

FUJITSU PRIMEHPC FX700

Disassembly and Recycling Instruction

January 2020

Version history

Issue number	Reason for update
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1 Disassembly and recycling

1.1 Recycling information

This manual provides instructions to disassembly the PRIMEHPC FX700.

All materials can be disposed according to the regulation in the EU Directive 2012/19 / EU (Waste Electrical and Electronic Equipment (WEEE)).

Product group: Server

Model: PRIMEHPC FX700

Materials that must be disposed of separately		
Description	Part	Number
Circuit boards With a surface larger than 10 cm ²	BMCB	1
	BMCIFB	1
	PSUBP	1
	CMB	1-4
	CMUIFB	1-4
	PANELB	1
	PCI card	1-8
	M.2 SSD	1-8
Batteries	Lithium battery CR2032 (on BMCB)	1
Mercury-containing components	-	-
Liquid crystal displays (optionally together with the housing) with a surface of more than 100 cm ² and backlit displays with gas discharge lamps	-	-
Cathode ray tubes	-	-
PCB-containing capacitors (PCB: polychlorinated biphenyls)	-	-
Electrolytic capacitors containing substances of concern (height> 25 mm, diameter:> 25 mm or proportionally similar volume)	Power supply unit	2-3
External cables	-	-
Gas discharge lamps	-	-
Plastics containing brominated flame retardants	-	-

Toner cartridges, liquid and pasty, and color toner	-	-
Asbestos waste and components containing asbestos		
Components containing refractory ceramic fibers		
Components containing radioactive substances		
Components containing Chlorofluorocarbons (CFC), hydro chlorofluorocarbons (HCFC), hydrofluorocarbons (HFC) or hydrocarbons (HC)		

1.2 Disassembly



Not all components are installed in the server depending on the configuration.

1.2.1 Removing the Chassis and Mounting Rail in the Rack

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

Metal

Several screws

1.2.1.1 Removing the all FANU

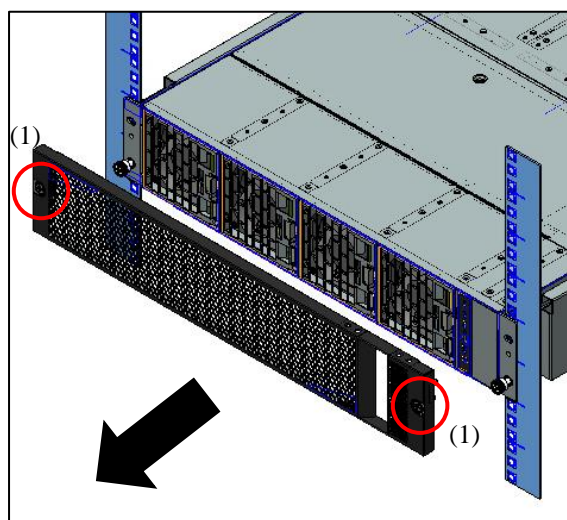


Figure 1 Removing the front panel

- Unscrew the two screws(1) and remove the front panel in the direction of the arrow.

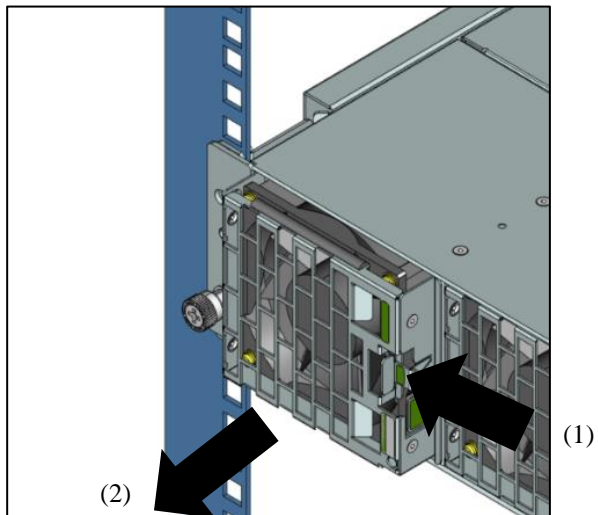


Figure 2 Removing the FANU

- While the first lock is unlocked (1), pull out the FANU in the direction of (2).
- The following shows the holding positions when you remove a FANU.

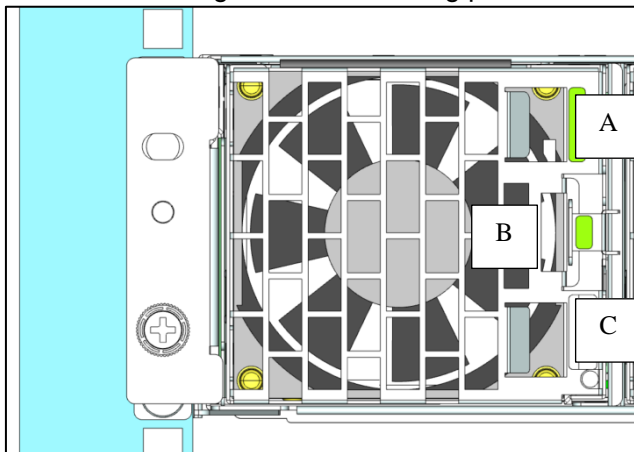


Figure 3 Holding Positions When Removing a FANU

Table 1 Holding Positions When Removing a FANU

	Thumb	Index Finger
Right-hand operation	C	B
Left-hand operation	B	A

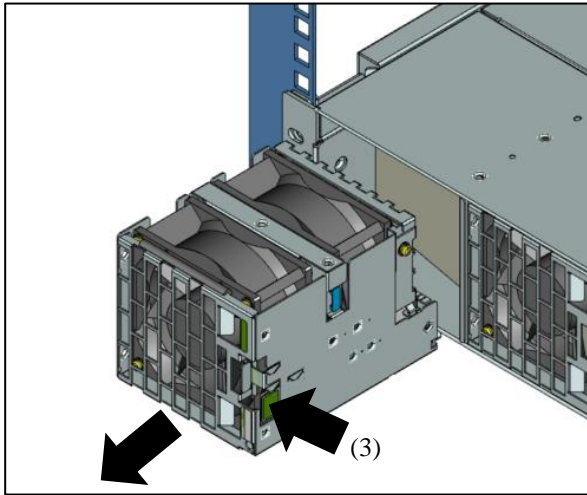


Figure 4 Pulling Out the FANU

- While the second lock for fall prevention is unlocked (3), pull out the FANU.

1.2.1.2 Removing the all PSU

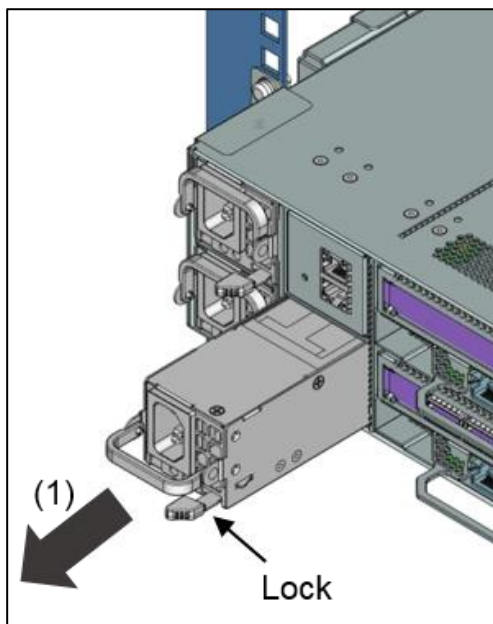


Figure 5 Removing the PSU

- While the lock is unlocked, pull the handle to remove the PSU from the slot (1).

1.2.1.3 Removing the Dummy PSU

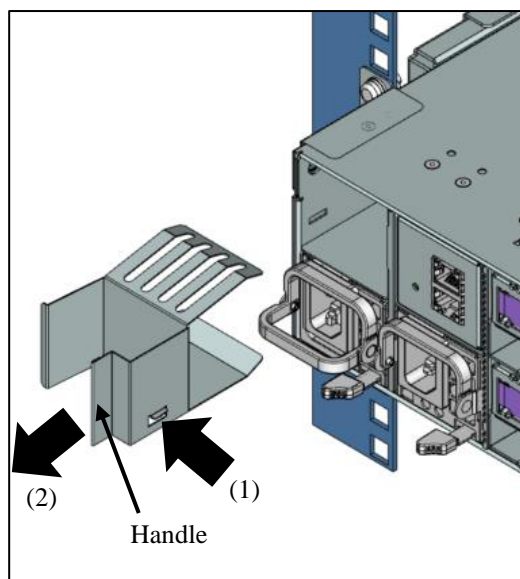


Figure 6 Removing the Dummy PSU

- While the lock is unlocked(1), pull the handle to remove the dummy PSU from the slot (2).

1.2.1.4 Removing the all Blade

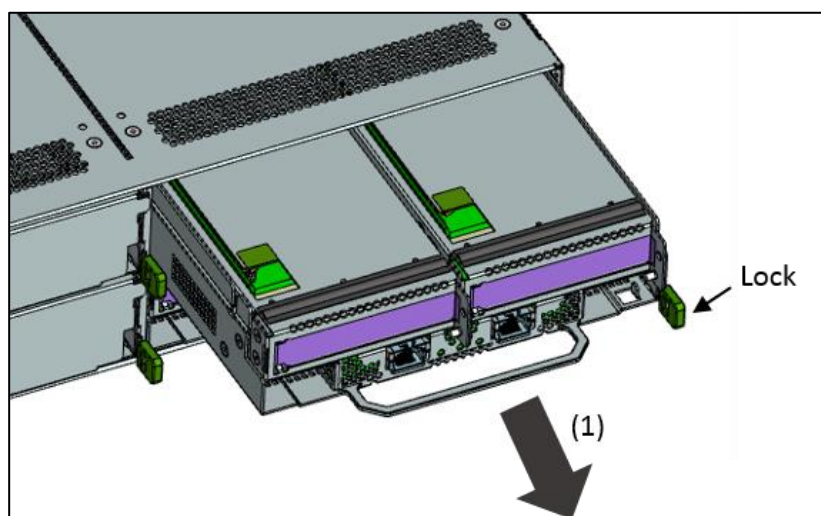


Figure 7 Removing the all Blade

- While the lock is unlocked, pull the handle to remove the blade from the slot (1).

