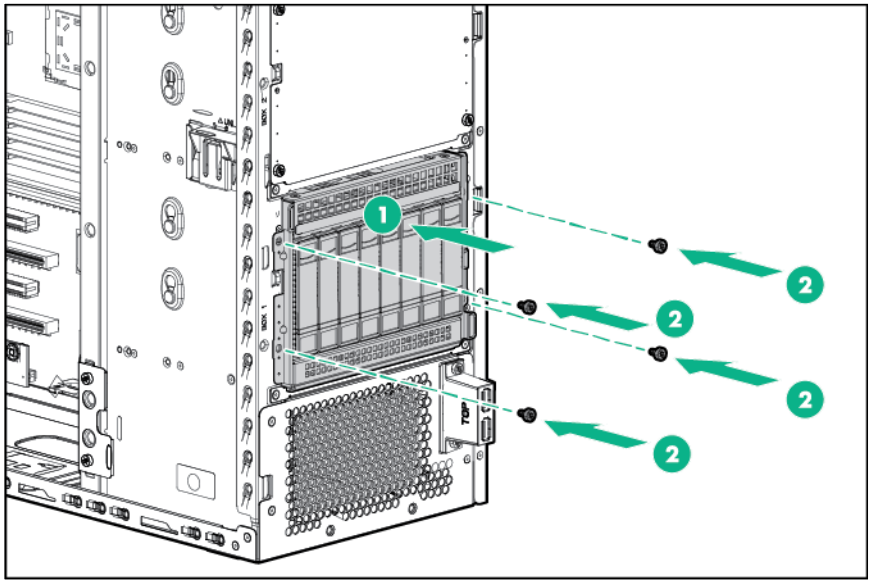

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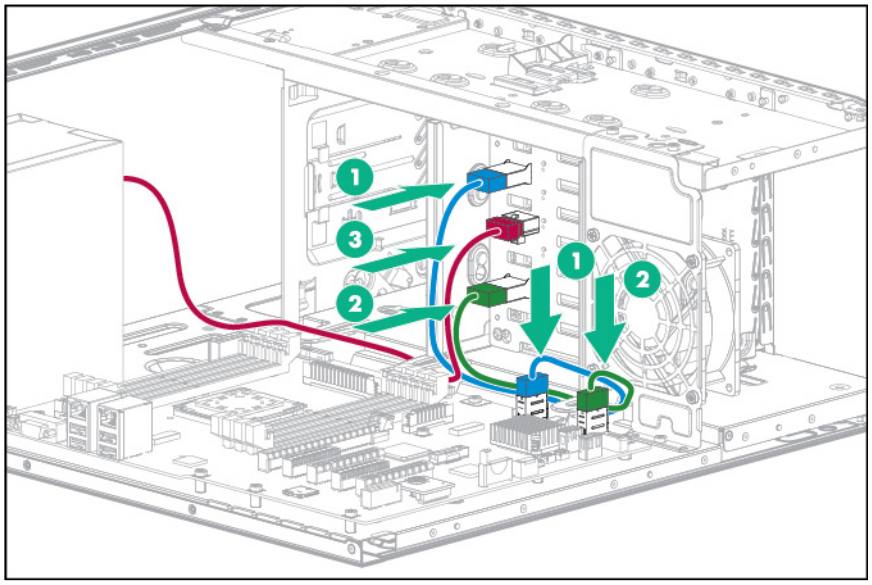

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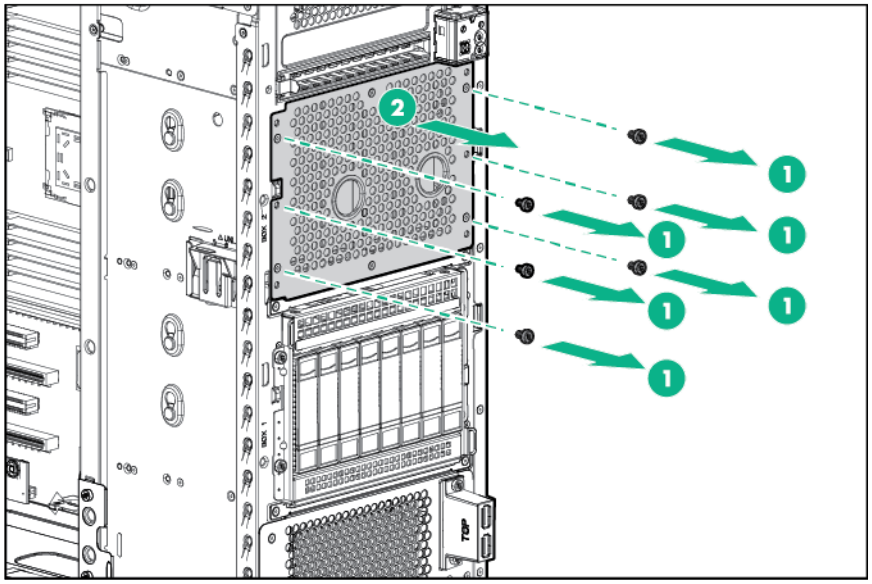

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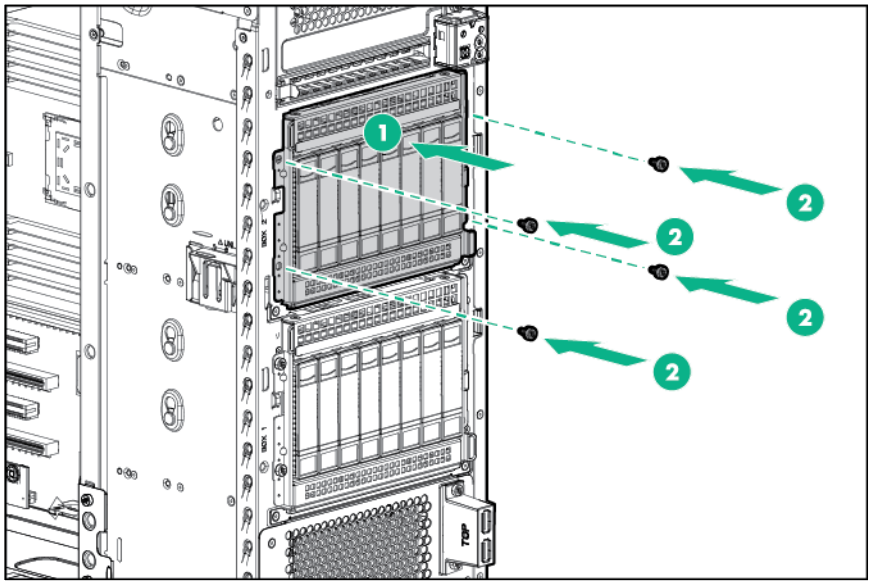

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http://www.hpe.com/info/qs

- If installing a drive in a server that previously has no drive installed, reboot the server after the new drive installation. This action enables the drive thermal protection feature. This feature applies to all drives supported in this server.
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CAUTION:

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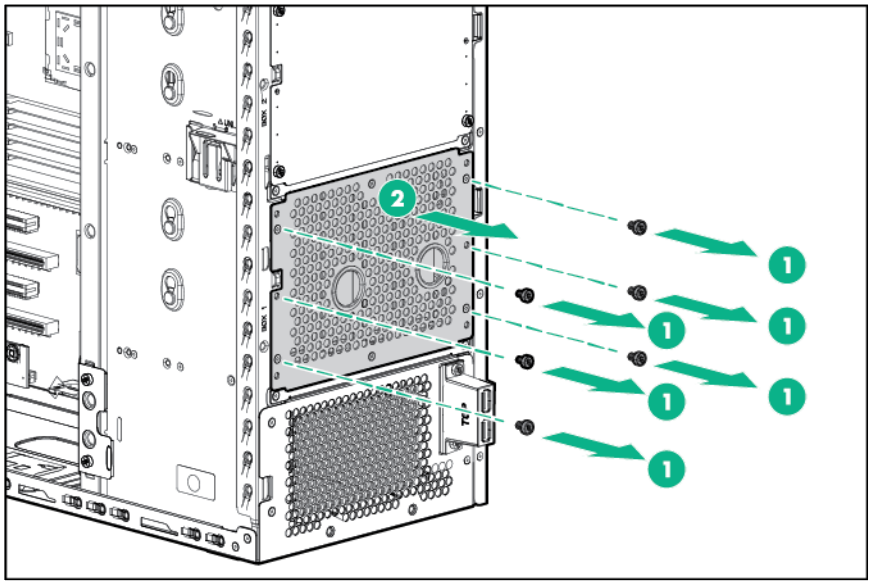

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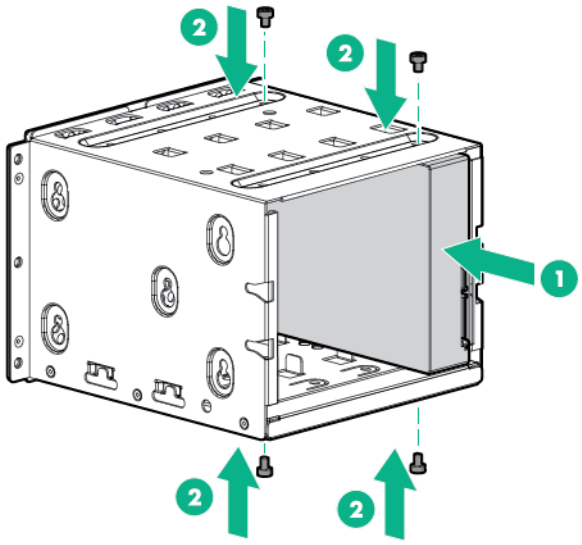

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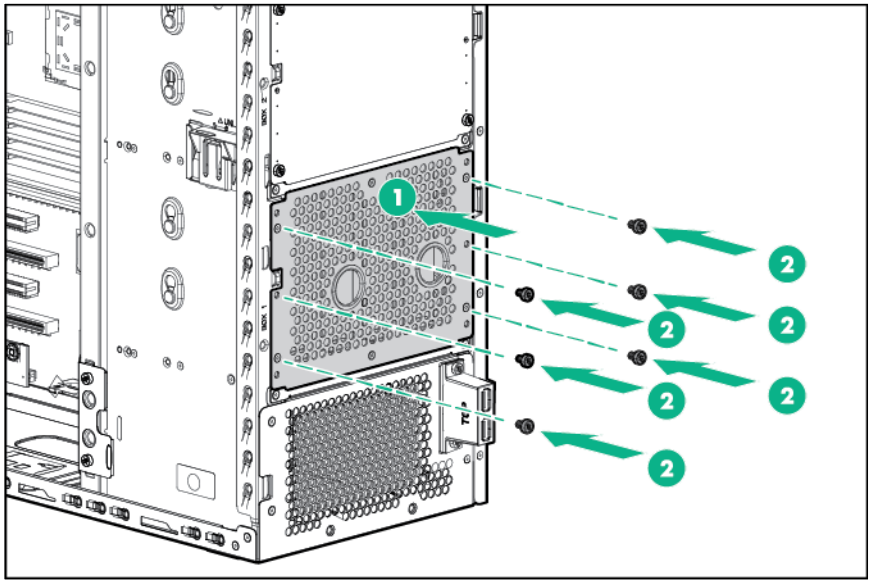

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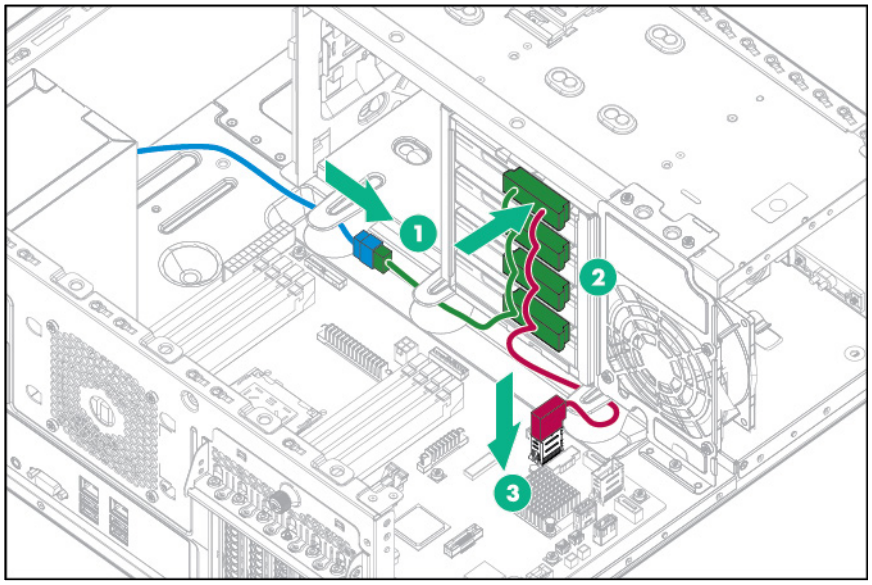

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△ **CAUTION:**

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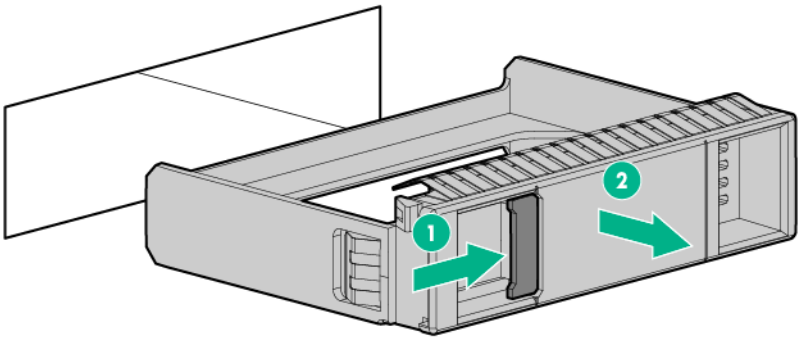

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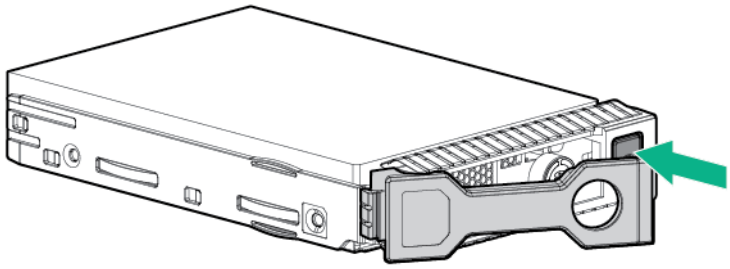

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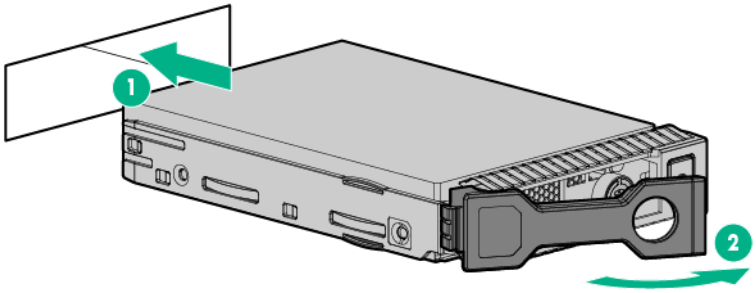

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HPE Smart Storage Administrator User Guide
http://www.hpe.com/info/smartstorage/docs

http://www.hpe.com/info/qs

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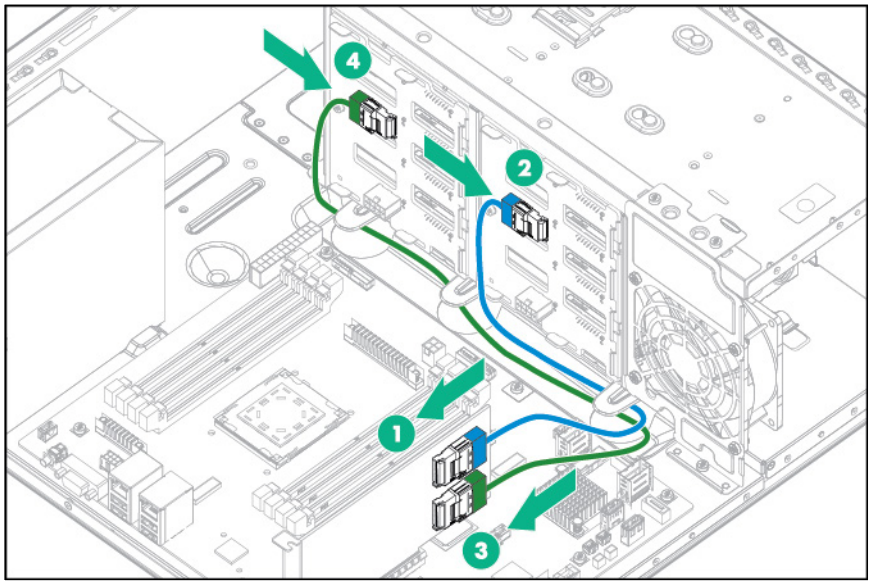
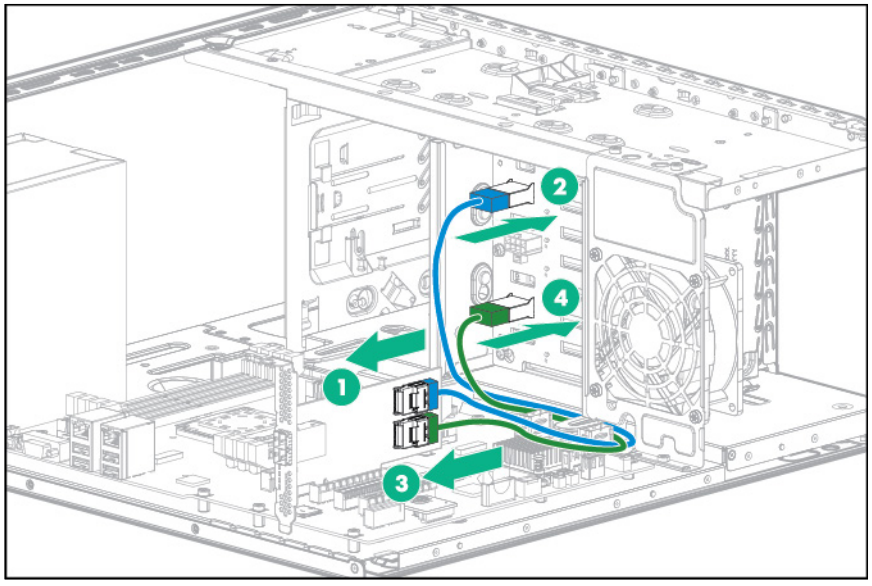
- 

