



## **Cisco UCS S3260 Storage Server PCBA Disassembly For Commission Regulation (EU) 2019/424 Service Note**

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# CHAPTER 1

## Overview

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This chapter contains the following topic:

- [Overview, on page 1](#)

## Overview

This document provides information to recyclers about how to disassemble the UCS S3260 Storage Server printed circuit board assembly (PCBA) to comply with ewaste and eco design requirements for Commission Regulation (EU) 2019/424.

This document is an addendum to the *Cisco UCS S3260 Storage Server Chassis Installation and Service Guide* [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/s/hw/S3260/installb/S3260.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/s/hw/S3260/installb/S3260.pdf) which contains additional hardware installation and maintenance procedures for the Cisco UCS S3260 Storage Server.





## CHAPTER 2

# Considerations for Battery Replacement

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This chapter contains the following topic:

- [Considerations for Battery Recycling, on page 3](#)

## Considerations for Battery Recycling

The following additional text supplements the information about replacing the Real Time Clock battery in the Cisco UCS S3260 Storage Server.

For information about the RTC battery and battery installation and replacement procedures, see "Replacing an RTC Battery Inside the Server Node" in the *Cisco UCS S3260 Storage Server Chassis Installation and Service Guide*. Go to [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/s/hw/S3260/installb/S3260.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/s/hw/S3260/installb/S3260.pdf).



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**Warning**

**Recyclers:** Do not shred the battery! Make sure you dispose of the battery according to appropriate regulations for your country or locale.

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The real-time clock (RTC) battery retains system settings when the server is disconnected from power. The battery type is CR2032. Cisco supports the industry-standard CR2032 battery, which can be purchased from most electronic stores.







## CHAPTER 3

# Recycling the PCB Assembly (PCBA)

This chapter contains the following topic:

- [Recycling the PCB Assembly \(PCBA\), on page 5](#)

## Recycling the PCB Assembly (PCBA)

The PCBA is secured to the bottom of the server chassis. To recycle the PCBA, you will need to remove some components from the server. The assemblies and subassemblies are secured to the chassis and held together by M3x0.5mm screws.

### Before you begin



**Note** **For Recyclers Only!** This procedure is not a standard field-service option. This procedure is for recyclers who will be reclaiming the electronics for proper disposal to comply with local eco design and e-waste regulations.

To remove the printed circuit board assembly (PCBA), the following requirements must be met:

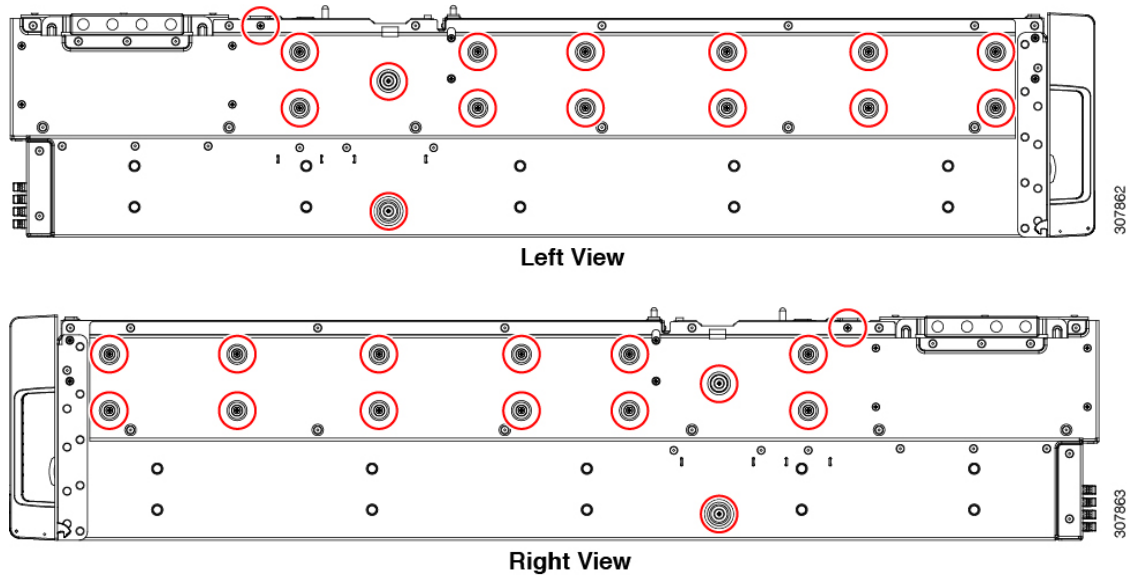
- The server must be disconnected from facility power. See "Shutting Down and Powering Off the S3260 System" in the *Cisco UCS S3260 Storage Server Chassis Installation and Service Guide*. Go to [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/s/hw/S3260/installb/S3260.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/s/hw/S3260/installb/S3260.pdf).
- The server must be removed from the equipment rack.
- The server's top cover must be removed. See in the *Cisco UCS S3260 Storage Server Chassis Installation and Service Guide*. Go to [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/s/hw/S3260/installb/S3260.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/s/hw/S3260/installb/S3260.pdf).
- All drives in the drive cage should be removed. If they are present, remove them now. See "Replacing Internal Drives" in the *Cisco UCS S3260 Storage Server Chassis Installation and Service Guide*. Go to [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/s/hw/S3260/installb/S3260.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/s/hw/S3260/installb/S3260.pdf).