1.2.1.5 Removing the all Dummy Blade

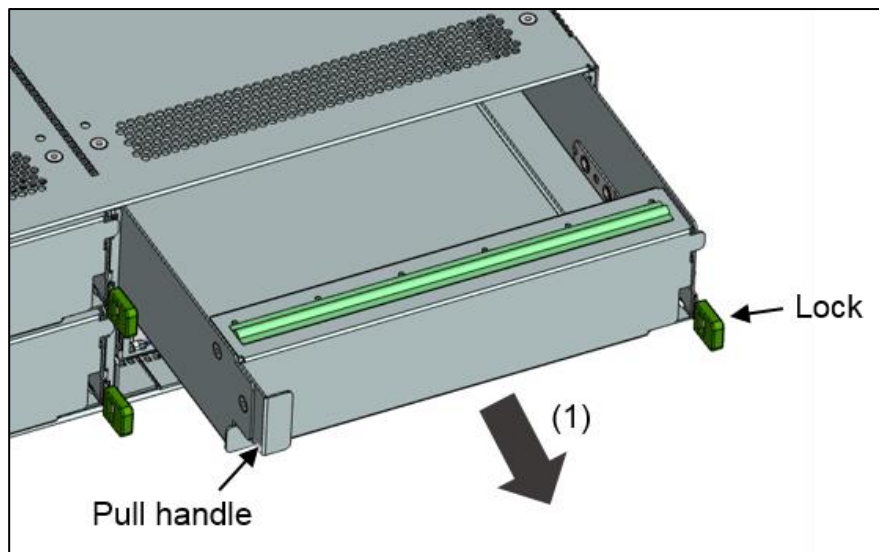


Figure 8 Removing the all Dummy Blade

- Unlock the lock on the release lever, grasp the pull handle, and pull out the dummy blade from the slot (1).

1.2.1.6 Removing the Chassis

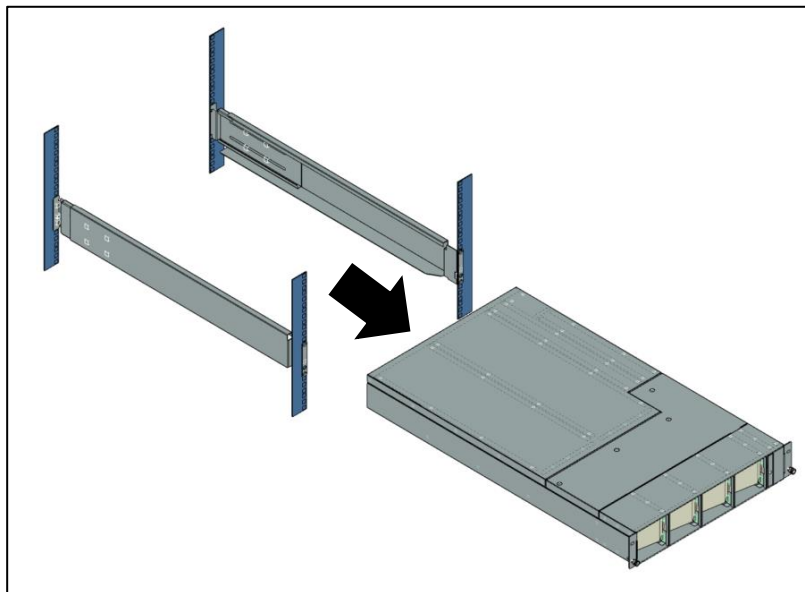


Figure 9 Removing the Chassis

1.2.1.7 Removing the Mounting Rail

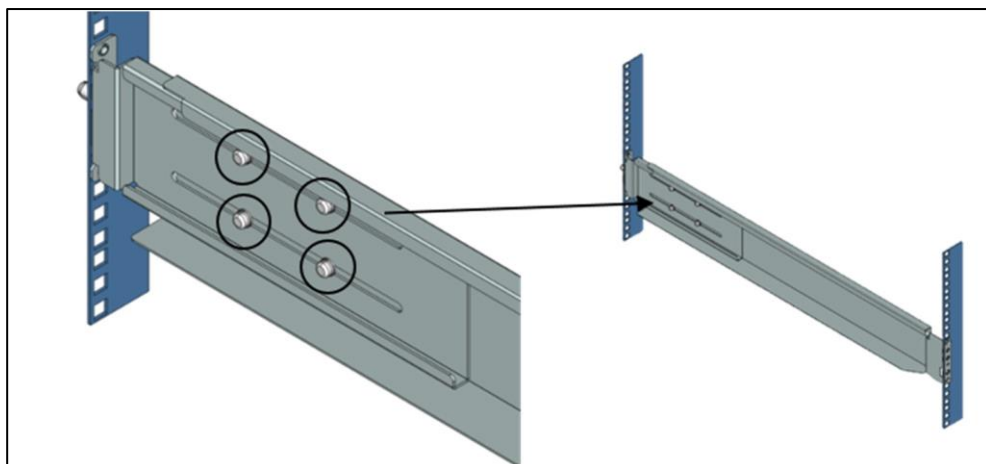


Figure 10 Screw Positions on the Rail

- Unscrew the four screws on the sliding part of the right rail.

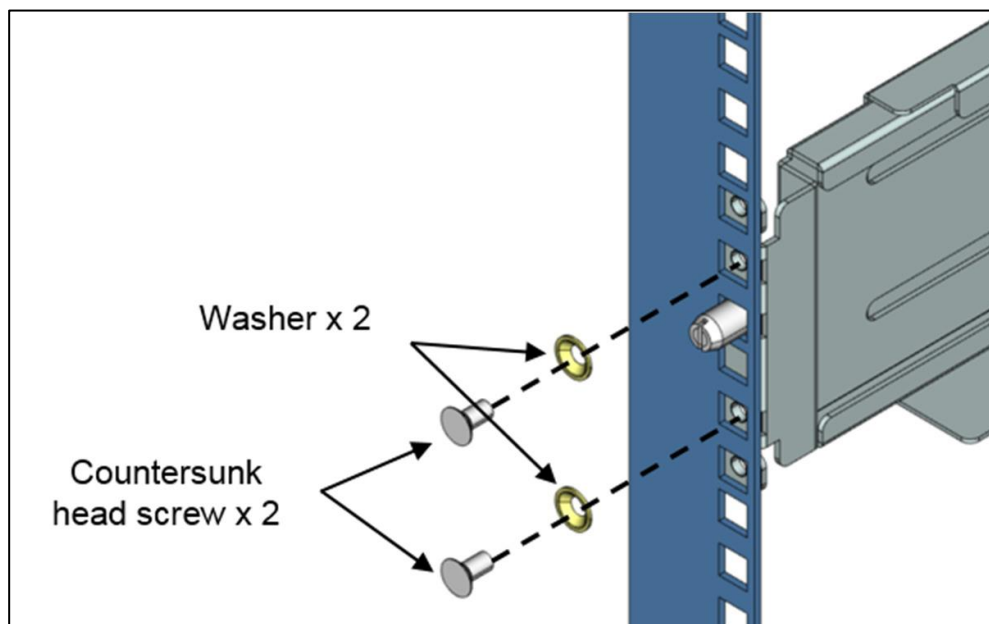


Figure 11 Rear of the Rail

- Unscrew the two screws rear of the rail.

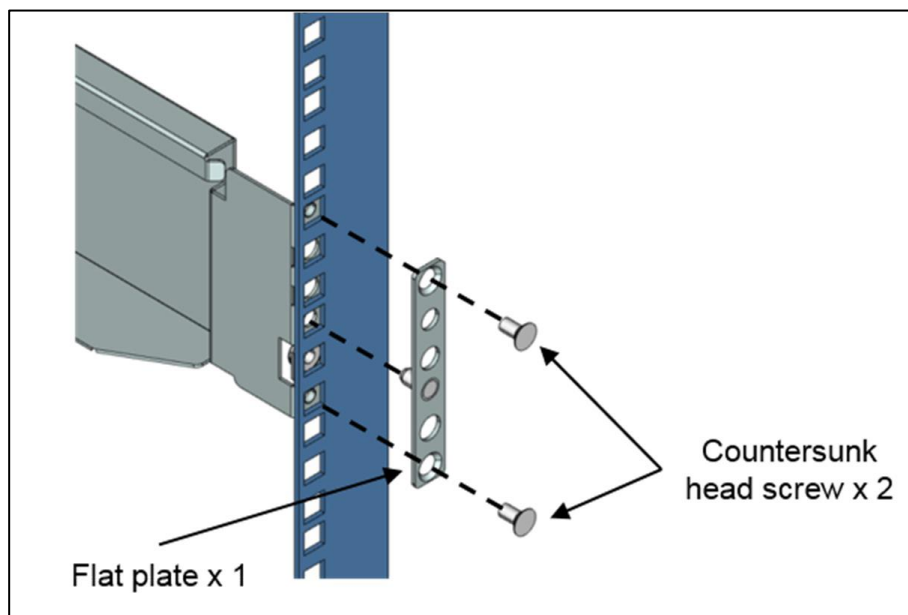


Figure 12 Front of the Rail

- Unscrew the two screws front of the rail and removing the rail.

1.2.2 Removing the Top Cover

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

Metal

Several screws

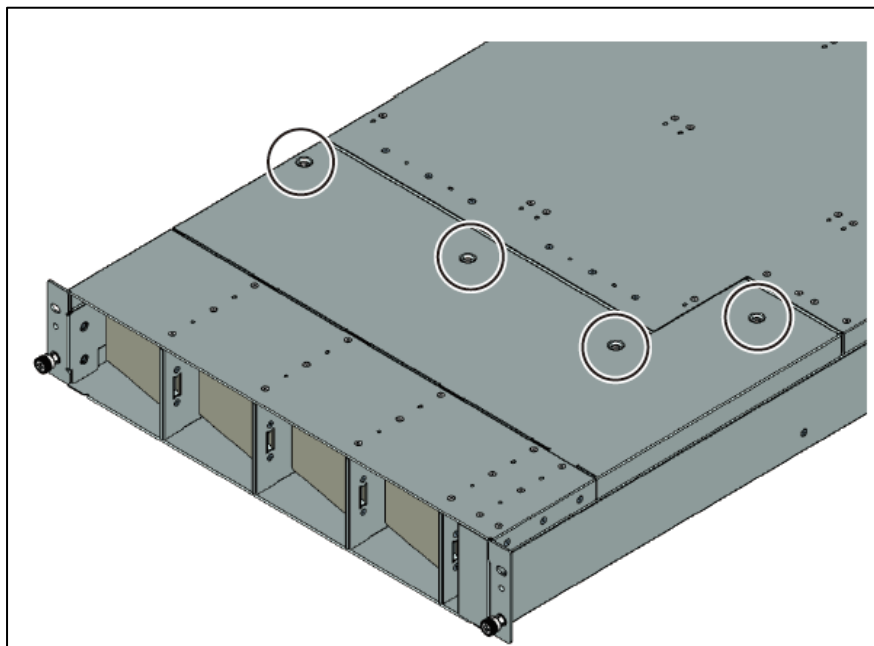


Figure 13 Screw positions on the top cover

- Unscrew the four screws on the top cover.