Item	Description

- 

Item	Description

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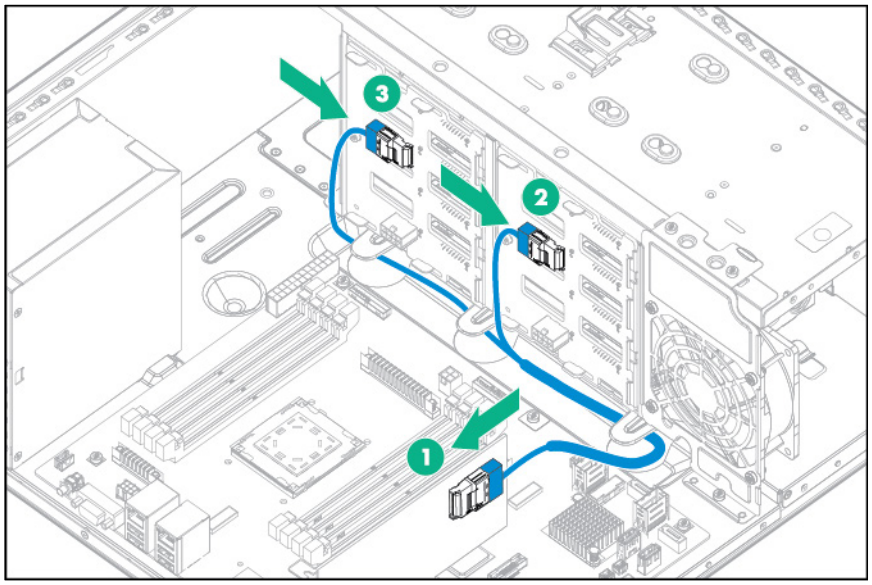

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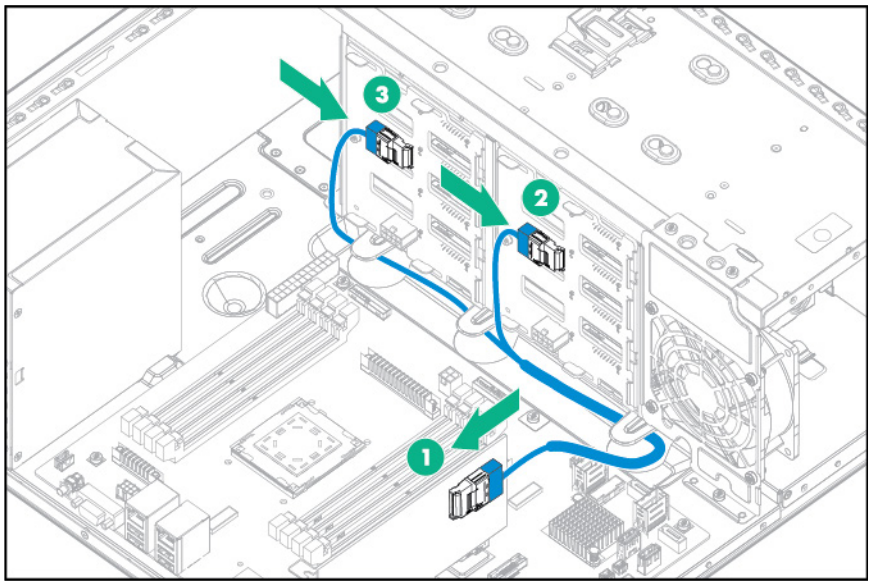

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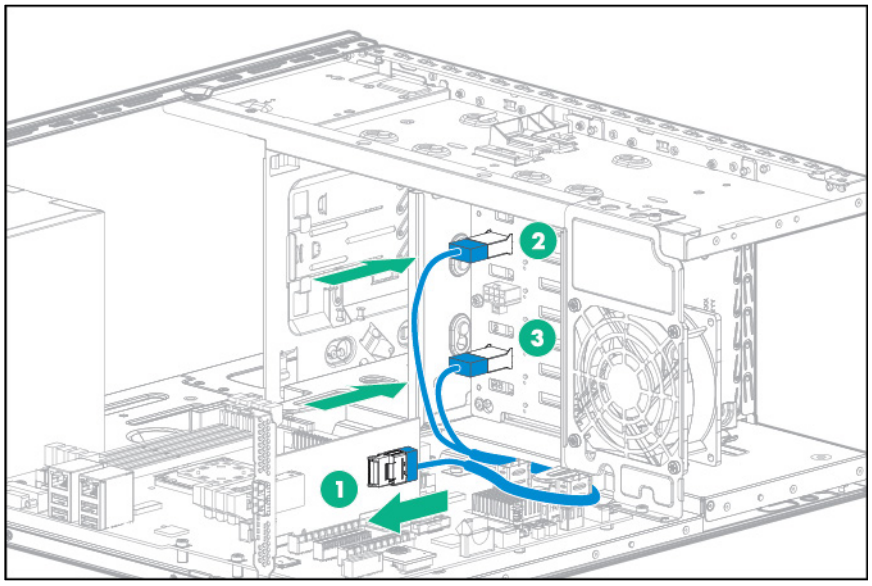

Item	Description

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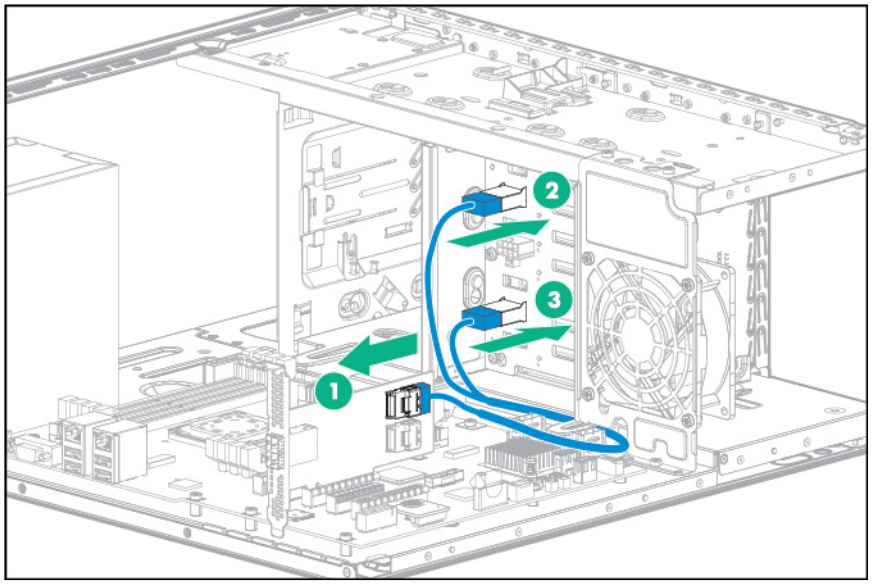

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HPE Dynamic Smart Array B140i RAID Controller User Guide
http://www.hpe.com/info/smartstorage/docs

http://www.hpe.com/info/qs

HPE Smart Storage Administrator User Guide
http://www.hpe.com/info/smartstorage/docs

△ **CAUTION:**

△ **CAUTION:**

△ **CAUTION:**

Install this storage controller/HBA option	In slot	Using this cable option

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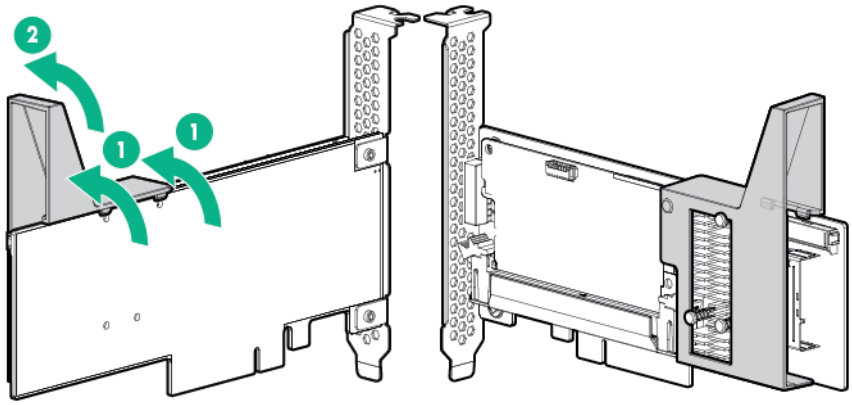
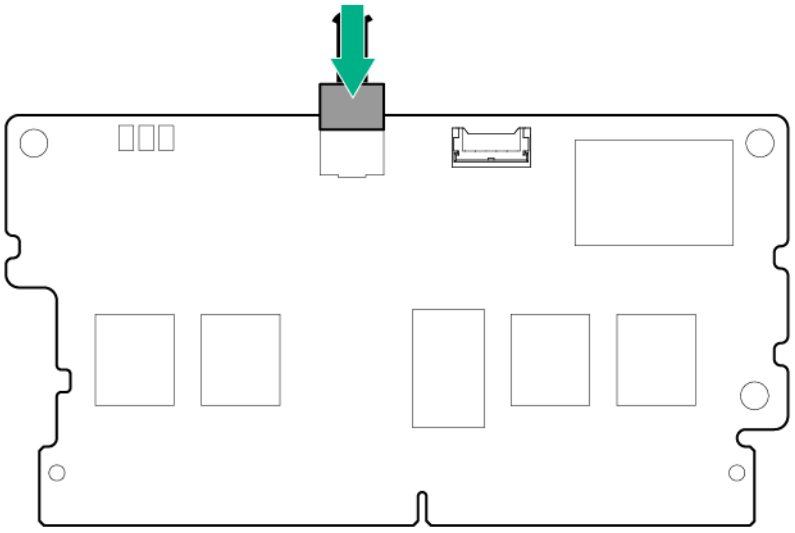
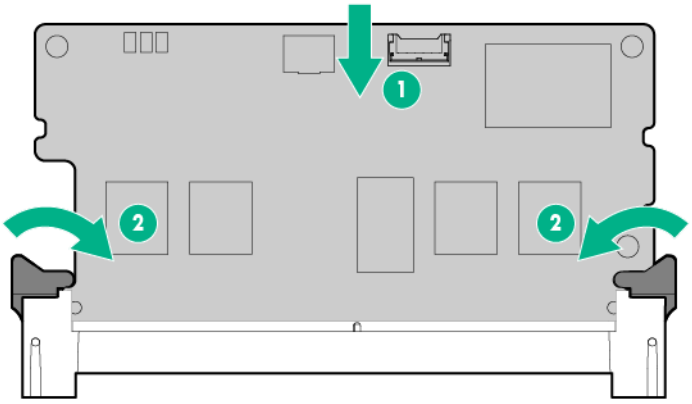


    b.



c.



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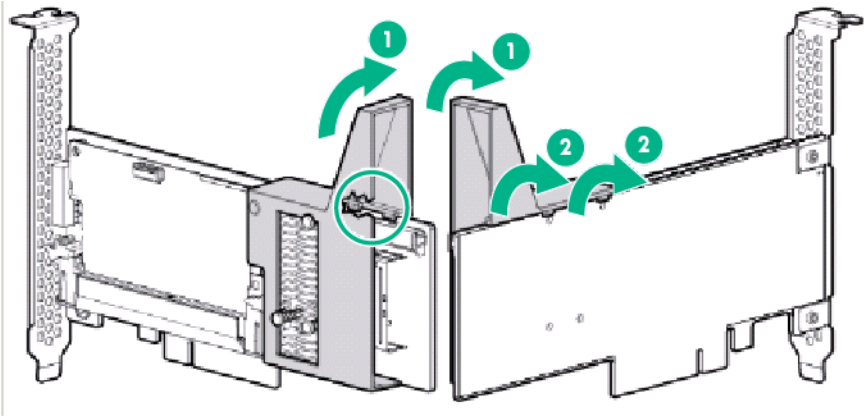

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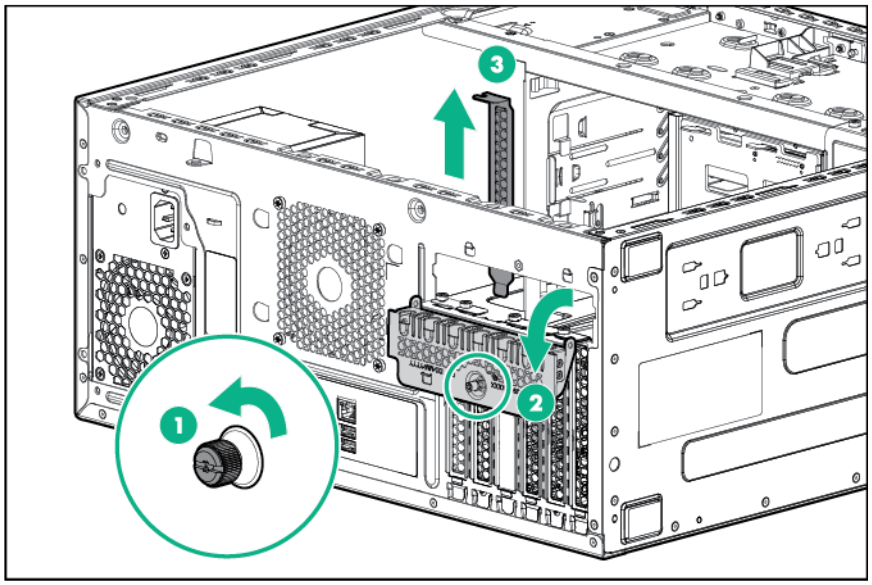

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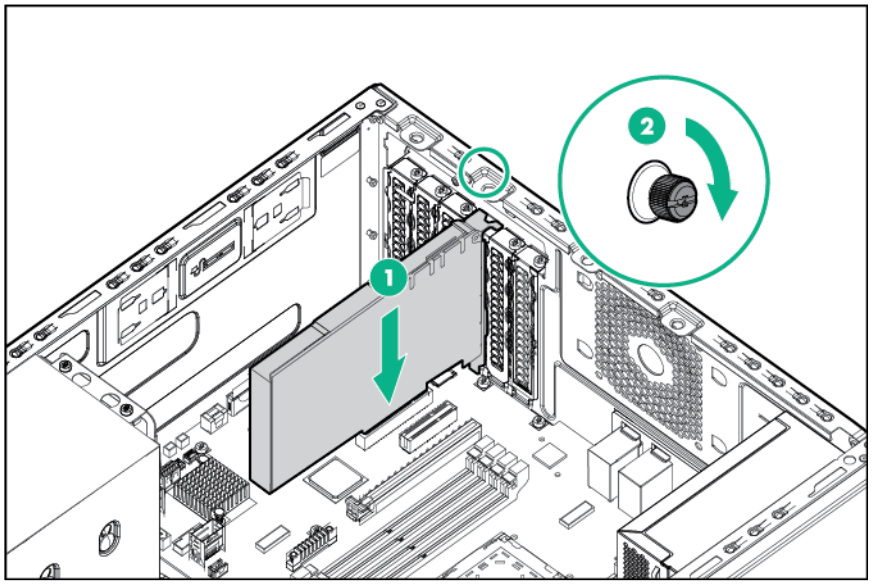

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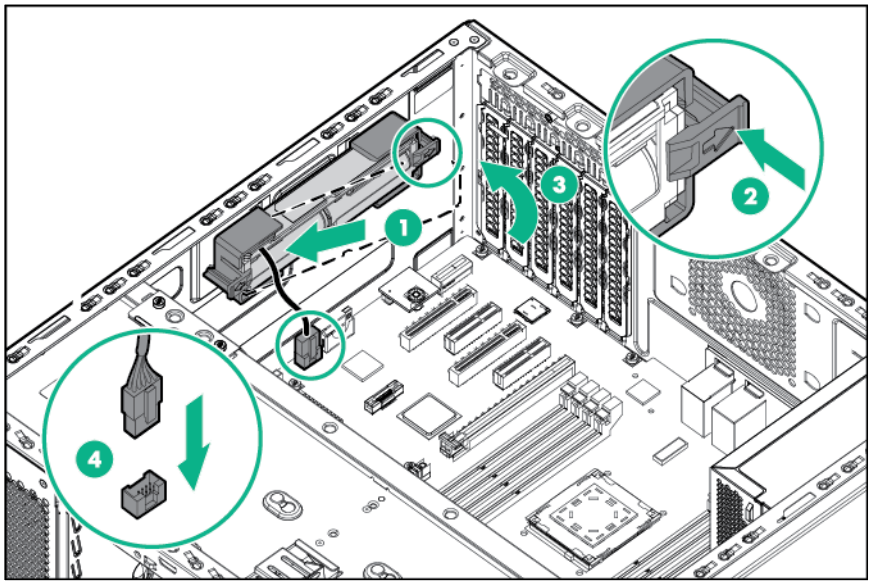

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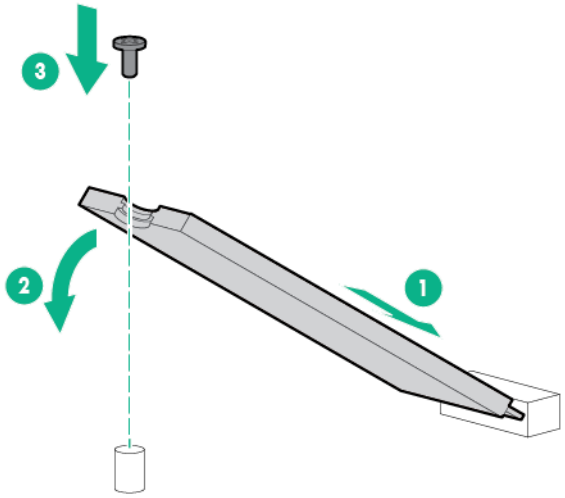

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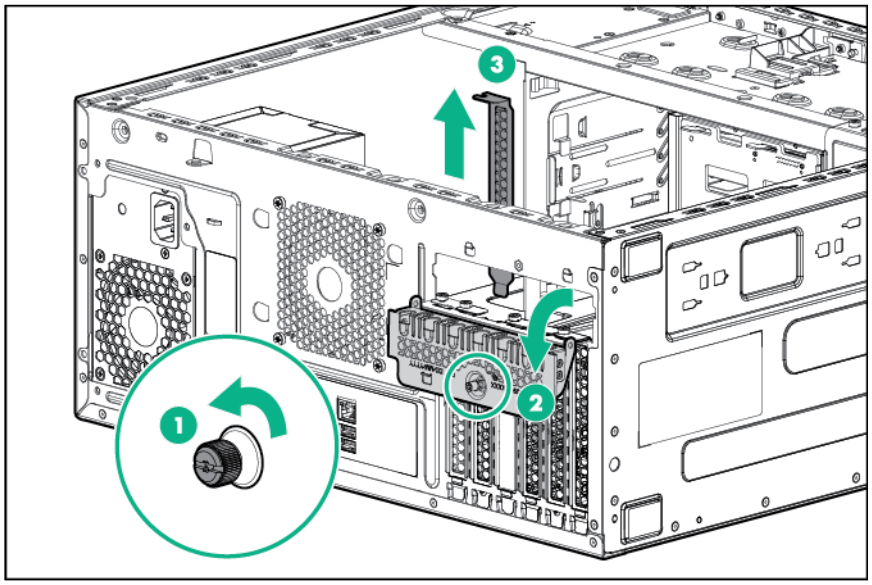

