Information for Lot 9 of ErP (Ecodesign)

This addendum addresses European Union (EU) Ecodesign requirements for servers and storage products. All data and ratings within this addendum are in reference only to the Supermicro product(s) in the manual. The below information conforms to requirements laid down in Annex II of the Commission Regulation 2019/424.

3(1)(a):   See section 1.1 of the manual for the product type.

3(1)(b):   See the title page and preface of the system manual for the trademark and manufacturer's address.

3(1)(c):   See the title page of the system manual for product model number(s).

3(1)(d):   See the serial number on the physical system to determine the year of manufacture.

3(1)(e-j): **PSU Efficiency and Power Factor Value (Table) (From 80 Plus report)**

PSU Model #: PWS-706P-1R Watts: 750W	PSU Efficiency				Power Factor
% of Rated Load	**10%**	**20%**	**50%**	**100%**	**50%**
Single Output (AC-DC)	88.83%	94.05%	94.64%	91.77%	0.99

System (EUT) Efficiency in Idle State Power (Table)

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-End Performance Configuration	161.3	223.02
Typical Configuration	137.1	193.00
Low-End Performance Configuration	128.9	144.46

System (EUT) Efficiency in Active State Power (Table)

Representative Configurations	Active State Efficiency Score (Eff$_{server}$)	Minimum Active State Efficiency for 2-Socket Server
High-End Performance Configuration	22.8	9.5
Typical Configuration	24.5	
Low-End Performance Configuration	13.4	

3(1)(k):   The operating condition class is **A2**.

Operating Condition Class	Dry Bulb Temp °C		Humidity Range (Non-Condensing)		Max Dew Point (°C)	Max Rate of Change (°C/hr.)
	Allowable Range	Recommended Range	Allowable Range Dew Point (DP) Relative Humidity (RH)	Recommend Range		
A1	15-32	18-27	– 12 °C DP and 8 % RH to 17 °C DP and 80 % RH	-9°C DP to 15°C and 60% RH	21	5/20
A2	10-35	18-27	– 12 °C DP and 8 % RH to 21 °C DP and 80 % RH	Same as A1	21	5/20
A3	5-40	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 85 % RH	Same as A1	24	5/20
A4	5-45	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 90 % RH	Same as A1	24	5/20

3(1)(l):   The idle state power at the higher boundary temperature of the operating conditions class: 190.34W.

3(1)(m):   The active state efficiency and performance: 22.8.

3(1)(n):   There are two methods by which a user can securely delete data from this system. The user performing secure data deletion should be an IT professional.

The first is with a Unified Extensible Firmware Interface (UEFI) shell utility. This utility works on X10/X11/H11/H12/M11 motherboard series with onboard SATA/NVMe devices. Any user may access and download this utility through following link: https://www.supermicro.com/about/policies/disclaimer.cfm?url=/wftp/utility/Lot9_Secure_Data_Deletion_Utility/

Download the shell utility package and extract it to a USB flash drive, then plug the drive into the server for which secure data deletion is necessary. Then turn the system on. Navigate to the BIOS setup menu, then place the server system into the UEFI shell environment. Follow the instructions in the README file to invoke the utility and complete the deletion.

The second method is through the secure data deletion tool provided by the original manufacturer of the hard drive. This should be used in a scenario where the shell utility is not applicable. Each manufacturer should have the tool available on their website. If needed, please look on the hard drive label for the name of the manufacturer and model information.

3(1)(o):   List of recommended combinations of blade servers with chassis: N/A.

3(1)(p):   List of all current SKUs within this product family: SYS-1029P-WTR.

3(3)(a):   There is no use of cobalt in batteries in this product.

The indicative weight range of Neodymium in the HDD is 0.0 if manufactured by Western Digital, and is between 5-25 grams if manufactured by Seagate.

3(3)(b):   Please see the disassembly instructions on the next page.