### Step 1

Remove the mounting screws from the left and right exterior sides of the chassis.

The following figure shows these screws.

**Figure 1: Location of Mounting Screws on Chassis Exterior (Horizontal View)**



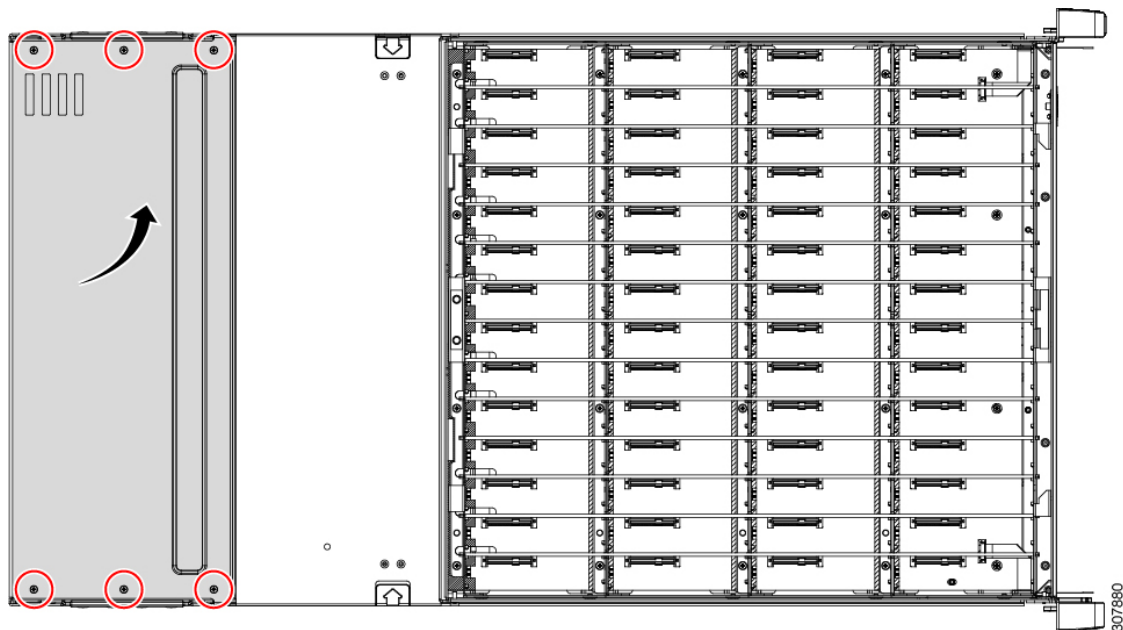
## Step 2

Remove the SSD backplane cables.