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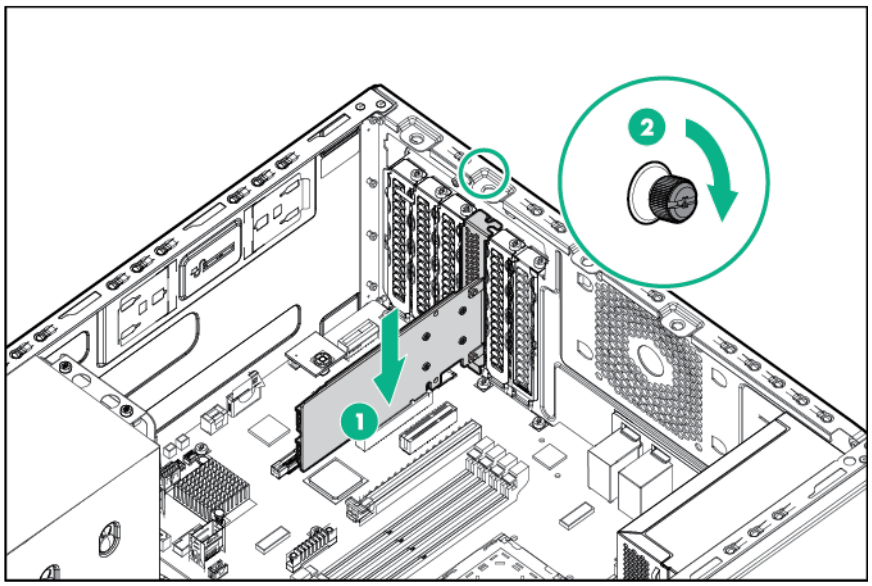

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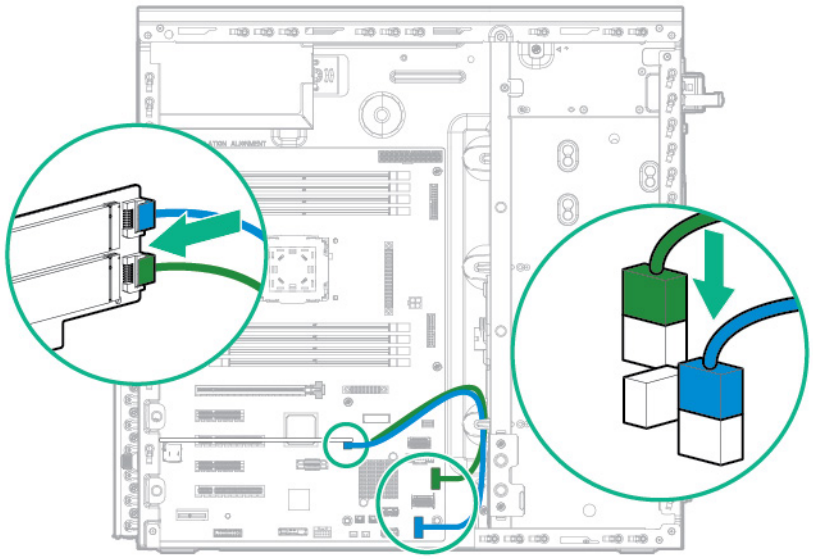

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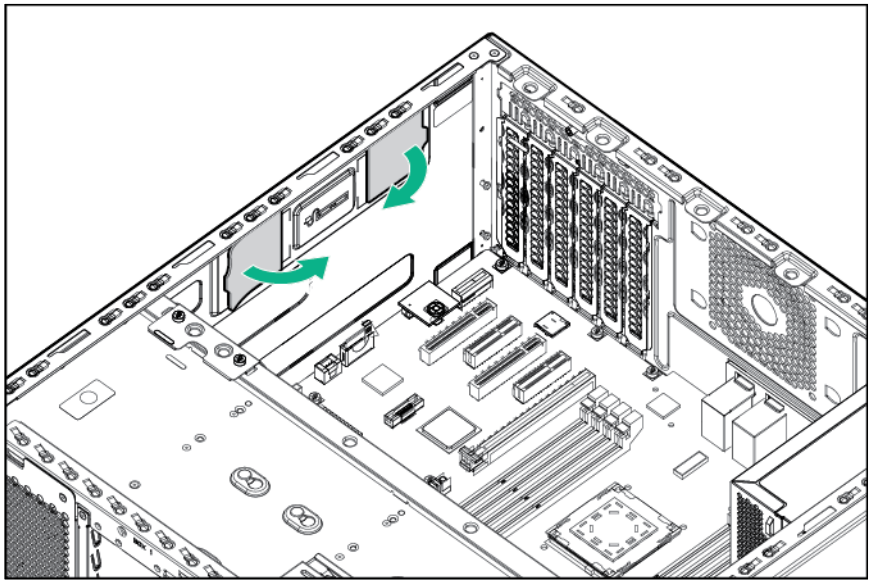

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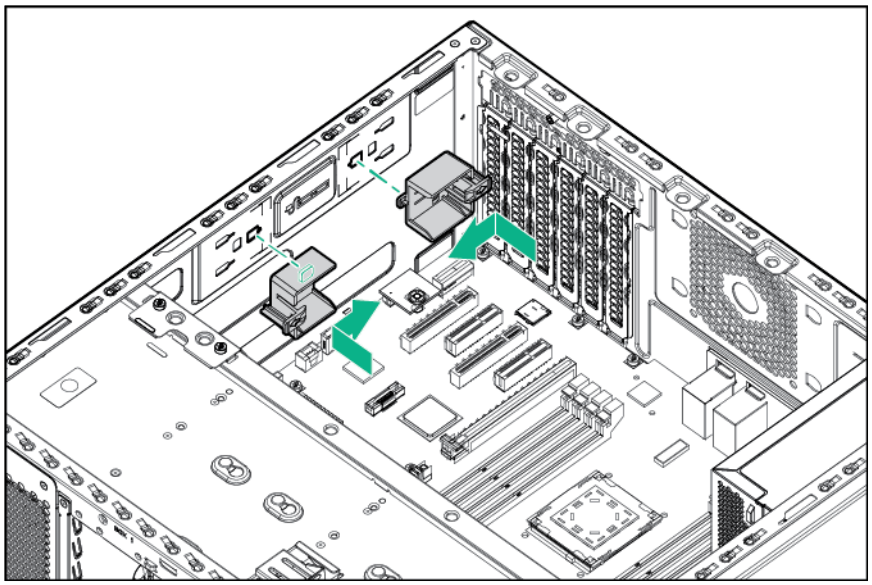

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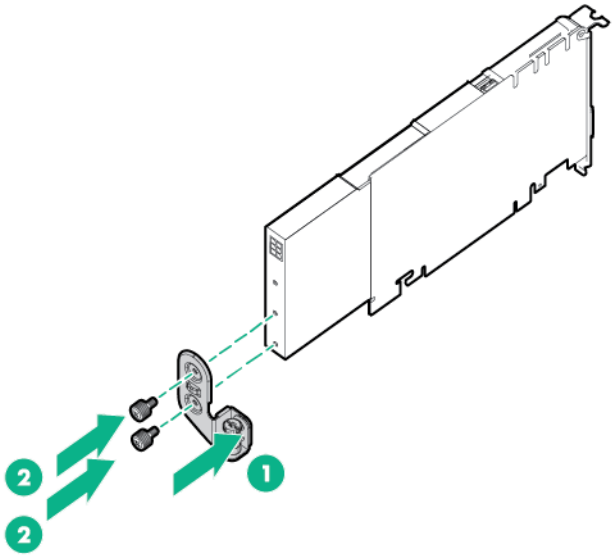

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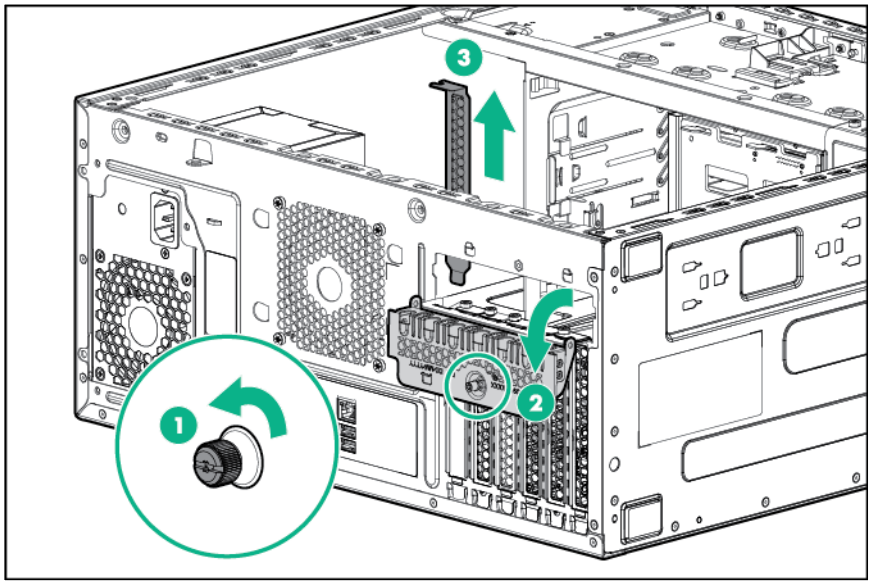

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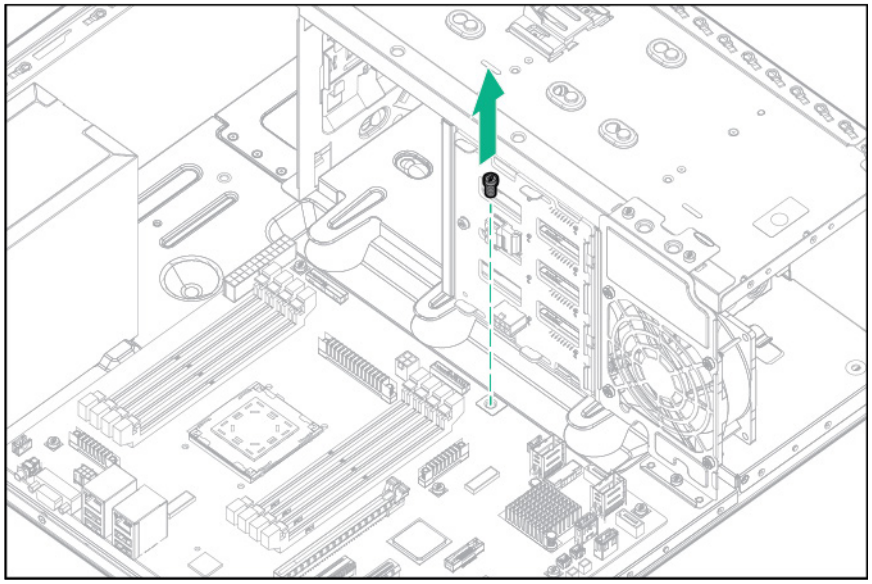

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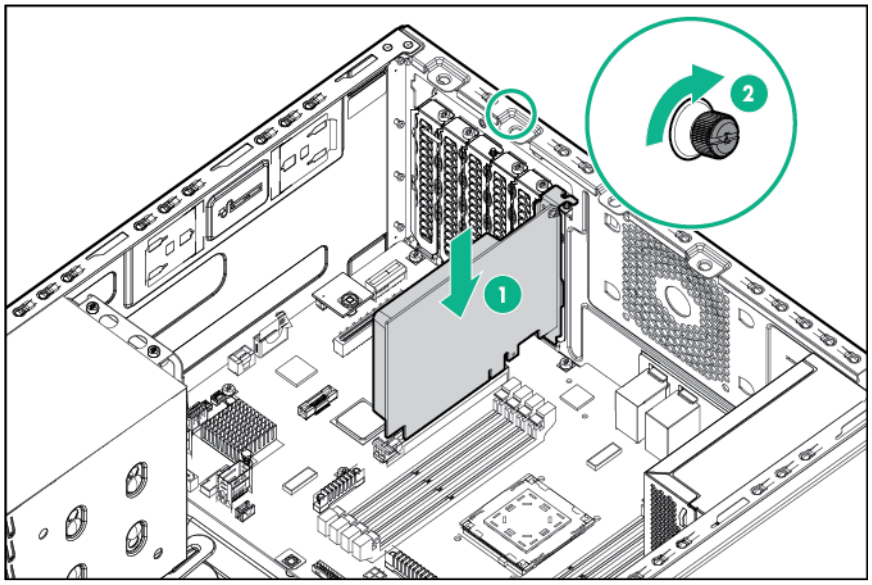
- 
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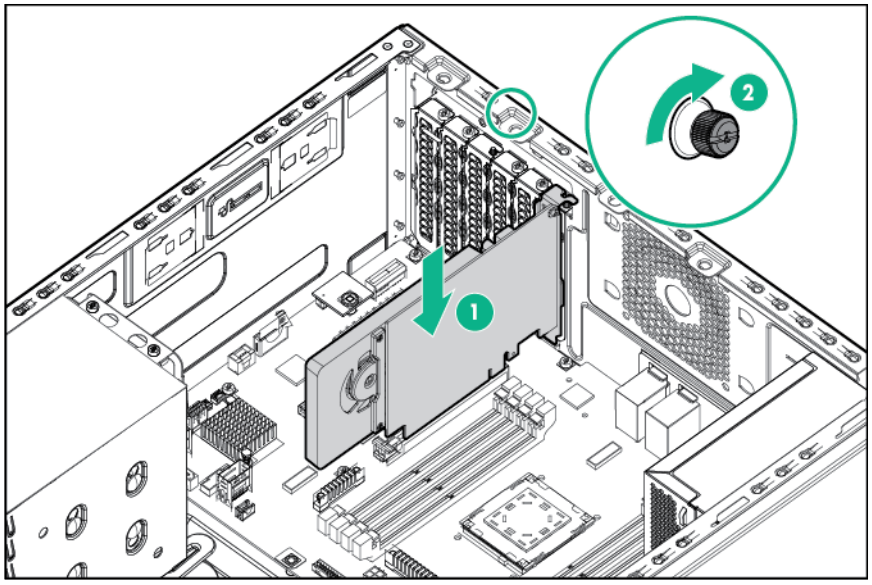
- 
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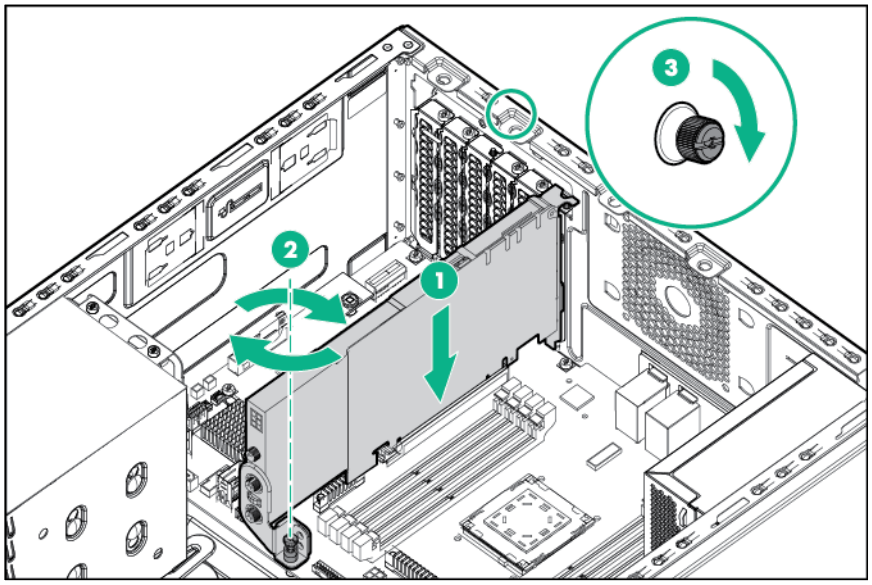

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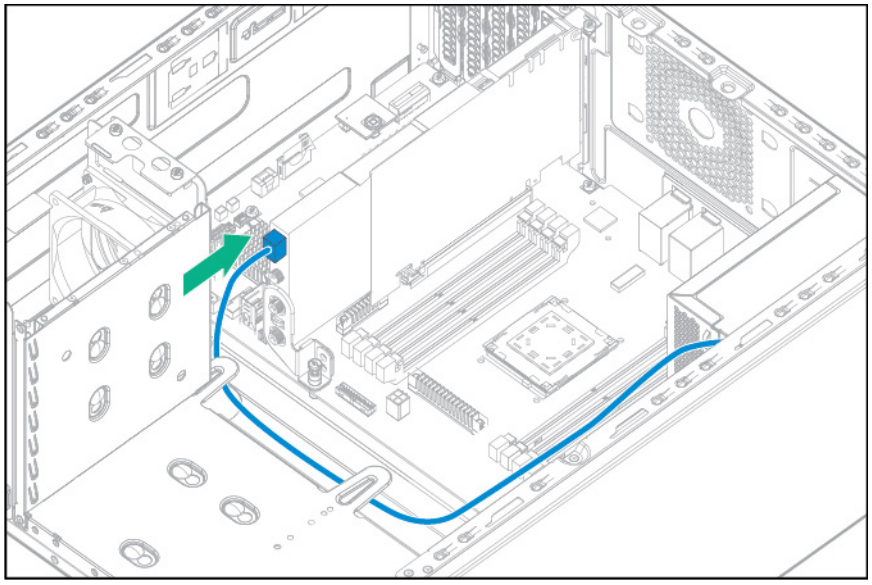

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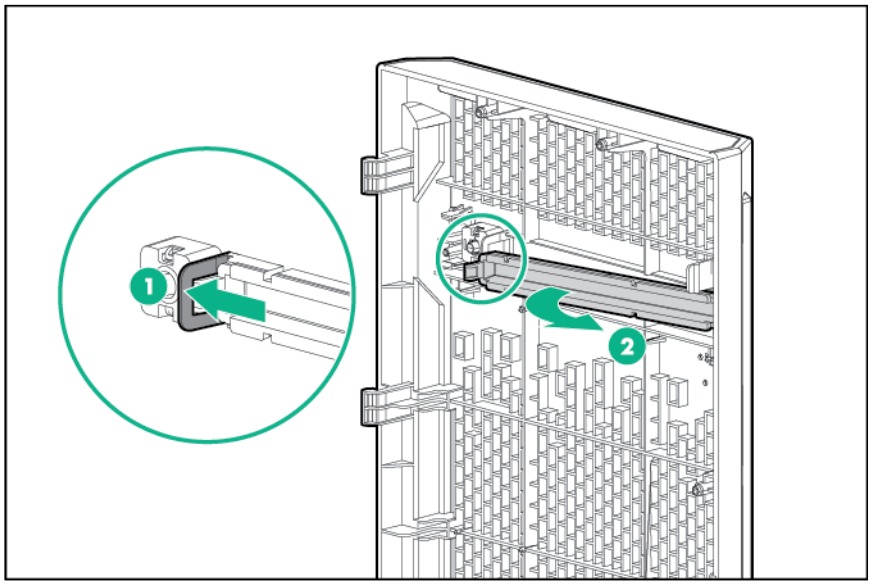

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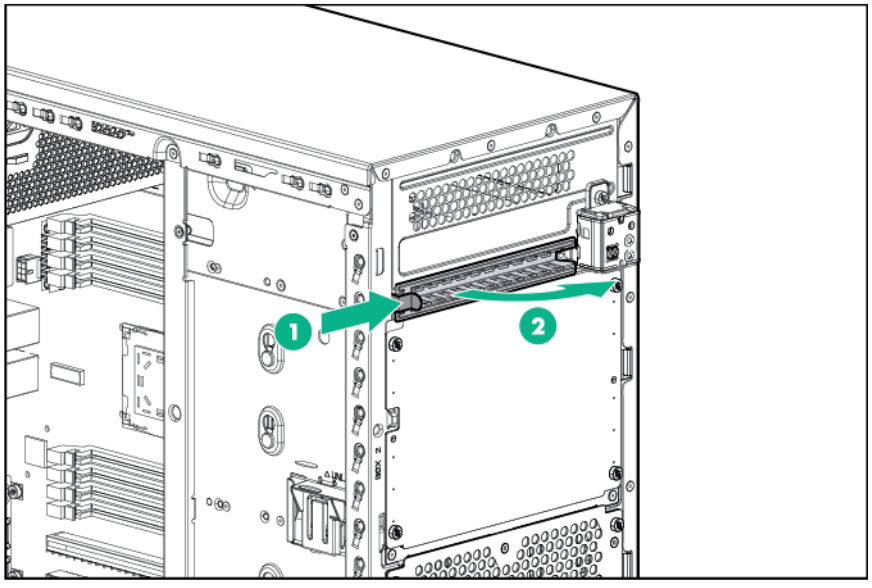