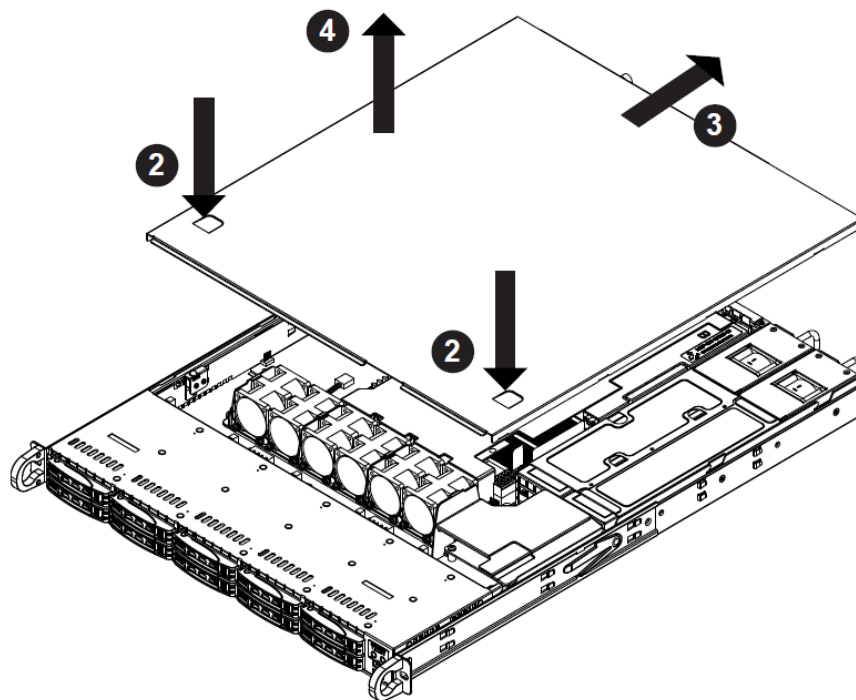# Illustrated System Disassembly Instructions

CAUTION: Always power off the system and unplug the power cord(s) first before disassembling the system!

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1. Chassis Cover

Type and number of fastenings: One (1) knob.

Tools required: None.

Procedure: Untighten the knob on the chassis rear window. Apply pressure to the corners of the chassis lid (#2) and push the top cover (#3). Lift the lid from the chassis (#4).
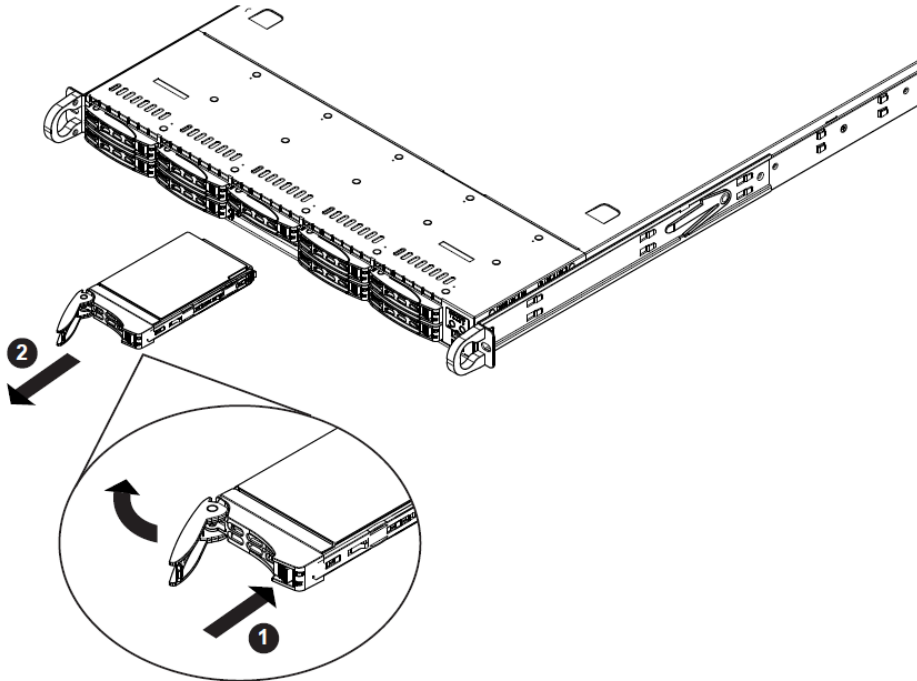
2. Data Storage Devices