- Using a screwdriver, rotate each of the top rear cover screws counter-clockwise until it disengages.
- Remove the top rear cover.

The following image shows the location of the rear top cover screws.

**Figure 2: Location of Rear Top Cover and Screws**



- Reach down to grasp the SSD backplane cable connectors, then disconnect the cables from the SSD backplane and Midplane assembly.
- Cut the cable tie that secures the SSD backplane cables to the chassis.

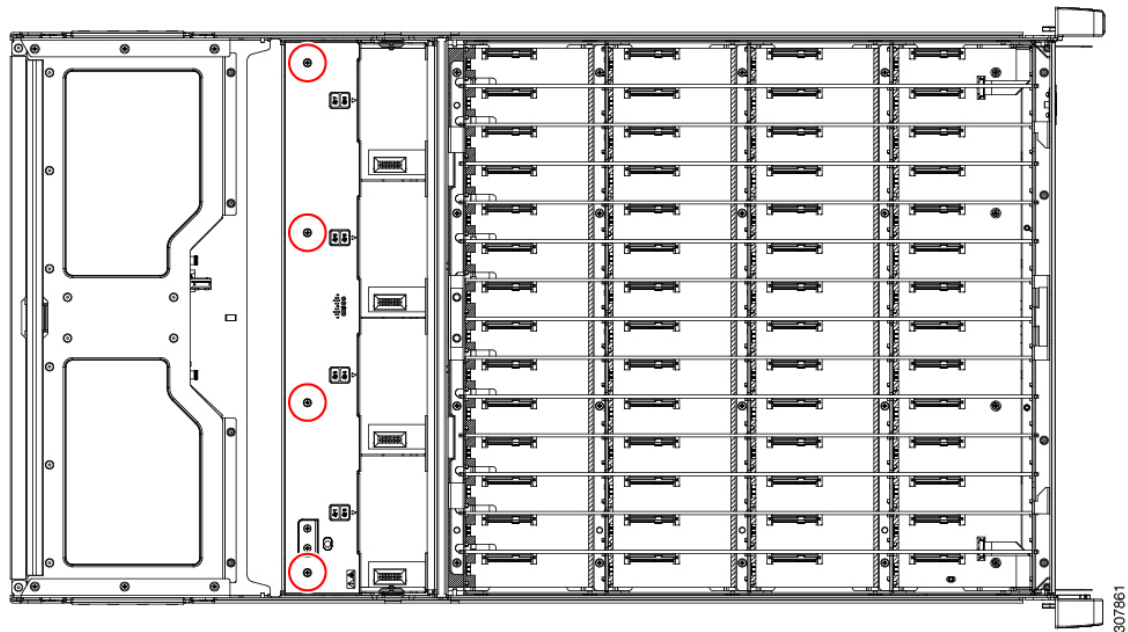
**Step 3**

Remove the cover plate.

- a) Open the fan compartment doors by pushing the latches inward toward each other.
- b) Using a screwdriver, rotate each of the Midplane assembly screws counter-clockwise until it disengages.
- c) Grasp the cover and remove it by hand.

The following illustration shows the location of the screws.