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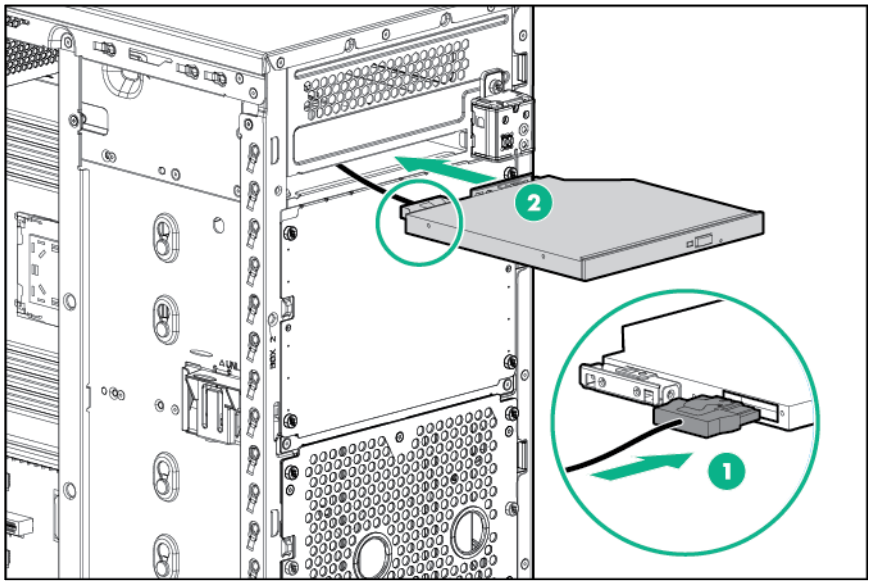

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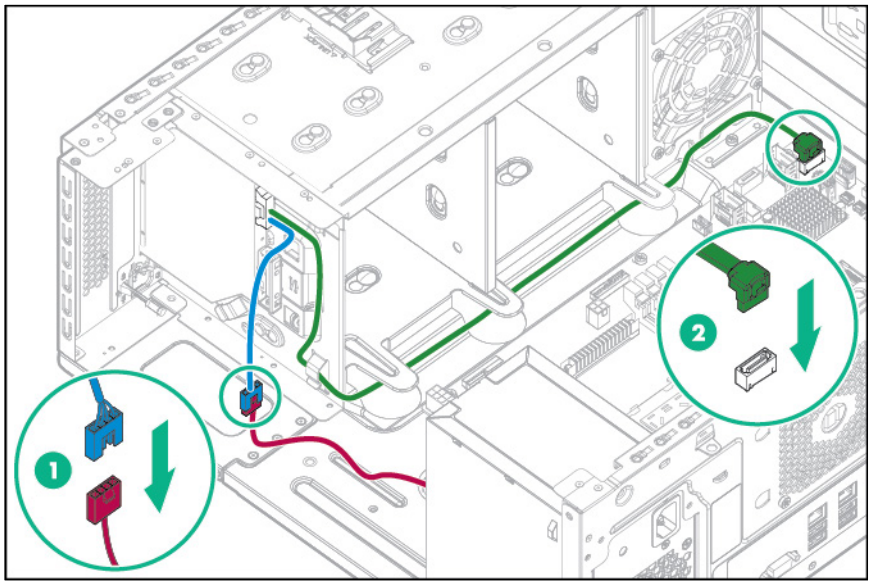

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△ **CAUTION:**

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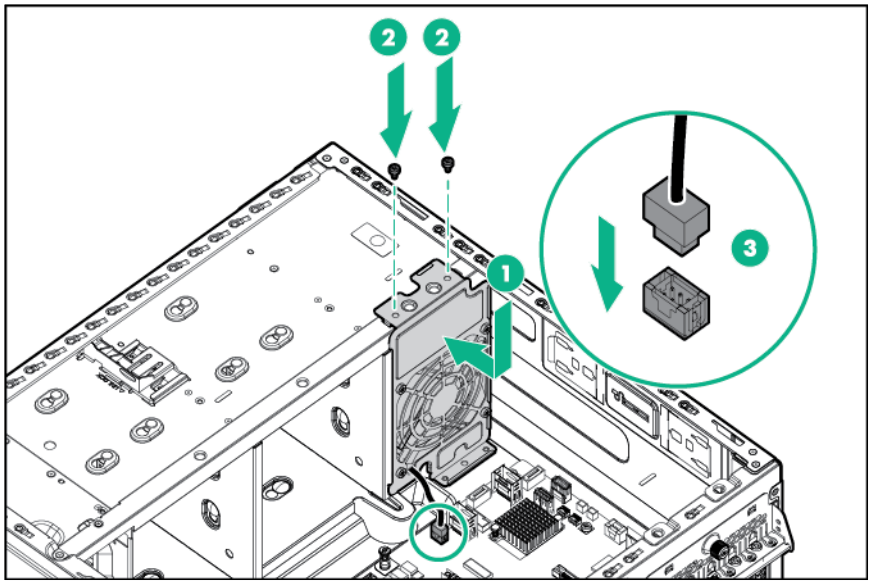

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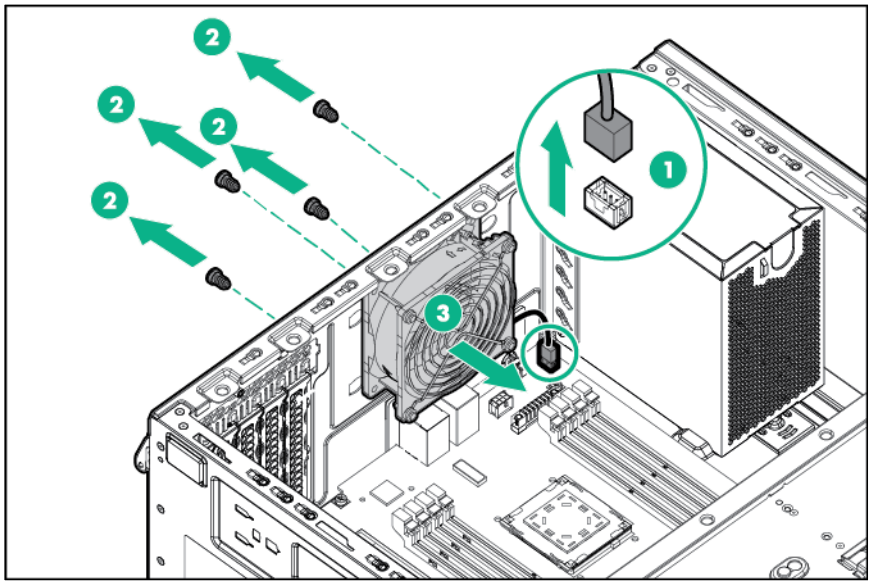

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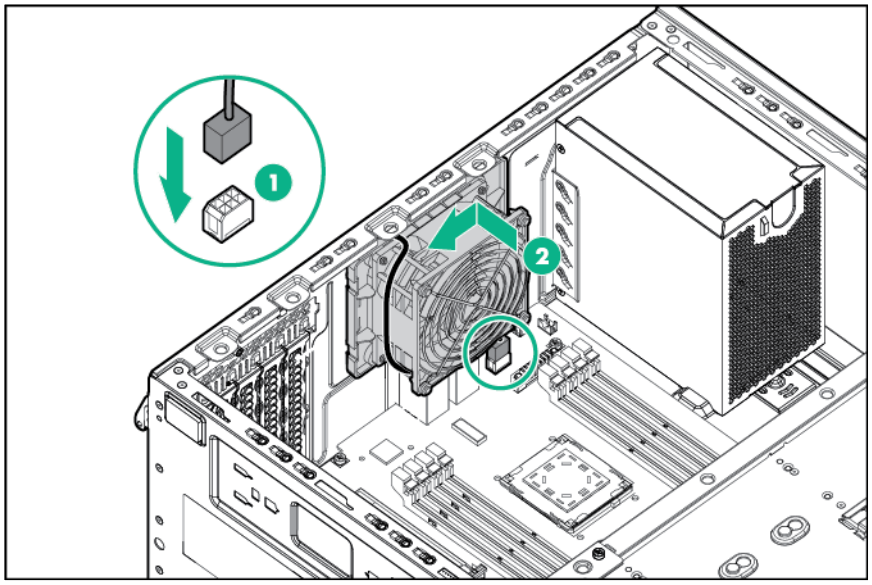

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http://www.hpe.com/support/8GBDualMicrosd_ug_en

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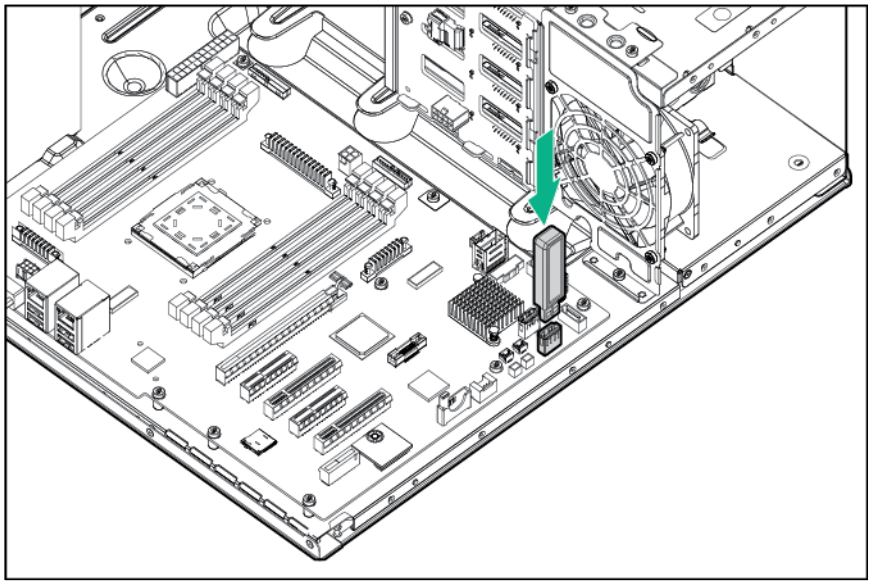

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IMPORTANT:

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DIMM specifications

Type	Rank	Capacity (GB)	Native speed (MT/s)	Voltage

Type	Rank	Capacity (GB)	Native speed (MT/s)	Voltage

Populated DIMM speed (MT/s)

Type	Rank	1 DIMM per channel (MT/s)	2 DIMMs per channel (MT/s)

Type	Rank	1 DIMM per channel (MT/s)	2 DIMMs per channel (MT/s)

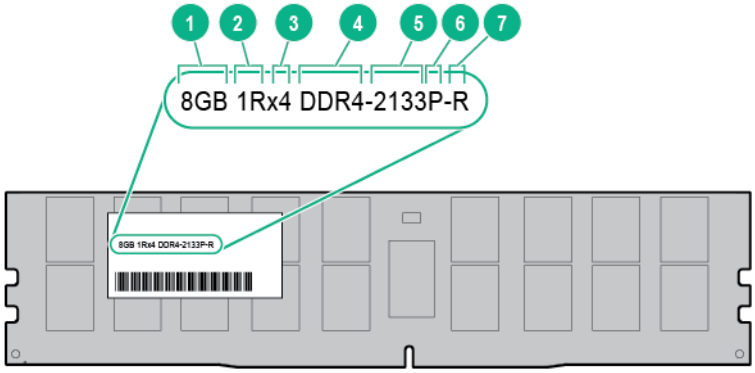
Maximum memory capacity

DIMM type	DIMM rank	Capacity (GB)	Maximum capacity for one processor (GB)

DIMM type	DIMM rank	Capacity (GB)	Maximum capacity for one processor (GB)

DIMM type	DIMM rank	Capacity (GB)	Maximum capacity for one processor (GB)

Channel	Population order	Slot number



Item	Description	Definition

http://www.hpe.com/info/qs

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HPE UEFI System Utilities User Guide for HPE ProLiant Gen9 Servers **http://www.hpe.com/info/ProLiantUEFI/docs**

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http://www.hpe.com/info/memory

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2. F9
3. System Information Processor Information
4. Esc
5. Reboot the System

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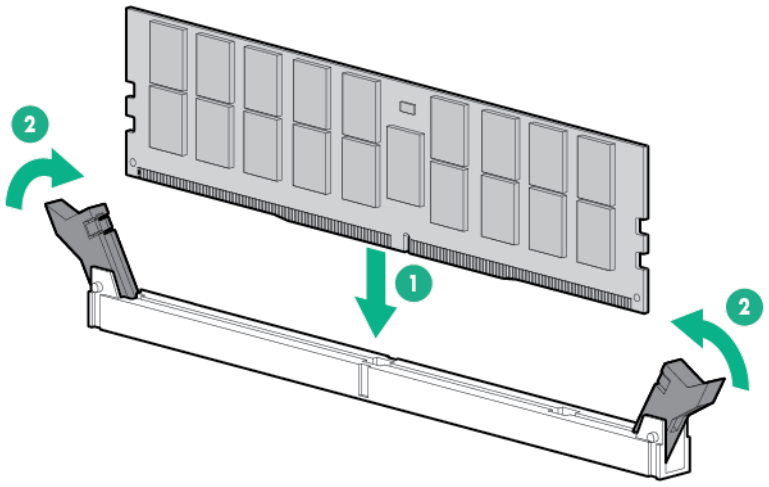

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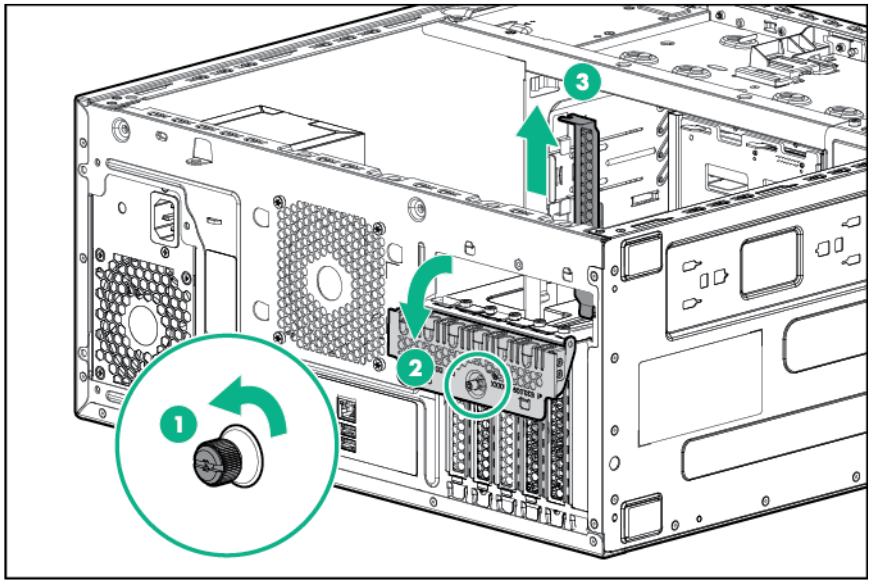

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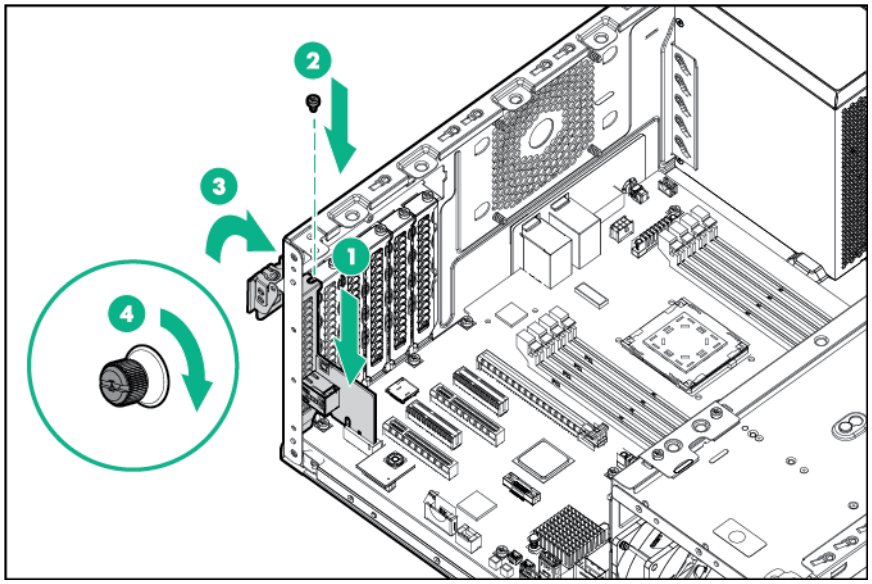

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http://www.hpe.com/info/ProLiantUEFI/docs

IMPORTANT:

1. F9
2. System Configuration iLO 4 Configuration Utility
3. Network Options Enter
4. Network Interface Adapter ON Enter
5. F10
6. Enter
7. Esc
8. Reboot the System

WARNING:

CAUTION:

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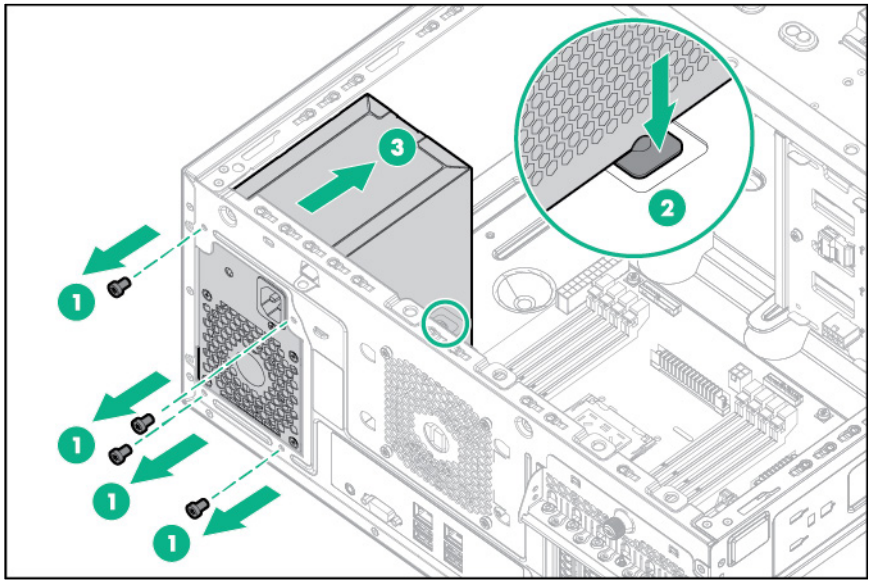

