



ROG XBOX ALLY
ROG XBOX ALLY X
GAMING HANDHELD
SERVICE MANUAL

MORE INFO



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Chapter 1:

Introduction

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.
-

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.
-

Repair tools



Screwdriver



Plastic blade



Tweezers



Maintenance fixture*

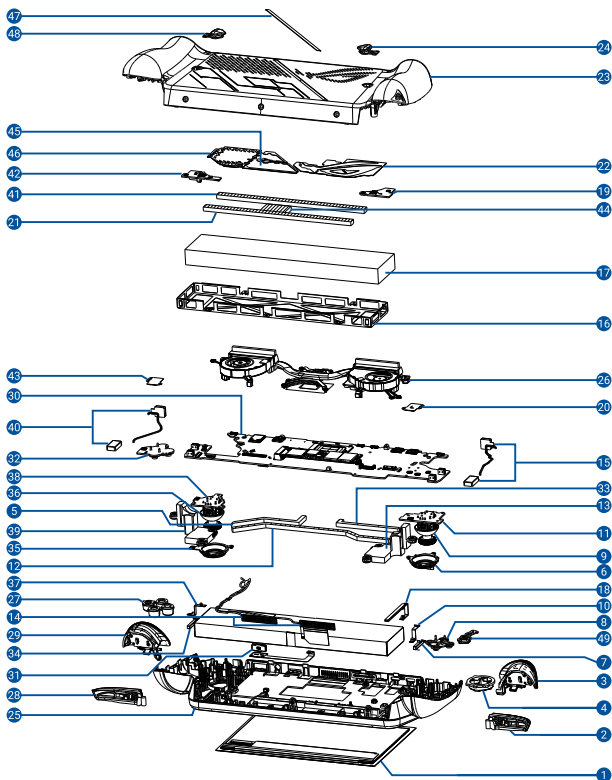
** This item may be purchased from ASUS through an authorized service center.*

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/.

Major components



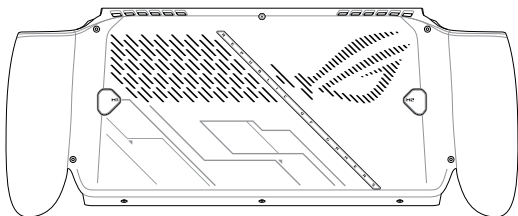
- | | |
|---------------------------------|----------------------------------|
| 1. Display panel | 26. Thermal module |
| 2. Left bumper | 27. A/B/X/Y buttons |
| 3. Left trigger | 28. Right bumper |
| 4. D-pad | 29. Right trigger |
| 5. Thermal sponge | 30. Motherboard |
| 6. Left stick LED ring | 31. Power button |
| 7. Left stick LED ring cable | 32. A/B/X/Y membrane |
| 8. D-pad membrane | 33. Thermal sponge (2/2) |
| 9. Left stick cap | 34. Right stick LED ring cable |
| 10. Left stick cable | 35. Right stick LED ring |
| 11. Left stick | 36. Right stick cap |
| 12. Thermal sponge (1/2) | 37. Right stick cable |
| 13. Speaker (left) | 38. Right stick |
| 14. Antenna cable | 39. Speaker (right) |
| 15. Haptic motor (left) | 40. Haptic motor (right) |
| 16. Battery bracket | 41. Battery sponge (2/3) |
| 17. Battery | 42. Subwoofer speaker (right) |
| 18. Motherboard to macro cable | 43. Haptic motor bracket (right) |
| 19. Subwoofer speaker (left) | 44. Battery sponge (3/3) |
| 20. Haptic motor bracket (left) | 45. Mesh (right) |
| 21. Battery sponge (1/3) | 46. Fan shield polyester film |
| 22. Mesh (left) | 47. Slash plate |
| 23. Bottom cover | 48. M1 button |
| 24. M2 button | 49. Xbox button |
| 25. Top cover | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Chapter 2:

Service Procedures

Bottom cover



Before you begin

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

Screw list

- ⊕ M2.0 X 14.0L (4pcs)
- ⊕ M2.0 X 3.5L (3pcs)
- ⊕ M2.0 X 10.6L (1pc Pop-open Screw)

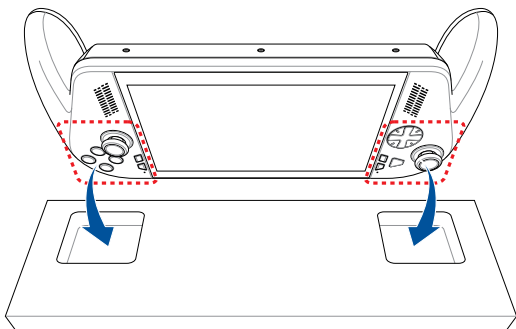
Removal

IMPORTANT!

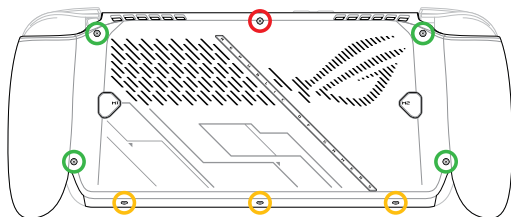
- System power will be cut off automatically upon removal of the bottom cover. To restore power, reattach the bottom cover securely and connect the AC power adapter to your ROG Handheld Console after the servicing is complete.
 - Ensure your ROG Handheld Console is properly stabilized, and both of the analog sticks are protected from being pressed during the servicing process.
-

1. Align and place the ROG Handheld Console on the maintenance fixture with the bottom cover facing upwards.

NOTE: The maintenance fixture may be purchased from ASUS through an authorized service center.

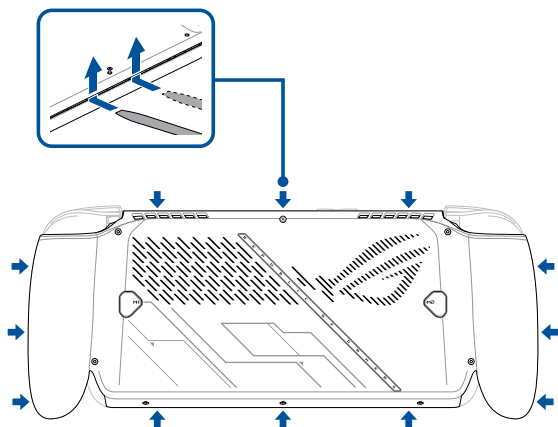


2. Remove the screw(s) from the ROG Handheld Console's bottom cover.
3. Loosen the Pop-open Screw without removing the screw from the cover.



4. Use the plastic blade to pry open the bottom cover.

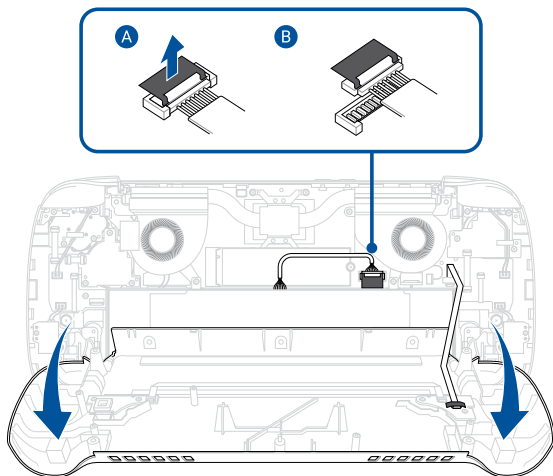
IMPORTANT! Avoid sliding the plastic blade along the side of the bottom cover to prevent damage.



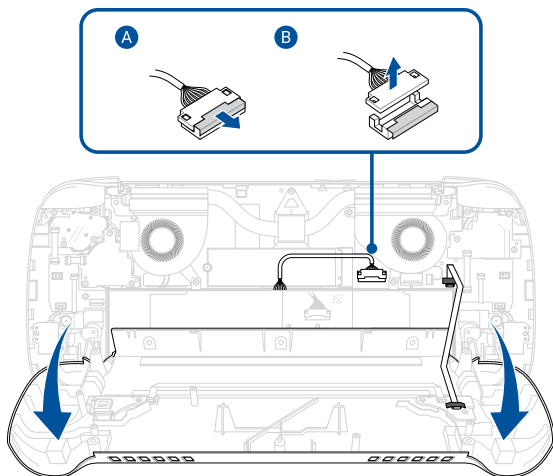
5. Slightly lift the cover to reveal the compartment without removing the cover completely.
6. Disconnect the battery power cable as shown in the illustration.

