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 system 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-1K62A-1R Watts: 1600W	**PSU Efficiency**				**Power Factor**
% of Rated Load	**10 %**	**20 %**	**50 %**	**100 %**	**50 %**
Single Output (AC-DC)	91.88%	94.24%	96.33%	93.93%	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	346.4	720.76
Typical Configuration	284.5	444.69
Low-End Performance Configuration	279.3	308.40

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

Representative Configurations	**Active State Efficiency Score (Effserver)**	**Minimum Active State Efficiency for 2-Socket Server**
High-End Performance Configuration	**45.9**	**9.5**
Typical Configuration	**46.6**	
Low-End Performance Configuration	**21.2**	

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

	Dry bulb temp ˚C		Humidity range, non-condensing			
Operating condition class	Allowable range	Recom-mended range	Allowable range	Recommended range	Max dew point (˚C)	Maximum rate of change (˚C/hr)
A1	15- 32	18-27	- 12 ˚C Dew Point (DP) and 8 % relative humidity (RH) to 17 ˚C DP and 80 % RH	- 9 ˚C DP to 15 ˚C DP and 60 % RH	17	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 is 408.8 W.

3(1)(m): The active state efficiency and performance is 45.9.

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: N/A.

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

Please note: All the illustrations in the below disassembly instructions are for demonstration only. Components shown here may not match exactly with the components in your system.

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

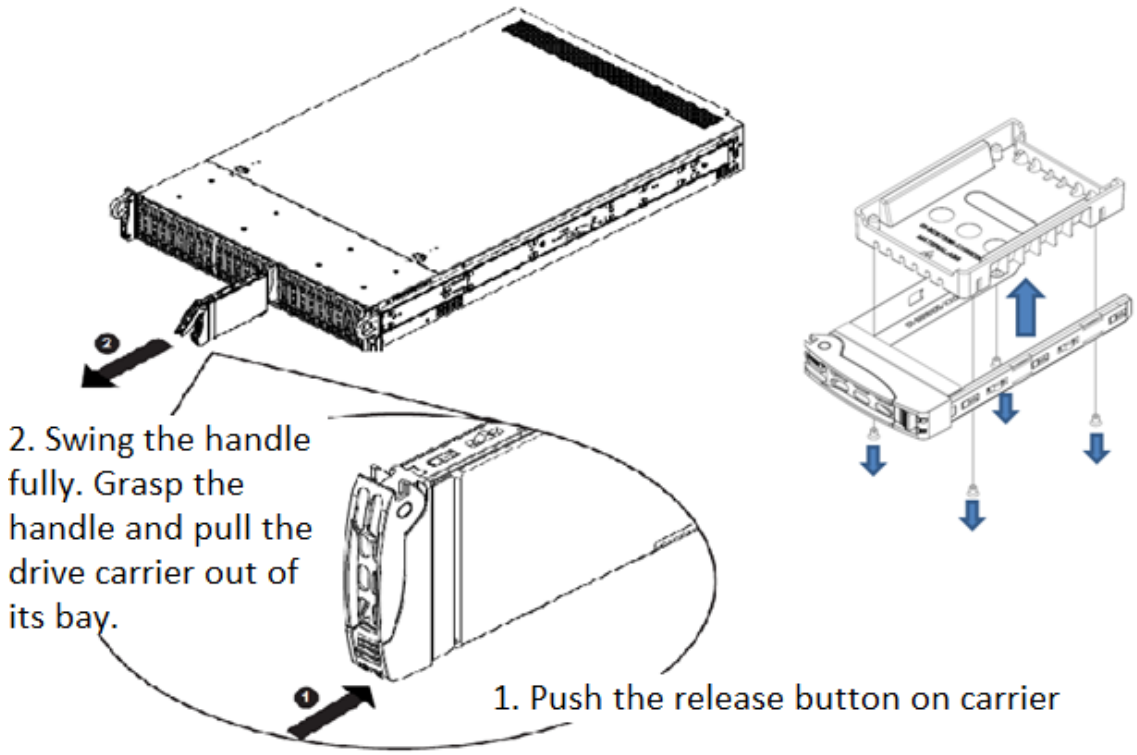
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1. Data Storage Devices

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

Tools required: None.

Procedure: Push the release button on the carrier. Swing the handle fully. Grasp the handle and pull the drive carrier out of its bay.