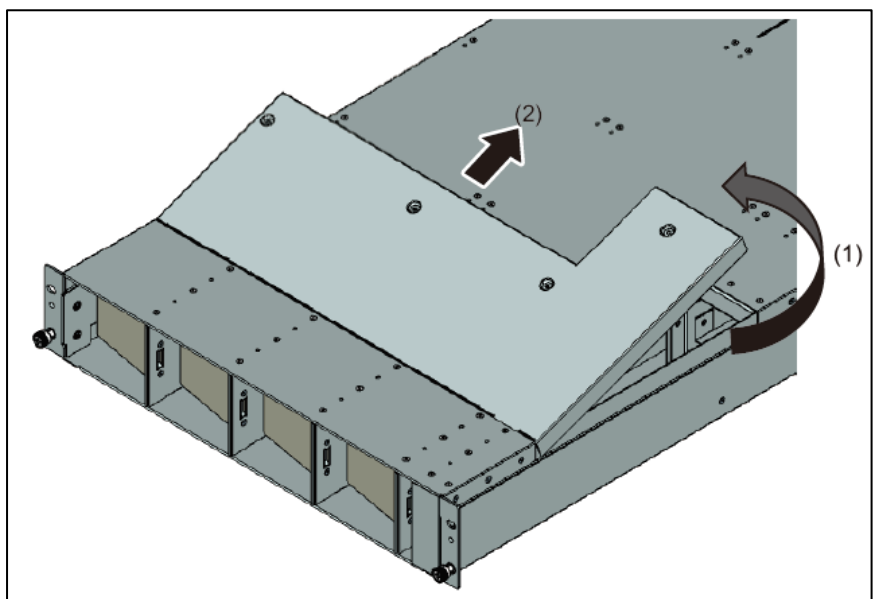


Figure 14 Removing the top cover

1.2.3 Removing the BMCIFB

Tools: Phillips PH2 / (+) No. 2 screw driver

Nipper

Recycling parts

Metal

Several screws

Cable

Printed circuit board

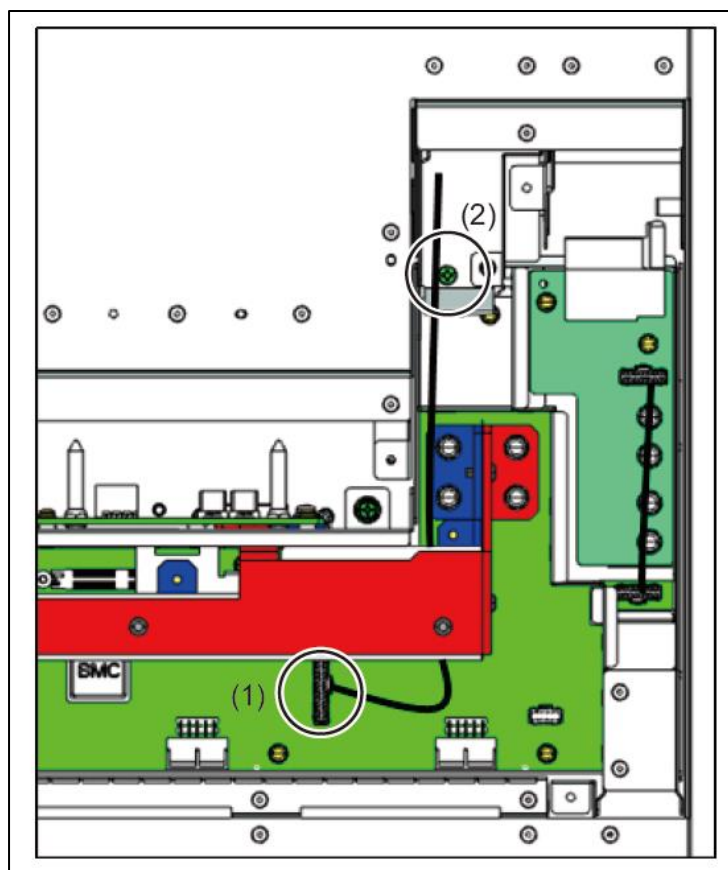


Figure 15 Top of the Server

- Disconnecting the cable connector(1).
- Unscrew a screw(2).

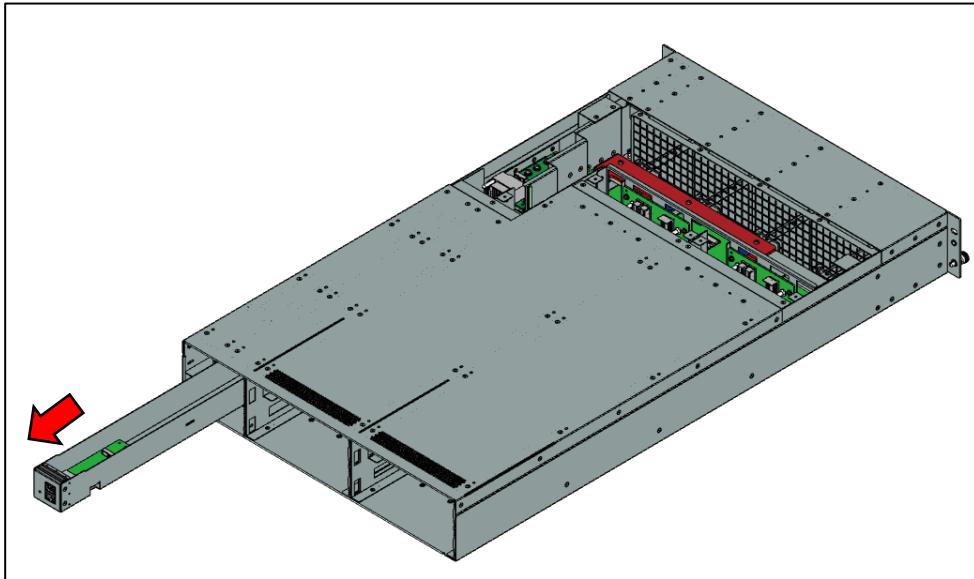


Figure 16 Removing the BMCIFU

- Removing the BMCIFU from the chassis.

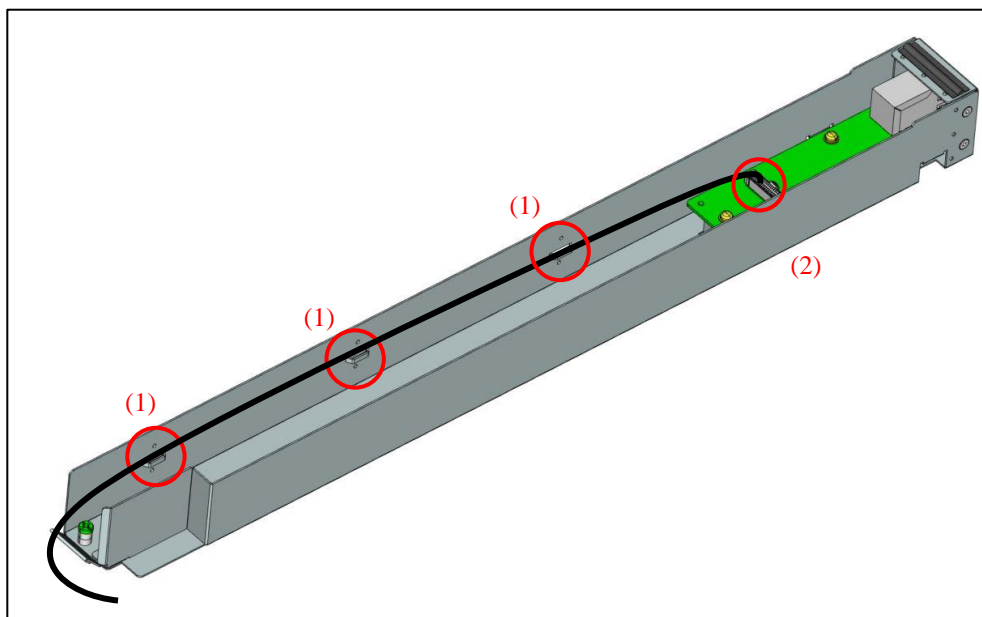


Figure 17 Removing the cable

- Cut the cable ties. (1)
- Disconnecting a cable connector.(2)

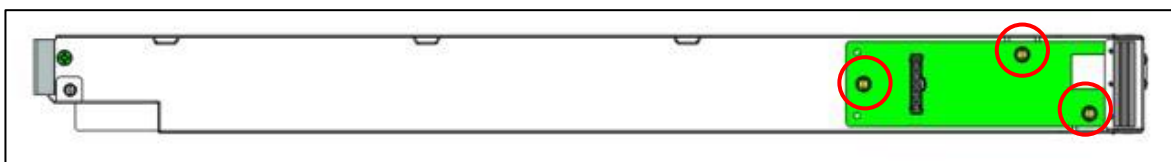


Figure 18 Screw positions on the BMCIFB

- Unscrew the three screws on the BMCIFB.

1.2.4 Removing the PANELB

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

Metal

Plastic

Several screws

Cable

Printed circuit board

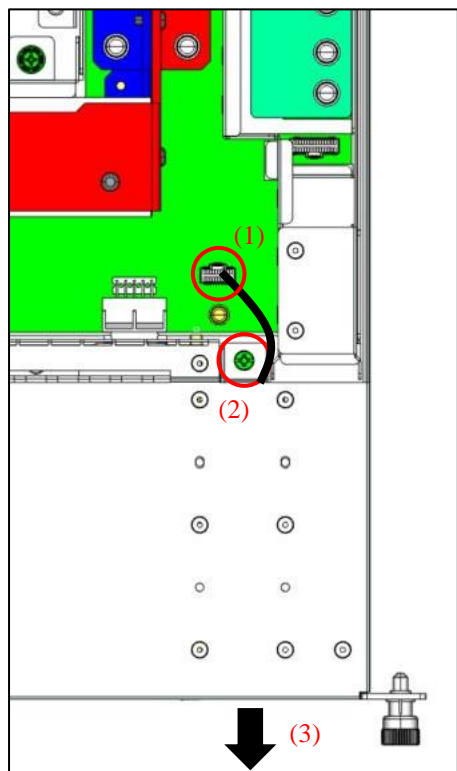


Figure 19 Top of the Server

- Disconnecting a cable connector(1).
- Unscrew a screw(2).
- Removing a PANELU(3).