IMPORTANT! 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.

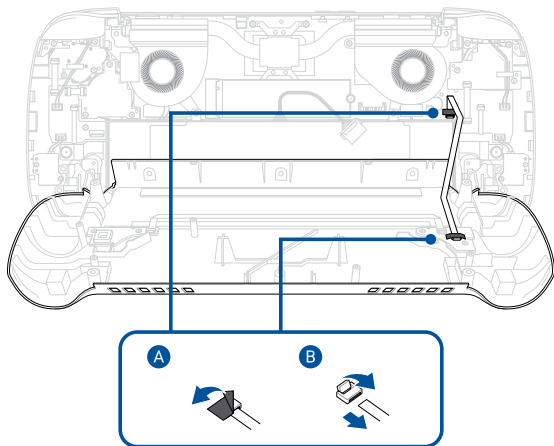
RC73XA



RC73YA



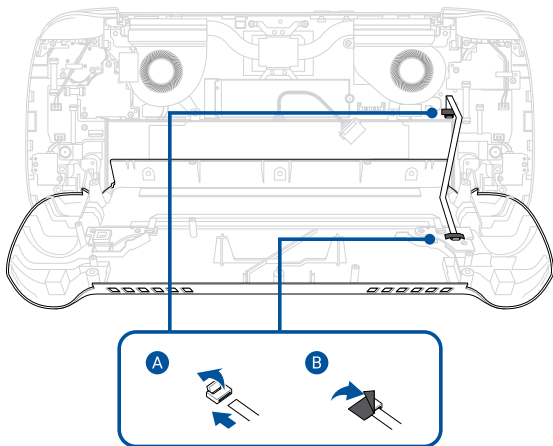
7. Remove the tape, then locate and disconnect the cable from the bottom cover.
8. Pull out the bottom cover and remove it completely from your ROG Handheld Console.



Installation

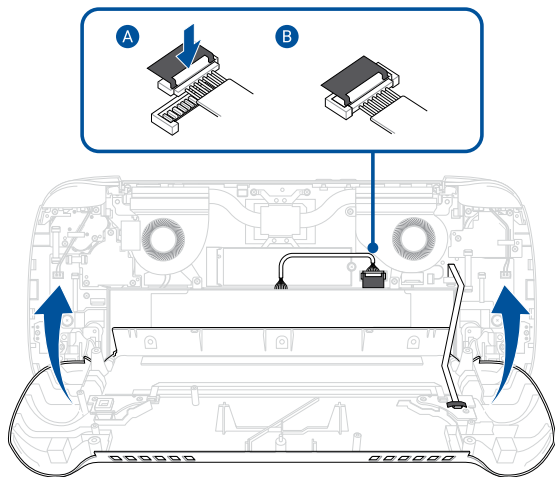
IMPORTANT! System power will be cut off automatically upon removal of the bottom cover. To restore power, reattach the bottom cover securely and connect the AC power adapter to your device after the servicing is complete.

1. Locate and reconnect the cable to the bottom cover, then reattach the tape.

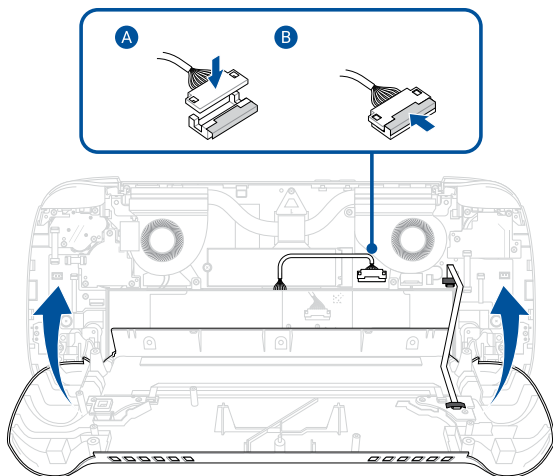


2. Reconnect the battery power cable as shown in the illustration.
3. Align and reattach the bottom cover.

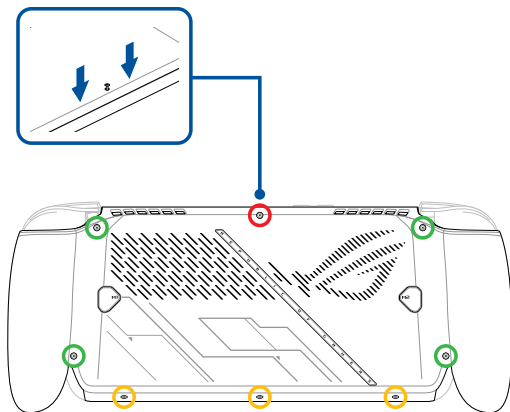
RC73XA



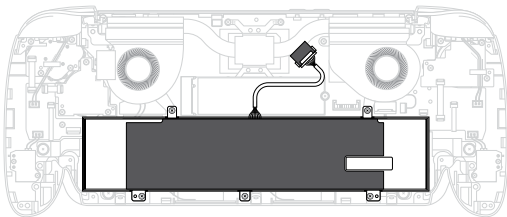
RC73YA



4. Secure the cover using the screw(s) you removed earlier.
5. Tighten the Pop-open Screw.



Battery



Before you begin

1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the following components:
 - Bottom cover

Screw list

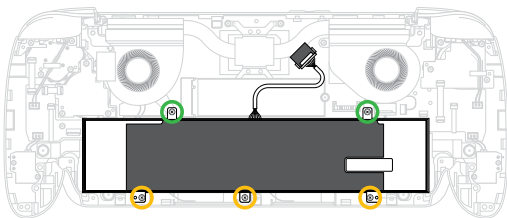
- ⊕ M1.6 X 10.0L (2pcs)
- ⊕ M1.6 X 3.0L (3pcs)

Removal

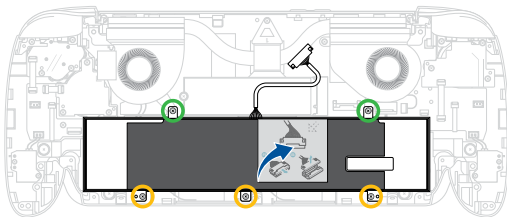
Remove the screw(s), then remove the battery and peel off the instruction label (if available) for battery installation later.

IMPORTANT! 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.

RC73XA



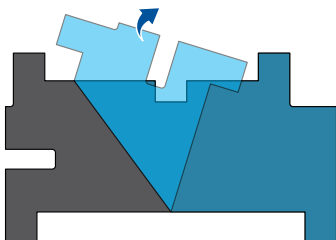
RC73YA



Installation

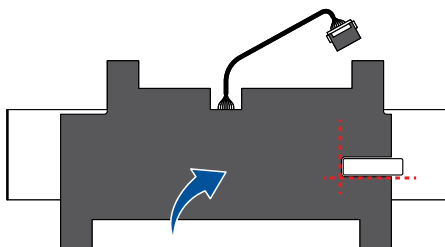
1. Remove the release liner from the adhesive polyster film.

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



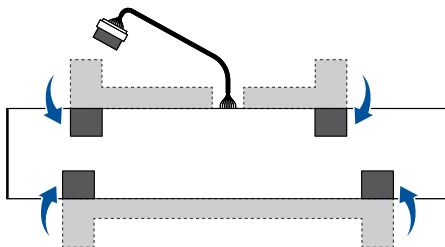
2. In the orientation shown, align and attach the adhesive polyester on the battery.

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



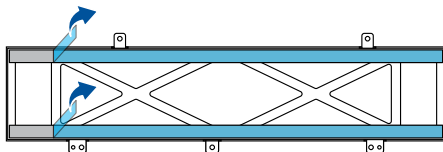
3. Turn over the battery, then fold the adhesive polyester film as shown in the illustration below.