**Figure 3: Location of Mounting Screws for Midplane Cover (Top Down View)**

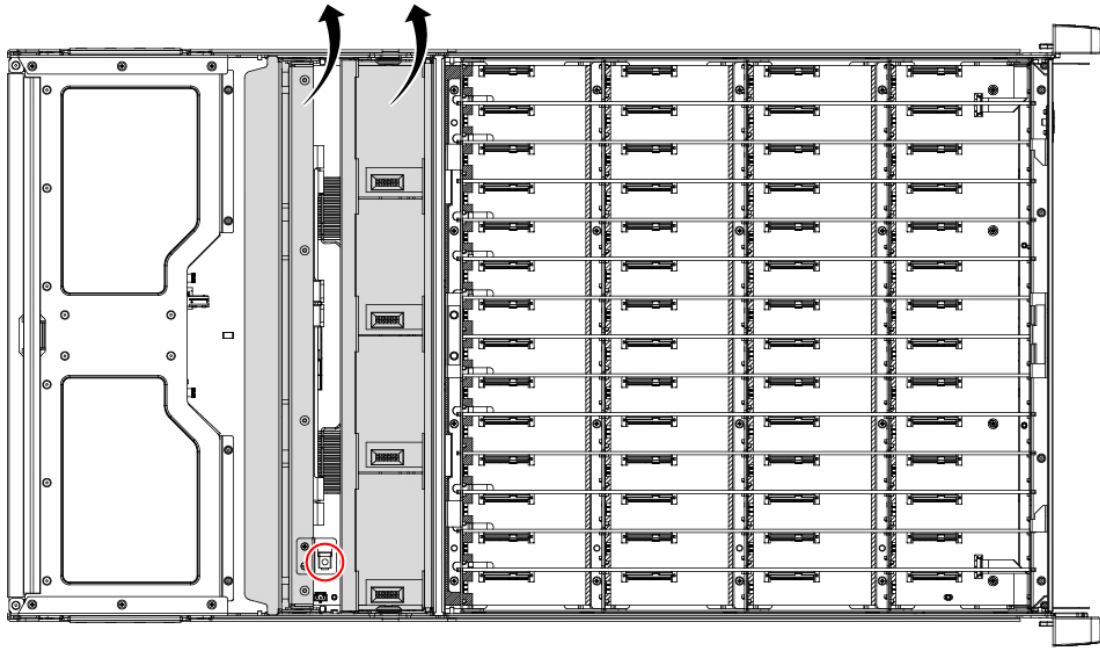
**Step 4**

Remove the Midplane PCBA.

- a) Remove all the fans (if present).
- b) Remove the fan cage.
- c) Disconnect the sensor connector from the motherboard.
- d) Locate the cable tie on the interior chassis wall and cut the tie so that the cables are no longer attached to the chassis.
- e) Lift the Midplane assembly straight up to disconnect it from its sockets and remove it from the chassis.

The following image shows the locations of these components.

Figure 4: Location of Sensor Connector, Fan Cage, and Midplane Assembly (Top Down View)



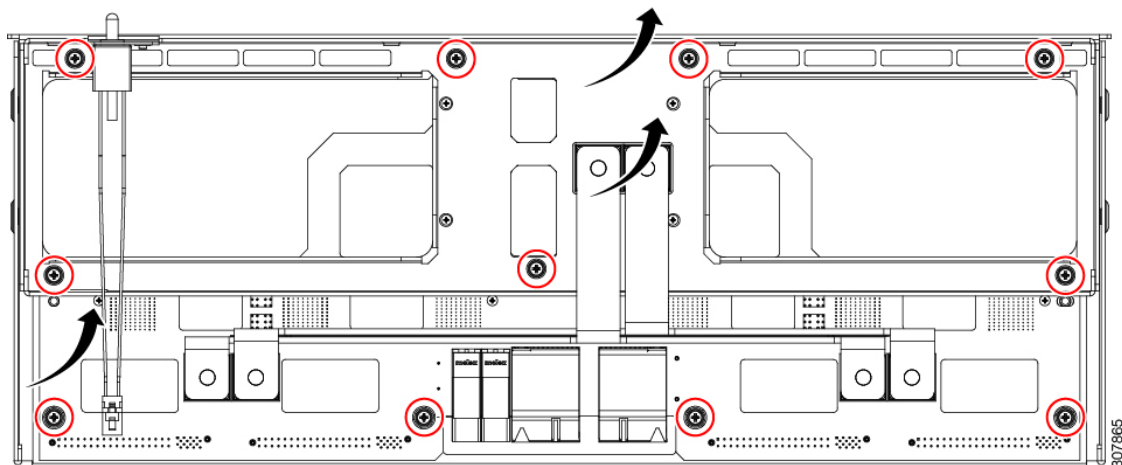
**Step 5**

Disassemble the Midplane PCBA.