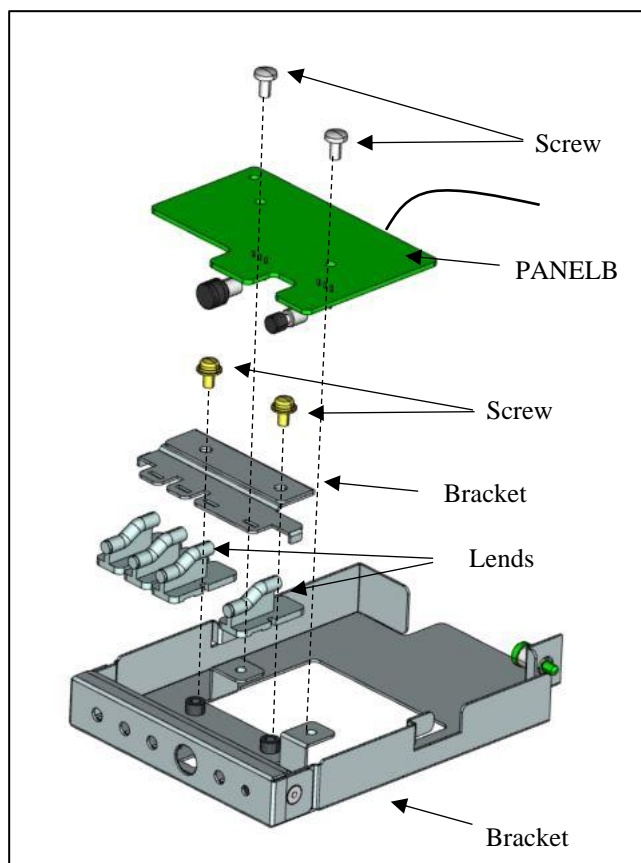


Figure 20 Removing the PANELB, Screw, Bracket and Lends

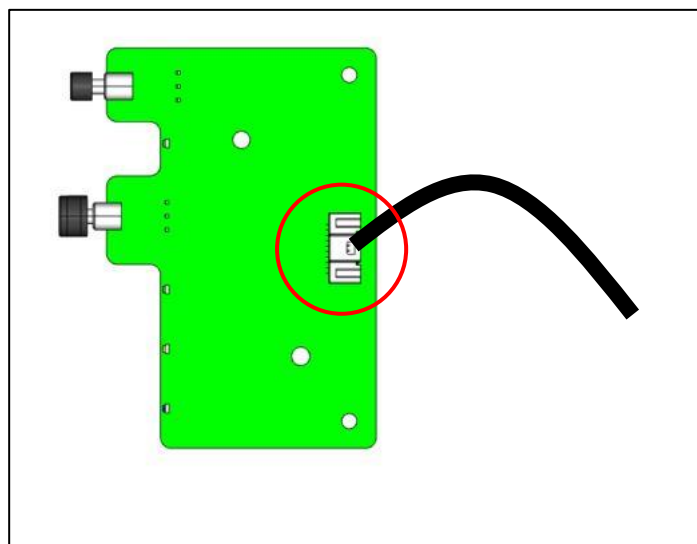


Figure 21 Disconnecting a cable connector

1.2.5 Removing the BMCB and PSUBP

Tools: Phillips PH2 / (+) No. 2 screw driver

Phillips PH1 / (+) No. 1 screw driver

Recycling parts

Metal

Plastic

Several screws

Cable

Printed circuit board



Figure 22 Top of the Server

➤ Unscrew the three screws.

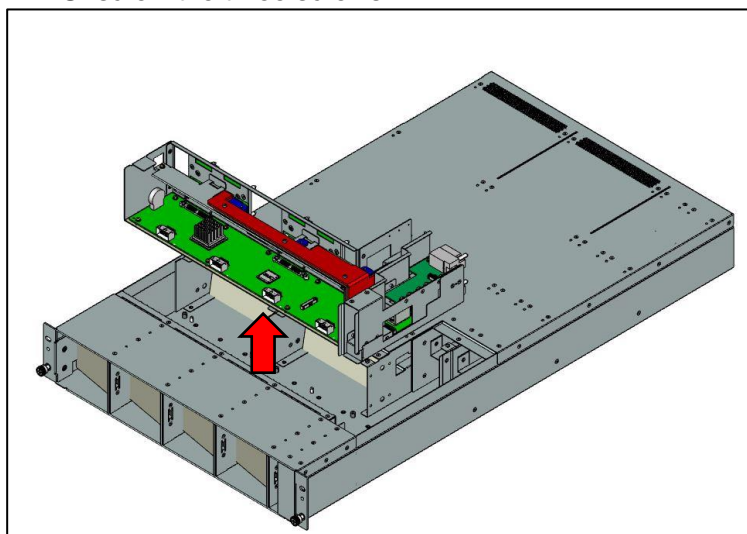


Figure 23 Removing the BMCU

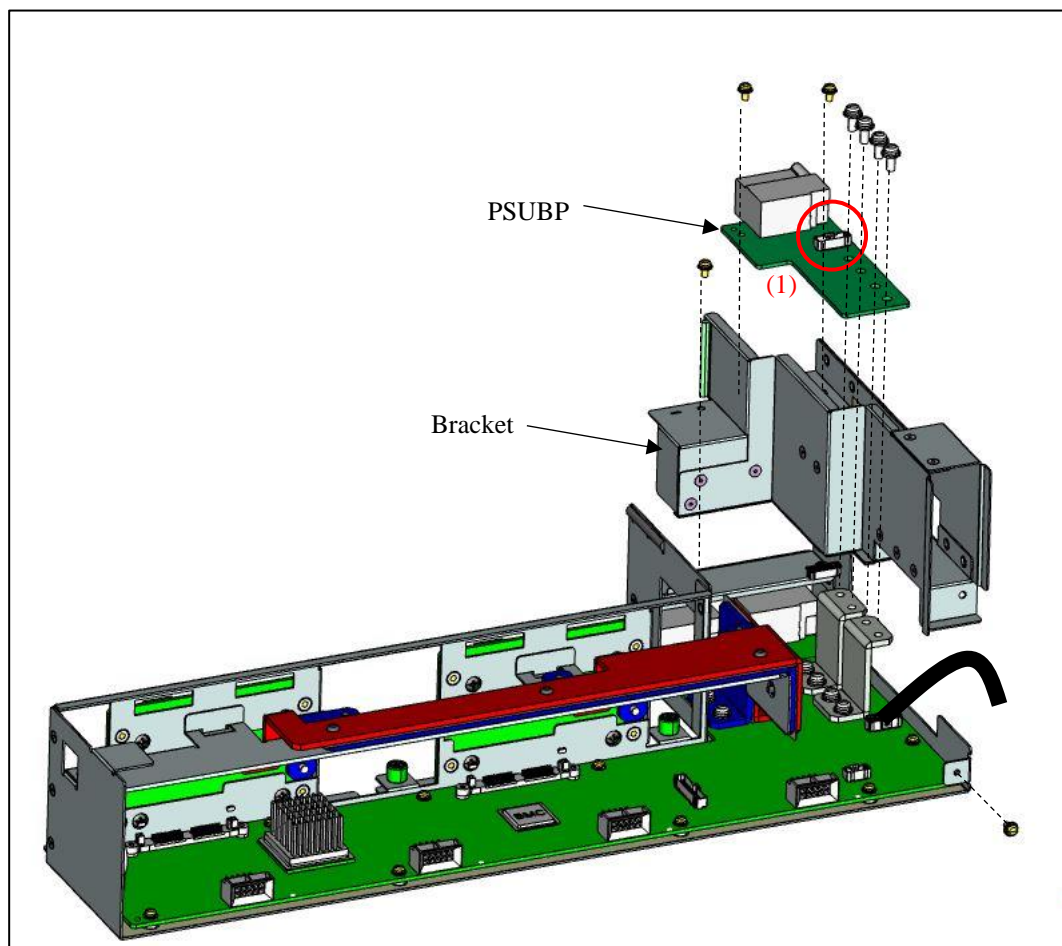


Figure 24 Removing the PSUBP

- Disconnecting a cable connector(1).
- Unscrew the eight screws.
- Removing the PSUBP and Bracket

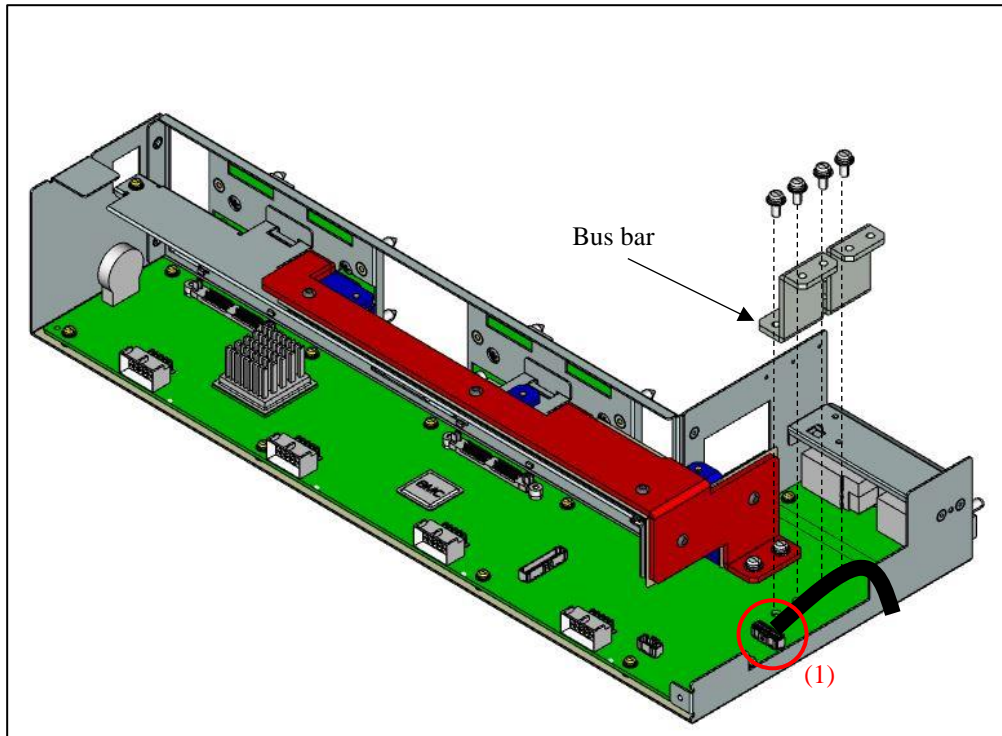


Figure 25 Removing the Bus bar

- Disconnecting a cable connector(1).
- Unscrew the four screws.
- Removing the two Bus bars.

