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-1k22A-1R **Watts: 1200**	**PSU Efficiency**				**Power Factor**
% of Rated Load	**10 %**	**20 %**	**50 %**	**100 %**	**50 %**
Single Output (AC-DC)	90.70 %	95.20 %	96.01 %	93.74 %	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	417.6	832.14
Typical Configuration	N/A	N/A
Low-End Performance Configuration	195.3	304.70

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	28.6	9.5
Typical Configuration	N/A	
Low-End Performance Configuration	29.1	

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

	Dry bulb temp °C		Humidity range, non-condensing			
Operating conditi	Allowable range	Recom-mend	Allowable range	Recommended range	Max dew point (° C)	Maximum rate of change
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 %	17	5/20
A2	10-35	18-27	– 12 °C DP and 8 % RH to 21 °C DP and 80 %	Same as A1	21	5/20
A3	5-40	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 85 %	Same as A1	24	5/20
A4	5-45	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 90 %	Same as A1	24	5/20

3(1)(l): The idle state power at the higher boundary temperature of the operating conditions class is 417.6 W.

3(1)(m): The active state efficiency and performance is 28.6.

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/X12/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-620U-TNR.

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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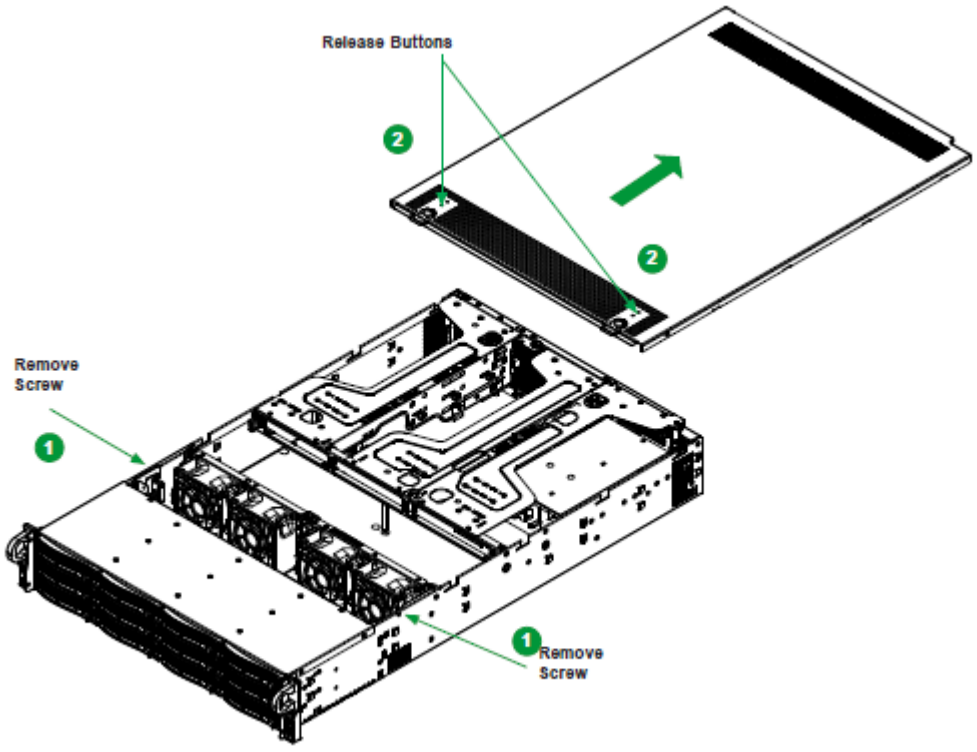
1. Chassis Cover

Type and number of fastenings: Two (2) buttons, and two (2) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the two Phillips screws on the side of chassis. Press the two release buttons and slide the cover toward the rear. Lift the top cover up.