Type and number of fastenings: One (1) latch and four (4) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Push the release button on the carrier (#1). Swing the handle open and pull the carrier out of its bay (#2). Unscrew the four Phillips screws to detach the drive from the carrier.
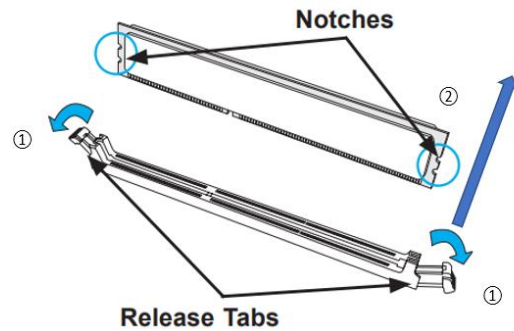
3. Memory

Type and number of fastenings: Two (2) latches per memory module.

Tools required: None.

Procedure: Press both release tabs at the ends of the memory module to unlock (#1). Once the module pops out, remove it from the memory slot.
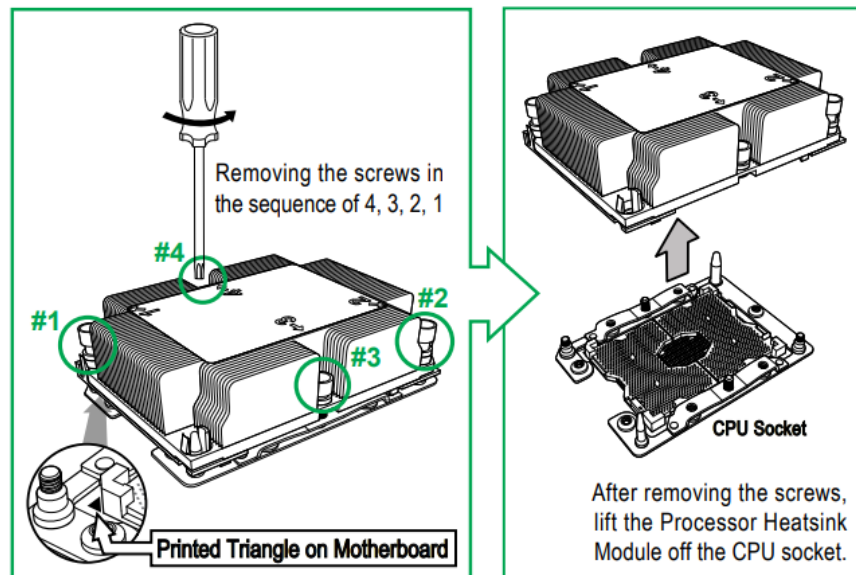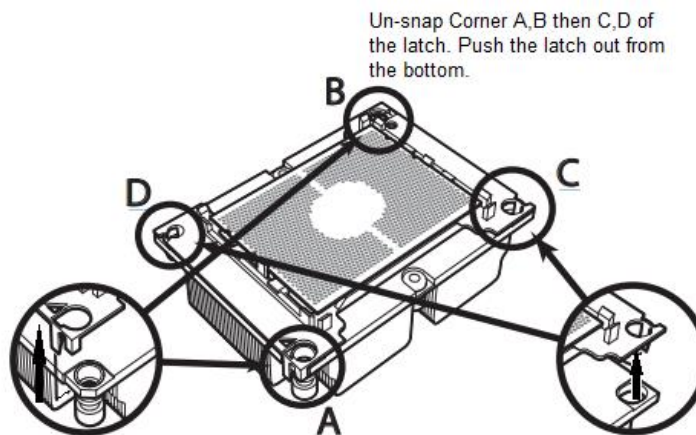
Notches

① ②

Release Tabs

4. Processor

Type and number of fastenings: Four (4) T30 Torx screws.