- a) Using a standard screwdriver, gently pry up the Bus Bar modules at each connector until you can remove them by hand.
- b) Using a screwdriver, rotate each of the screws counter-clockwise until it disengages.
- c) Grasp the midplane bracket and remove it by hand.
- d) Separate the Midplane PCBA from the midplane bracket by hand.

The following image shows the screws and components.

Figure 5: Location of Mounting Screws, Bus Bar Modules, Midplane Bracket, and Midplane PCBA (Top Down View)

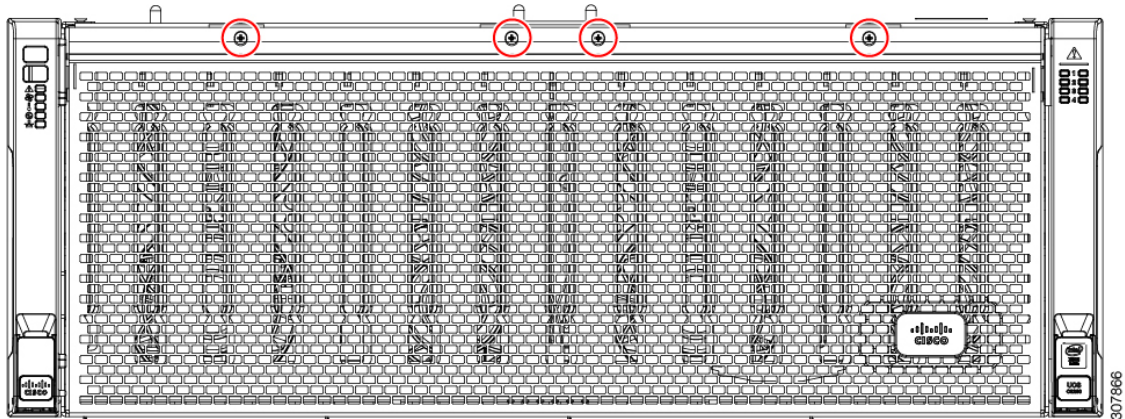


**Step 6**

Remove the drive cage mounting screws from the front of the chassis.

The following illustration shows these screws.

Figure 6: Location of Drive Cage Mounting Screws on Chassis Front Panel



**Step 7** Open the double doors for the drive cage.

**Step 8** Remove the drive cage.

- a) Disconnect the motherboard sensor connector from the motherboard by hand.
- b) Using a long standard screwdriver, disconnect the ribbon cable from the each of the FPC motherboard connectors by swiping the connector towards the chassis front panel.

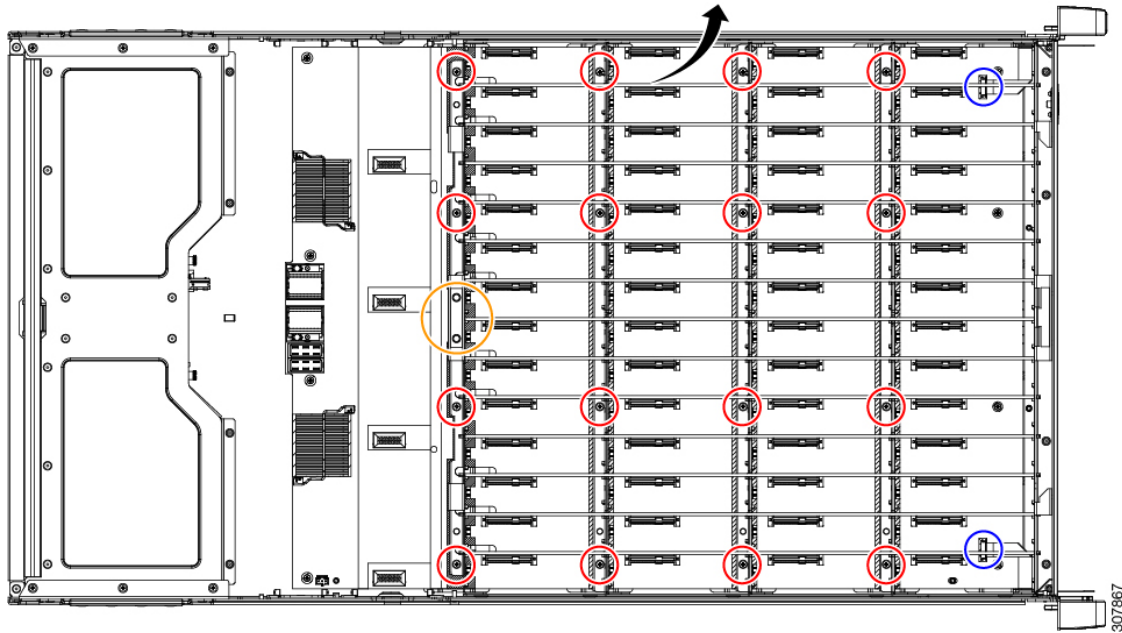
**Note** The FPC connectors have small hinges that open by pivoting toward the chassis front panel. When a connector opens, its ribbon cable is disconnected. The ribbon cable is attached to the inside of the drive cage, which can add resistance when you remove the drive cage.