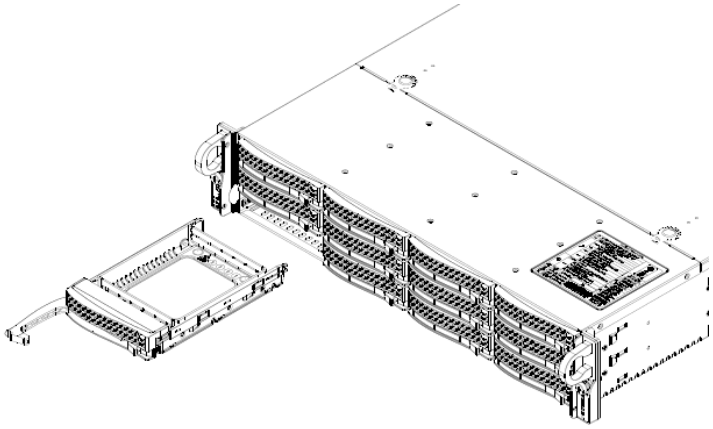
Removing the Chassis Cover

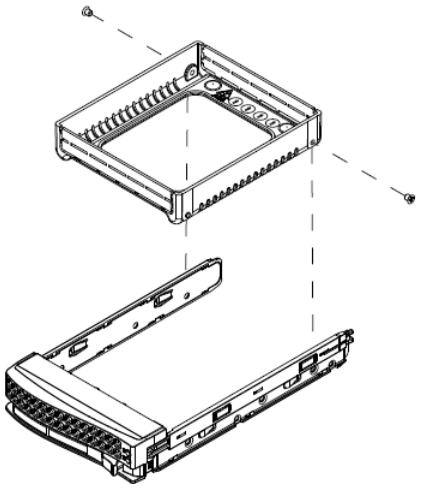
2. Data Storage Devices

Type and number of fastenings: One (1) latch for 3.5" drives, and one (1) latch and four (4) Phillips screws for 2.5" drives.

Tools required: Screwdriver with PH2 bit.

Procedure: Press the release button on the drive carrier to extend the drive carrier handle. Swing the handle open and pull the carrier out of its bay.
For 3.5" drives, push the drive at the back of the tray opening to detach the drive.
For 2.5" drives, unscrew the four Phillips screws to detach the drive.



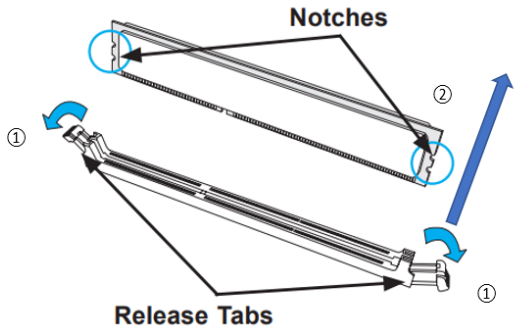


3. Memory

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.



