

Upgrade Guide

Disclaimer

ASUS is not responsible for direct, indirect, intentional or unintentional damages resulting from improper installation and operation.

Safety precautions

- Before handling components, use a grounded wrist strap or touch a safely grounded object to avoid damaging them due to static electricity.
- Keep liquids or moisture away from your device to avoid short circuits.
- Remove rings, watches, and any other metal objects from your hands.
- Hold components by the edges to avoid touching the ICs.
- Properly install all components before connecting the AC power.
- Do not use power adapters or batteries from other devices to reduce the risk of injury to persons due to fire or explosion. Use only certified power adapters or batteries supplied by the manufacturer or authorized retailers.
- Detach all clips or flaps before removing cables to prevent damage.

- Disconnect cables, connectors, and power plugs by pulling the plug evenly to avoid damage.
- Use the correct screw models on your device to prevent damage.
- Confirm that the cable orientation is correct before connecting any cables.
- Fully remove all adhesive residue after removing and before installing any components.
- Photograph the appearance of cables, cable routing, connectors, and screws for later reference before proceeding with each step.

Pre-repair checklist

- Read the entire manual before starting any service procedures and follow all instructions.
- Back up the data on your device.
- Place your device on a clean and stable surface.
- Turn off your device.
- Disconnect all connected peripherals and cables.
- Disconnect all power cables and remove the battery pack (if applicable).

IMPORTANT!

- If you are uncertain about performing the described service procedures, stop and contact an authorized service center for assistance.
 - Purchase replacement components from authorized retailers of this device to ensure maximum compatibility and reliability.
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NOTE:

- The illustrations are for reference only.
 - The service procedures described in this manual depend on the model configuration and may not reflect the entire servicing process. To service components that are not covered in this manual, please visit an authorized service center for further assistance.
 - Keep all adhesive tape, insulating materials, screws, and other removable items in a safe place until the service procedure is completed, as they may be needed during installation.
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Repair tools



Screwdriver



Plastic blade



Tweezers



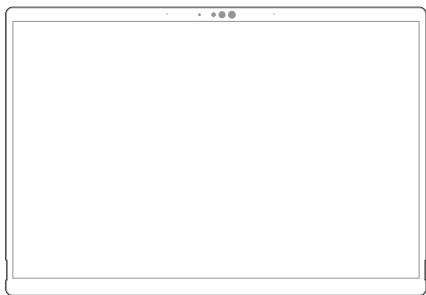
Suction pliers

Diagnostic tools

Use ASUS System Diagnostics after completing any service procedures to ensure that all components are working properly.

For more information, visit www.asus.com/support/FAQ/1048490/.

Display panel



Before you begin

Read the **Safety Precautions** and complete the **Pre-repair Checklist**.

IMPORTANT!

- Specific tools are required for servicing this component. It is recommended that you contact an authorized service center for assistance.
 - This component is fragile. Damage may occur if the service procedure is performed incorrectly. If you are uncertain about proceeding, stop and contact an authorized service center for assistance.
 - Do not bend the display panel in any way to avoid risk of display panel leakage.
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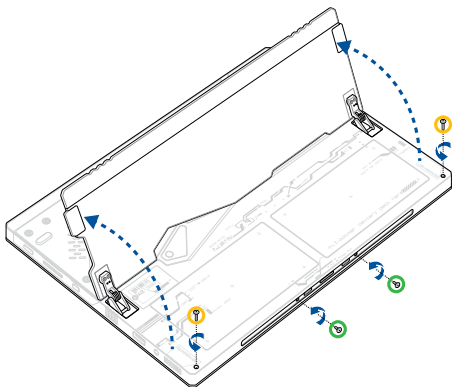
Screw list

- M2.0 X 3.0L (2pcs)
- M2.0 X 10.0L (2pcs)

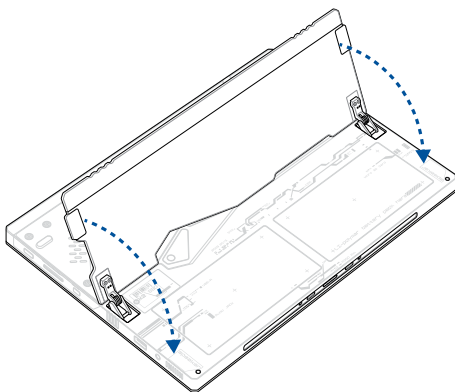
Removal

IMPORTANT! System power will be cut off automatically upon removal of the bottom cover. To restore power, reattach the bottom cover securely and connect the AC power adapter to your Notebook PC after the servicing is complete.