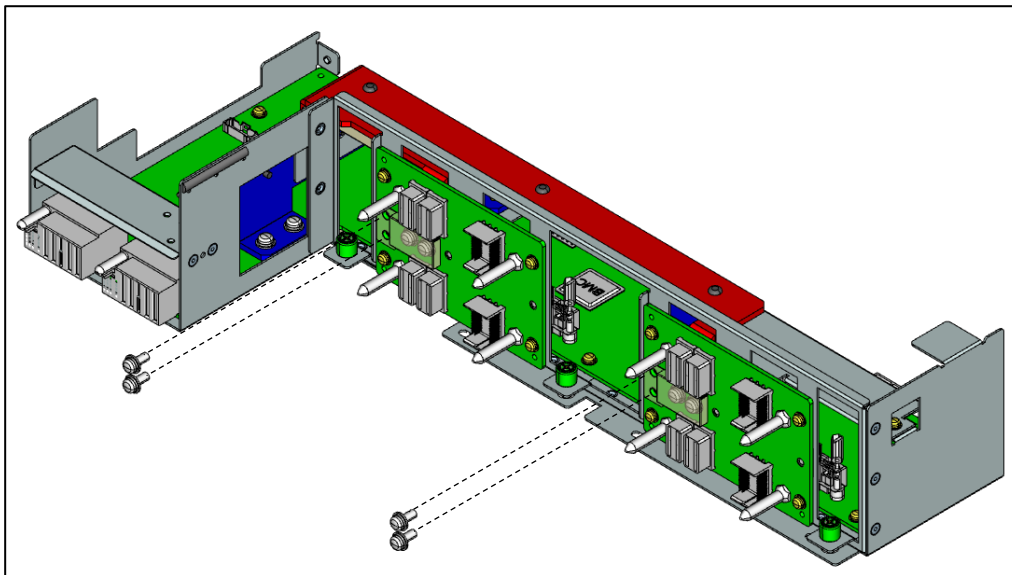


Figure 26 Removing the Screw

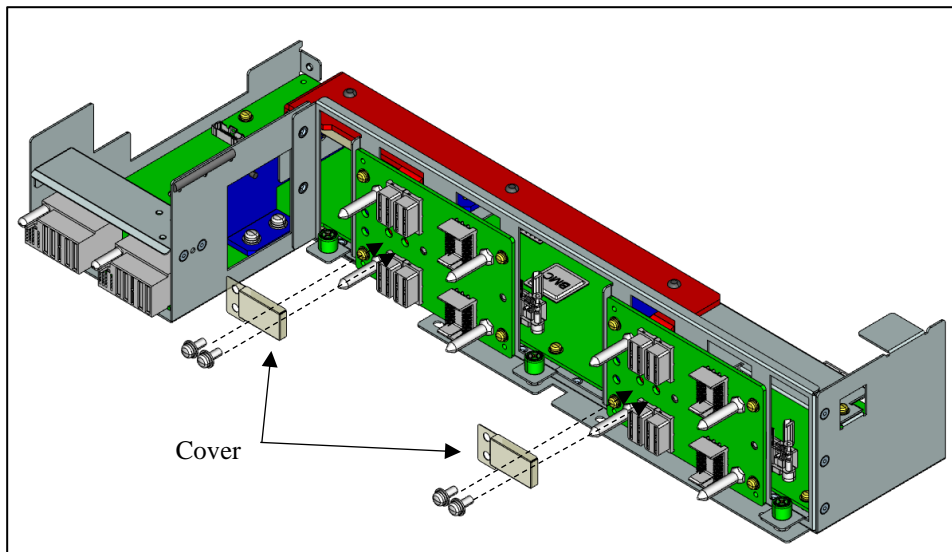


Figure 27 Removing the Cover

- Removing the four screws and Cover.

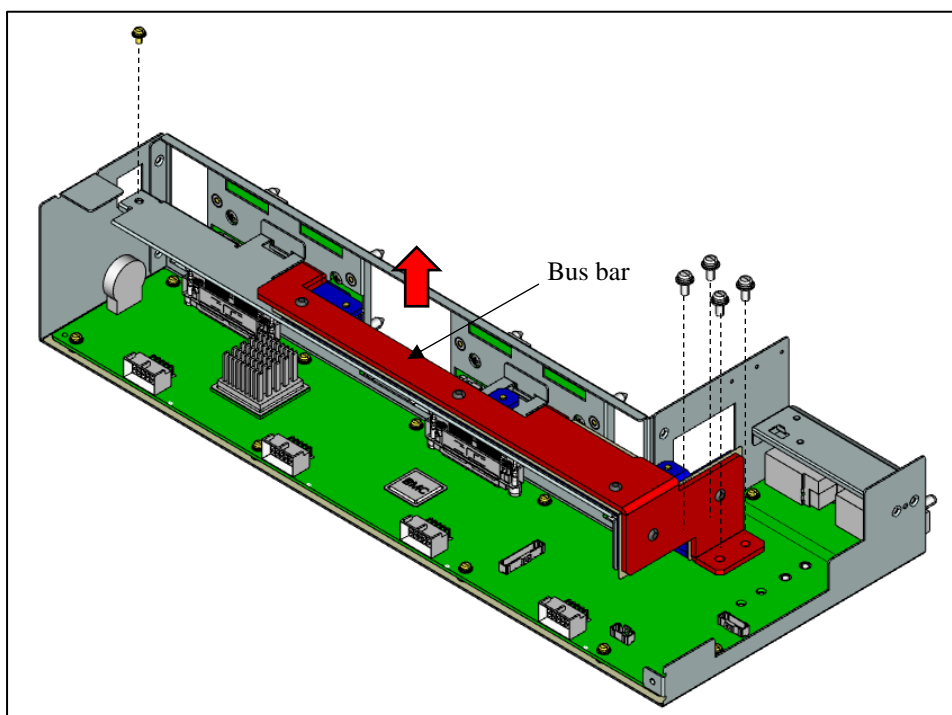


Figure 28 Removing a Bus bar

- Removing the five screws and Bus bar.

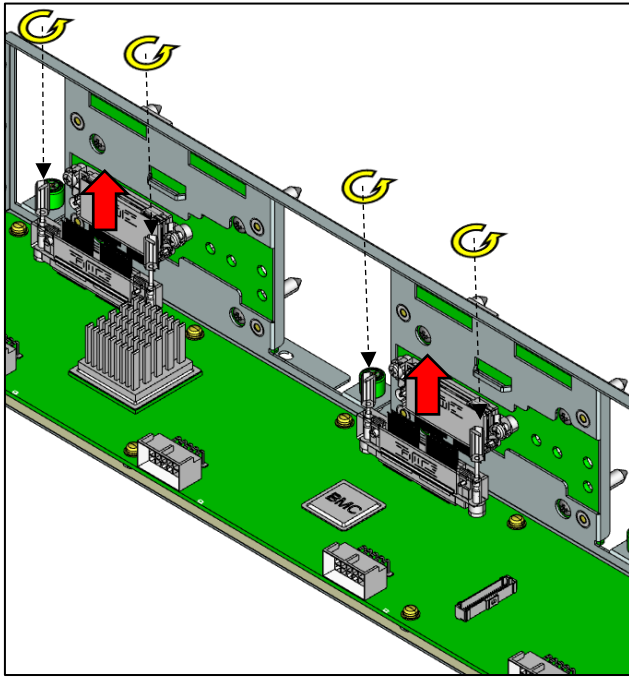


Figure 29 Unscrew the four screws

- Unscrew the four screws.
- Disconnecting the two connector.

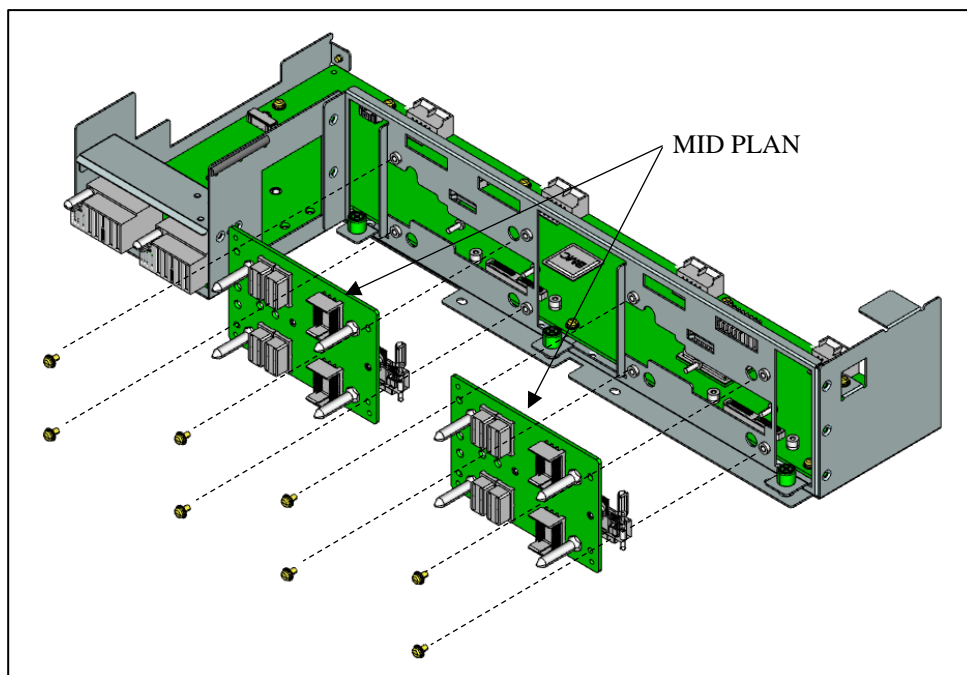


Figure 30 Removing the MID PLAN

- Unscrew the eight screws.
- Removing the MID PLAN.

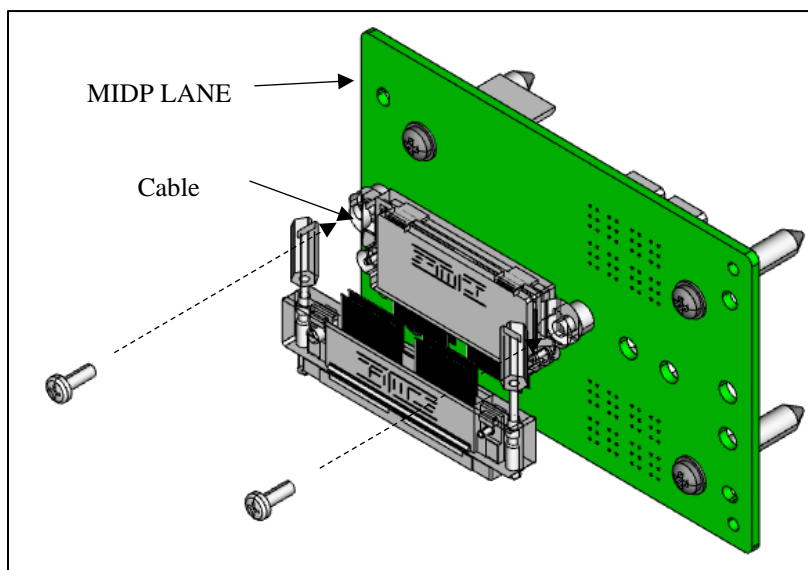


Figure 31 Removing a Cable

- Unscrew the two screws.
- Removing a Cable.