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



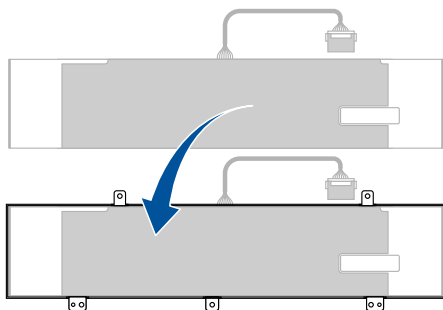
4. Remove the release liner(s) from the tape on the battery bracket.

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



5. Install the battery into the battery bracket in the orientation shown in the illustration below. Ensure the battery connector is not blocked.

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

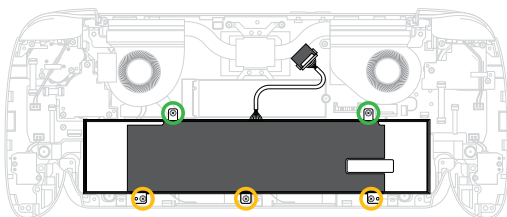


6. Secure the battery using the screw(s) you removed earlier.
7. If available, align and attach the instruction label to the battery in the orientation shown below.

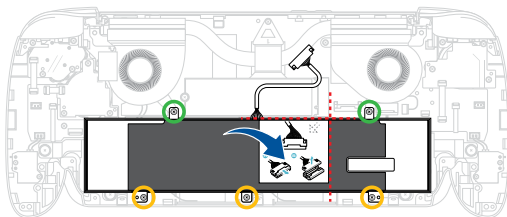
NOTE: This step is only required when you are replacing the existing component with a new one.

8. Install the components you removed in the *Before you begin* section.

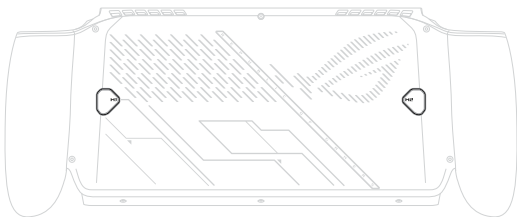
RC73XA



RC73YA



Macro button



Before you begin

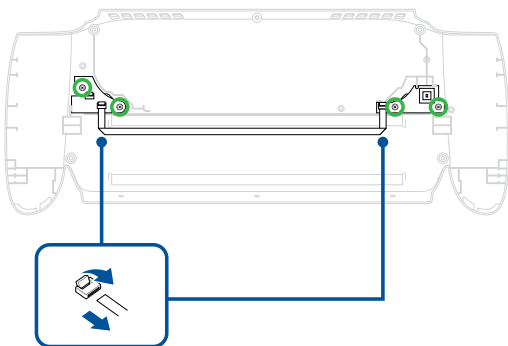
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.

Screw list

- ⊕ M1.4 X 3.0L (4pcs)
- ⊕ M1.4 X 2.0L (2pcs)

Removal

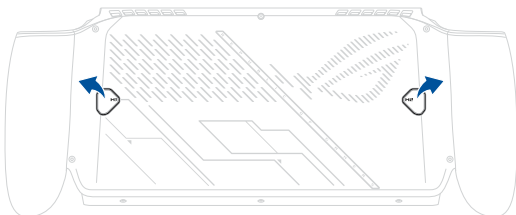
1. Disconnect the cable(s) from the macro button board(s) on the inside of the bottom cover.
2. Remove the screw(s).
3. Remove the macro button board(s).



4. Remove the screw(s) to release the macro button(s).

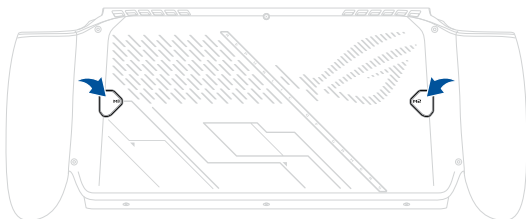


5. Turn over the bottom cover and remove the the macro button(s).



Installation

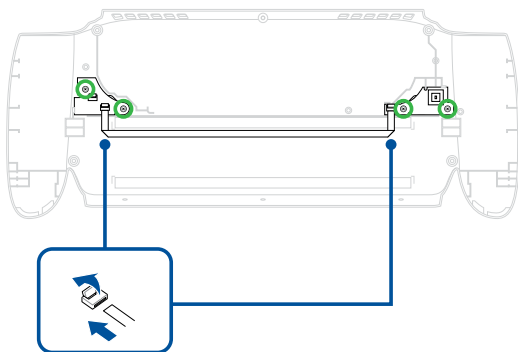
1. Align and install one macro button at a time from the outside of the bottom cover.



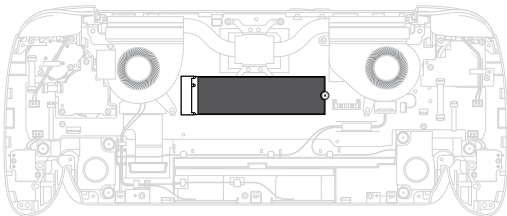
2. Hold the macro button you just installed in place, then turn over the bottom cover and secure one button at a time using the screw you removed earlier.



3. Align and install the macro button board(s).
4. Secure the macro button board(s) using the screw(s) you removed earlier.
5. Reconnect the cable(s).
6. Install the components you removed in the *Before you begin* section.



M.2 SSD module (RC73XA)



Before you begin

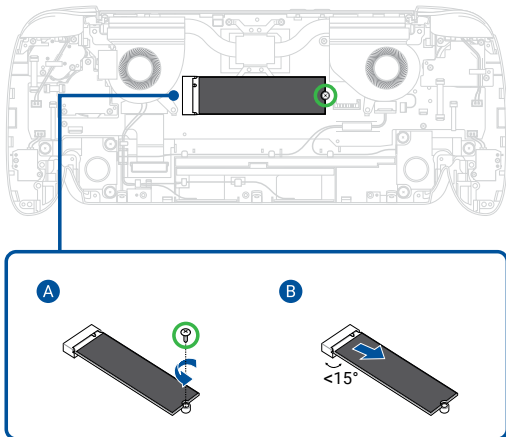
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery

Screw list

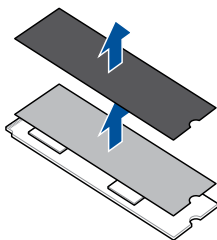
- ⊕ M2.0 X 3.5L (1pc)

Removal

1. Remove the screw, then remove the M.2 SSD module from the motherboard.

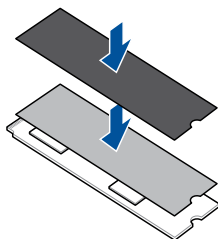


2. Remove the polyester film, then remove the absorber sheet.

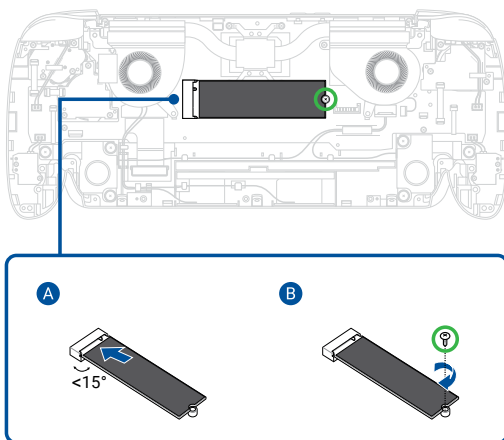


Installation

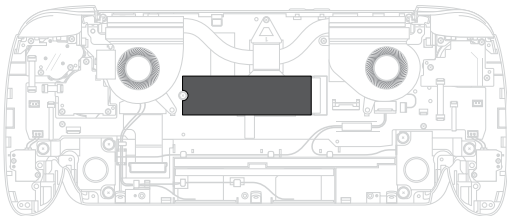
1. Align and attach the absorber sheet to the SSD module, then attach the polyester film.



2. Secure the M.2 SSD module to the motherboard using the screw you removed earlier.
3. Install the components you removed in the *Before you begin* section.