Tools required: Screwdriver with T30 Torx bit and slotted bit.

Procedure: Remove the screws in the sequence of 4, then 3, then 2, then 1, as marked in the illustration below. After removing the screws, lift the processor heatsink module off the processor socket. Unsnap corners A and B, then C and D of the latch. Gently insert a flathead screw into the slot marked on the retention and pry it off to detach it from the heatsink. Remove the processor from the retention.
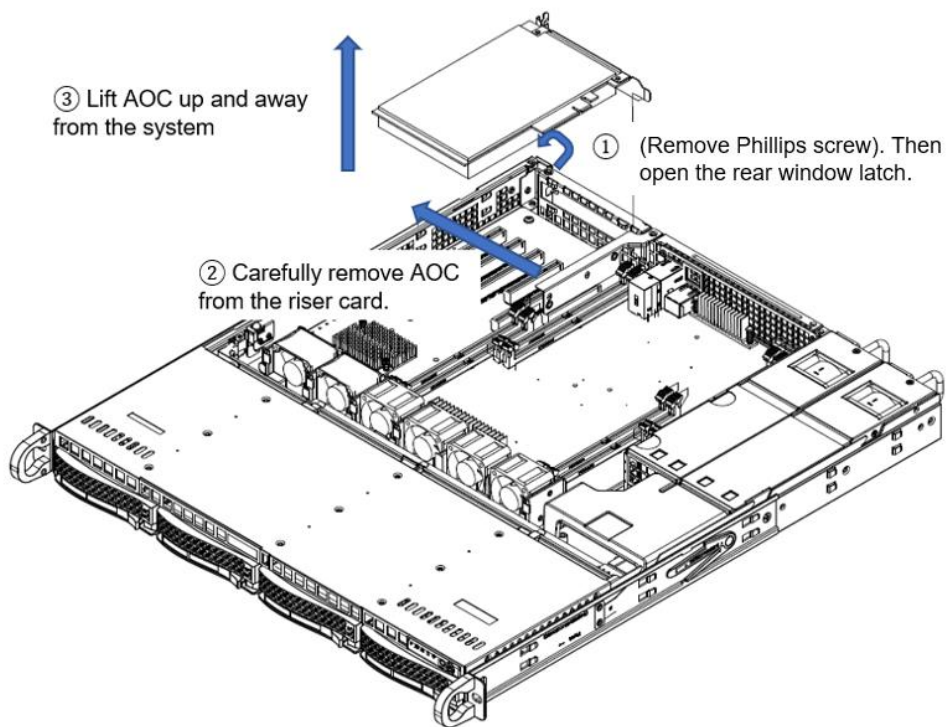

Removing the screws in the sequence of 4, 3, 2, 1

#4 #2 #1 #3

Printed Triangle on Motherboard

CPU Socket

After removing the screws, lift the Processor Heatsink Module off the CPU socket.

Un-snap Corner A,B then C,D of the latch. Push the latch out from the bottom.

B

D

C

A

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5. Expansion Card

Type and number of fastenings: One (1) Phillips screw.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the Phillips screw and open the rear window latch (#1). Carefully slide the card away from the riser card slot (#2). Finally, lift it up and away from the system (#3).
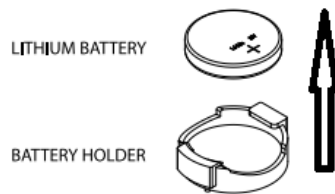
③ Lift AOC up and away from the system

① (Remove Phillips screw). Then open the rear window latch.

② Carefully remove AOC from the riser card.

6. Batteries

Type and number of fastenings: One (1) latch.

Tools required: None.