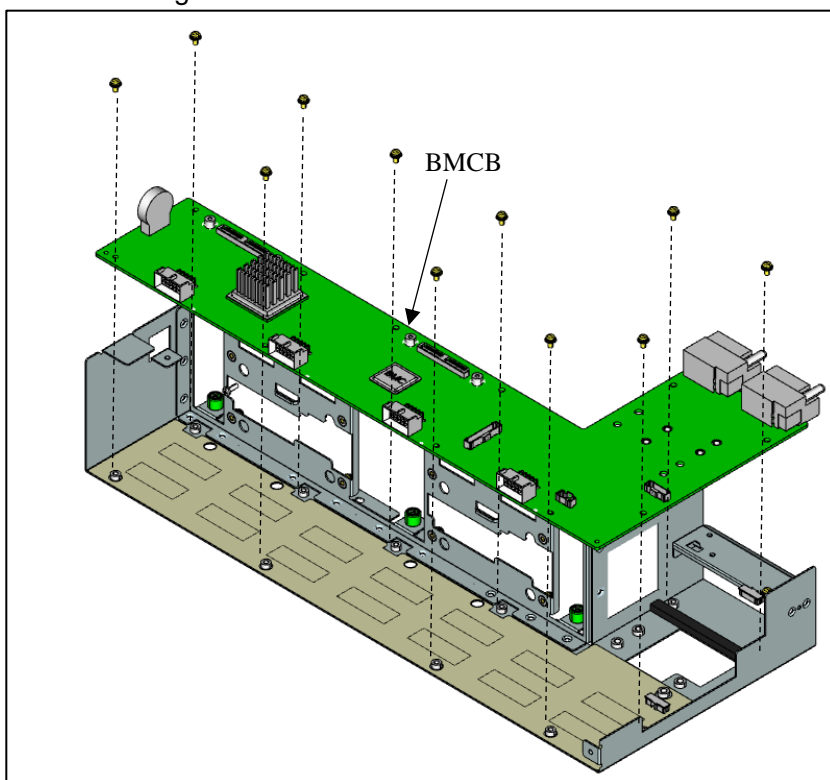


Figure 32 Removing the BMCB

- Unscrew the eleven screws.
- Removing the BMCB.

1.2.6 Removing the Battery

Tools: pin

Recycling parts

Battery

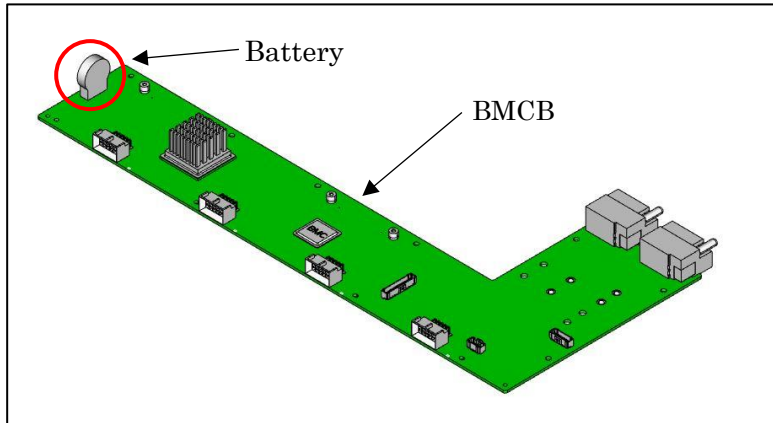


Figure 33 Position of Battery on the BMCB

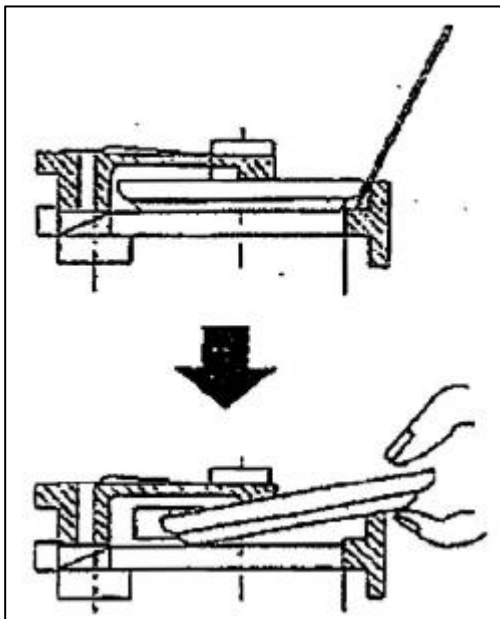


Figure 34 Method of taking out of Battery

- Insert pin, rod or finger in the gap between bottom of holder and battery, lift up battery.
- Take out battery from holder holding it on stopper momentarily.

1.2.7 Removing the FAN

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

Metal

Plastic

Several screws

Cable

FAN modules

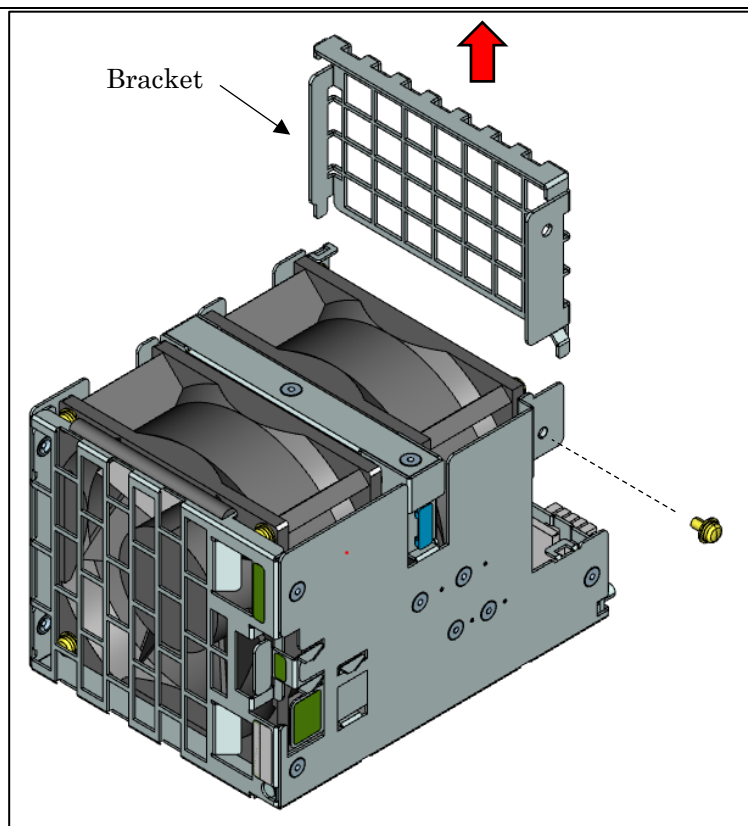


Figure 35 Removing a Bracket

- Unscrew a screw.
- Removing a bracket.

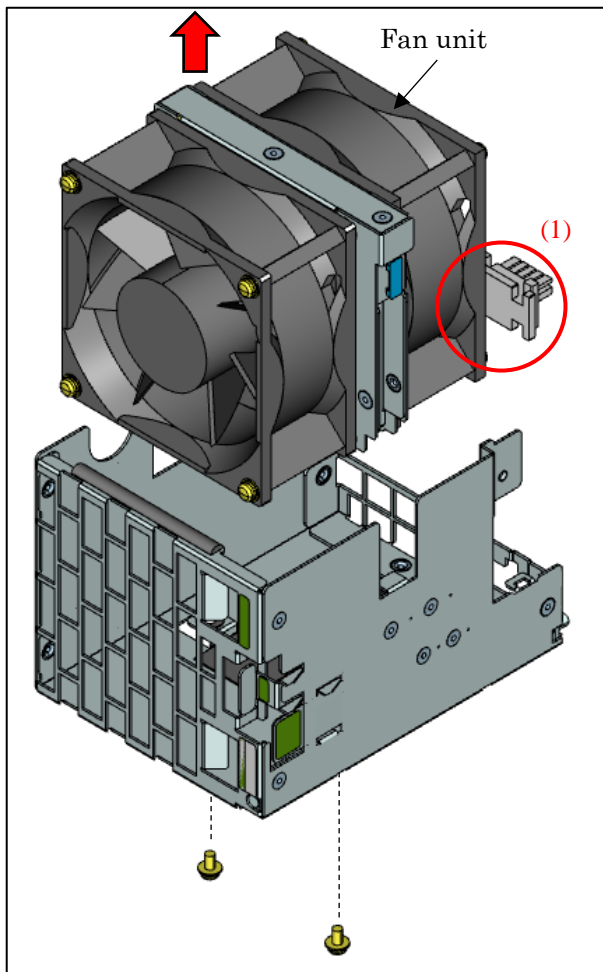


Figure 36 Removing the Fan unit

- Unscrew two screws.
- Disconnecting a connector.(1)
- Removing the fan unit.

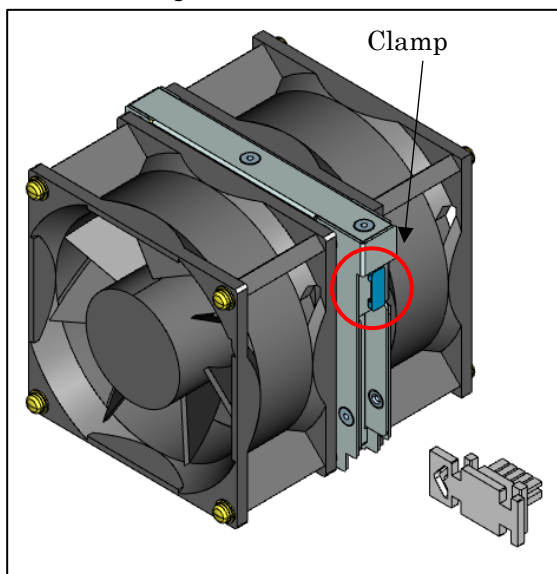


Figure 37 Removing a Clamp

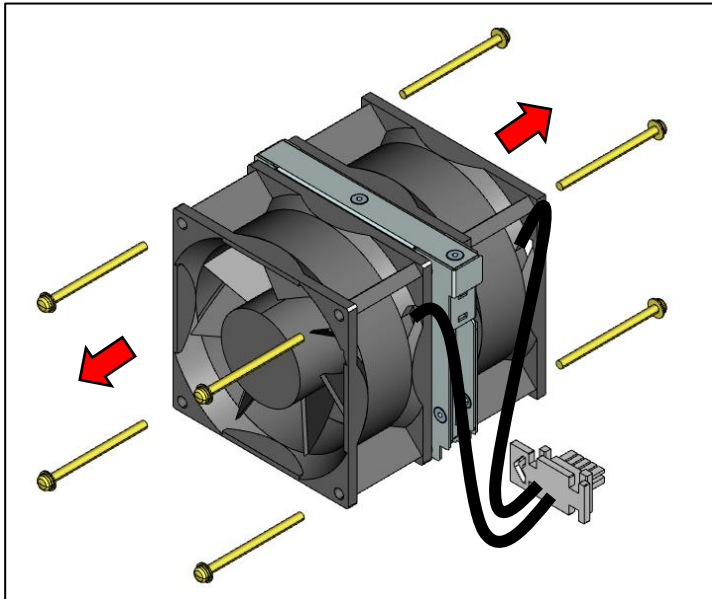


Figure 38 Removing two fans

- Unscrew the eight screws.
- Removing two fans.