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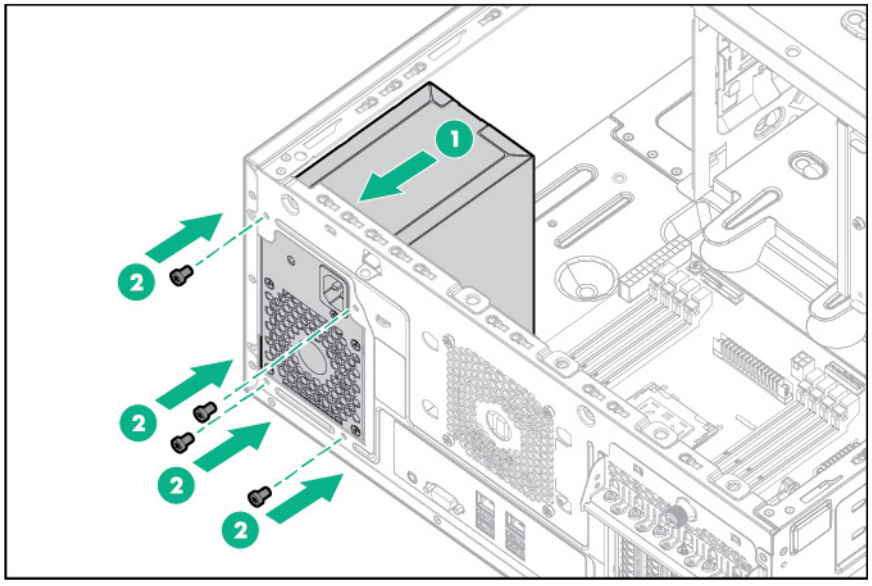

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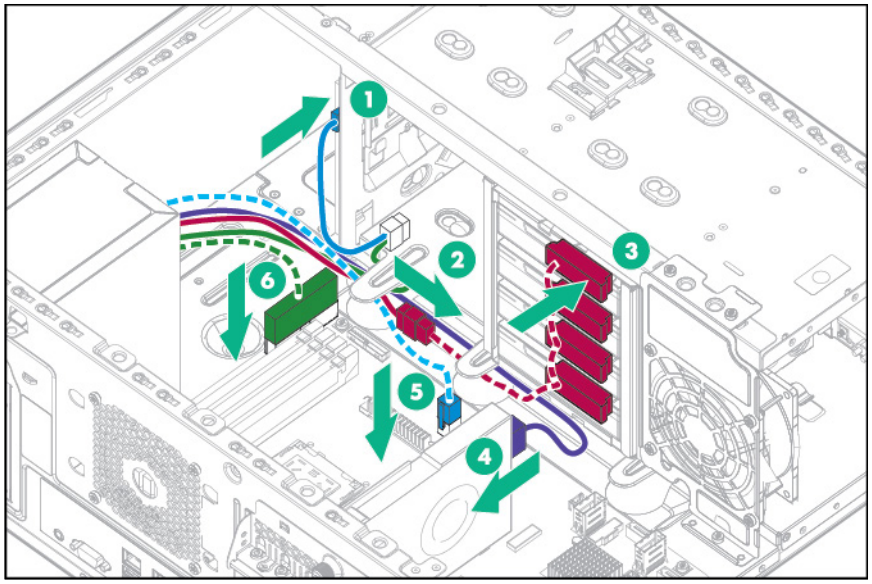
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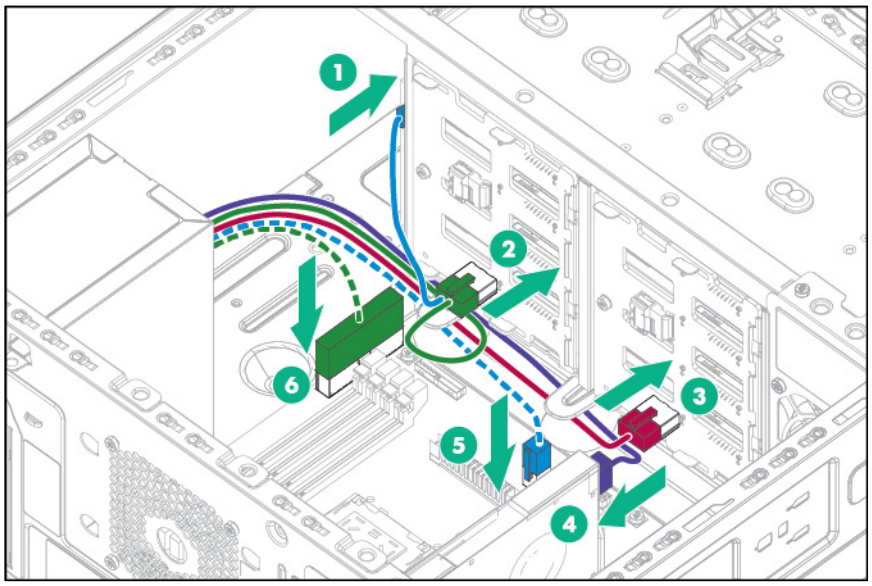
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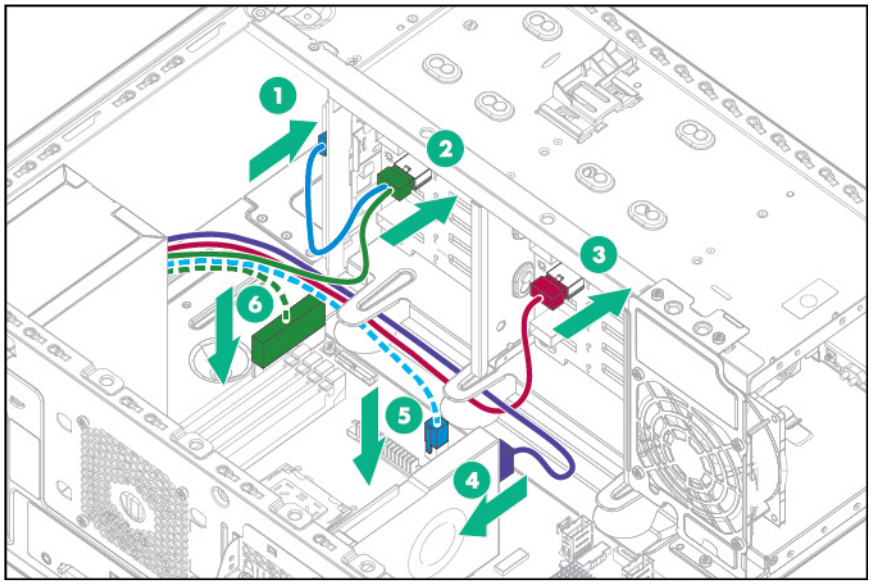

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http://www.hpe.com/info/qs

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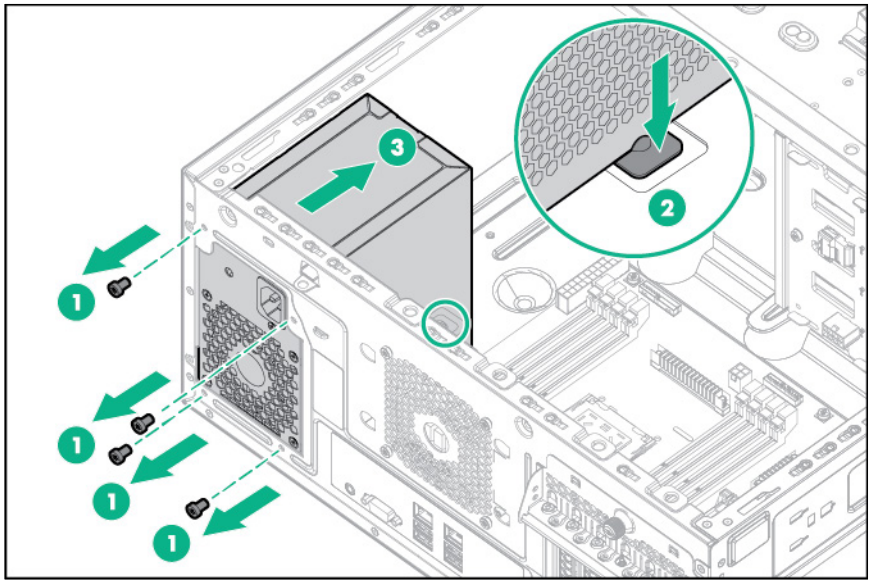

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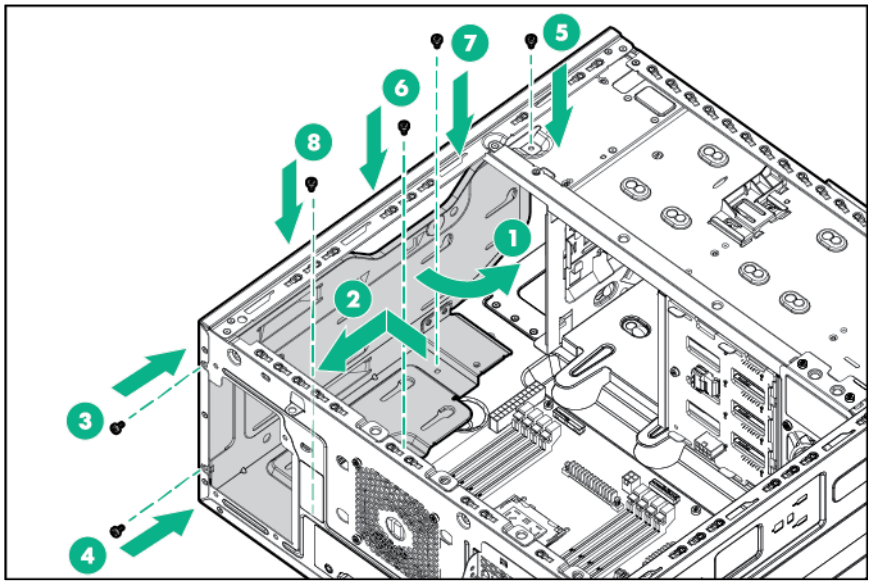

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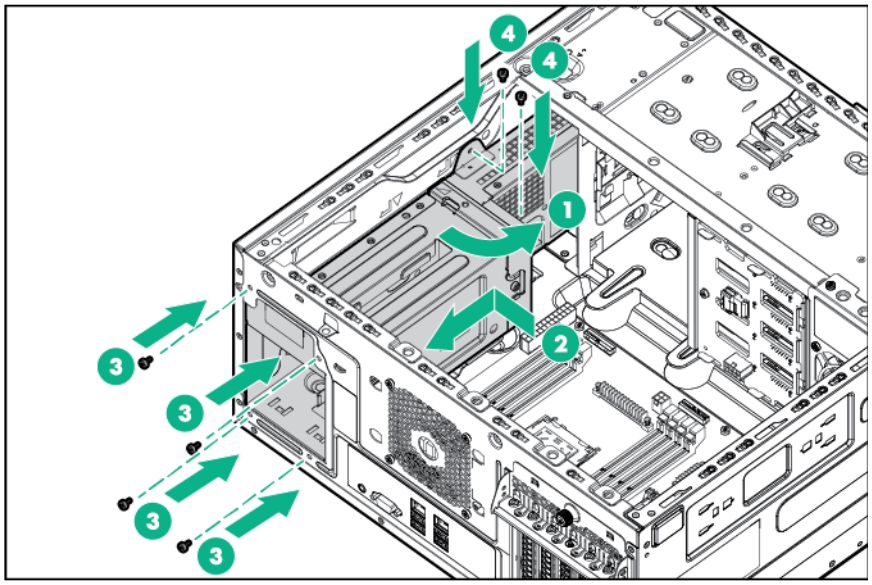

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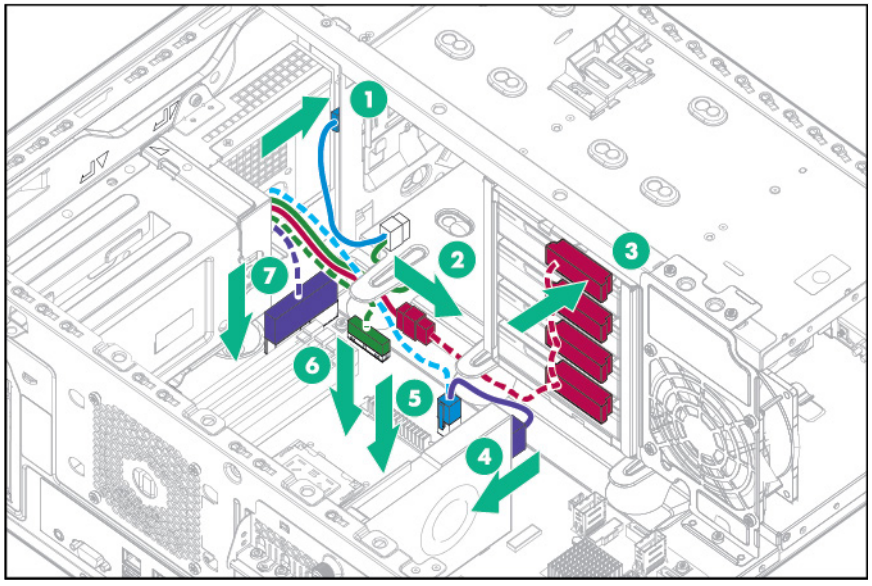
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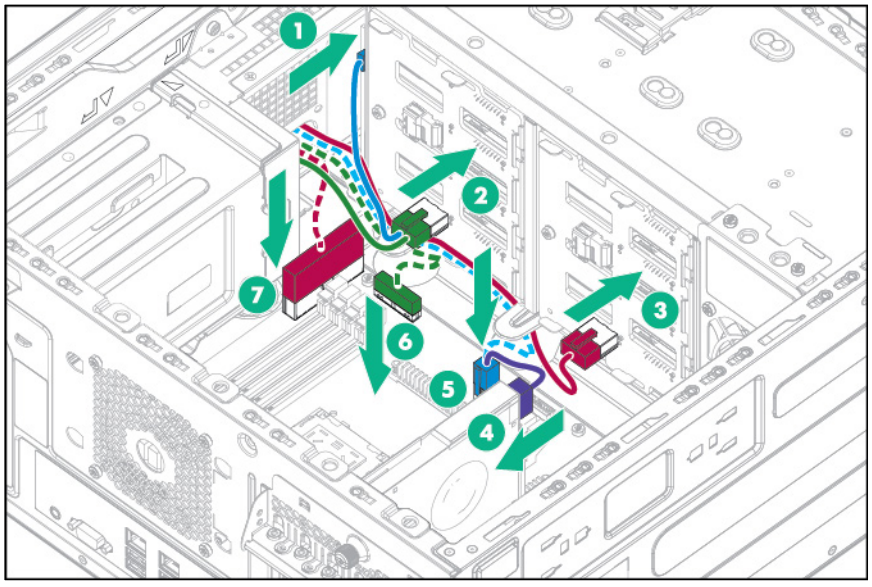
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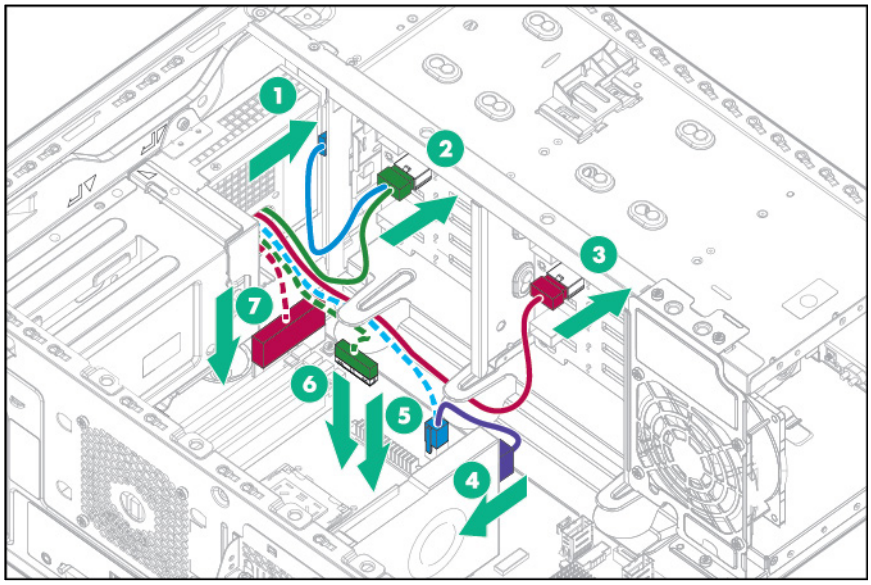

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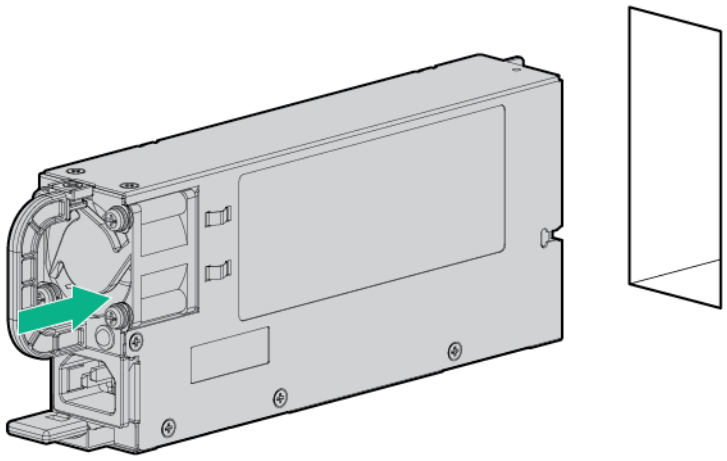

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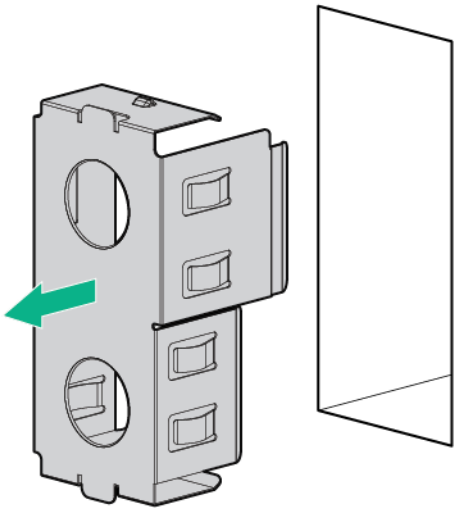

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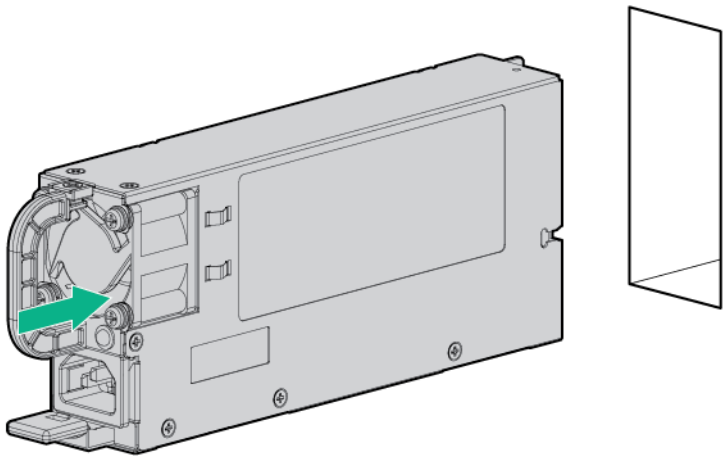