- c) Using a screwdriver, rotate each of the screws counter-clockwise until it disengages.
- d) Lift the drive cage out of the chassis.

If the ribbon cables for the FPC connectors cause resistance when you lift the drive cage, pull the cables to detach them from the drive cage.

The following image shows the screws and components.

**Figure 7: Location of Mounting Screws, Motherboard Sensor, and FPC Motherboard Connectors (Top Down View)**

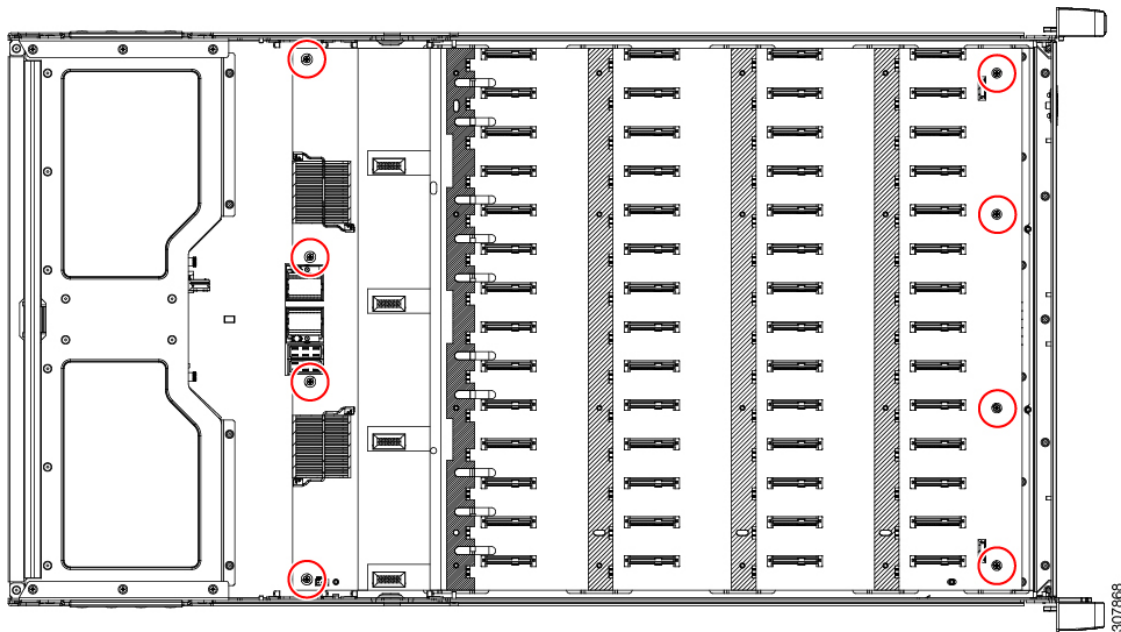


**Step 9**

Remove the mounting screws for the motherboard and lift the motherboard out of the chassis.

The following image shows the location of the screws.

**Figure 8: Location of Mounting Screws for Motherboard**



**Step 10**

Dispose of the motherboard, PCBA, and all other removed components properly.