



Trident Series

Personal Computer

Trident B924

Service Guide

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Revision

V4.0, 2023/10

How to Use this Service Guide

This Service Guide is designed for MSI-authorized dealers or service centers. It provides in-depth illustration of disassembling/assembling the system. Since the topics in this guide may be related, it is recommended that you read it from cover to cover first. After that, you may go directly to any specific topic that most meets your immediate needs.

Important

All information is subject to change without prior notice. The system photos are provided for demonstration of system disassembly only. The internal view of your system may vary depending on the model you purchased.

Necessary Tools



Screwdriver



Pliers



Tweezers



Anti-Static Gloves

Safety Precautions

The following precautions should be observed while handling the system:

- Place the system on a flat and stable surface.
- Do not place the system in environments subject to mist, smoke, vibration, excessive dust, salty or greasy air, or other corrosive gases and fumes.
- Do not drop or jolt the system.
- Do not bump or knock the LCD screen as it is fragile and could break.
- Do not use another power adapter other than the one enclosed with the system.
- Disconnect the AC/DC adapter before performing any installation procedures on the system.
- Do not perform any maintenance with wet hands.
- Prevent foreign substances, such as water, other liquids or chemicals, from entering the system while performing installation procedures on the system.
- Use a grounded wrist strap before handling system components such as CPU, Memory, HDD, mini PCI-E card, etc.
- Place system components on a grounded antistatic pad or on the bed that came with the components whenever the components are separated from the system.
- If there are any difficulties installing hardware devices, please contact MSI for further information.

Other Notice

The peripheral devices contained herein may vary depending on your actual system configuration.

Third-party trademarks and names are the properties of their respective owners.

The information contained herein relevant to software and hardware are for reference only and in accordance with actual system configuration. All information is subject to change without notice.

Upgrade and Warranty

Please note that certain components preinstalled in the product users purchased may be upgradable or replaceable by user's request. To learn more about upgrade limitation, please refer to the specification in the User Guide. For any further information about the product users purchased, please contact the local dealer. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.

Acquisition of Replaceable Parts

Please be noticed that the acquisition of replaceable parts (or compatible ones) of the product users purchased in certain countries or territories may be fulfilled by the manufacturer within 2 years at most since the product has been discontinued, depending on the official regulations declared at the time. Please contact the manufacturer via <https://www.msi.com/support/> for the detailed information about the acquisition of spare parts.

Removing Side Cover



Important

Before you remove or install any components, make sure the system is not turned on or connected to the electrical outlet.

1. Place the system on a flat and steady surface. Unlock the screws and keep the screws for later use.

Right Side



Left Side

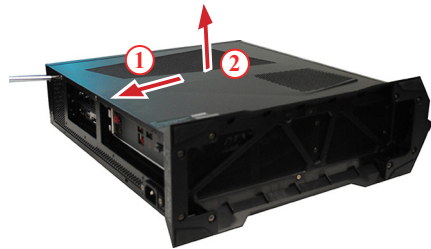


2. Pull to open the cover carefully. Remove it, and set it aside for later use.

Right Side



Left Side



- Follow the above procedures in reverse order to replace the cover.
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Removing CPU Cooler

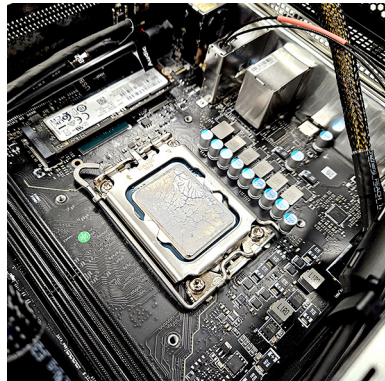


Reference image only. Cooler appearance will vary.

1. Loosen the screws that fasten the CPU cooler to the motherboard.



2. Remove the CPU cooler to uncover the CPU socket.



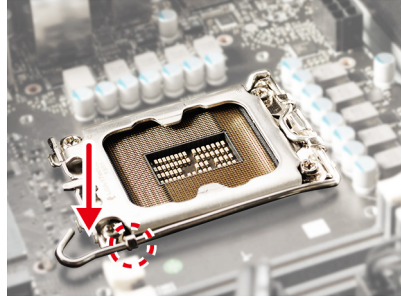
- *Follow the above procedures in reversed order to replace the CPU cooler if needed.*

Installing CPU

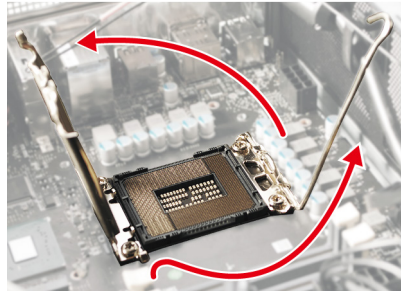


Reference image only. CPU appearance will vary.