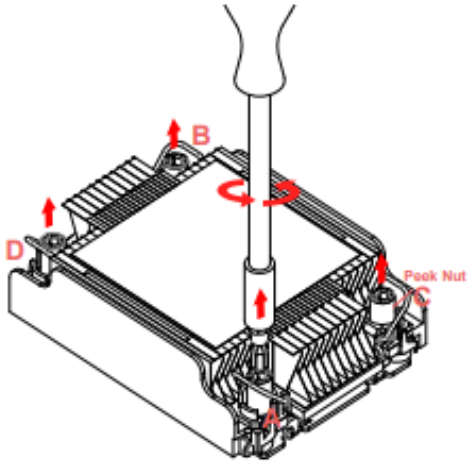
4. Processor

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

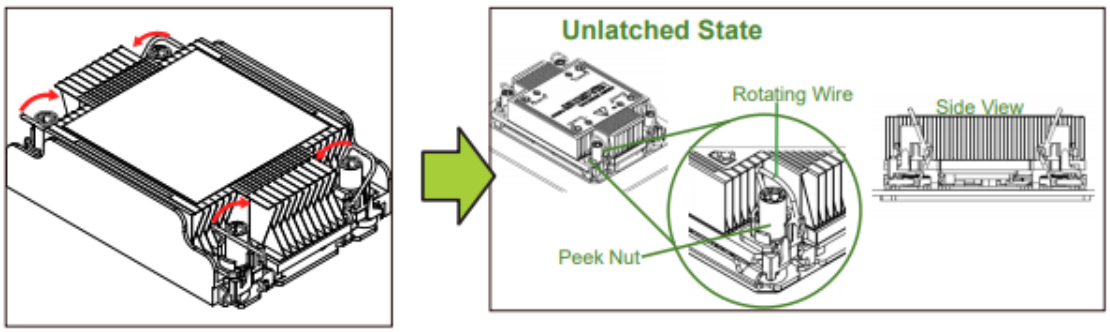
Tools required: Screwdriver with T30 Torx bit and slotted bit.

Procedure:

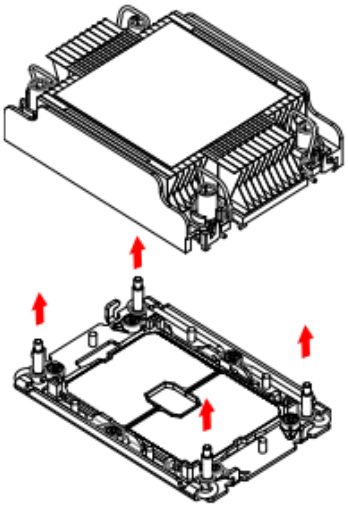
1. Use a T30-bit screwdriver to loosen the four peek nuts on the heatsink in the sequence of A, B, C, and D.



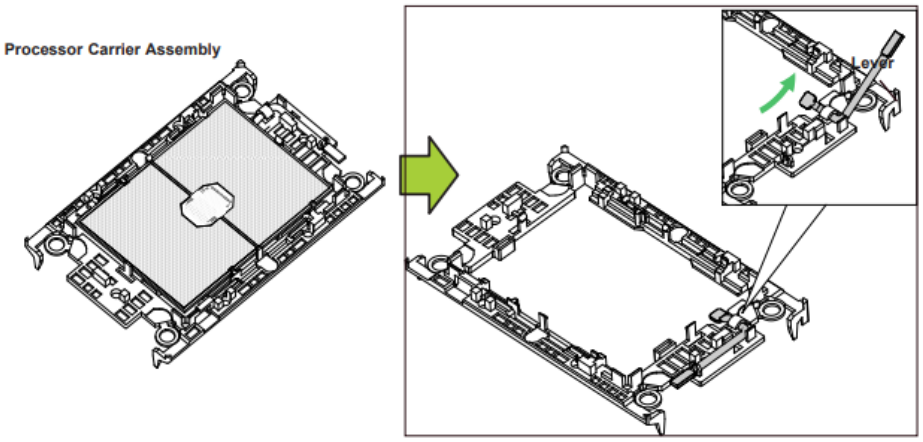
2. Press the four rotating wires inward to unlatch the PHM as shown below.

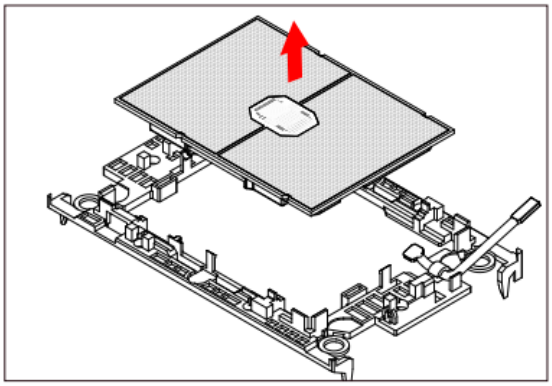


3. Gently lift the PHM upward to remove it from the CPU socket.



4. Unlock the lever from its locked position and push it upward to disengage the processor from the carrier as shown in the picture. Carefully remove the processor from the carrier. Handle the processor with care to avoid damage.