Procedure: Push aside the small clamp that covers the edge of the battery. When the battery is released, lift it out of the holder.
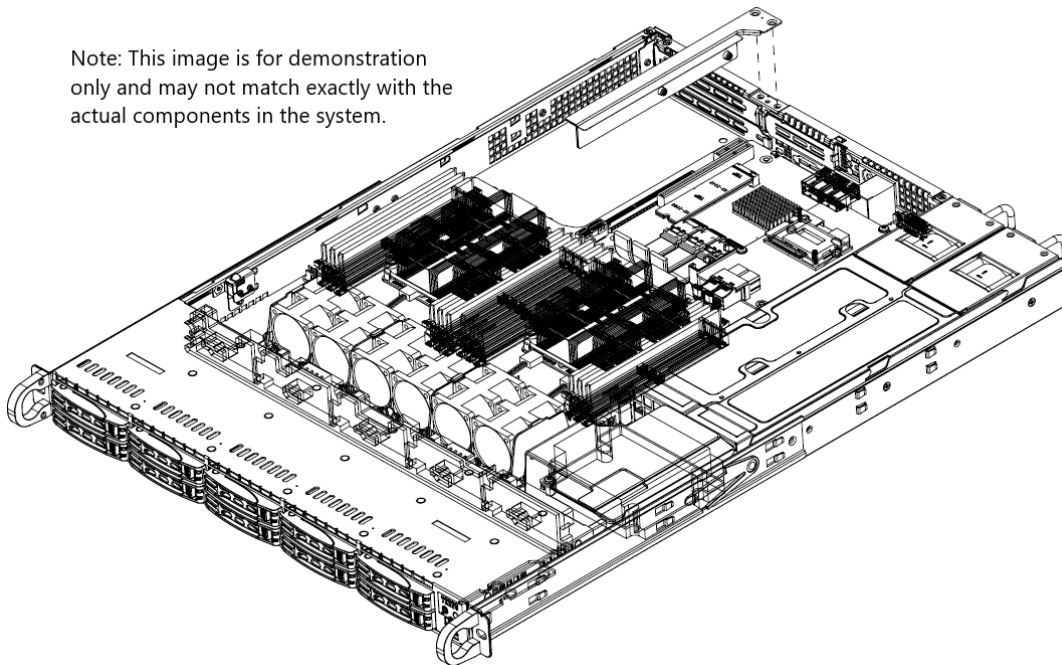

7. Riser Card

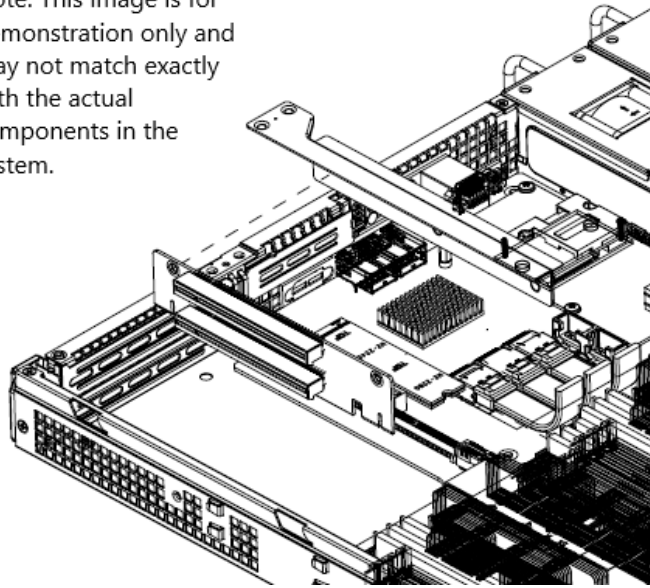*Type and number of fastenings:* Six (6) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the Phillips screws and pull out the riser bracket from the chassis. Remove the Phillips screws from both left-hand and right-hand riser cards to detach the riser cards from the bracket.

Note: This image is for demonstration only and may not match exactly with the actual components in the system.