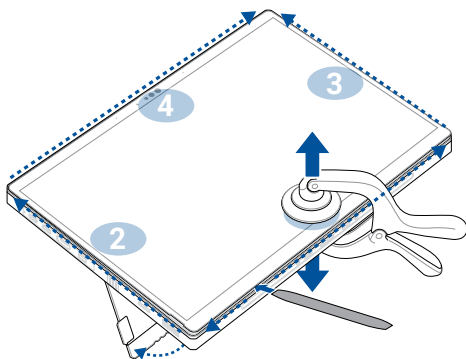
1. Open the kickstand as shown in the illustration below.
2. Remove the screw(s) from the bottom cover.



3. Close the kickstand.



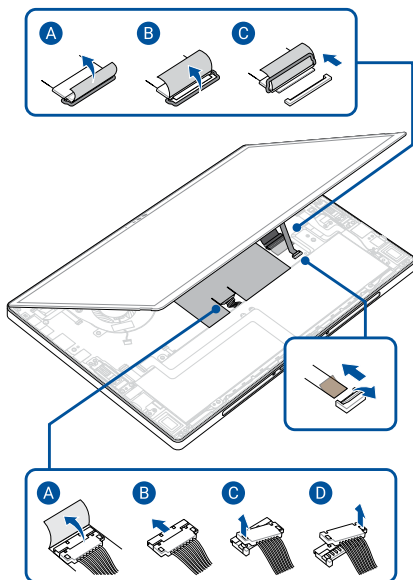
4. Turn over the display panel module, then open the kickstand.
5. Open the suction pliers and securely position the suction cups on both sides of the display panel (not on the kickstand) as shown in the illustration below.
6. Squeeze the handles of the suction pliers to lift and slightly separate the display panel from the bottom cover. Start from the lower part of the display panel and repeat the procedure from side to side in the sequence shown in the illustration below.
7. Use the plastic blade to carefully pry open the indicated area of the bottom cover.



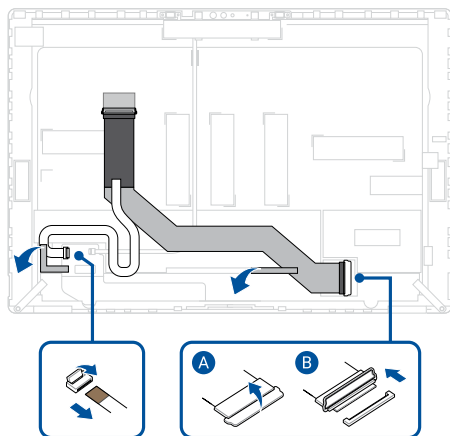
8. Slightly lift the display panel, then lift the polyester tab and disconnect the battery power cable.
9. Disconnect the touch screen panel cable from the motherboard.

IMPORTANT!

- Disconnect the battery power cable by lifting the side with the red wires first.
 - Serious risk of fire or explosion may occur if the battery is punctured. If you are uncertain about proceeding, stop and contact an authorized service center for assistance.
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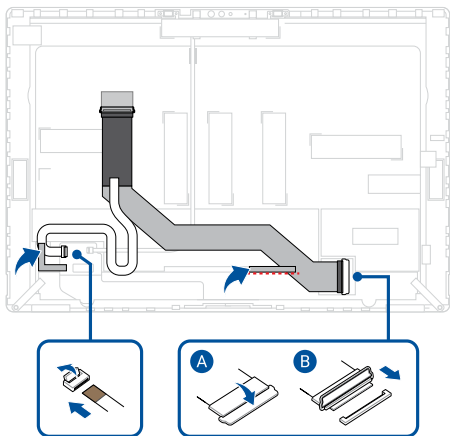


10. Remove the tape.
11. Disconnect the cable(s) from the rear side of the display panel.

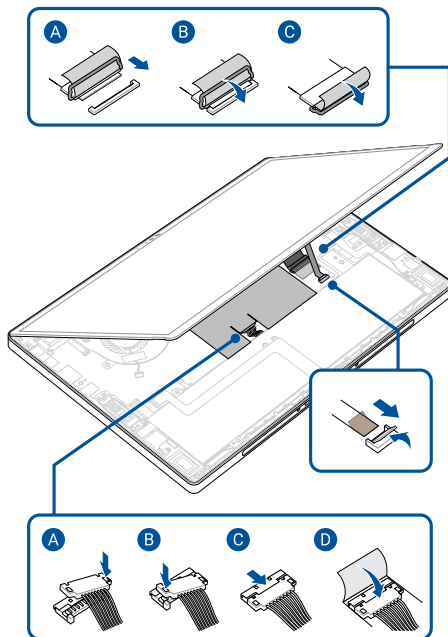


Installation

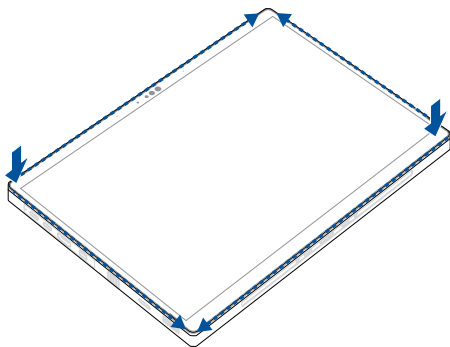
1. Reconnect the cable(s) to the rear side of the display panel.
2. Reattach the tape.