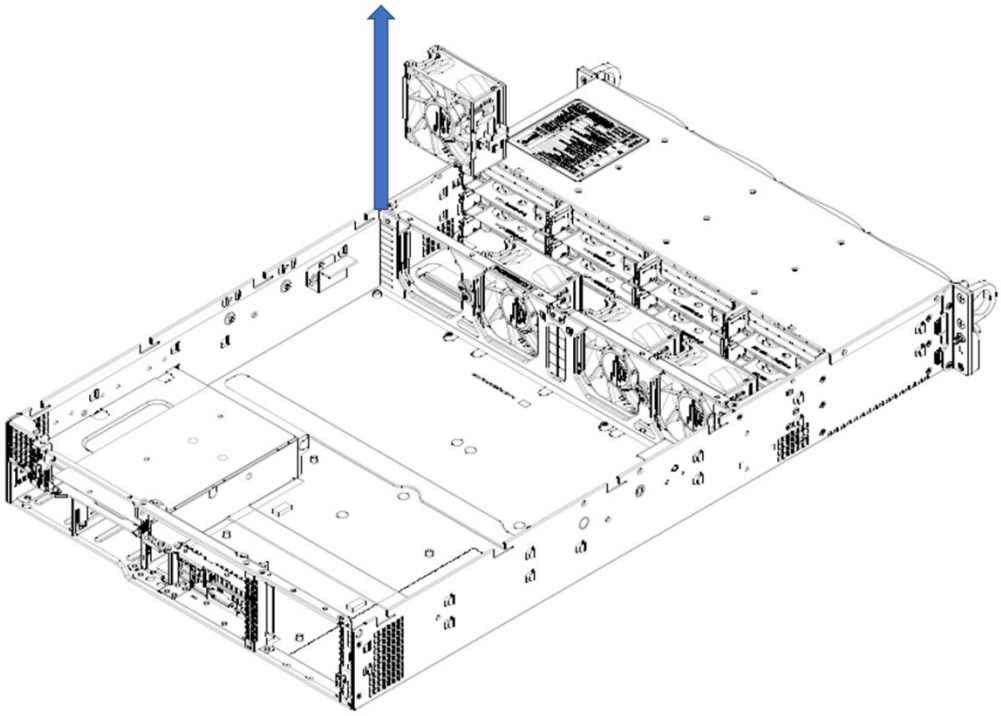


5. Fans

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. Then remove the fan from the fan tray.



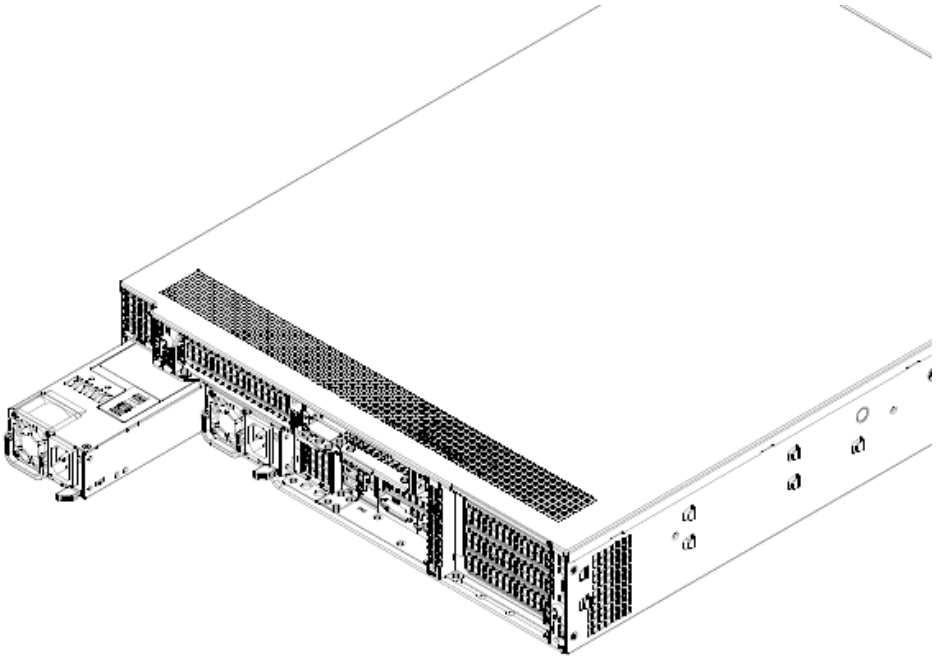
6. Power Supplies

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.