CAUTION:

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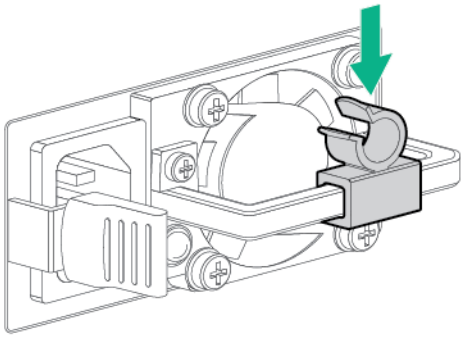

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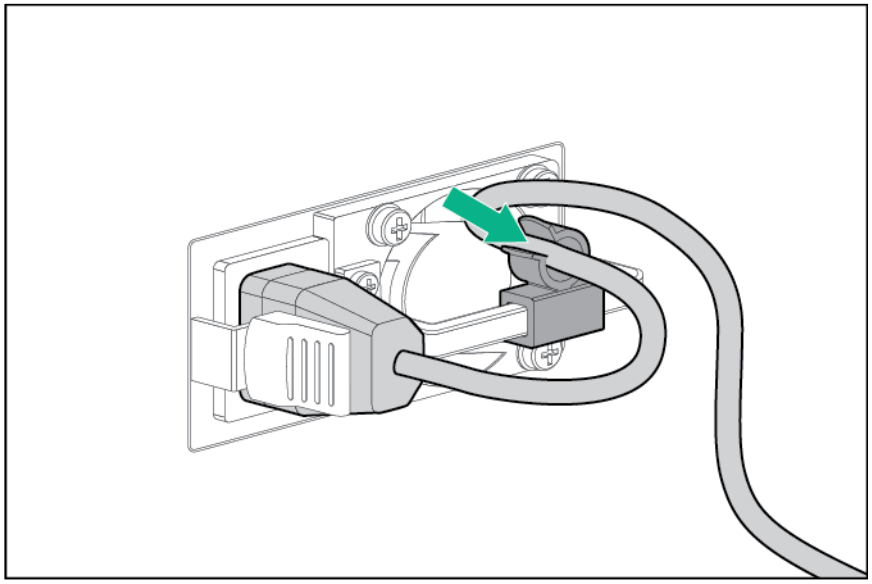

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http://www.hpe.com/info/qs

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http://www.microsoft.com

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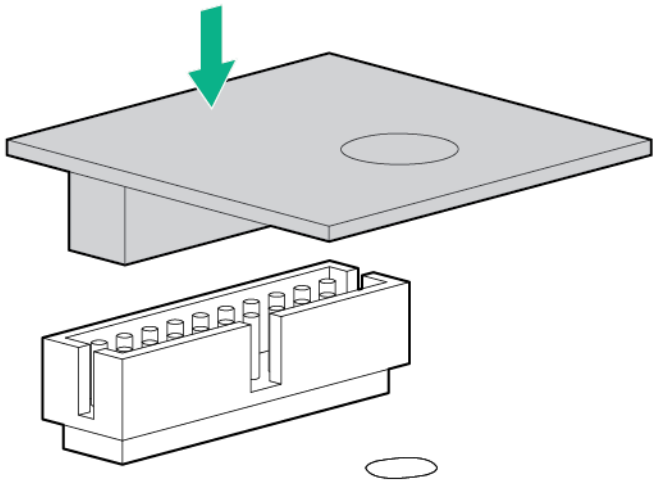

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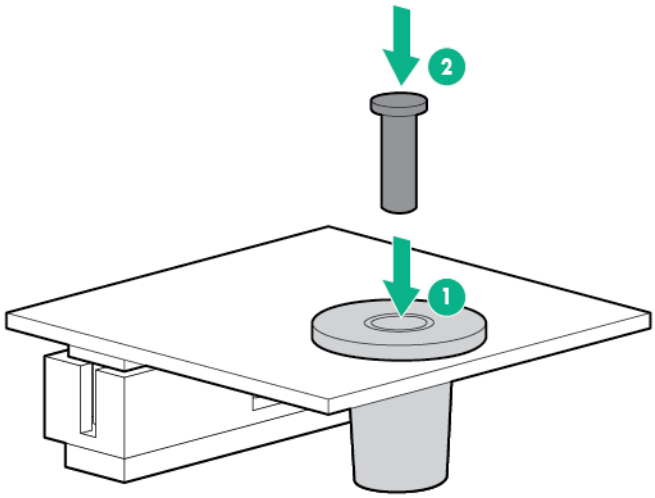

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1. **F9**
2. **System Configuration BIOS/Platform Configuration (RBSU) Server Security**
3. **Trusted Platform Module Options Enter .**
4. **Enabled**
5. **F10**
6. **Y**
7. **ESC Enter**

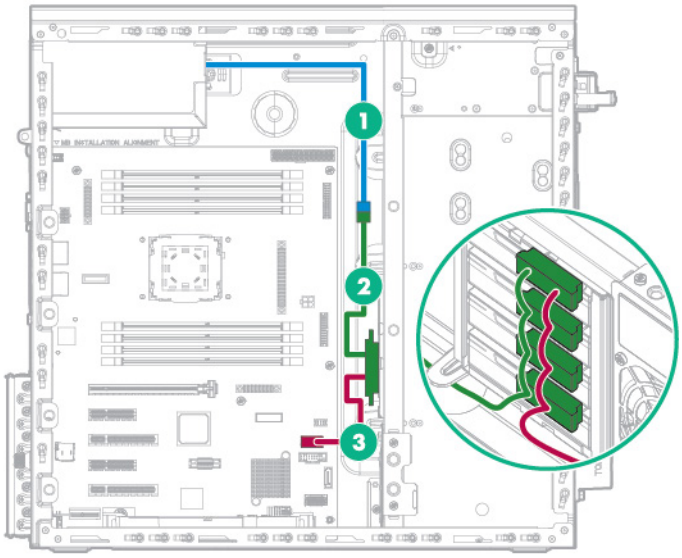
△ **CAUTION:**

HP Trusted Platform Module Best Practices White Paper
http://www.hpe.com/support/hpesc

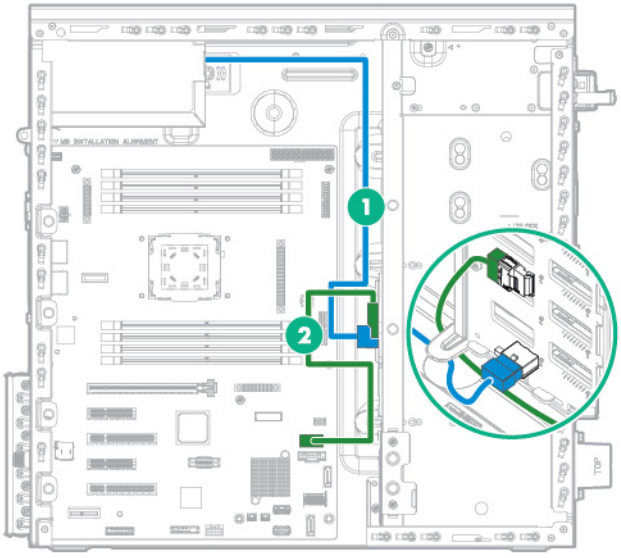
http://technet.microsoft.com/en-us/library/cc732774.aspx

http://www.hpe.com/info/servers

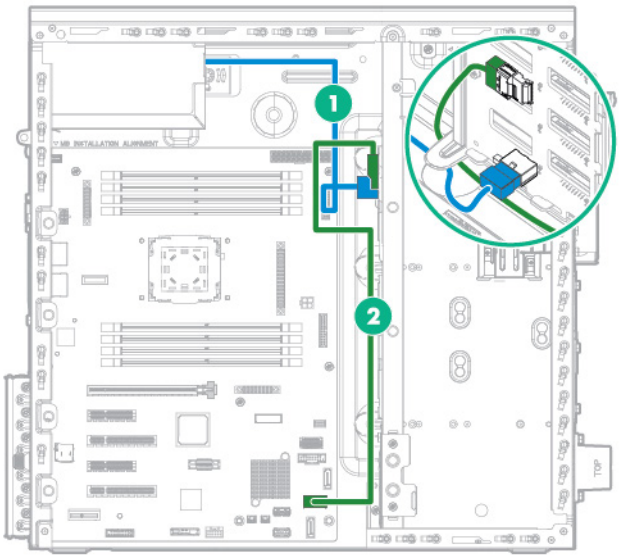
△ **CAUTION:**

- 

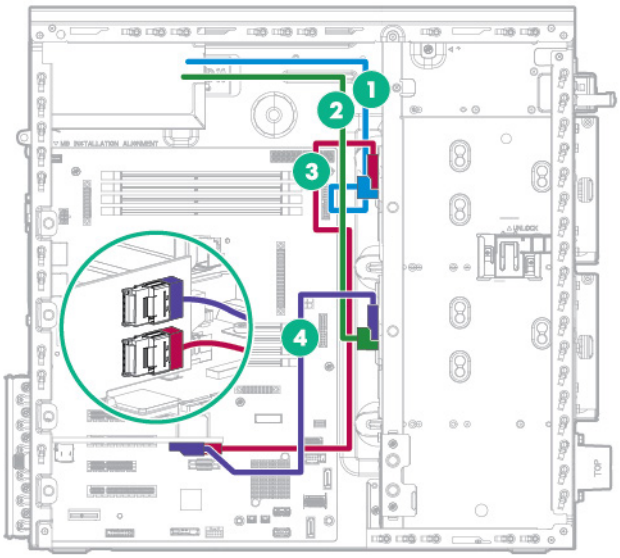
Item	Description

- 

Item	Description

- 

Item	Description

- 

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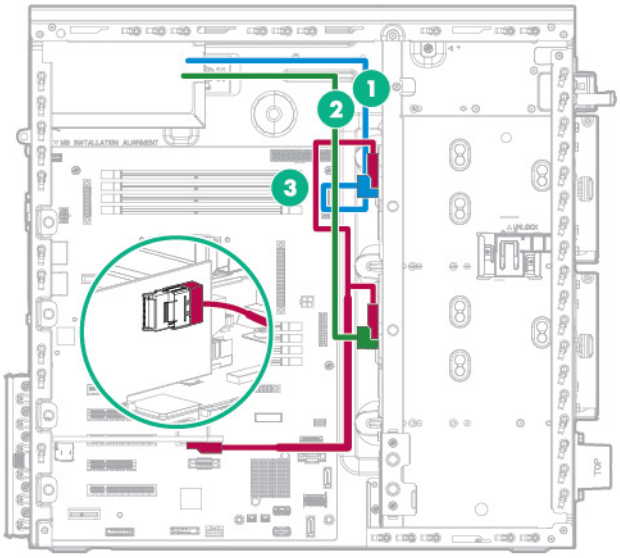
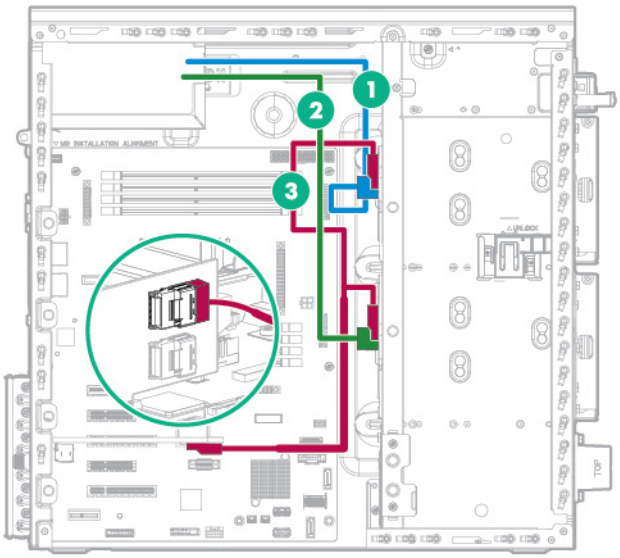
- 

Item	Description

- 

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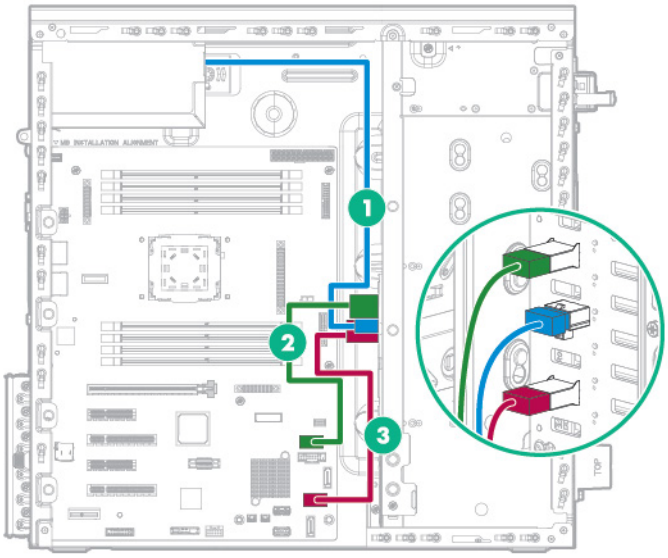
- 

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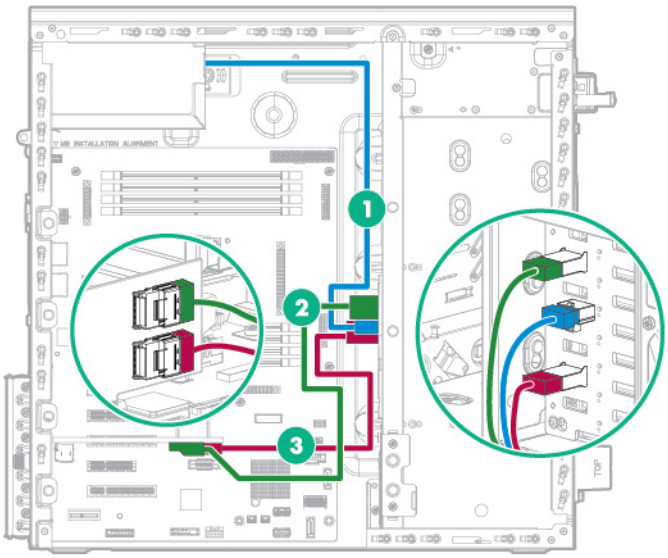
- 

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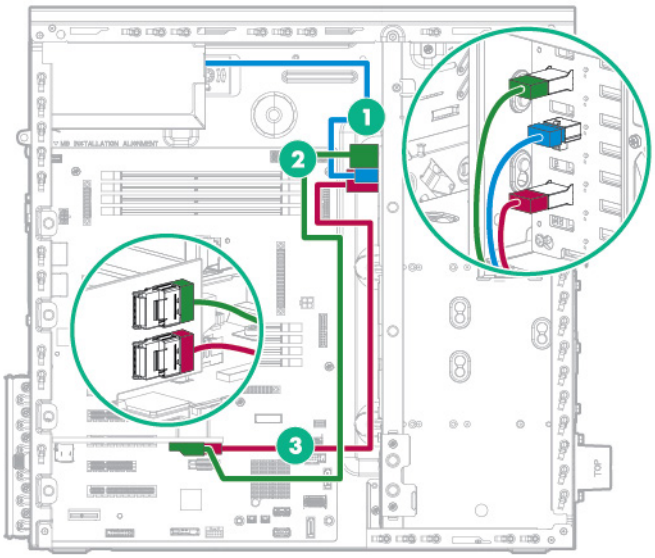
- 

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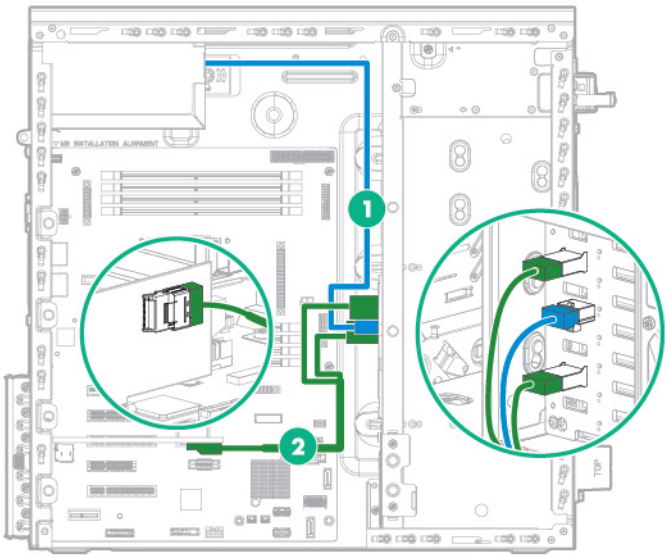
- 

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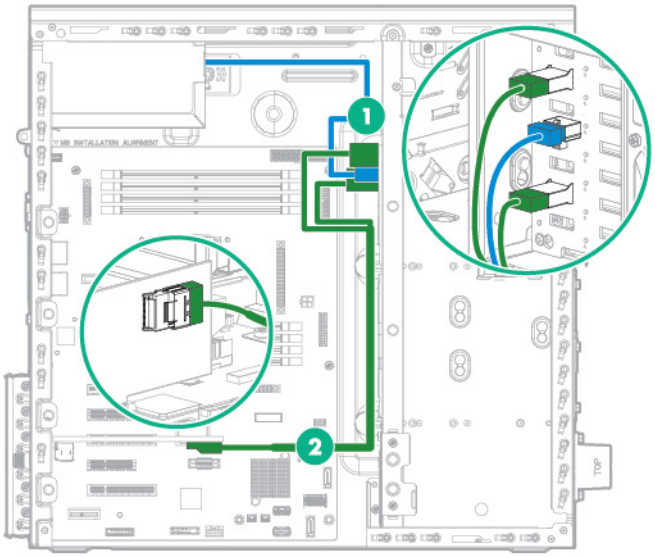
- 

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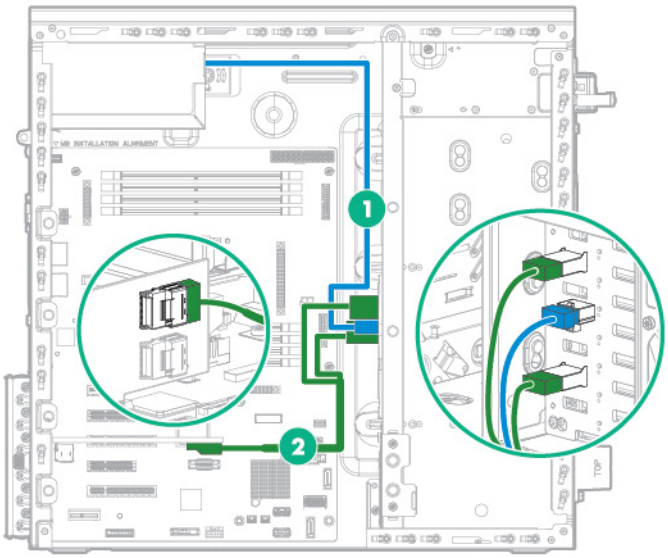
- 