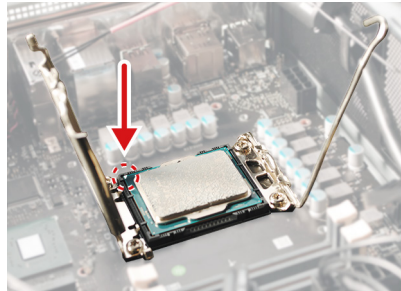
1. Locate the CPU socket and open the load lever.



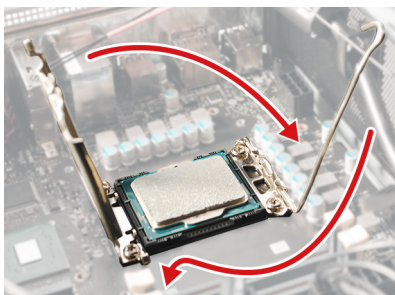
2. Lift the load lever and load plate up to fully open position.



3. Apply thermal paste onto the CPU. After confirming the CPU direction for correct mating, lower the CPU straight down without tilting or sliding the CPU in the socket. Inspect the CPU to check if it is properly seated in the socket.

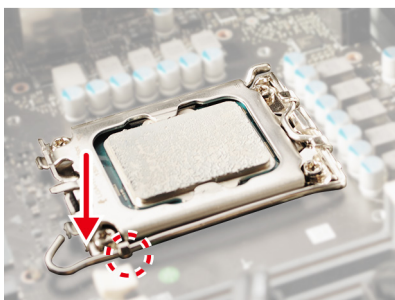


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4. Close and slide the load plate under the retention knob.
 5. Close the load lever.



6. Secure the load lever with the hook under the retention tab.

- *Follow the above procedures in reverse order to replace the CPU if needed.*

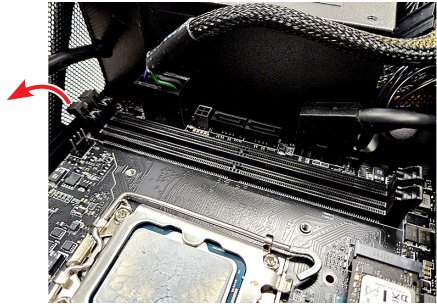


Installing Memory

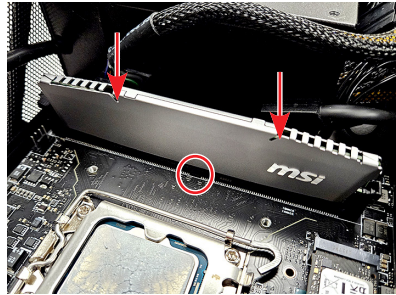


Reference image only. Memory module appearance will vary.

1. Flip the slot clip outwards.



2. Align the notch on the memory with the key on the slot and insert the memory module into the slot with correct orientation. Push the memory module gently downwards until the slot clips click and lock the memory module in place.



- Follow the above procedures in reverse order to replace the memory module if needed.

Installing 2.5" HDD

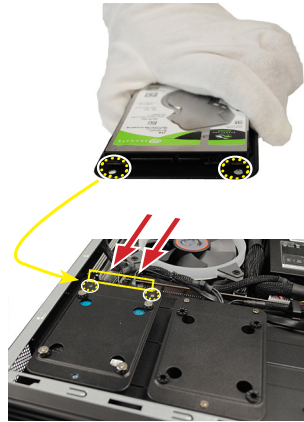


Reference image only. HDD appearance will vary.

1. Put the bracket to the 2.5" HDD and lock the screws.



2. Locate the HDD and connect the power and signal cables.



3. Secure the bracket.

- Follow the above procedures in reverse order to replace the HDD if needed.



Installing Graphics Card



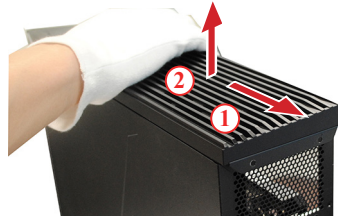
Important

Reference image only. Graphics card appearance will vary.

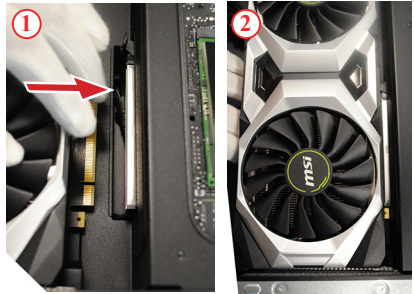
1. Unlock the screws that secures the top cover.