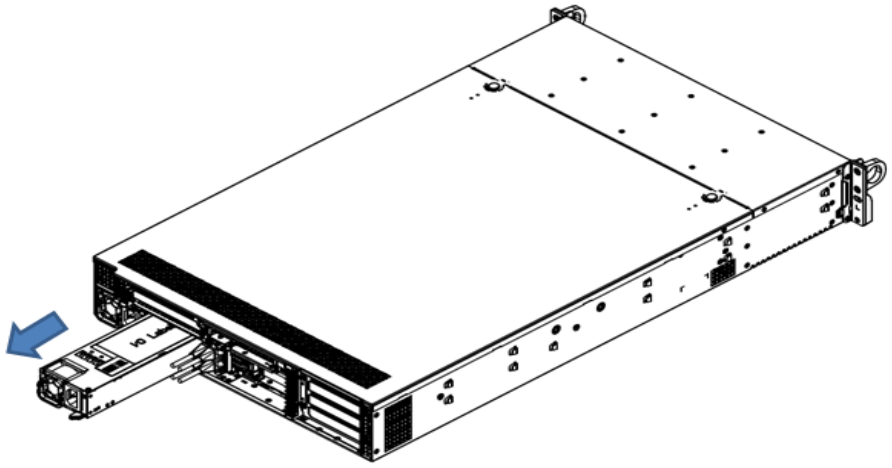
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2. Power Supply Module

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

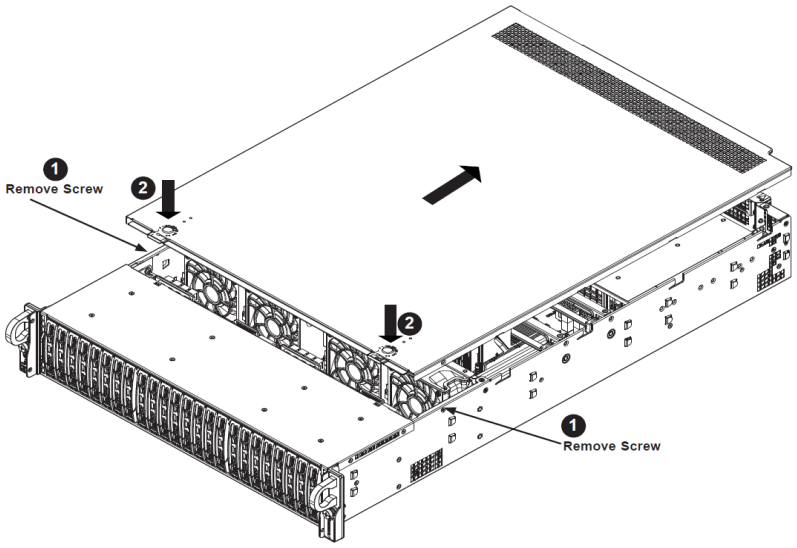


3. Chassis Cover

Type and number of fastenings: Two (2) buttons.

Tools required: None.

Procedure: Hold down the two buttons simultaneously down while pushing away the top cover.



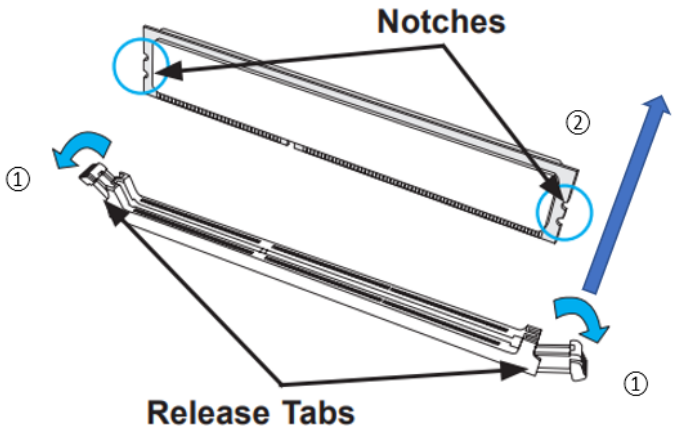
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4. Memory

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

Tools required: None.

Procedure: Press both release tabs on the ends of the memory module to unlock it. Once the module is loosened, remove it from the memory slot.