Replacing the Power Supply

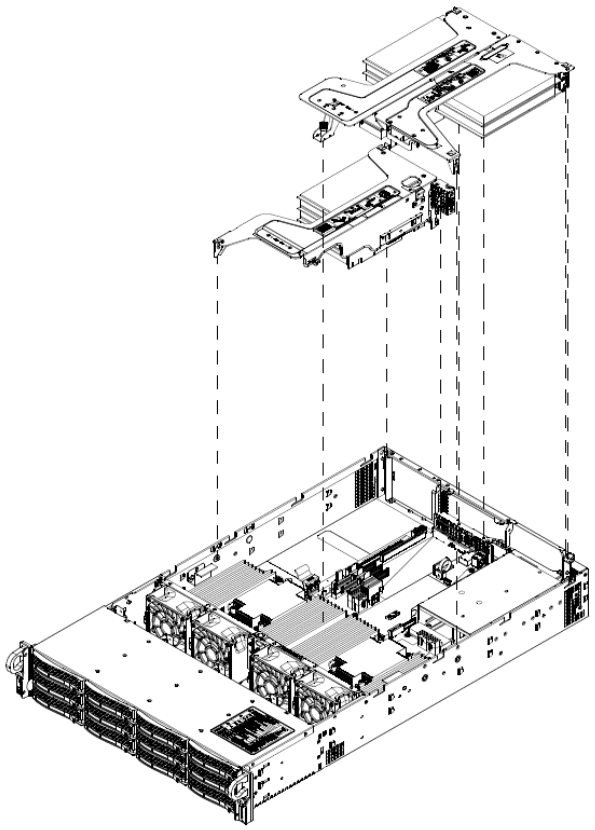


7. Riser Cards

Type and number of fastenings: Lever for the WIO-L riser; one (1) Phillips screw for the WIO-L riser/expansion card assembly; four (4) Phillips screws for the WIO-L riser attachment. One (1) thumbscrew for the Ultra riser assembly; four (4) Phillips screws for the Ultra riser attachment.

Tools required: Screwdriver with PH2 bit.

Procedure:
WIO-L Riser: Flip open the lever indicated with an arrow. Remove the Phillips screw that secures the assembly into the system. Pull the riser/expansion card assembly from the riser card slot, lifting it up and away from the system. Remove the screws from the WIO riser card and detach the riser card from the riser/expansion card assembly. Expansion cards must be removed before detaching riser cards.
WIO-R Riser: After the WIO-L riser is removed, remove the WIO-R riser from the riser slot. There is no attaching hardware.
Ultra Riser Card: Detach the assembly using the thumbscrew. Pull the Ultra riser/expansion card assembly out from the riser card slot. Remove the screws from the Ultra riser card and detach the riser card from the riser/expansion card assembly. Expansion cards must be removed before detaching riser cards.
(Please refer to Item 8, below, for details on removing the expansion card.)