M.2 SSD module (RC73YA)



Before you begin

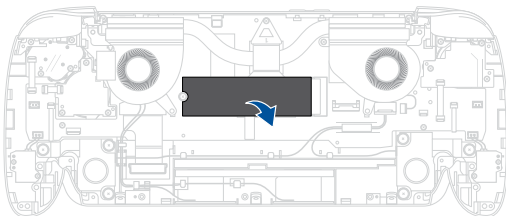
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery

Screw list

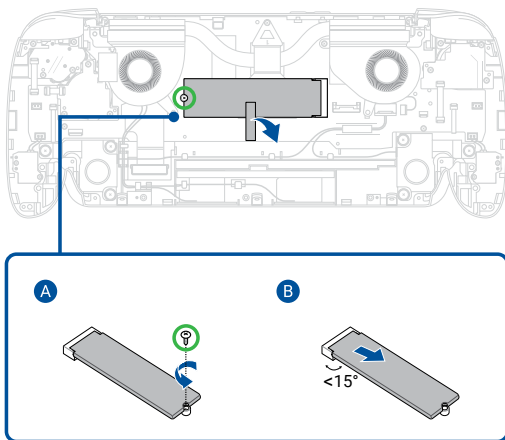
- ⊕ M2.0 X 3.5L (1pc)

Removal

1. Remove the polyester film.

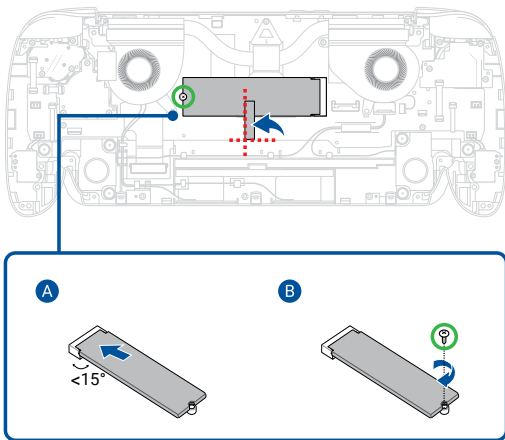


2. Remove the tape.
3. Remove the screw, then remove the M.2 SSD module from the motherboard.
4. Remove the aluminum foil sleeve.

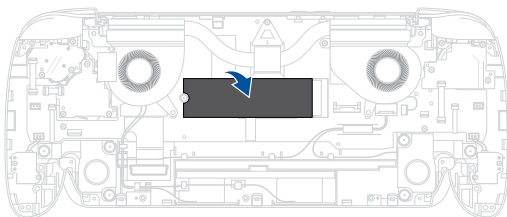


Installation

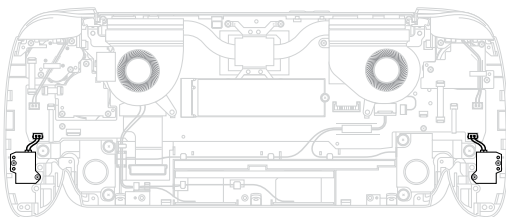
1. Insert the M.2 SSD module into the aluminum foil sleeve.
2. Secure the M.2 SSD module to the motherboard using the screw you removed earlier.
3. Align and attach the tape.



4. Attach the polyster film to the SSD module.
5. Install the components you removed in the *Before you begin* section.



Haptic motors



Before you begin

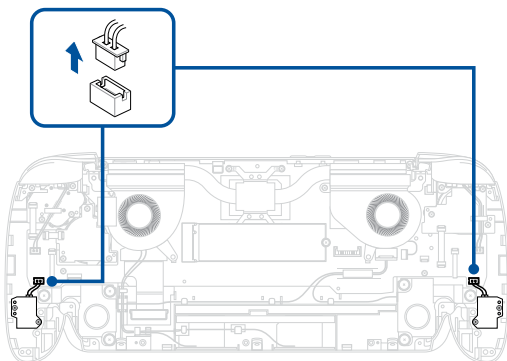
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.

Screw list

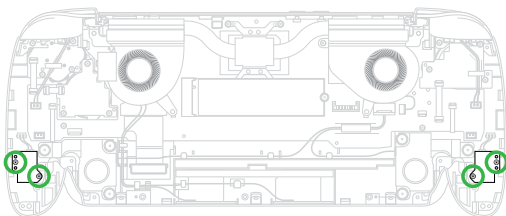
- ⊕ M1.6 X 3.0L (4pcs)

Removal

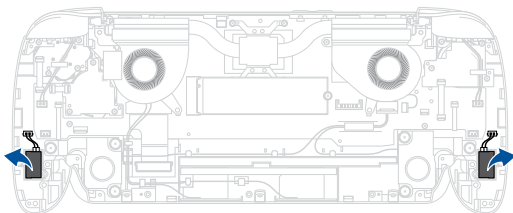
1. Disconnect the cable(s).



2. Remove the screw(s), then remove the bracket(s).



3. Remove the haptic motor(s).



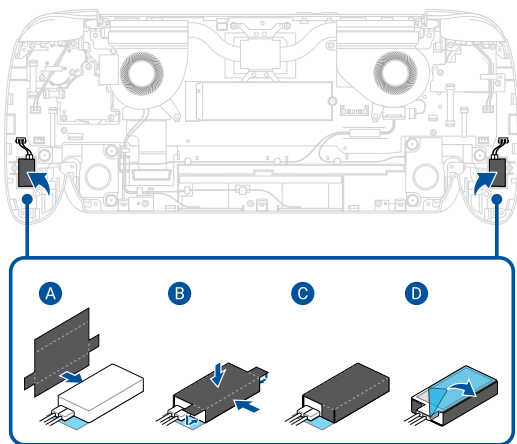
Installation

1. Align and attach the adhesive sponge as shown in the illustration below.

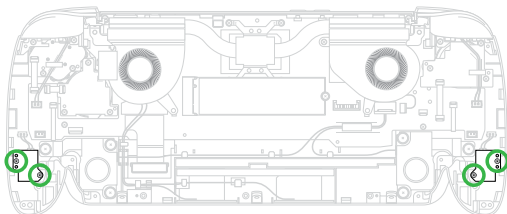
NOTE: This step is only required when you are replacing the existing component with a new one.

2. Remove the release liner(s) from the bottom of the haptic motor(s), then align and install the haptic motor(s).

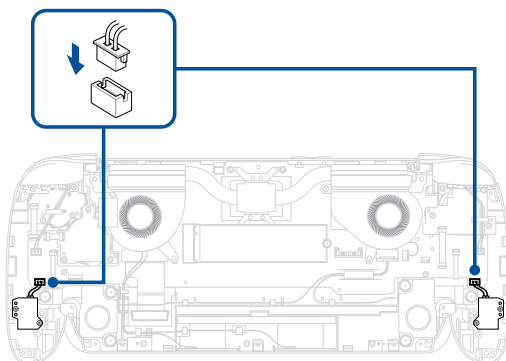
NOTE: This step is only required when you are replacing the existing component with a new one.



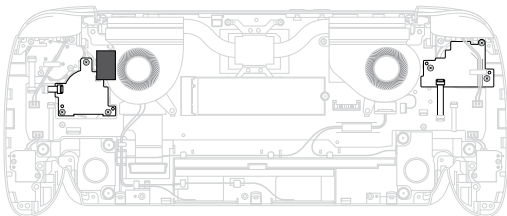
3. Secure the bracket(s) using the screw(s) you removed earlier.