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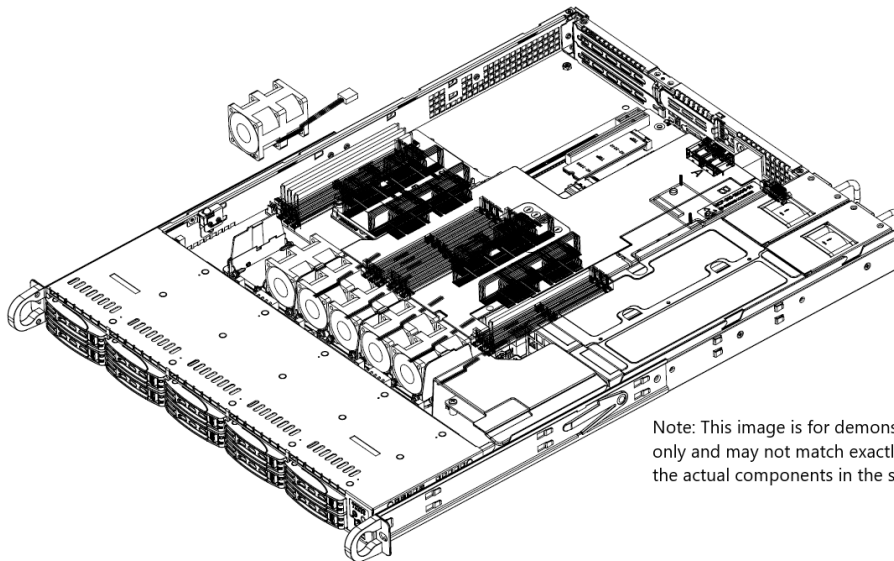
8. Fans

Type and number of fastenings: One (1) fan header per fan.

Tools required: None.

Procedure: Disconnect the fan wiring from the fan header on the motherboard. Pull out the fan from fan tray.
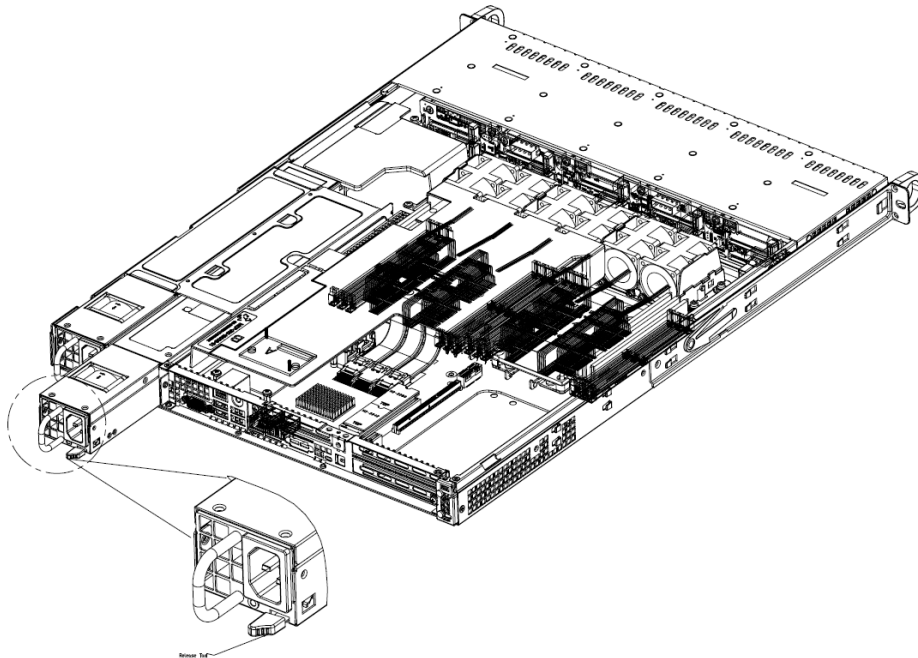

Note: This image is for demonstration only and may not match exactly with the actual components in the system.