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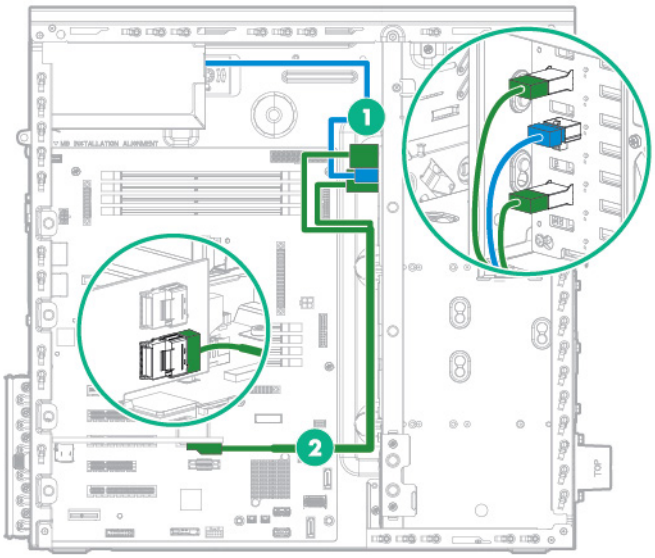
- 

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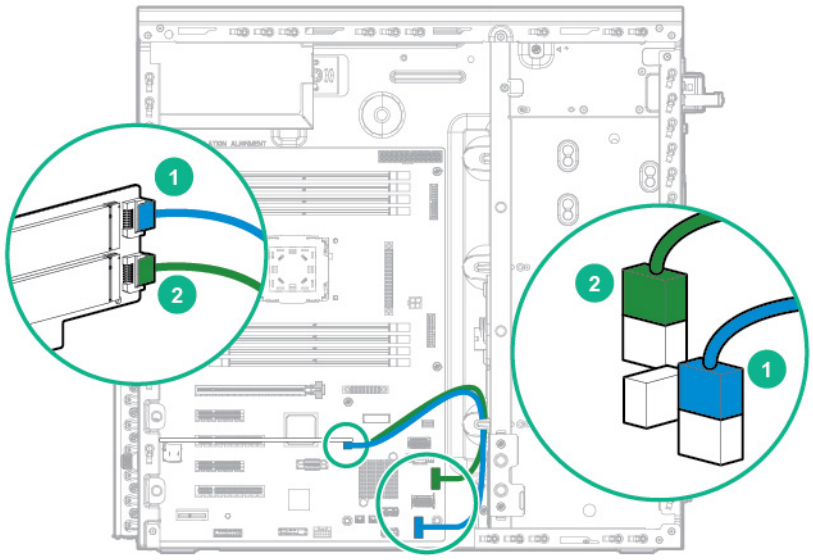

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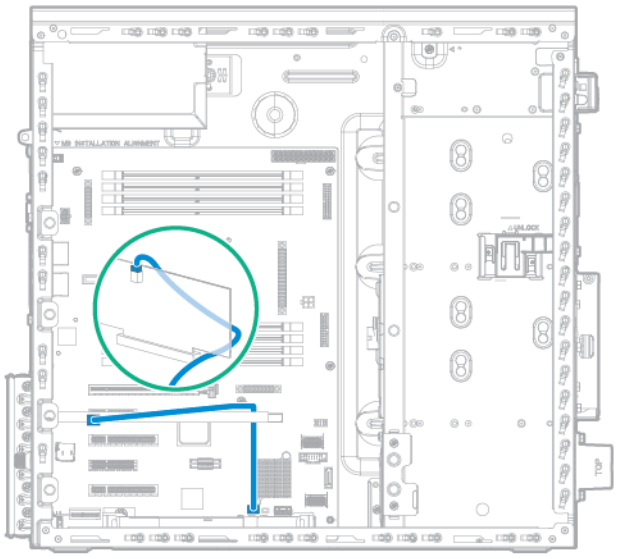
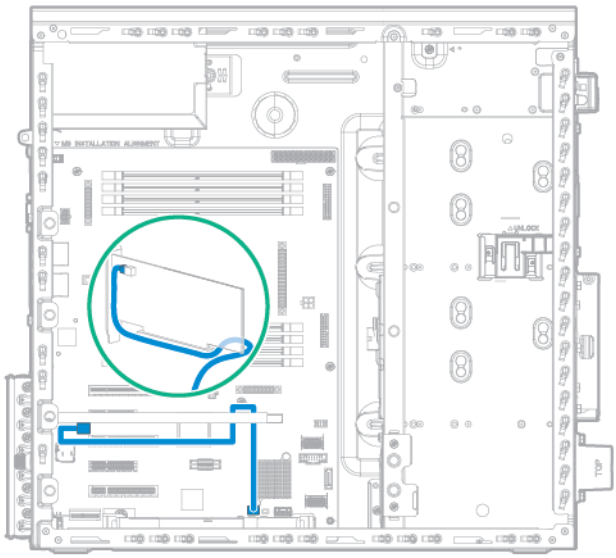
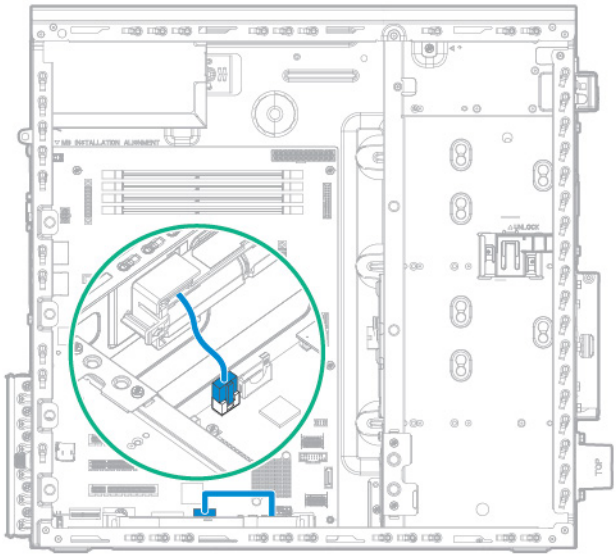
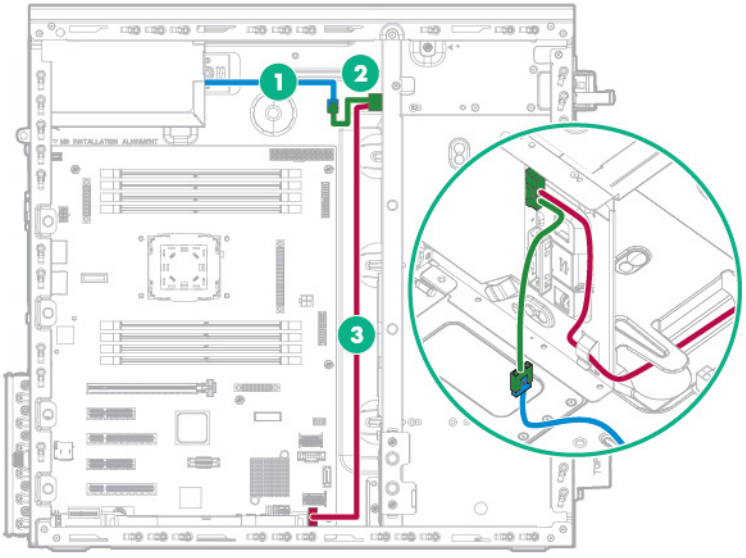
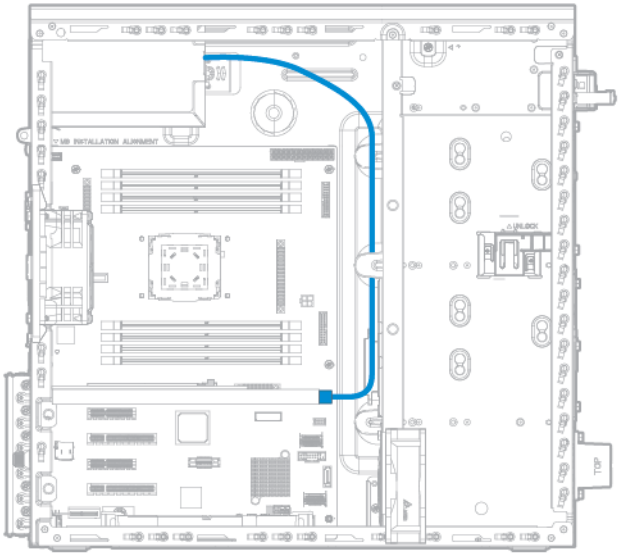


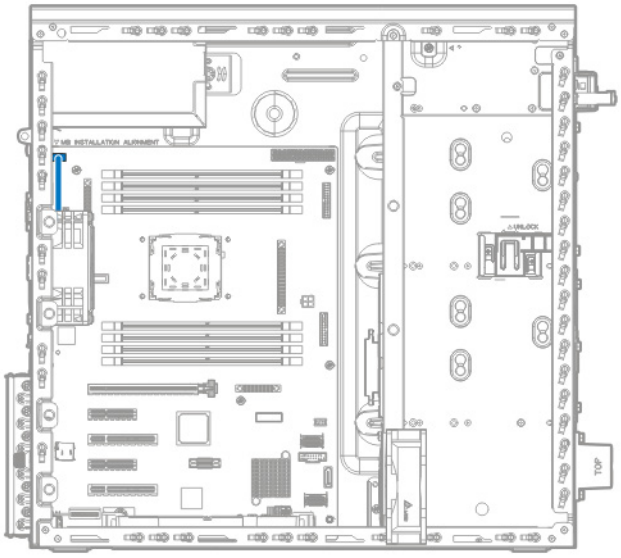
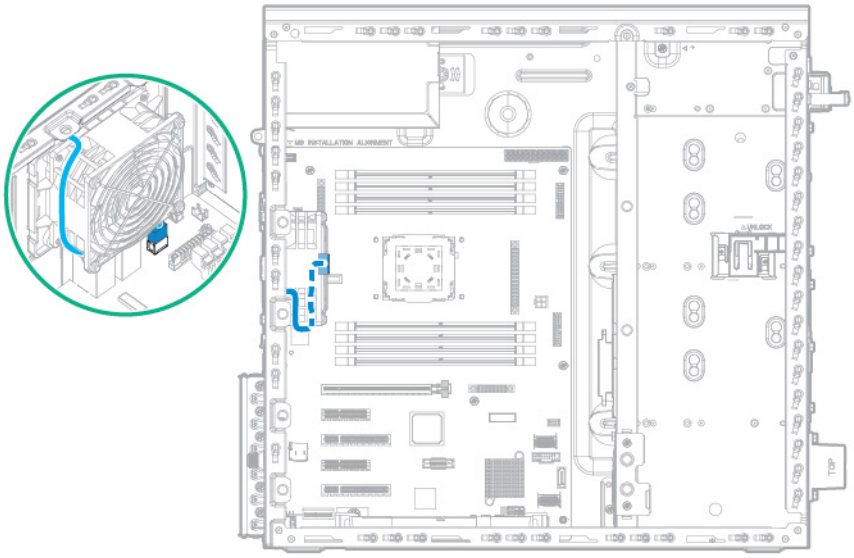
- 

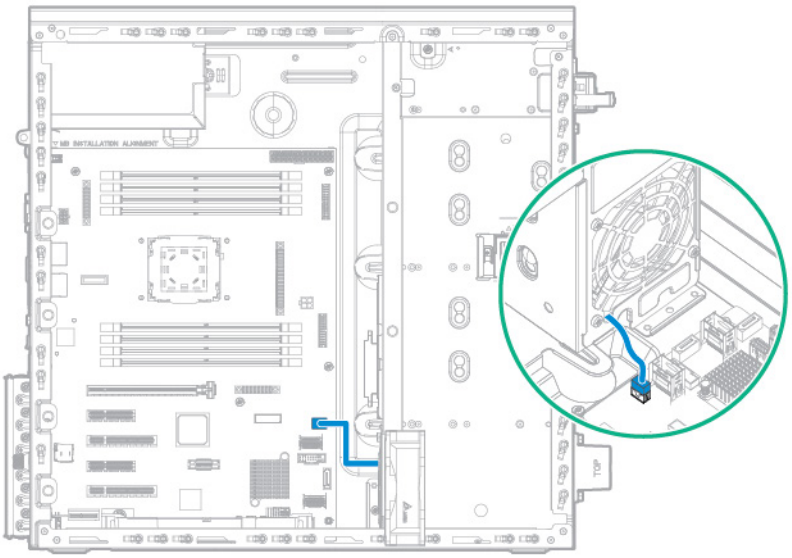


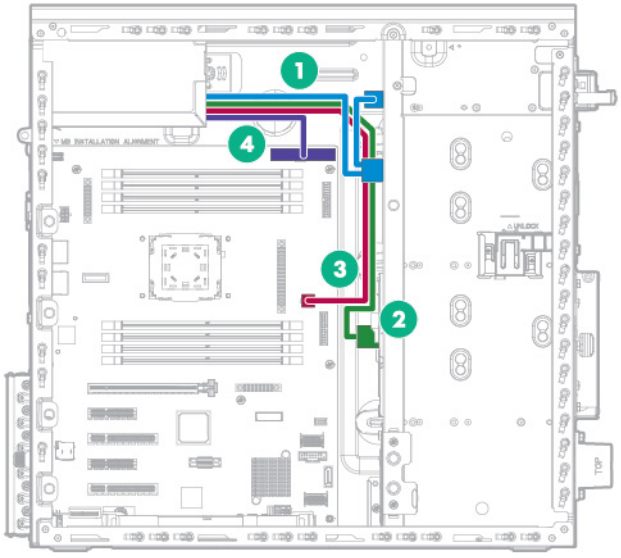


Item	Description



- 
UNLOCK
TOP
- 
UNLOCK
TOP

- 



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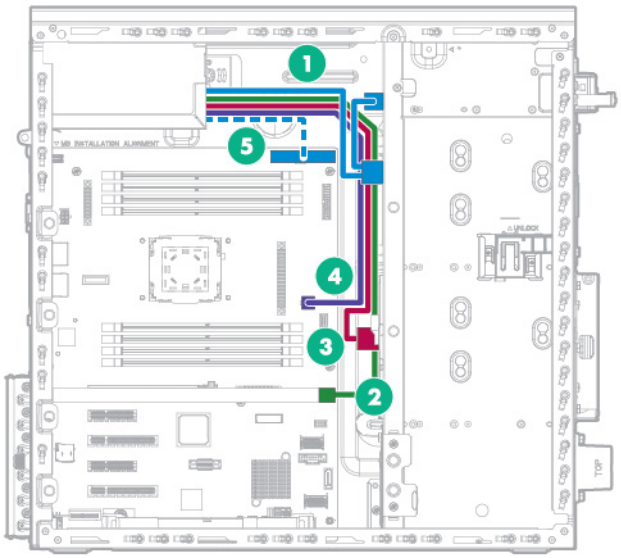

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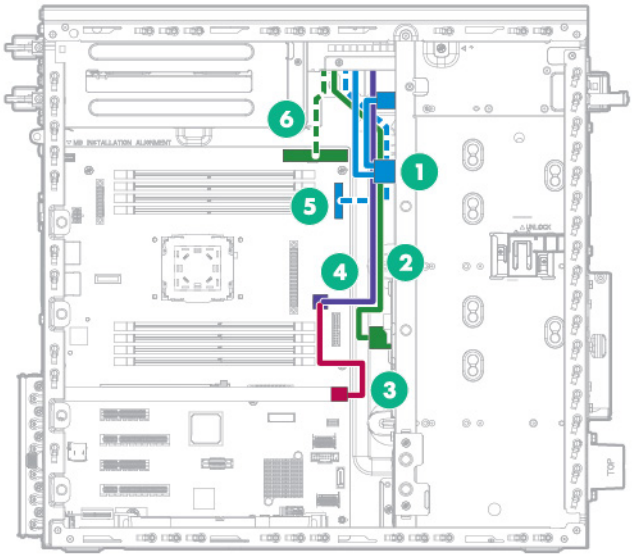
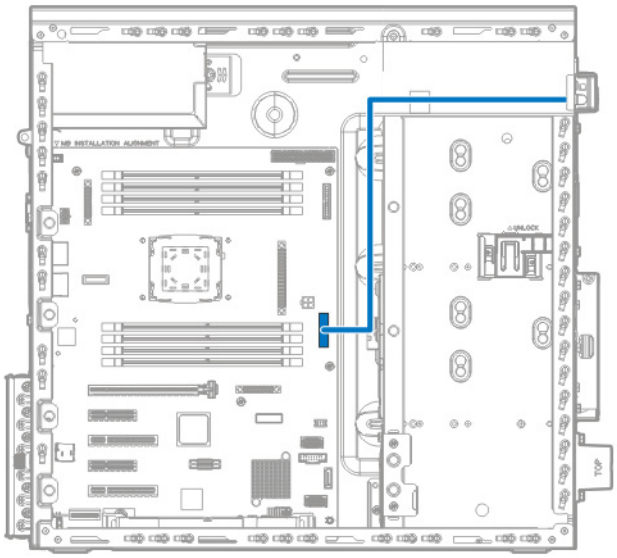
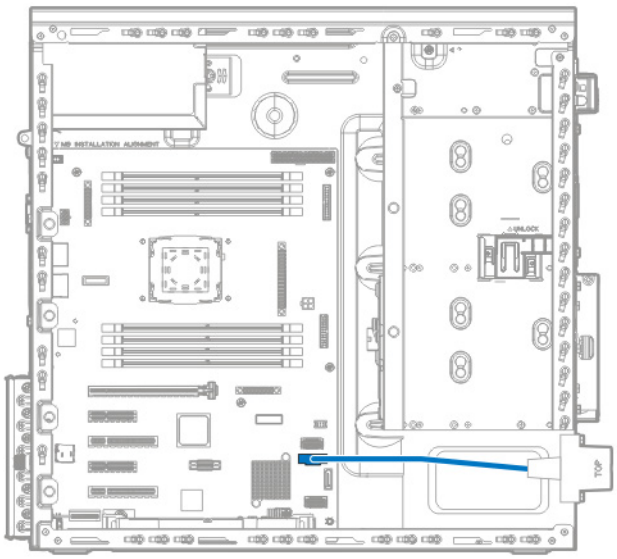


Item	Description

Item	Description





Software or configuration utility	Server mode

http://www.hpe.com/info/qs

without an additional cost or license

http://www.hpe.com/info/ilo-docs

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http://www.hpe.com/info/privacy

http://www.hpe.com/servers/spp/download

- *iLO User Guide* **http://www.hpe.com/info/ilo/docs**
- *Intelligent Provisioning User Guide*
  http://www.hpe.com/info/intelligentprovisioning/docs

http://www.hpe.com/info/restfulinterface/docs

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Intelligent Provisioning Release Notes
http://www.hpe.com/info/intelligentprovisioning/docs

http://www.hpe.com/servers/intelligentprovisioning

http://www.hpe.com/servers/intelligentprovisioning

http://www.hpe.com/info/SmartUpdate

http://www.hpe.com/info/InsightDiagnostics

http://www.hpe.com/info/supportos

△ **CAUTION:**

Intelligent Provisioning User Guide

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http://www.hpe.com/info/intelligentprovisioning/docs

http://www.hpe.com/servers/proliant/stk

- **http://www.hpe.com/servers/spp/download**
- **http://www.hpe.com/info/SmartUpdate**

http://www.hpe.com/servers/hpsum

http://www.hpe.com/servers/hpsum/download

HP Smart Update Manager User Guide
http://www.hpe.com/info/hpsum/documentation

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HPE UEFI System Utilities User Guide for HPE ProLiant Gen9 Servers
http://www.hpe.com/info/uefi/docs

F1

Action	Key

Action	Key

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  F9
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  IMPORTANT:

  HPE UEFI System Utilities User Guide for HPE ProLiant Gen9 Servers
  http://www.hpe.com/info/uefi/docs

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HPE UEFI System Utilities and Shell Release Notes for HPE ProLiant Gen9 Servers
http://www.hpe.com/info/uefi/docs

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- *HPE UEFI Shell User Guide for HPE ProLiant Gen9 Servers*
  http://www.hpe.com/info/uefi/docs
- *UEFI Shell Specification* **http://www.uefi.org/specifications**

HPE UEFI System Utilities User Guide for HPE ProLiant Gen9 Servers
http://www.hpe.com/info/uefi/docs

http://www.hpe.com/info/restfulinterface/docs

1. **F9**
2. **System Configuration BIOS/Platform Configuration (RBSU) Advanced Options Advanced System ROM Options Serial Number Enter**
3. **Enter**

   The serial number should only be modified by qualified service personnel. This value should always match the serial number located on the chassis.
4. **Enter**
5. **Enter**
6. **Product ID**

   Warning: The Product ID should ONLY be modified by qualified service personnel. This value should always match the Product ID located on the chassis.
7. **Enter**
8. **F10**

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http://www.hpe.com/servers/ssa

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NOTE:

http://www.hpe.com/support/AccessToSupportMaterials

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1. **http://www.hpe.com/support/hpesc**
2.
3.
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   - **F11** **One-Time Boot Menu**
4.
5.

http://www.hpe.com/support/hpesc

HPE UEFI System Utilities User Guide for HPE ProLiant Gen9 Servers
http://www.hpe.com/info/uefi/docs

1. **http://www.hpe.com/support/hpesc**
   OS Independent
2.
3.
4.
5. `Map –r`
   HPE UEFI Shell User Guide for HPE ProLiant Gen9 Servers **http://www.hpe.com/info/uefi/docs**
6. `fs0` `fs1` **Enter**
7. `cd`

8. `fwupdate -d BIOS -f <filename>`

   `help fwupdate -b`

9.