4. Reconnect the cable(s).
5. Install the components you removed in the *Before you begin* section.



Analog sticks



Before you begin

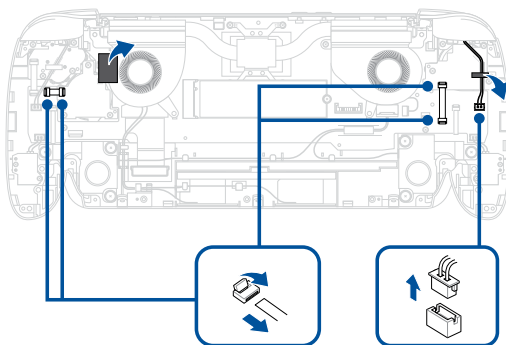
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery

Screw list

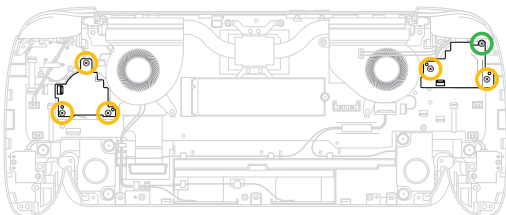
- ⊕ M1.6 X 9.0L (1pc)
- ⊕ M1.6 X 3.0L (5pcs)

Removal

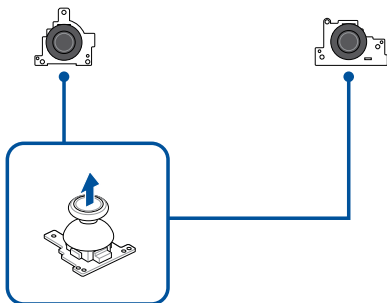
1. Remove the tape.
2. Disconnect the cable(s).



3. Remove the screw(s), then remove the analog stick board(s).

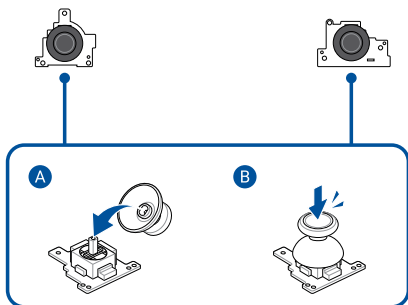


4. Flip over the board(s) and pull out the stick cap(s).

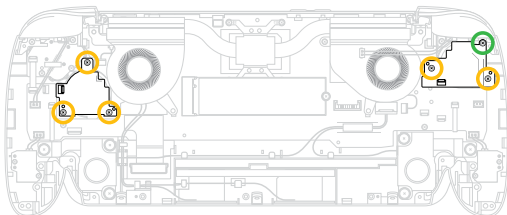


Installation

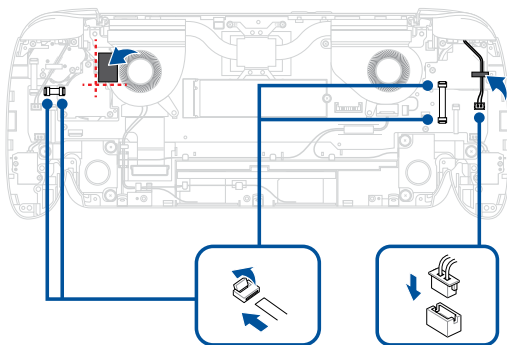
1. Align and install the analog stick cap(s).



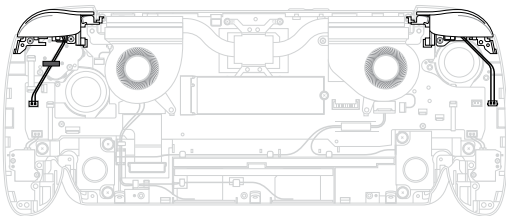
2. Align and install the analogue stick board(s) back to the chassis in the orientation shown in the illustration below.
3. Secure the analog stick board(s) using the screw(s) you removed earlier.



4. Reconnect the cable(s).
5. Align and attach the tape.
6. Install the components you removed in the *Before you begin* section.



Trigger button module (RC73XA)



Before you begin

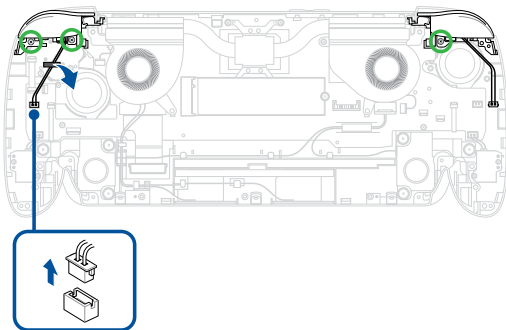
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Analog sticks

Screw list

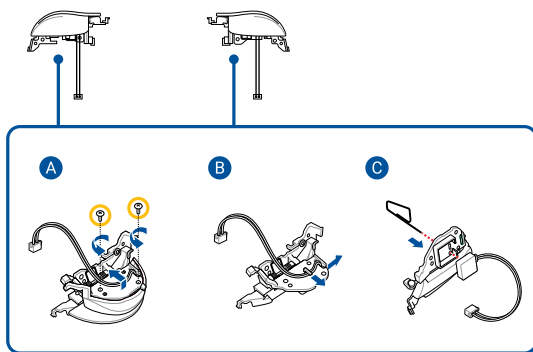
- ⊕ M1.6 X 9.0L (3pcs)
- ⊕ M1.6 X 6.0L (2pcs)

Removal

1. Remove the screw(s).
2. Remove the tape, then disconnect the cable.
3. Remove the trigger button module(s).



4. Remove the screw(s) to release the haptic motor module(s) from the trigger button cap(s).
5. Remove the cable from the cable guide.
6. Carefully insert a pin to remove the haptic motor(s).



Installation

1. Remove the release liner(s) from the floor of the haptic motor compartment(s).

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

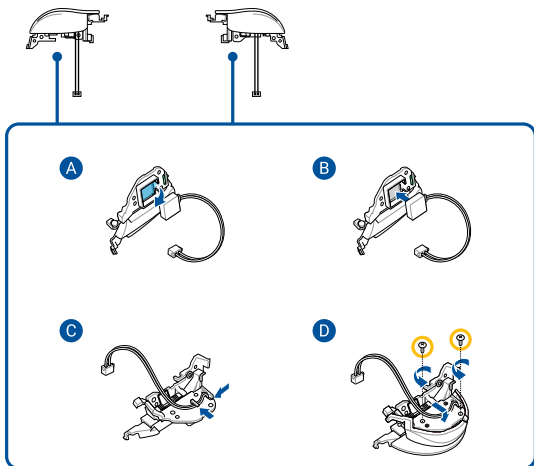
2. Align and install the haptic motor(s).

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

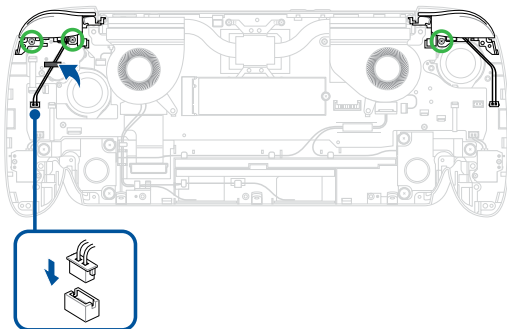
3. Route the cable through the cable guide.

IMPORTANT! Damage may occur if cables are not properly routed through the cable guides. Confirm that all cables are routed through each of the indicated cable guides before proceeding.

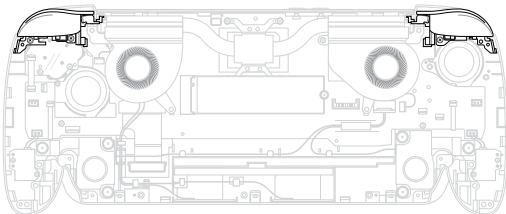
4. Secure the haptic motor module(s) to the trigger button cap(s) using the screw(s) you removed earlier.



5. Align and install the trigger button module(s).
6. Secure the trigger button module(s) using the screw(s) you removed earlier.
7. Connect the cable and attach the tape.
8. Install the components you removed in the *Before you begin* section.