9. Power Supply

Type and number of fastenings: One (1) latch per power supply module.

Tools required: None.

Procedure: Unplug the power cord from the power supply. Push the release tab on the back of the power supply module to the side and pull the module straight out.
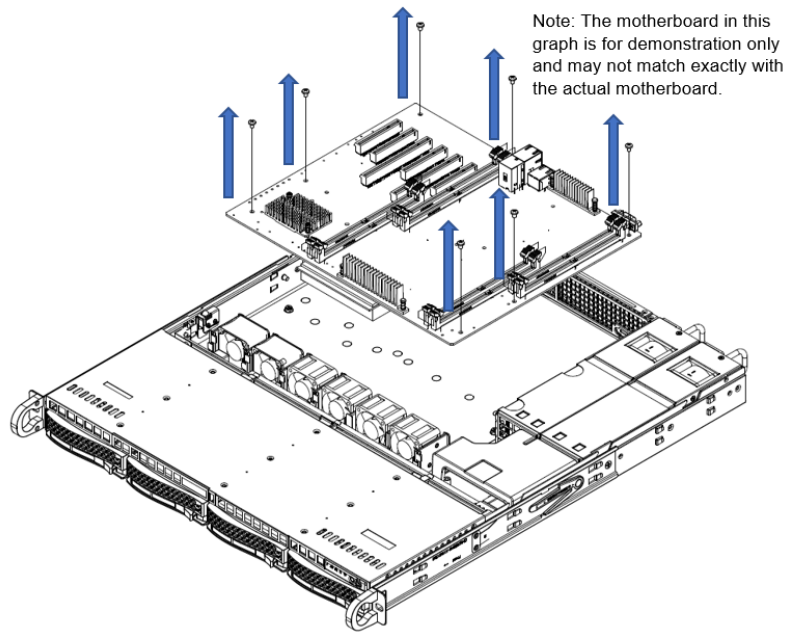

10. Motherboard

Type and number of fastenings: Seven (7) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all seven Phillips screws. Gently lift the motherboard from its base.
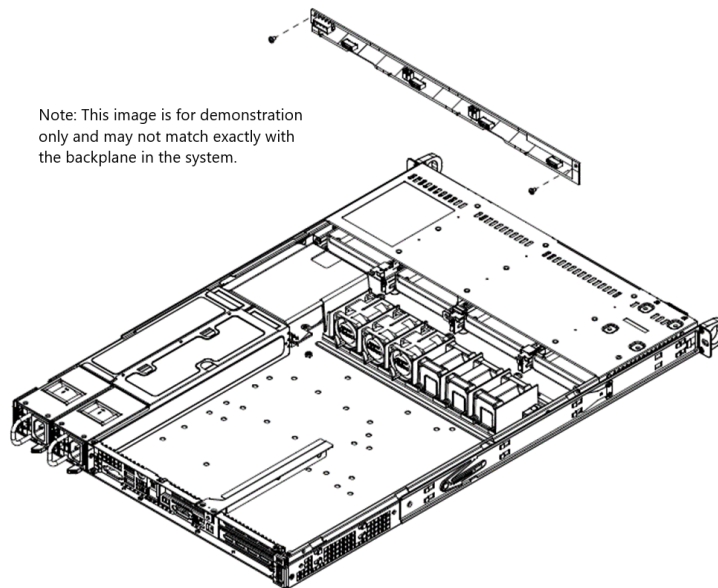
Note: The motherboard in this graph is for demonstration only and may not match exactly with the actual motherboard.

11. Backplane

Type and number of fastenings to be unlocked: Five (5) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Disconnect all cables. Remove the five Phillips screws to release and remove the backplane.

Note: This image is for demonstration only and may not match exactly with the backplane in the system.

12. Power Distribution Board

Type and number of fastenings: Four (4) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the power supplies and disconnect all power cables going to the motherboard and backplane. Remove the four Phillips screws to detach the power distribution board.