2. Open the top cover.



3. Push the graphics card to the slot.

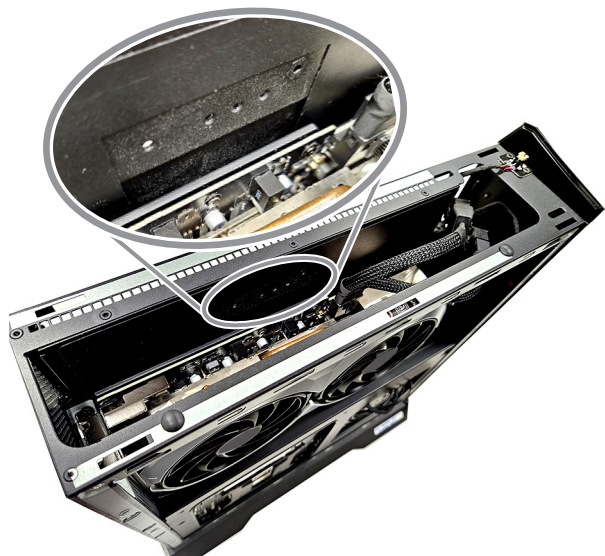


Important

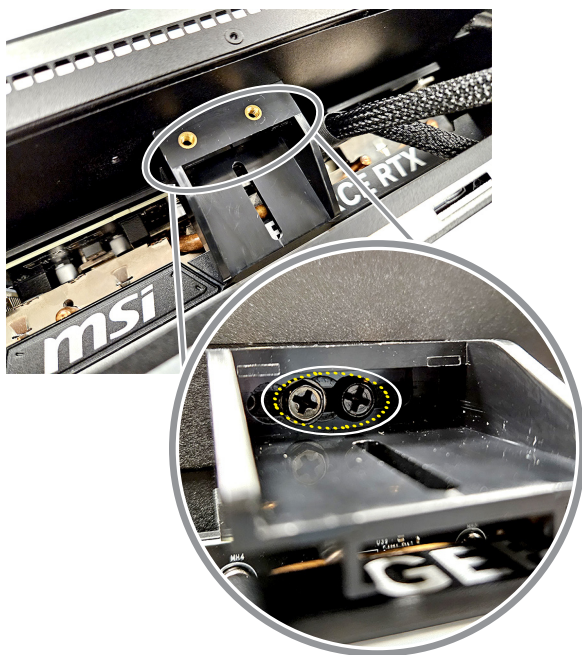
When removing the graphics card, you need to press the clip to release it.



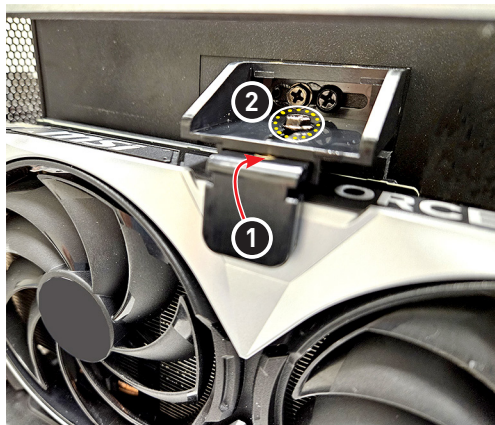
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4. Locate the screw holes where the graphics card bracket will be installed.



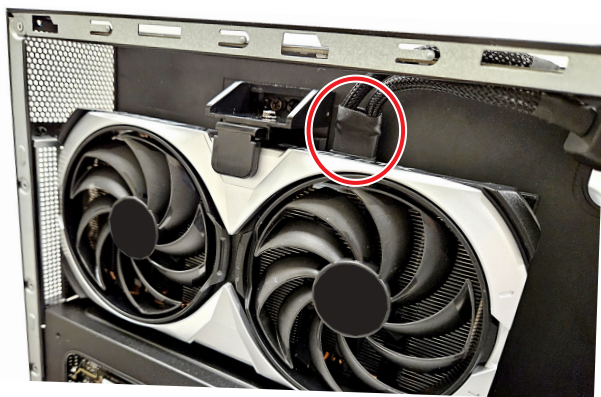
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5. Fit the graphics card bracket above the graphics card, right between the fans. Lock the screws to fasten the graphics card bracket.



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6. Insert the auxiliary support beneath the graphics card bracket and lock it with the screw.



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7. Connect the graphics card power connector.



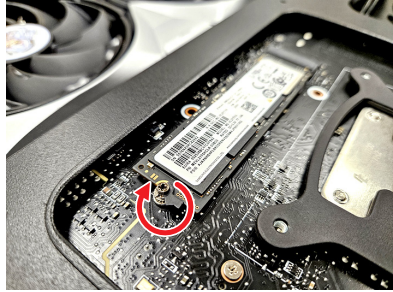
- Follow the above procedures in reverse order to replace the graphics card if needed.
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Removing/Replacing M.2 SSD (Optional)

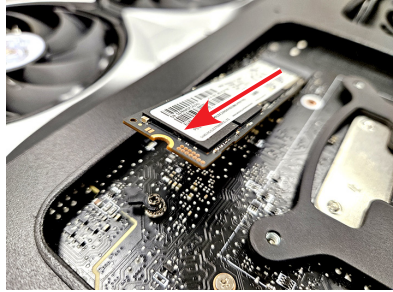


Reference image only. SSD appearance will vary.

1. Locate the M.2 SSD. Slide the EZ clip clockwise to disengage the SSD.



2. Remove the SSD once it is disengaged and springs upward.



3. To replace the SSD, first insert the SSD into the slot. Align the semicircle edge of the SSD with the screw and gently push the SSD downwards. Secure the SSD by sliding the EZ clip counterclockwise.