Trigger button module (RC73YA)



Before you begin

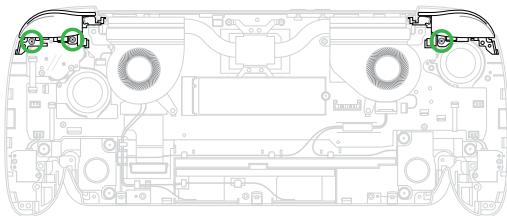
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Analog sticks

Screw list

- ⊕ M1.6 X 9.0L (3pcs)

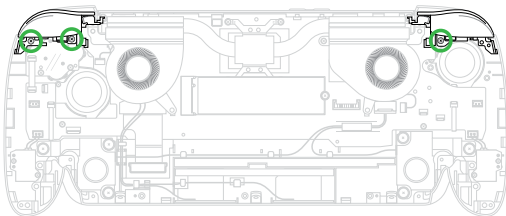
Removal

1. Remove the screw(s).
2. Remove the trigger button module(s).

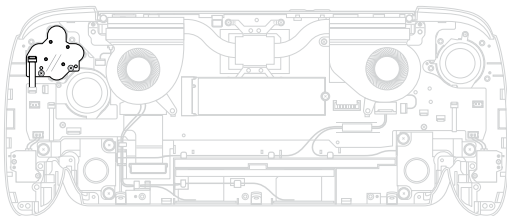


Installation

1. Align and install the trigger button module(s).
2. Secure the trigger button module(s) using the screw(s) you removed earlier.
3. Install the components you removed in the *Before you begin* section.



A/B/X/Y button board



Before you begin

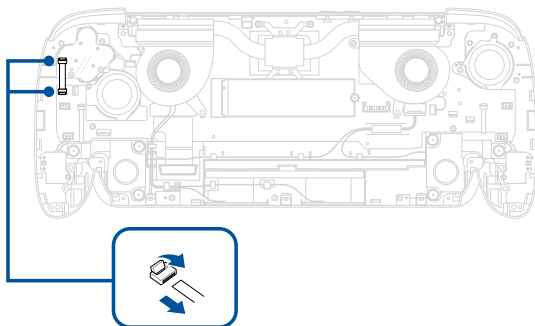
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Analog sticks
 - Trigger button module

Screw list

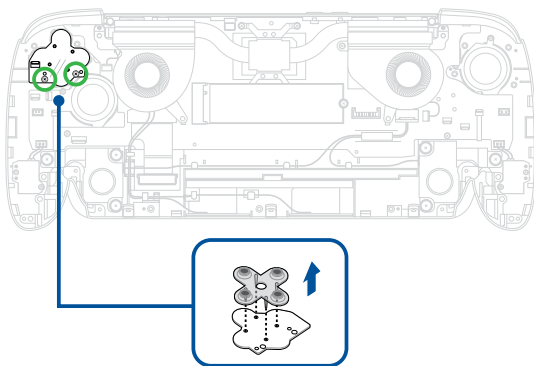
- ⊕ M1.6 X 3.0L (2pcs)

Removal

1. Disconnect the cable.



2. Remove the screw(s).
3. Remove the A/B/X/Y button board.
4. Remove the A/B/X/Y membrane from the board.

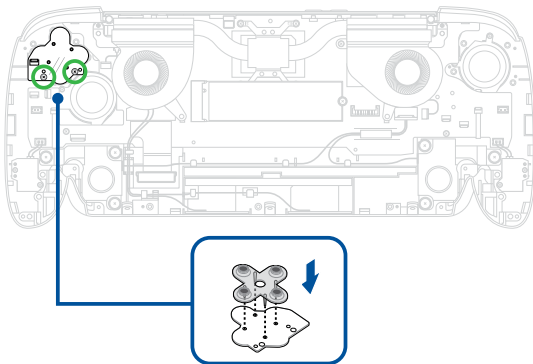


Installation

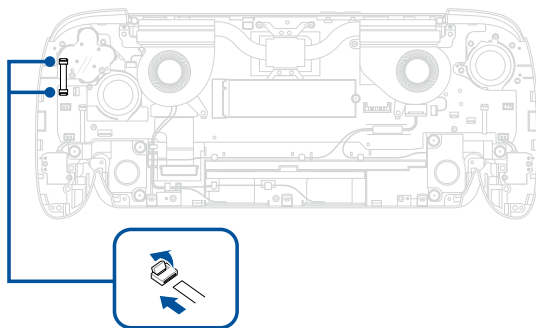
1. Align and install the A/B/X/Y membrane on the A/B/X/Y button board.

NOTE: Ensure all alignment legs on the membrane are securely inserted through the corresponding holes on the board.

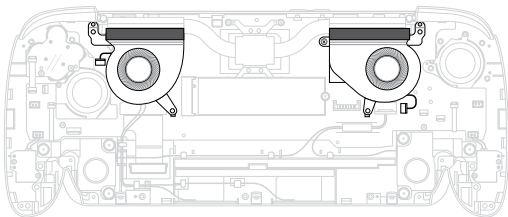
2. Turn over the A/B/X/Y button board, then secure the board using the screw(s) you removed earlier.



3. Connect the cable.
4. Install the components you removed in the *Before you begin* section.



Fan module



Before you begin

IMPORTANT! Thermal paste, thermal pads, liquid metal, or other thermal interface materials must be thoroughly removed and replaced if this component is removed. Ensure that replacement materials are available before proceeding, or contact an authorized service center for assistance.

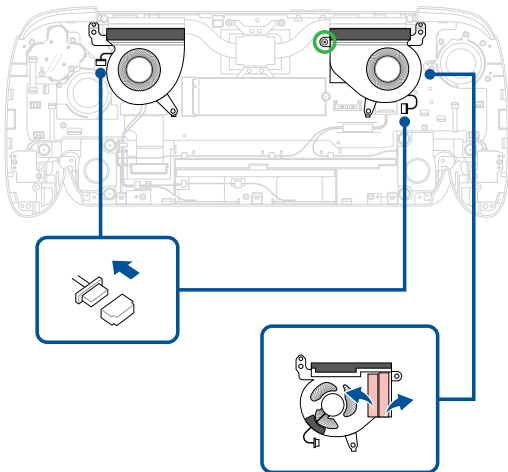
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Trigger button module

Screw list

- ⊕ M1.6 X 10.0L (1pc)

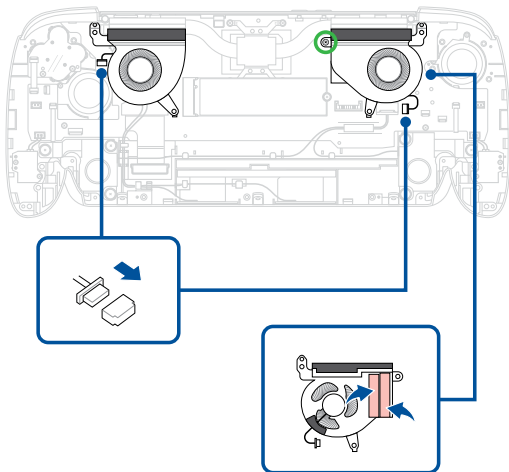
Removal

1. Disconnect the fan cable(s).
2. Remove the screw(s), then remove the fan(s).
3. Remove the thermal pad(s) on the back of the fan.

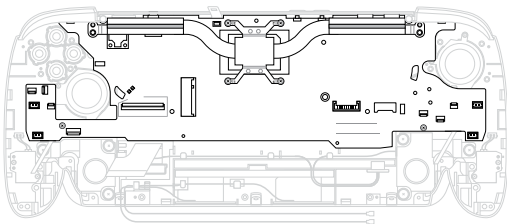


Installation

1. Align and attach the thermal pad(s) on the back of the fan as shown in the illustration below.
2. Align and install the fan(s).
3. Secure the fan(s) using the screw(s) you removed earlier.
4. Reconnect the fan cable(s).
5. Install the components you removed in the *Before you begin* section.



Heat sink and motherboard



Before you begin

IMPORTANT! Thermal paste, thermal pads, liquid metal, or other thermal interface materials must be thoroughly removed and replaced if this component is removed. Ensure that replacement materials are available before proceeding, or contact an authorized service center for assistance.