HPE UEFI Shell User Guide for HPE ProLiant Gen9 Servers
http://www.hpe.com/info/uefi/docs

1. **http://www.hpe.com/support/hpesc**
   OS Independent
2.
3.
4. **F9**
5. **Embedded Applications → Firmware Update → System ROM → Select Firmware File**
6.
7.
8. **Start firmware update**
9.

IMPORTANT:

http://www.hpe.com/servers/spp/download

http://www.hpe.com/support/hpesc **Select your HPE product**
Go

- **http://www.hpe.com/servers/spp/download**
- **http://www.hpe.com/support/hpesc**

http://www.hpe.com/info/ossupport

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Systems Insight Manager User Guide, Version Control Agent User Guide Version Control Repository Manager User Guide

http://www.hpe.com/info/enterprise/docs

1. **HP Insight Management**
2. **HP Version Control**
3.

http://www.hpe.com/info/ossupport

http://www.hpe.com/services/consulting

http://www.hpe.com/services/support

http://www.hpe.com/info/pcn

HPE ProLiant Gen9 Troubleshooting Guide, Volume I: Troubleshooting

- **http://www.hpe.com/support/Gen9_TSG_en**
- **http://www.hpe.com/support/Gen9_TSG_fr**
- **http://www.hpe.com/support/Gen9_TSG_es**
- **http://www.hpe.com/support/Gen9_TSG_de**
- **http://www.hpe.com/support/Gen9_TSG_ja**
- **http://www.hpe.com/support/Gen9_TSG_zh_cn**

HPE ProLiant Gen9 Troubleshooting Guide, Volume II: Error Messages

- **http://www.hpe.com/support/Gen9_EMG_en**
- **http://www.hpe.com/support/Gen9_EMG_fr**
- **http://www.hpe.com/support/Gen9_EMG_es**
- **http://www.hpe.com/support/Gen9_EMG_de**
- **http://www.hpe.com/support/Gen9_EMG_ja**
- **http://www.hpe.com/support/Gen9_EMG_zh_cn**

WARNING:

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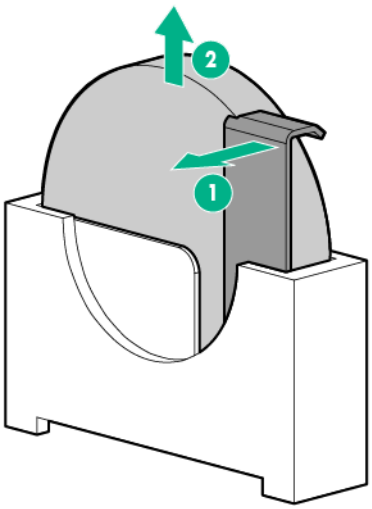

IMPORTANT:

http://www.hpe.com/support/ProLiantServers-Warranties

http://www.hpe.com/support/EnterpriseServers-Warranties

http://www.hpe.com/support/Storage-Warranties

http://www.hpe.com/support/Networking-Warranties

Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products

http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Manufacturer information:

Local representative information Russian:

- **Russia:**

  ООО «Хьюлетт Паккард Энтерпрайз», Российская Федерация, 125171, г. Москва, Ленинградское шоссе, 16А, стр.3, Телефон/факс: +7 495 797 35 00

- **Belarus:**

  ИООО «Хьюлетт-Паккард Бел», Республика Беларусь, 220030, г. Минск, ул. Интернациональная, 36-1, Телефон/факс: +375 17 392 28 20

- **Kazakhstan:**

  ТОО «Хьюлетт-Паккард (К)», Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 52

Local representative information Kazakh:

- **Russia:**

  ЖШС "Хьюлетт Паккард Энтерпрайз", Ресей Федерациясы, 125171, Мәскеу, Ленинград тас жолы, 16А блок 3, Телефон/факс: +7 495 797 35 00

- **Belarus:**

  «HEWLETT-PACKARD Bel» ЖШС, Беларусь Республикасы, 220030, Минск қ., Интернациональная көшесі, 36/1, Телефон/факс: +375 17 392 28 20

- **Kazakhstan:**

  ЖШС «Хьюлетт-Паккард (К)», Қазақстан Республикасы, 050040, Алматы к., Бостандық ауданы, Әл-Фараби даңғ ылы, 77/7, Телефон/факс: +7 727 355 35 52

Manufacturing date:

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Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057

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Specification	Value
Temperature range*	
	° ° ° °
	° ° ° °
Relative humidity (noncondensing)	
	° °

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http://www.hpe.com/servers/ASHRAE

Specification	Value
Dimensions (with feet/bezel)	
Weight (approximate)	

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http://www.hpe.com/servers/powersupplies

△ **CAUTION:**

http://www.hpe.com/info/poweradvisor/online

- **http://www.hpe.com/assistance**
- **http://www.hpe.com/support/hpesc**
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  - **Get connected with updates** **http://www.hpe.com/support/e-updates**
  - **http://www.hpe.com/support/softwaredepot**
- **More Information on Access to Support Materials** **http://www.hpe.com/support/AccessToSupportMaterials**

IMPORTANT

- **http://www.hpe.com/info/enterprise/docs**
- **http://www.hpe.com/support/hpesc**
- **http://www.hpe.com/assistance**

- http://www.hpe.com/support/e-updates
- http://www.hpe.com/support/softwaredepot
- http://www.hpe.com/support/selfrepair
- http://www.hpe.com/info/insightremotesupport/docs
- http://www.hpe.com/info/hpux-serviceguard-docs
- http://www.hpe.com/storage/spock
- http://www.hpe.com/storage/whitepapers

- **Mandatory**
- **Optional**

NOTE:

http://www.hpe.com/support/selfrepair

- **Obligatoire—**
- **Facultatif**

REMARQUE

http://www.hpe.com/support/selfrepair

- **Obbligatorie—**
- **Opzionali—**

NOTA

http://www.hpe.com/support/selfrepair

- **Zwingend—**
- **Optional—**

HINWEIS

http://www.hpe.com/support/selfrepair

- **Obligatorio—**
- **Opcional—**

NOTA

http://www.hpe.com/support/selfrepair

- **Verplicht—**
- **Optioneel—**

OPMERKING

http://www.hpe.com/support/selfrepair

- **Obrigatória**
- **Opcional**

OBSERVAÇÃO

http://www.hpe.com/support/selfrepair

カスタマーセルフリペア

修理時間を短縮し、故障部品の交換における高い柔軟性を確保するために、Hewlett Packard Enterprise製品には多数のカスタマーセルフリペア（CSR）部品があります。診断の際に、CSR部品を使用すれば修理ができるとHewlett Packard Enterprise（Hewlett Packard EnterpriseまたはHewlett Packard Enterprise正規保守代理店）が判断した場合、Hewlett Packard Enterpriseはその部品を直接、お客様に発送し、お客様に交換していただきます。CSR部品には以下の2種類があります。

- **必須** - カスタマーセルフリペアが必須の部品。当該部品について、もしもお客様がHewlett Packard Enterpriseに交換作業を依頼される場合には、その修理サービスに関する交通費および人件費がお客様に請求されます。
- **任意** - カスタマーセルフリペアが任意である部品。この部品もカスタマーセルフリペア用です。当該部品について、もしもお客様がHewlett Packard Enterpriseに交換作業を依頼される場合には、お買い上げの製品に適用される保証サービス内容の範囲内においては、別途費用を負担していただくことなく保証サービスを受けることができます。

注：Hewlett Packard Enterprise製品の一部の部品は、カスタマーセルフリペアの対象外です。製品の保証を継続するためには、Hewlett Packard EnterpriseまたはHewlett Packard Enterprise正規保守代理店による交換作業が必須となります。部品カタログには、当該部品がカスタマーセルフリペア除外品である旨が記載されています。

部品供給が可能な場合、地域によっては、CSR部品を翌営業日に届くように発送します。また、地域によっては、追加費用を負担いただくことにより同日または4時間以内に届くように発送することも可能な場合があります。サポートが必要なときは、Hewlett Packard Enterpriseの修理受付窓口に電話していただければ、技術者が電話でアドバイスします。交換用のCSR部品または同梱物には、故障部品をHewlett Packard Enterpriseに返送する必要があるかどうかが表示されています。故障部品をHewlett Packard Enterpriseに返送する必要がある場合は、指定期限内（通常は5営業日以内）に故障部品をHewlett Packard Enterpriseに返送してください。故障部品を返送する場合は、届いた時の梱包箱に関連書類とともに入れてください。故障部品を返送しない場合、Hewlett Packard Enterpriseから部品費用が請求されます。カスタマーセルフリペアの際には、Hewlett Packard Enterpriseは送料および部品返送費を全額負担し、使用する宅配便会社や運送会社を指定します。

客户自行维修

Hewlett Packard Enterprise 产品提供许多客户自行维修 (CSR) 部件，以尽可能缩短维修时间和在更换缺陷部件方面提供更大的灵活性。如果在诊断期间 Hewlett Packard Enterprise（或Hewlett Packard Enterprise 服务提供商或服务合作伙伴）确定可以通过使用 CSR 部件完成维修，Hewlett Packard Enterprise 将直接把该部件发送给您进行更换。有两类 CSR 部件：

- **强制性的** — 要求客户必须自行维修的部件。如果您请求 Hewlett Packard Enterprise 更换这些部件，则必须为该服务支付差旅费和人工费用。
- **可选的** — 客户可以选择是否自行维修的部件。这些部件也是为客户自行维修设计的。不过，如果您要求 Hewlett Packard Enterprise 为您更换这些部件，则根据为您的产品指定的保修服务类型，Hewlett Packard Enterprise 可能收取或不再收取任何附加费用。

注：某些 Hewlett Packard Enterprise 部件的设计并未考虑客户自行维修。为了满足客户保修的需要，Hewlett Packard Enterprise 要求授权服务提供商更换相关部件。这些部件在部件图解目录中标记为“否”。

CSR 部件将在下一个工作日发运（取决于备货情况和允许的地理范围）。在允许的地理范围内，可在当天或四小时内发运，但要收取额外费用。如果需要帮助，您可以致电 Hewlett Packard Enterprise 技术支持中心，将会有技术人员通过电话为您提供帮助。Hewlett Packard Enterprise 会在随更换的 CSR 部件发运的材料中指明是否必须将有缺陷的部件返还给 Hewlett Packard Enterprise。如果要求您将有缺陷的部件返还给 Hewlett Packard Enterprise，那么您必须在规定的期限内（通常是五 (5) 个工作日）将缺陷部件发给 Hewlett Packard Enterprise。有缺陷的部件必须随所提供的发运材料中的相关文件一起返还。如果未能送还有缺陷的部件，Hewlett Packard Enterprise 可能会要求您支付更换费用。客户自行维修时，Hewlett Packard Enterprise 将承担所有相关运输和部件返回费用，并指定快递商/承运商。

有关 Hewlett Packard Enterprise 客户自行维修计划的详细信息，请与您当地的服务提供商联系。有关北美地区的计划，请访问 Hewlett Packard Enterprise 网站 (http://www.hpe.com/support/selfrepair)。

客戶自行維修

Hewlett Packard Enterprise 產品設計了許多「客戶自行維修」(CSR) 的零件以減少維修時間，並且使得更換瑕疵零件時能有更大的彈性。如果在診斷期間，Hewlett Packard Enterprise (或 Hewlett Packard Enterprise 服務供應商或維修夥伴) 辨認出此項維修工作可以藉由使用 CSR 零件來完成，則 Hewlett Packard Enterprise 將直接寄送該零件給您作更換。CSR 零件分為兩種類別：

- **強制的** — 客戶自行維修所使用的零件是強制性的。如果您要求 Hewlett Packard Enterprise 更換這些零件，Hewlett Packard Enterprise 將會向您收取此服務所需的外出費用與勞動成本。
- **選購的** — 客戶自行維修所使用的零件是選購的。這些零件也設計用於客戶自行維修之用。不過，如果您要求 Hewlett Packard Enterprise 為您更換，則可能需要也可能不需要負擔額外的費用，端視針對此產品指定的保固服務類型而定。

備註：某些 Hewlett Packard Enterprise 零件沒有消費者可自行維修的設計。為符合客戶保固，Hewlett Packard Enterprise 需要授權的服務供應商更換零件。這些零件在圖示的零件目錄中，被標示為「否」。

基於材料取得及環境允許的情況下，CSR 零件將於下一個工作日以快遞寄送。在環境的允許下當天或四小時內送達，則可能需要額外的費用。若您需要協助，可致電 Hewlett Packard Enterprise 支援中心，會有一位技術人員透過電話來協助您。不論損壞的零件是否必須退回，Hewlett Packard Enterprise 皆會在與 CSR 替換零件一起運送的材料中註明。若要將損壞的零件退回 Hewlett Packard Enterprise，您必須在指定的一段時間內 (通常為五 (5) 個工作天)，將損壞的零件寄回 Hewlett Packard Enterprise。損壞的零件必須與寄送資料中隨附的相關技術文件一併退還。如果無法退還損壞的零件，Hewlett Packard Enterprise 可能要向您收取替換費用。針對客戶自行維修情形，Hewlett Packard Enterprise 將負責所有運費及零件退還費用，並指定使用何家快遞/貨運公司。

如需 Hewlett Packard Enterprise 的 CSR 方案詳細資訊，請連絡您當地的服務供應商。至於北美方案，請參閱 Hewlett Packard Enterprise 的 CSR 網站frepair (http://www.hpe.com/support/selfrepair)。

고객 셀프 수리

Hewlett Packard Enterprise 제품은 수리 시간을 최소화하고 결함이 있는 부품 교체 시 더욱 융통성을 발휘할 수 있도록 하기 위해 고객 셀프 수리(CSR) 부품을 다량 사용하여 설계되었습니다. 진단 기간 동안 Hewlett Packard Enterprise(또는 Hewlett Packard Enterprise 서비스 공급업체 또는 서비스 협력업체)에서 CSR 부품을 사용하여 수리가 가능하다고 판단되면 Hewlett Packard Enterprise는 해당 부품을 바로 사용자에게 보내어 사용자가 교체할 수 있도록 합니다. CSR 부품에는 두 가지 종류가 있습니다.

- **필수** - 고객 셀프 수리가 의무 사항인 필수 부품. 사용자가 Hewlett Packard Enterprise에 이 부품의 교체를 요청할 경우 이 서비스에 대한 출장비 및 작업비가 청구됩니다.
- **선택 사항** - 고객 셀프 수리가 선택 사항인 부품. 이 부품들도 고객 셀프 수리가 가능하도록 설계되었습니다. 하지만 사용자가 Hewlett Packard Enterprise에 이 부품의 교체를 요청할 경우 사용자가 구입한 제품에 해당하는 보증 서비스 유형에 따라 추가 비용 없이 교체가 가능할 수 있습니다.

참고: 일부 Hewlett Packard Enterprise 부품은 고객 셀프 수리가 불가능하도록 설계되었습니다. Hewlett Packard Enterprise는 만족스러운 고객 보증을 위해 공인 서비스 제공업체를 통해 부품을 교체하도록 하고 있습니다. 이러한 부품들은 Illustrated Parts Catalog에 "No"라고 표시되어 있습니다.

CSR 부품은 재고 상태와 지리적 조건이 허용하는 경우 다음 영업일 납품이 가능하도록 배송이 이루어집니다. 지리적 조건이 허용하는 경우 추가 비용이 청구되는 조건으로 당일 또는 4시간 배송이 가능할 수도 있습니다. 도움이 필요하시면 Hewlett Packard Enterprise Support Center로 전화하십시오. 전문 기술자가 전화로 도움을 줄 것입니다. Hewlett Packard Enterprise는 결함이 발생한 부품을 Hewlett Packard Enterprise로 반환해야 하는지 여부를 CSR 교체 부품과 함께 배송된 자료에 지정합니다. 결함이 발생한 부품을 Hewlett Packard Enterprise로 반환해야 하는 경우에는 지정된 기간 내(통상 영업일 기준 5일)에 Hewlett Packard Enterprise로 반환해야 합니다. 이때 결함이 발생한 부품은 제공된 포장 재료에 넣어 관련 설명서와 함께 반환해야 합니다. 결함이 발생한 부품을 반환하지 않는 경우 Hewlett Packard Enterprise가 교체 부품에 대해 비용을 청구할 수 있습니다. 고객 셀프 수리의 경우, Hewlett Packard Enterprise는 모든 운송 및 부품 반환 비용을 부담하며 이용할 운송업체 및 택배 서비스를 결정합니다.

Hewlett Packard Enterprise CSR 프로그램에 대한 자세한 내용은 가까운 서비스 제공업체에 문의하십시오. 북미 지역의 프로그램에 대해서는 Hewlett Packard Enterprise CSR 웹 사이트(http://www.hpe.com/support/selfrepair)를 참조하십시오.

http://www.hpe.com/info/insightremotesupport/docs

mailto:docsfeedback@hpe.com

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