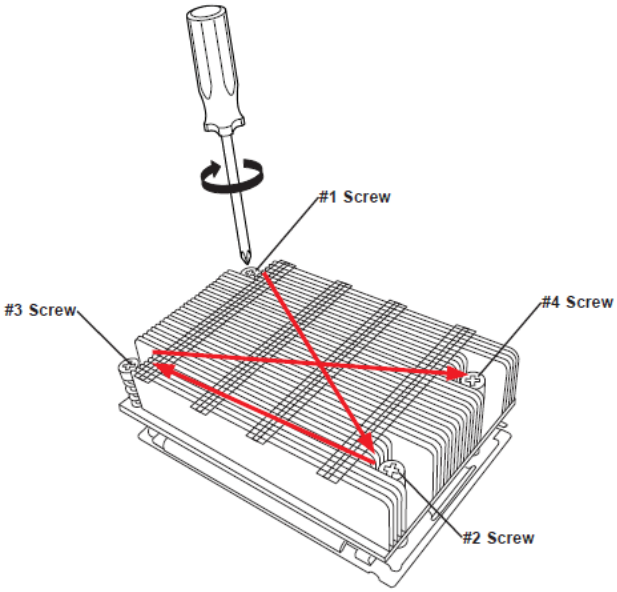
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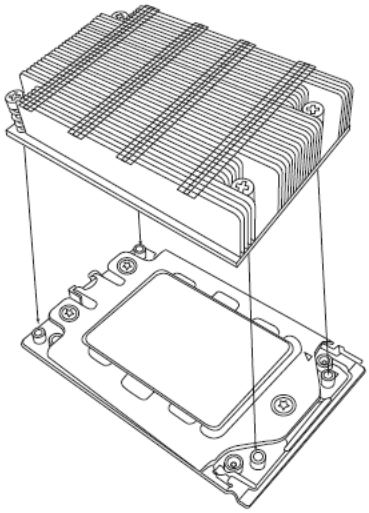
5. Processor

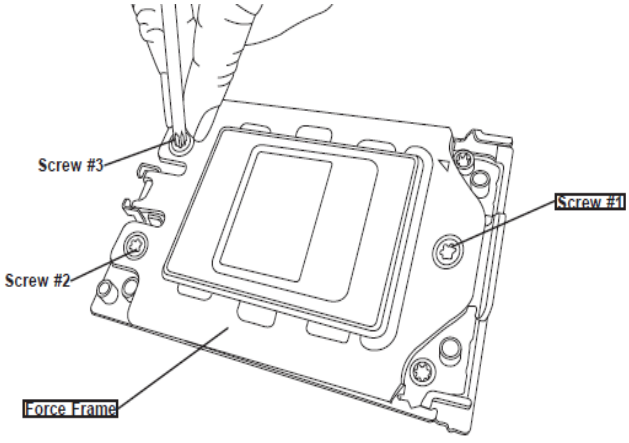
Type and number of fastenings: Seven (7) T20 Torx screws.

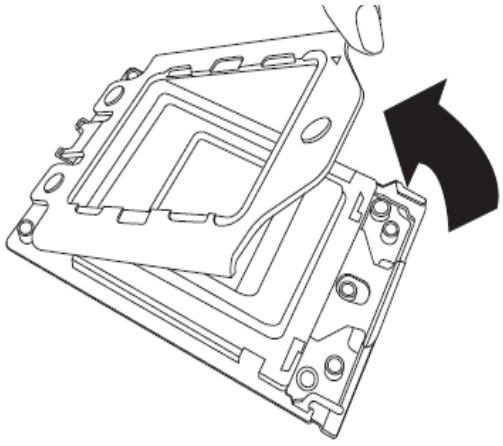
Tools required: Screwdriver with T20 Torx bit.

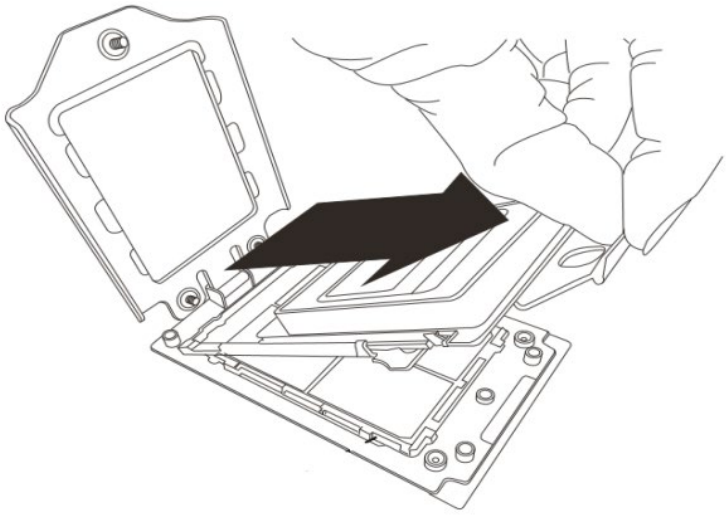
Procedure: Remove the screws in the sequence of 1, 2, 3, 4. After removing the screws, lift the heatsink module off the socket. Then loosen the socket screws in the sequence of 3, 2, 1. After loosening, remove the processor from the socket.