1.2.8 Removing the CMB and CMBIFB

Tools: Phillips PH2 / (+) No. 2 screw driver

Hex key (3mm)

Recycling parts

Metal

Plastic

Several screws

Cable

Printed circuit board

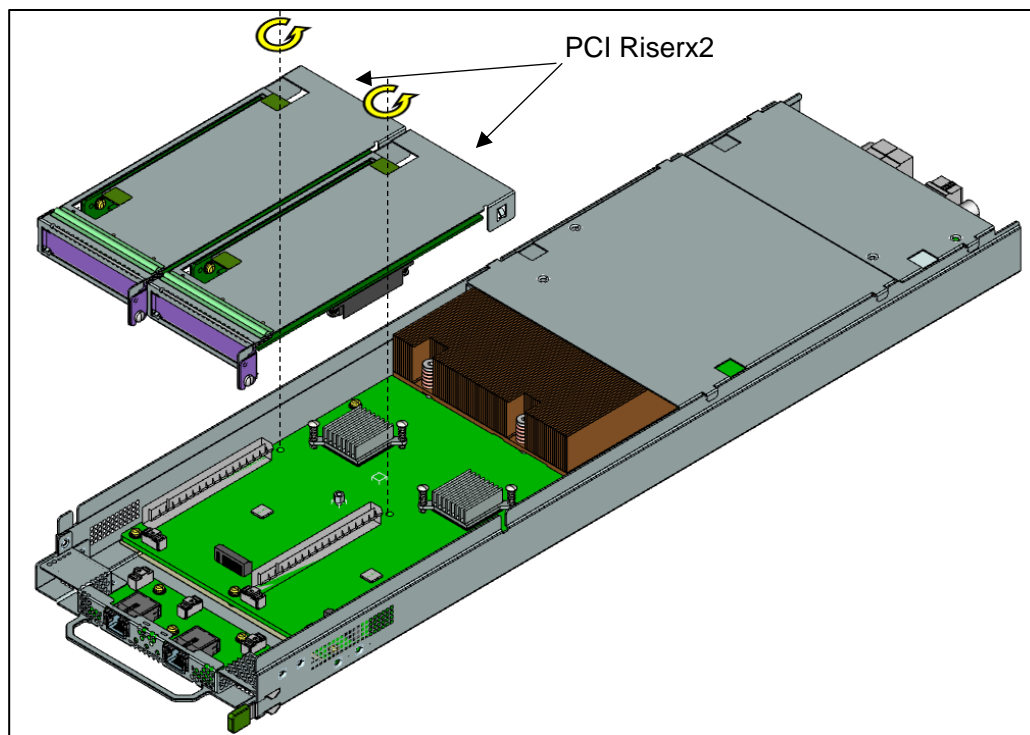


Figure 39 Removing the PCI Riser

- Unscrew the two screws.
- Removing the PCI Riser.

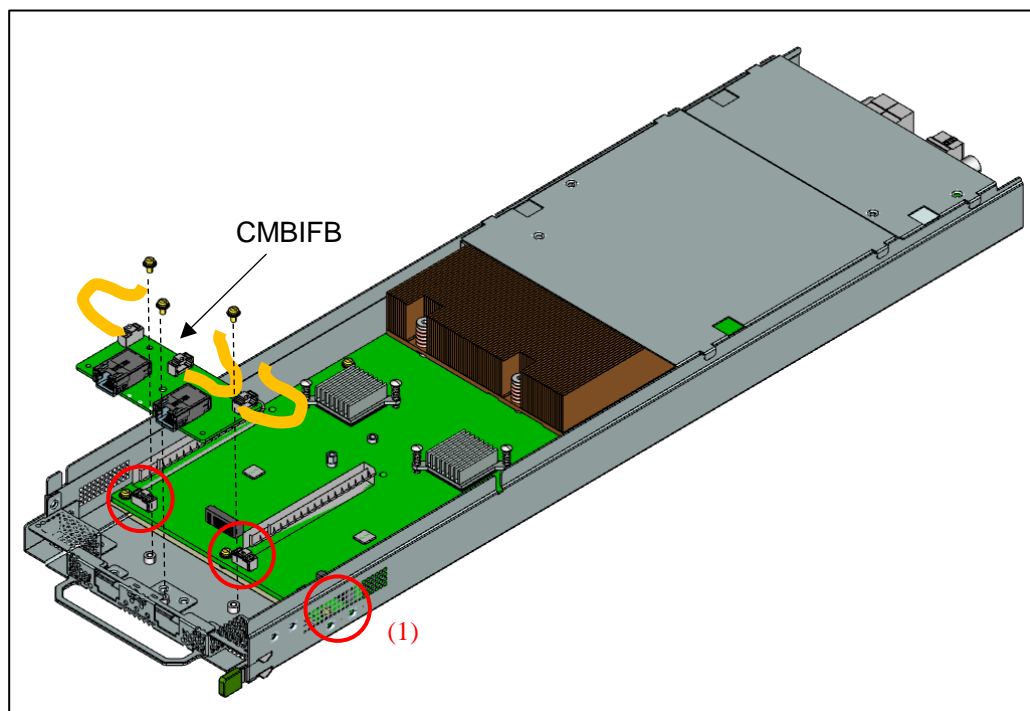


Figure 40 Removing the CMBIFB

- Disconnecting the three connectors.(1)
- Unscrew the three screws.
- Removing the CMBIFB.

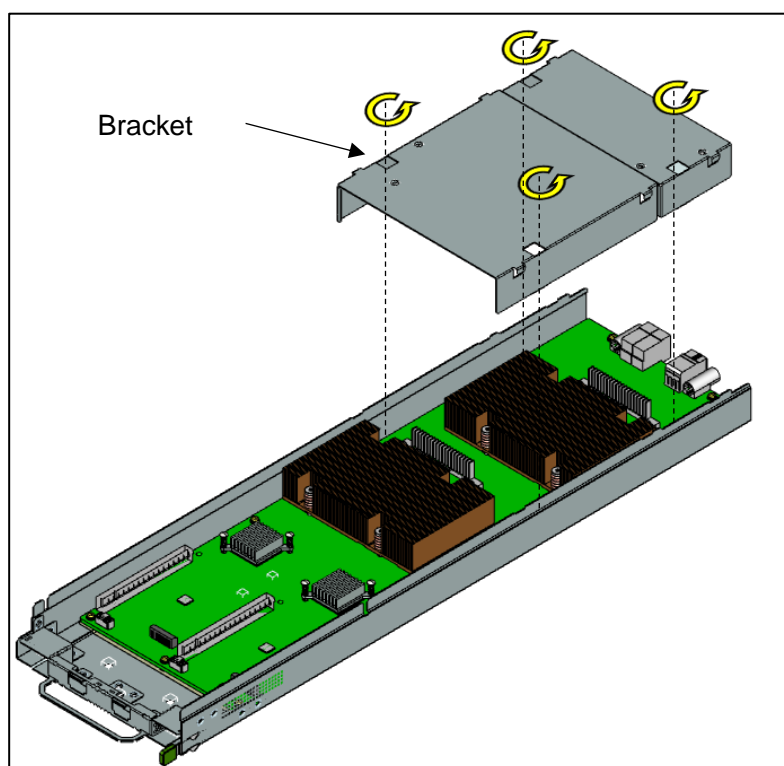


Figure 41 Removing the Bracket

- Unscrew the four screws.
- Removing the bracket.

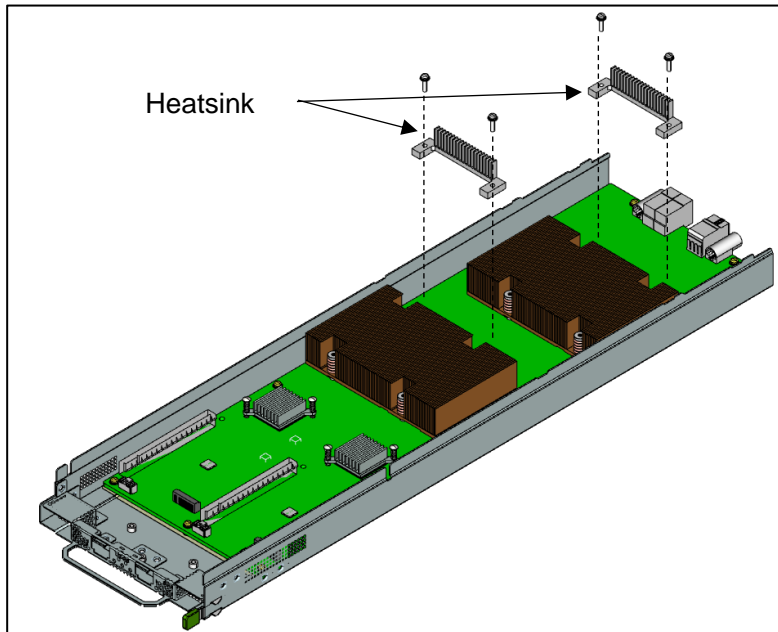


Figure 42 Removing the two Heatsinks

- Unscrew the four screws.
- Removing the two heatsinks.