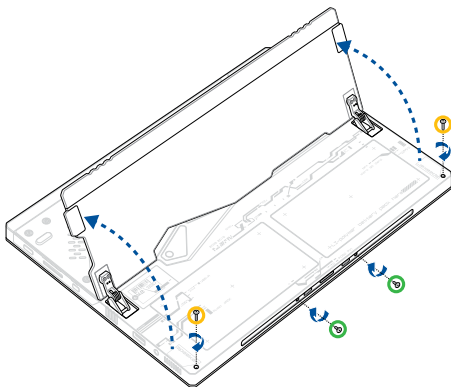
3. Slightly lift the display panel, then reconnect the cable(s) to the motherboard.



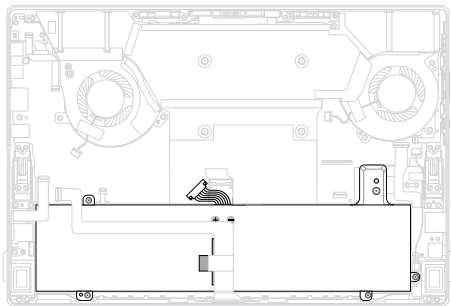
4. Align and install the display panel.



5. Secure the bottom cover using the screw(s) you removed earlier.
6. Install the components you removed in the *Before you begin* section.



Battery



Before you begin

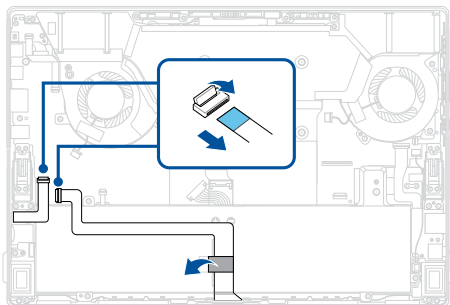
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the display panel.

Screw list

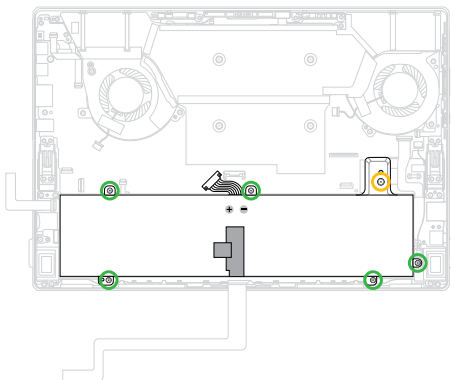
- ⊕ M2.0 X 5.0L (5pcs)
- ⊕ M2.0 X 2.0L (1pc)

Removal

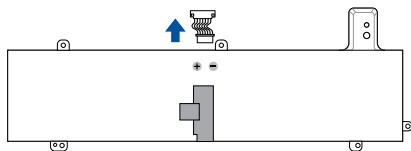
1. Disconnect the cable(s).
2. Remove the tape.



3. Remove the screw(s) from the battery.
4. Remove the battery.



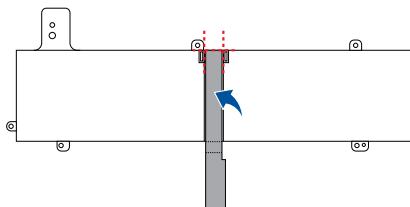
5. Remove the cable from the battery.



Installation

1. Position the battery in the orientation shown, then align and attach the first half of the tape on the battery.

NOTE: This step is only required when you are replacing the existing component with a new one.

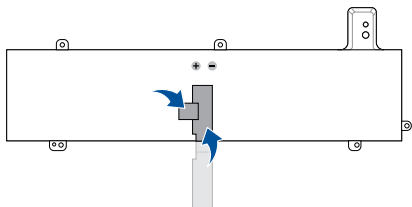


2. Turn over the battery, then attach the other half of the tape on this side of the battery.

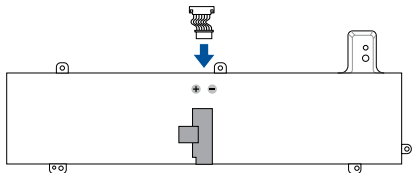
NOTE: This step is only required when you are replacing the existing component with a new one.