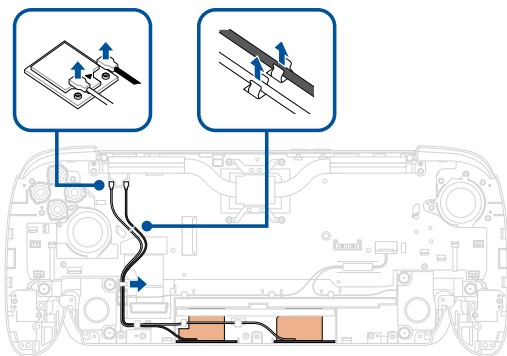
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module

Screw list

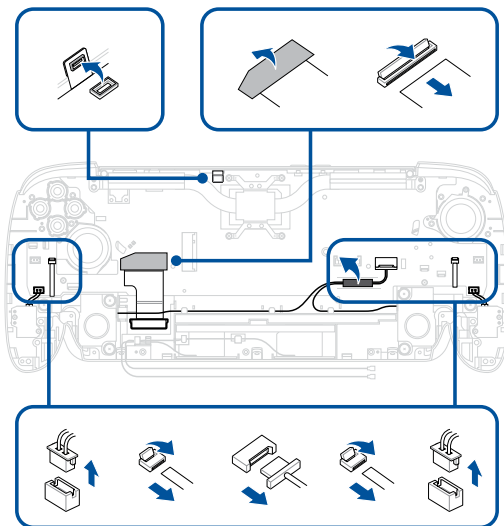
- ⊕ M1.6 X 3.0L (2pcs)
- ⊕ Captive screw (3pcs or 4pcs)

Removal

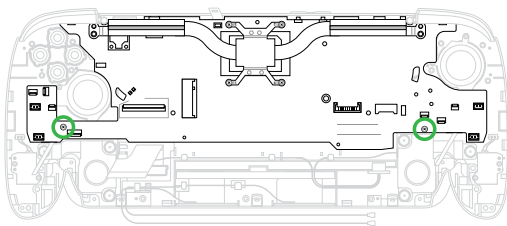
1. Disconnect the antenna cable(s) from the WLAN module.
2. Remove the antenna cable(s) from the cable guide(s).



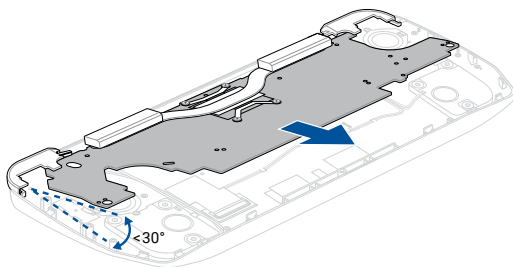
3. Remove the tape, then disconnect the cable(s) from the motherboard.



4. Remove the screw(s).



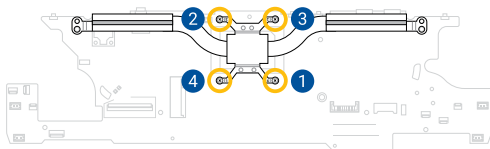
5. Remove the motherboard with the heat sink attached.



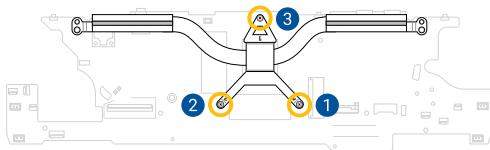
6. Loosen the captive heat sink screw(s) one by one in the sequence shown in the illustration below without removing the screw(s), then remove the heat sink.

IMPORTANT! Vertically lift the heat sink using the middle part of the heat sink to prevent damage.

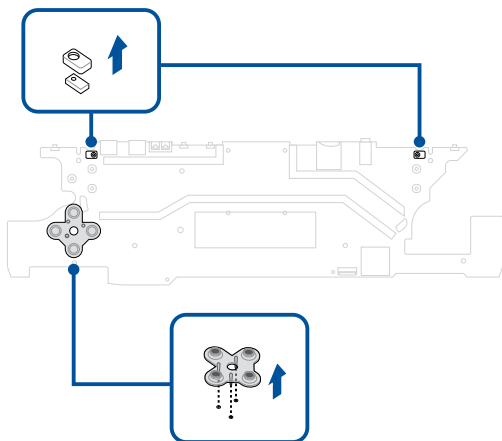
RC73XA



RC73YA



7. Flip over the motherboard, then remove the D-pad membrane from the motherboard.
8. Remove the microphone rubber piece(s).

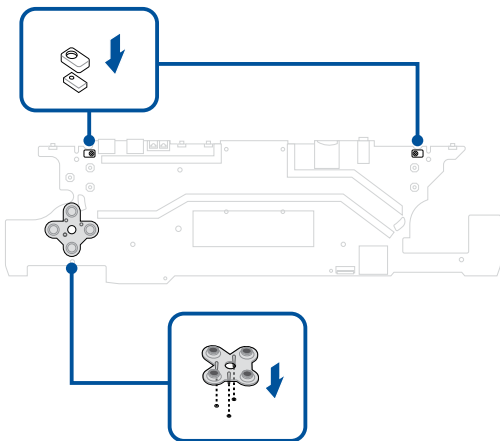


Installation

1. On the bottom side of the motherboard, align and install the D-pad membrane in the orientation shown in the illustration below.

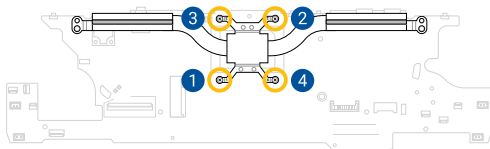
NOTE: Ensure the legs of the membrane(s) are all securely inserted through the holes on the motherboard.

2. Align and install the microphone rubber piece(s).

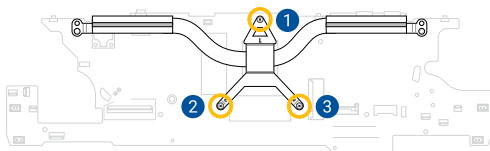


3. Flip over the motherboard, then install the heat sink and secure the captive heat sink screw(s) one by one in the sequence shown in the illustration below.

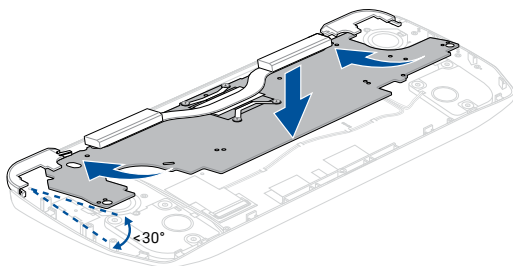
RC73XA



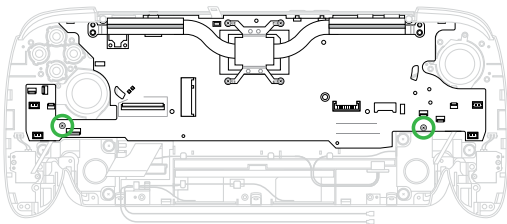
RC73YA



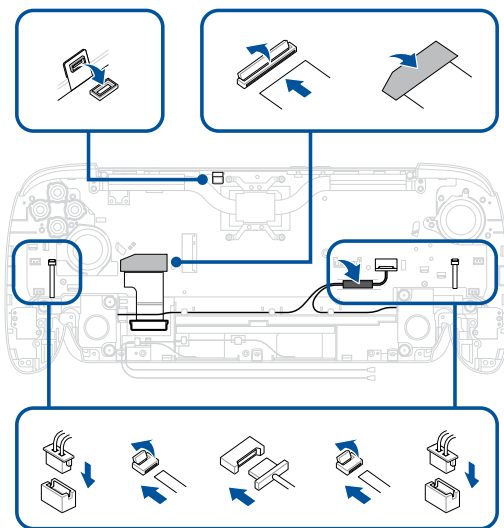
4. Align and install the motherboard with the heat sink attached in the orientation shown in the illustration below.



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



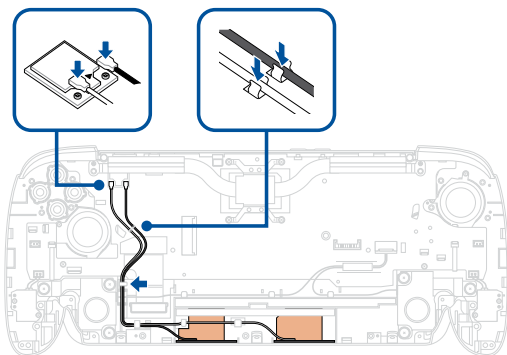
6. Connect the cable(s) to the motherboard.
7. Reattach the tape.