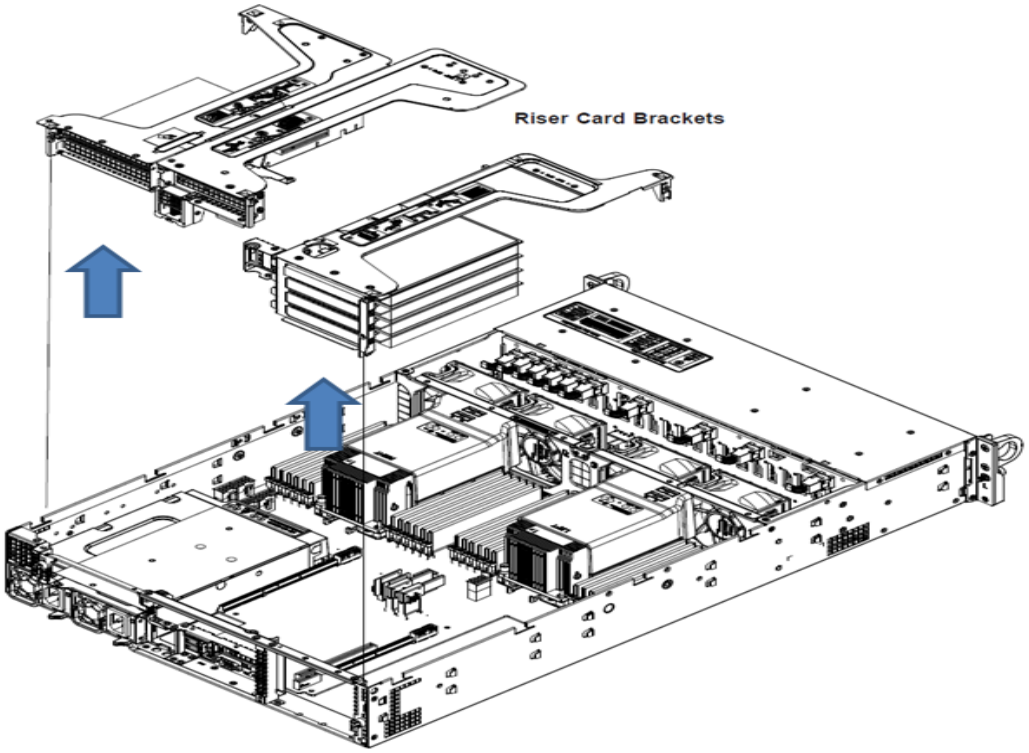
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6. Riser Card

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the screw and lift the riser card up from the motherboard expansion slot.