3. Attach the smaller piece of tape as shown in the illustration below.

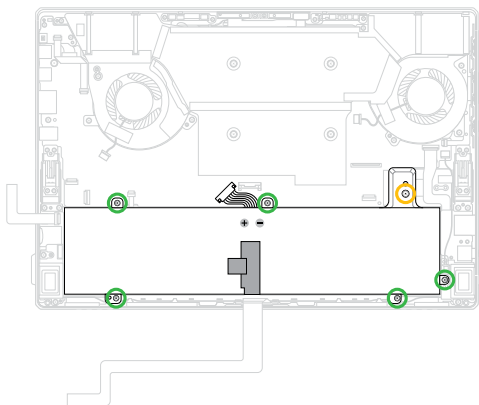
NOTE: This step is only required when you are replacing the existing component with a new one.



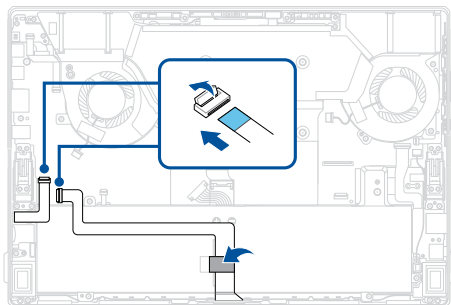
4. Reconnect the battery power cable to the battery.



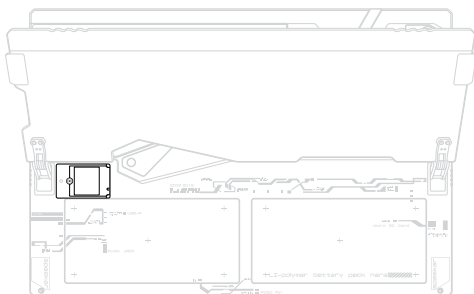
5. Secure the battery using the screw(s) you removed earlier.



6. Reconnect the cable(s).
7. Reattach the tape.
8. Install the components you removed in the *Before you begin* section.



M.2 SSD module



Before you begin

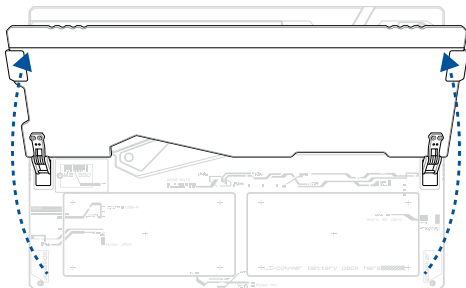
Read the **Safety Precautions** and **Pre-repair Checklist**.

Screw list

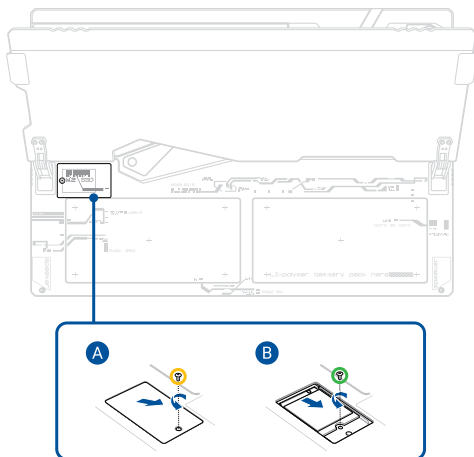
- ⊕ M2.0 X 2.5L (1pc)
- ⊕ M2.0 X 7.0L (1pc)

Removal

1. Open the kickstand.

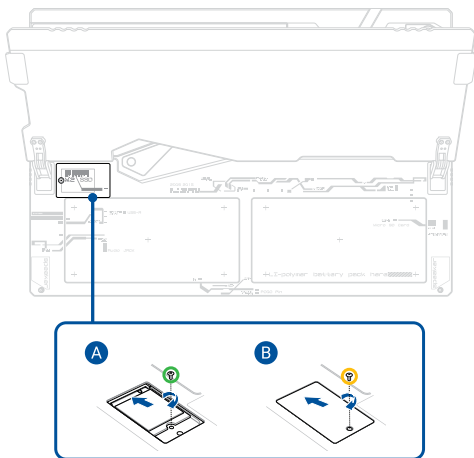


2. Remove the screw to open the compartment cover.
3. Remove the screw, then remove the M.2 SSD module from the motherboard.



Installation

1. Secure the M.2 SSD module to the motherboard using the screw you removed earlier.
2. Secure the compartment cover.



3. Close the kickstand.
4. Install the components you removed in the *Before you begin* section.