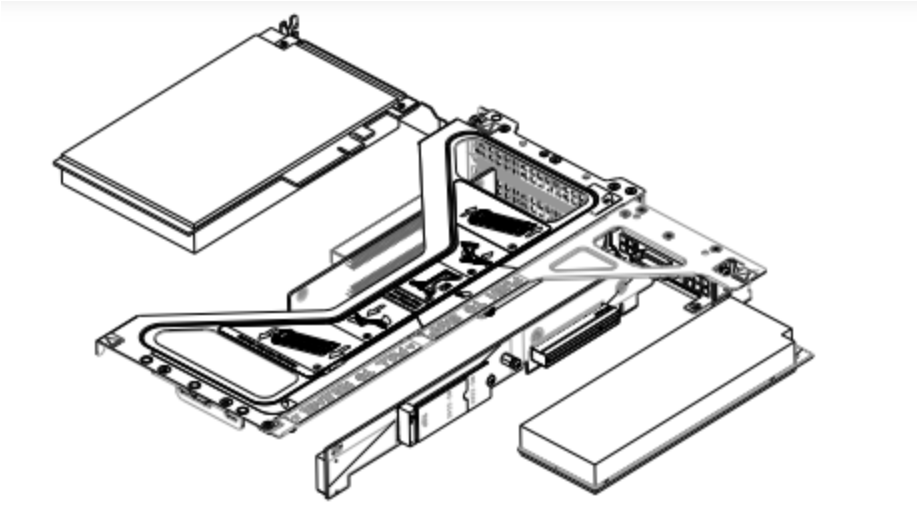


8. Expansion Card/Graphics Card

Type and number of fastenings: One (1) Phillips screw per expansion card installed.

Tools required: Screwdriver with PH2 bit.

Procedure: After the riser/expansion card assembly is removed from the system, as described in the above Item 7, remove the Phillips screw from the expansion card rear I/O panel (if installed) and pull the expansion card out from the card edge connector on the riser card.