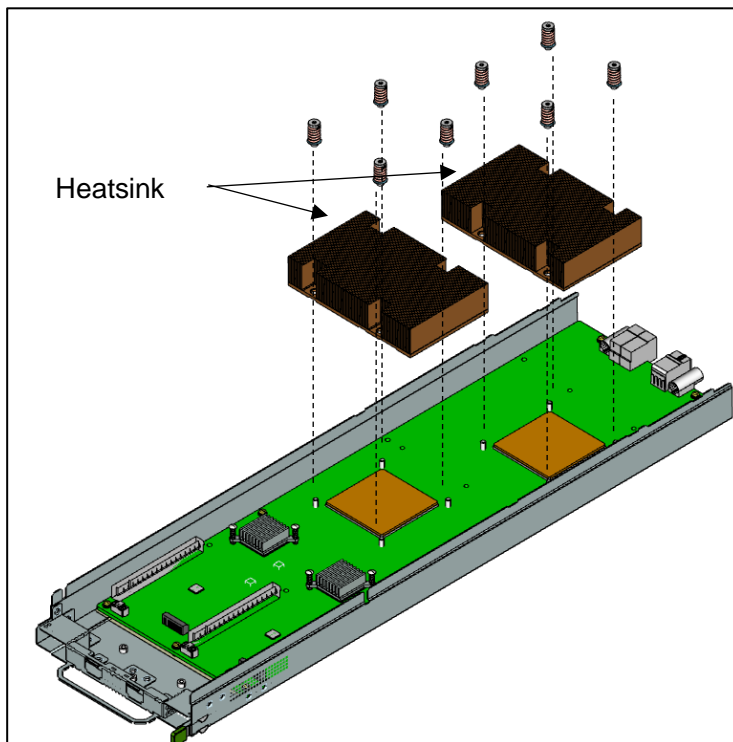


Figure 43 Removing the two Heatsinks

- Removing the eight screws.
- Removing the two heatsinks.

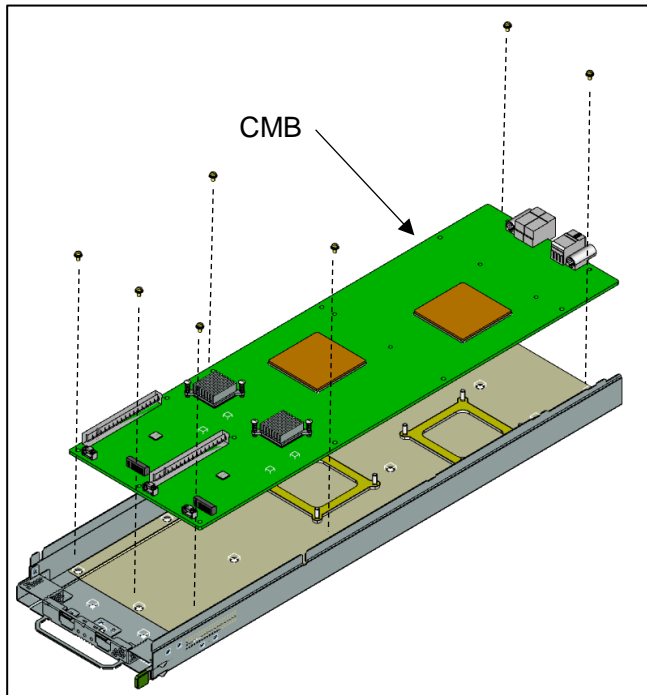


Figure 44 Removing the CMB

- Unscrew the seven screws.
- Removing the CMB.

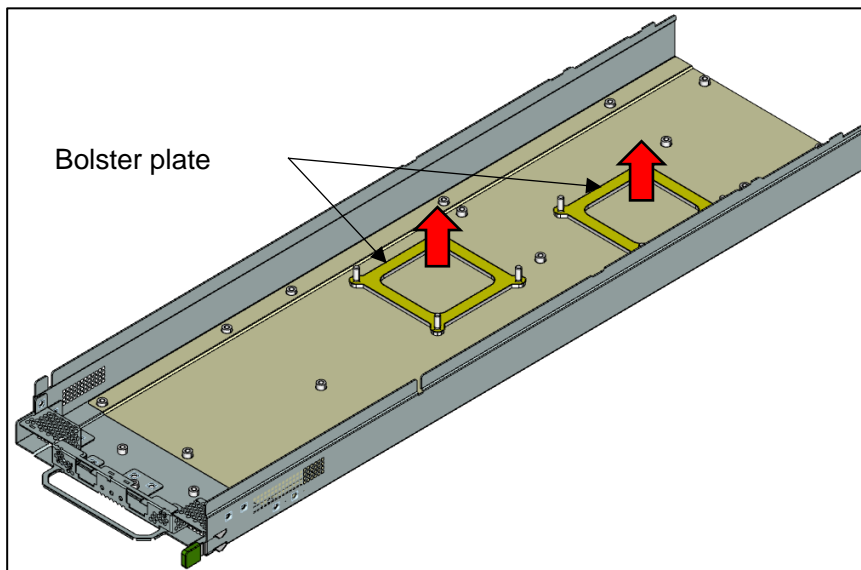


Figure 45 Removing the two Bolster plates

1.2.9 Removing the M.2 SSD

Tools: Phillips PH2 / (+) No. 2 screw driver

screw

M.2 SSD

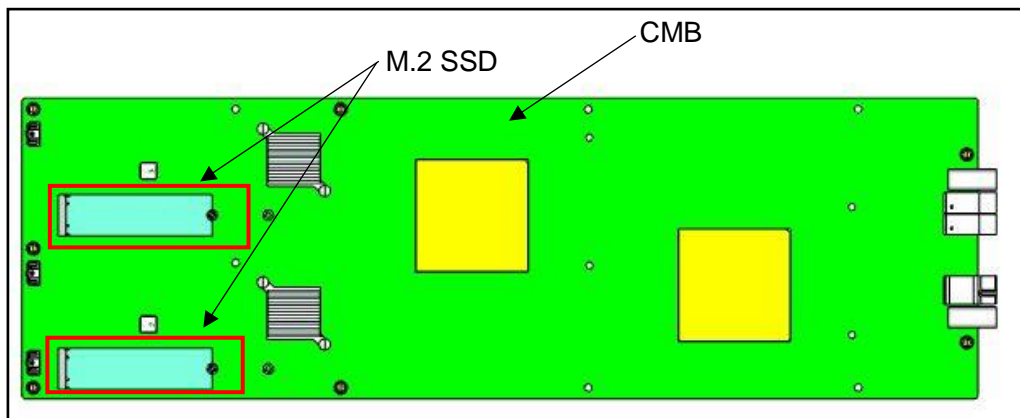


Figure 46 Position of M.2 SSD on the CMB

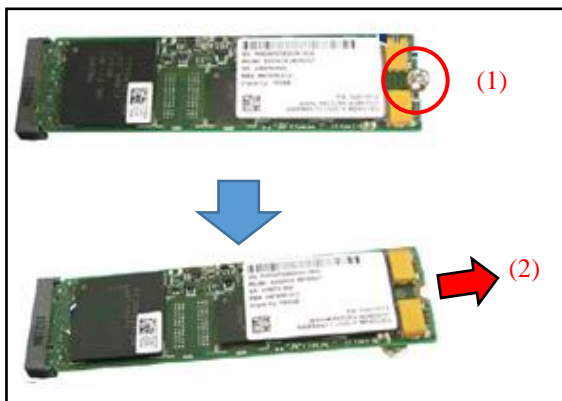


Figure 47 Position of M.2 SSD on the CMB

- Unscrew a screw.(1)
- Removing the M.2 SSD.(2)

1.2.10 Removing the PCI card

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

Metal

screw

Printed circuit board

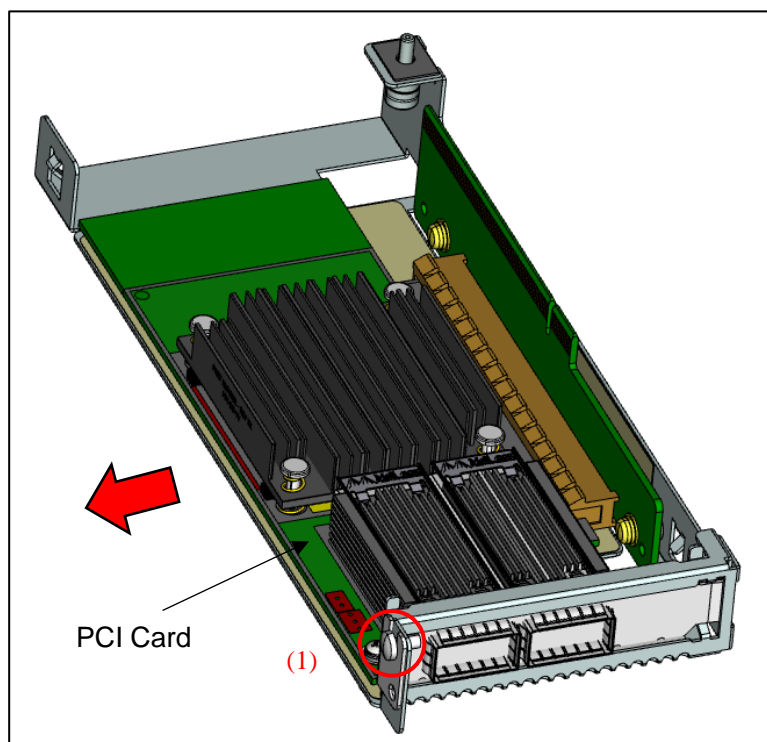


Figure 48 Removing the PCI Card

- Unscrew a screw.(1)
- Removing the PCI Card

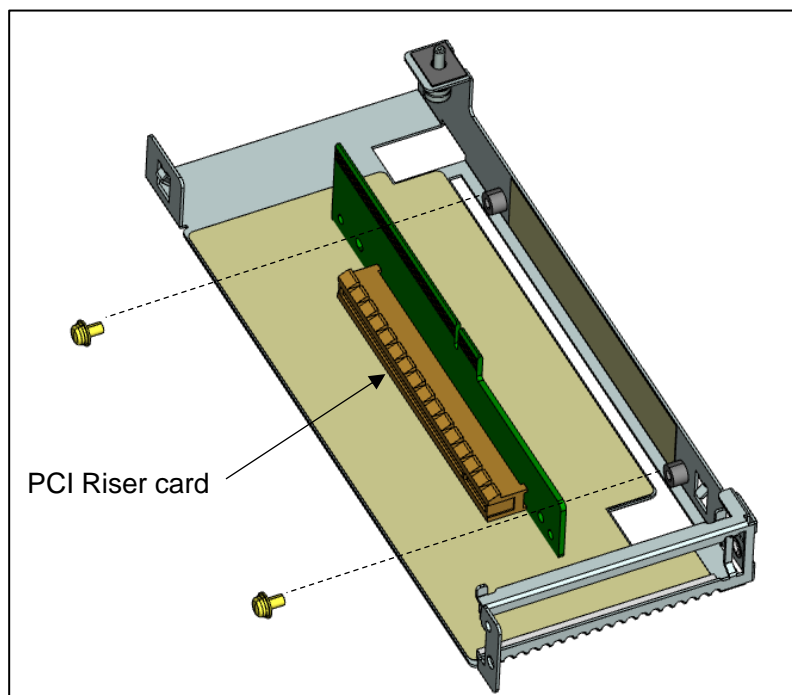


Figure 49 Removing the PCI Riser card

- Unscrew the two screws.
- Removing the PCI Riser card.