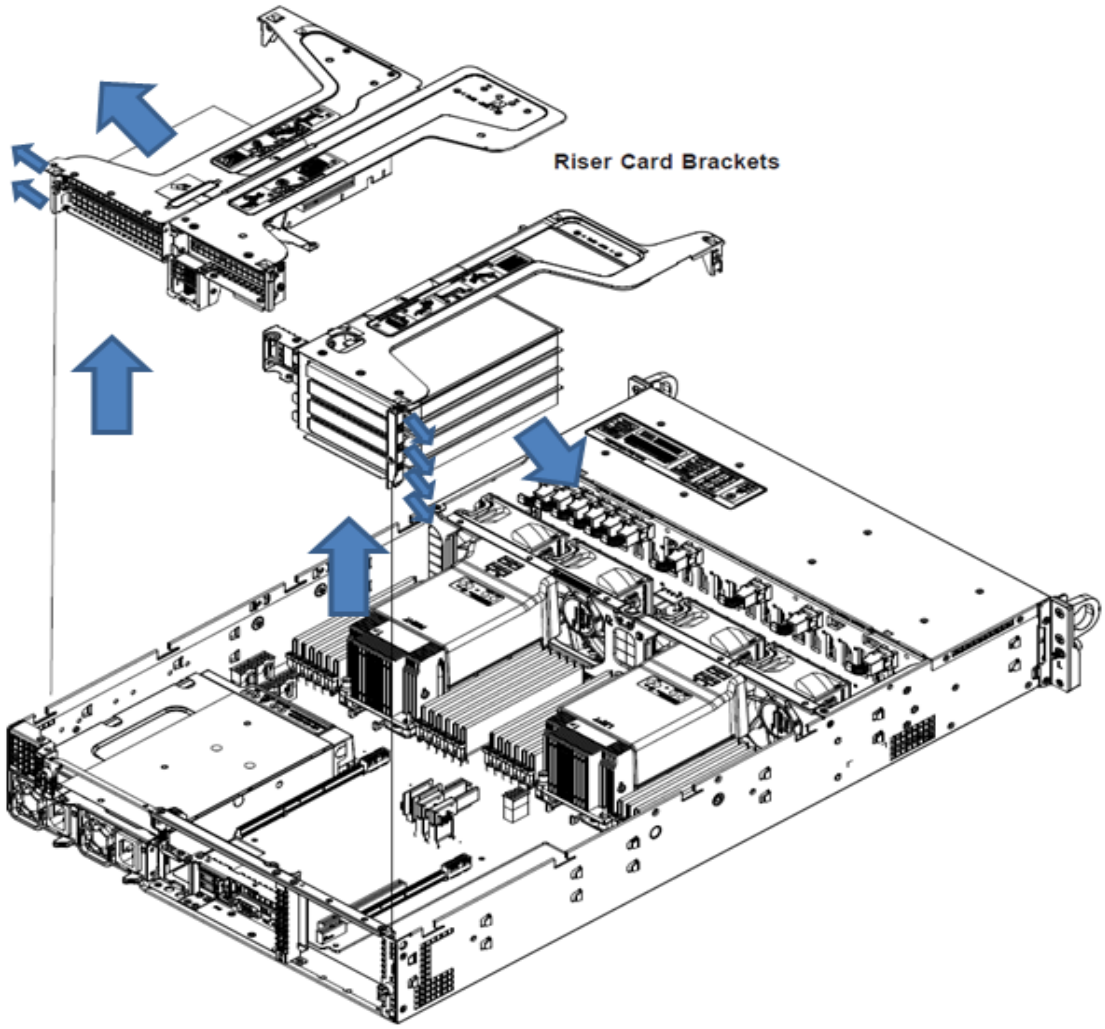


7. Expansion Card/Graphics Card

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the Philips screw on the expansion bracket in order to remove the expansion card.

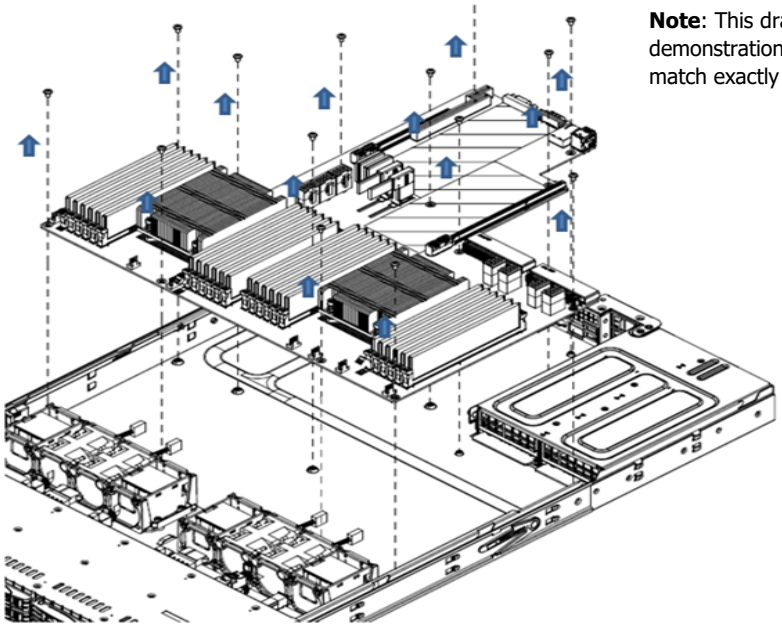


8. Motherboard

Type and number of fastenings: Eleven (11) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all 11 Phillips screws. Lift the motherboard from its base.



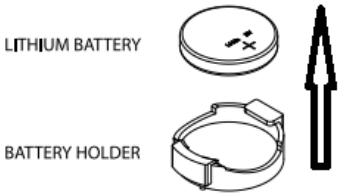
Note: This drawing is for demonstration only and may not match exactly with your system.

9. 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.



10. Fans

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

Tools required: None.

Procedure: Press the *FAN* switch to disconnect the fan from the fan house.