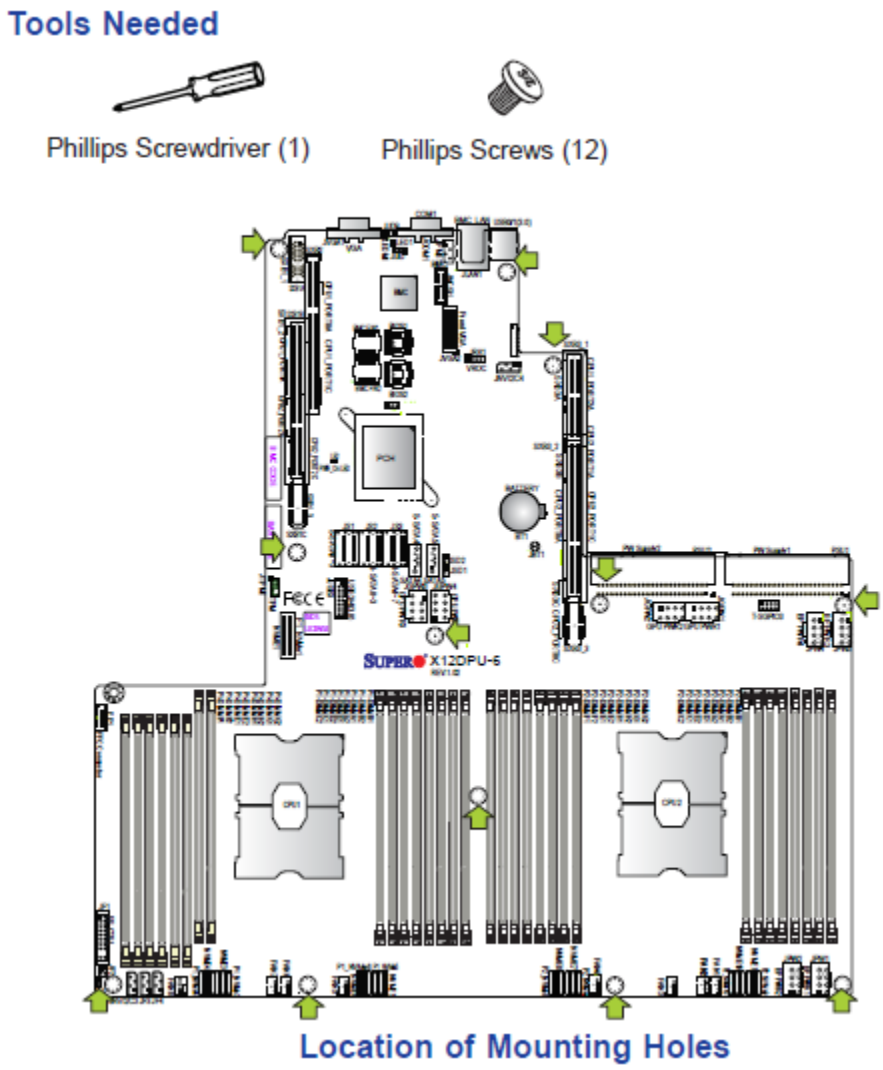


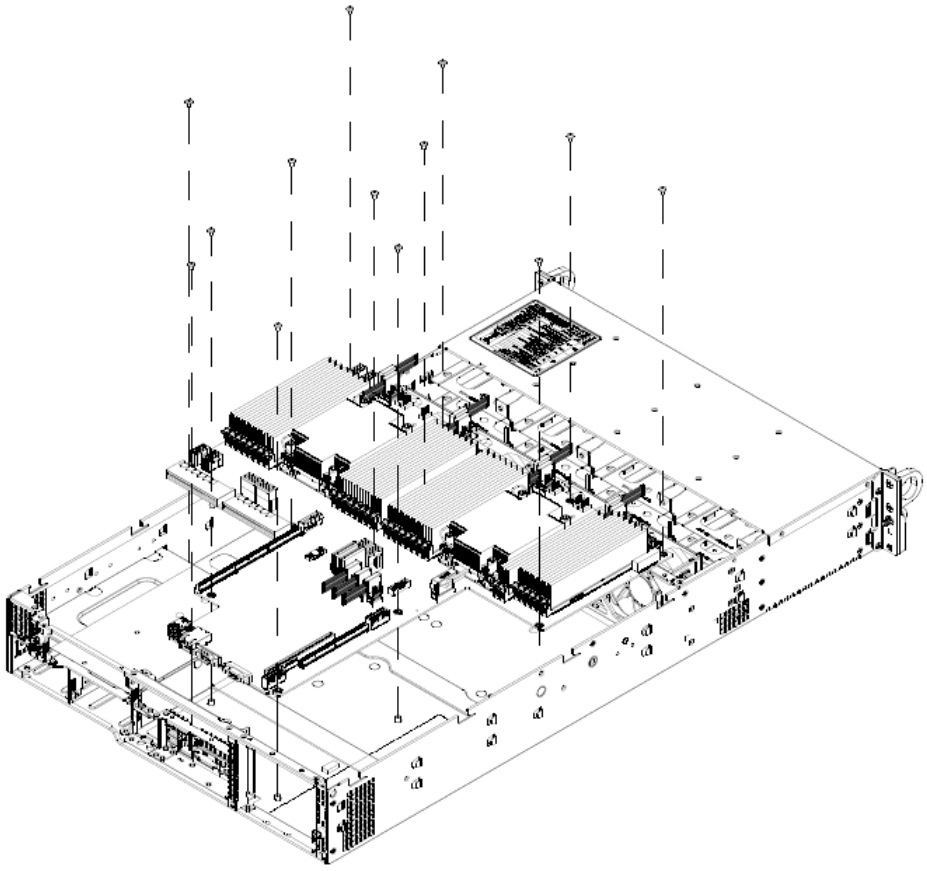
9. Motherboard

Type and number of fastenings: 12 Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all 12 Phillips screws from the locations shown below. Lift the motherboard from its base.





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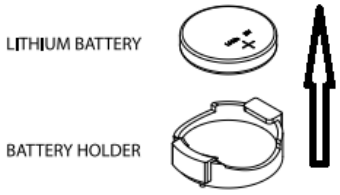
10. Batteries

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.



11. Backplane

Type and number of fastenings: Nine (9) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Disconnect all cables. Remove the three Phillips screws to release and remove the backplane assembly from the system. Then remove the six screws that secure the backplane. Detach the backplane from the assembly.