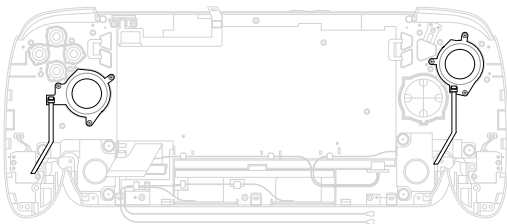
8. Route the cable(s) through the cable guide(s).

IMPORTANT! Damage may occur if cables are not properly routed through the cable guides. Confirm that all cables are routed through each of the indicated cable guides before proceeding.

9. Connect the antenna cable(s) to the WLAN module.
10. Install the components you removed in the *Before you begin* section.



LED ring module



Before you begin

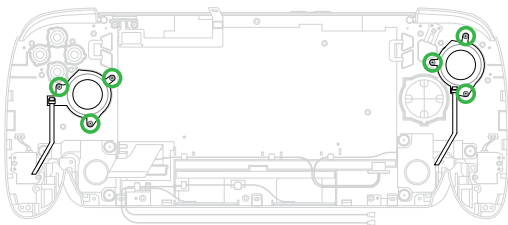
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module
 - Heat sink and motherboard

Screw list

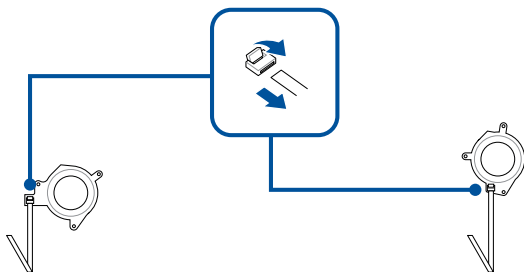
- ⊕ M1.4 X 2.0L (6pcs)

Removal

1. Remove the screw(s).
2. Remove the LED ring module(s).



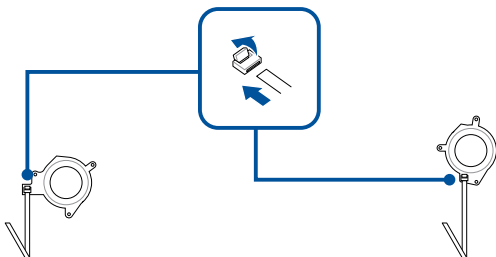
3. Disconnect and remove the cable(s).



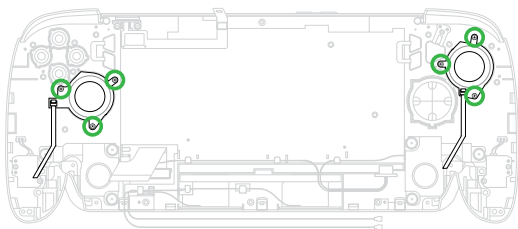
Installation

1. Reconnect the cable(s) to the LED ring module(s).

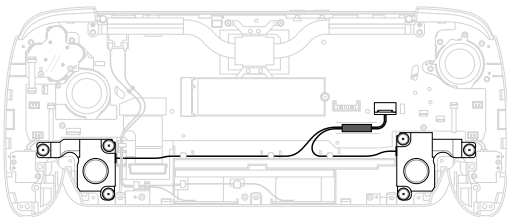
IMPORTANT! Ensure the left and right LED cable(s) are connected to the corresponding LED ring module(s).



2. Align and install the LED ring module(s), then secure the LED ring module(s) using the screw(s) you removed earlier.
3. Install the components you removed in the *Before you begin* section.



Speakers



Before you begin

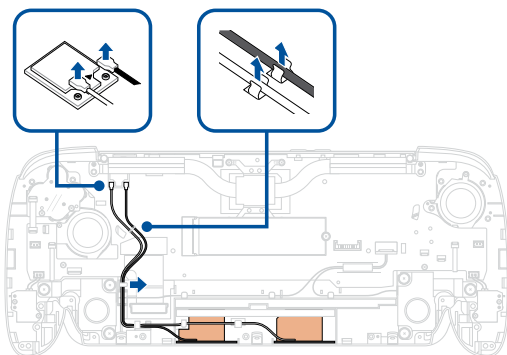
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks

Screw list

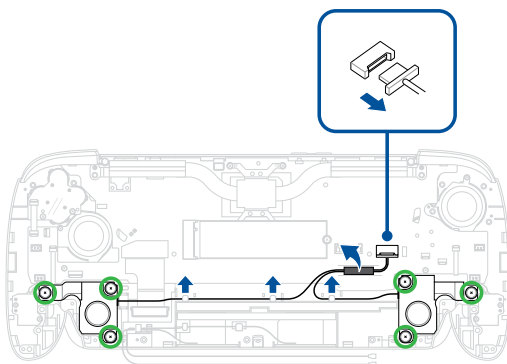
- ⊕ M1.6 X 2.5L (6pcs)

Removal

1. Disconnect the antenna cable(s) from the WLAN module.
2. Remove the antenna cable(s) from the cable guide(s).



3. Remove the screw(s).
4. Remove the tape.
5. Disconnect the speaker cable and remove the cable from the cable guide(s).
6. Remove the speakers.

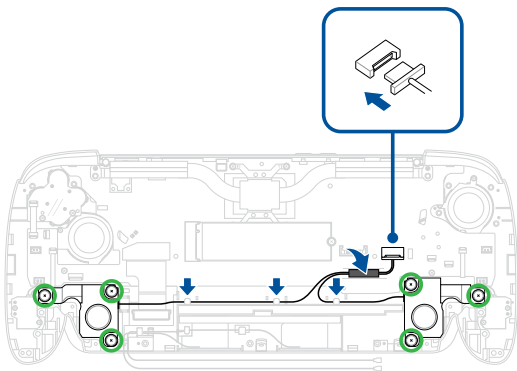


Installation

1. Install the speakers.
2. Route the speaker cable through the cable guide(s).

IMPORTANT! Damage may occur if cables are not properly routed through the cable guides. Confirm that all cables are routed through each of the indicated cable guides before proceeding.

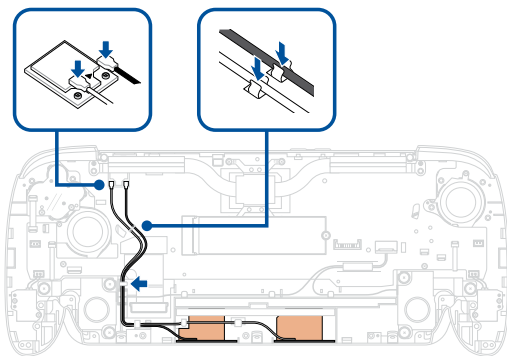
3. Connect the speaker cable, then attach the tape.
4. Secure the speakers using the screw(s) you removed earlier.



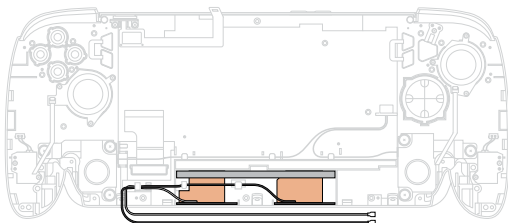
5. Route the antenna cable(s) through the cable guide(s).

IMPORTANT! Damage may occur if cables are not properly routed through the cable guides. Confirm that all cables are routed through each of the indicated cable guides before proceeding.

6. Connect the antenna cable(s) to the WLAN module .
7. Install the components you removed in the *Before you begin* section.



Antenna cables

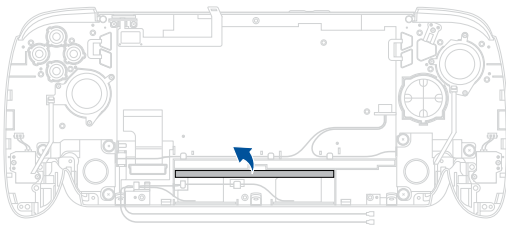


Before you begin

1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module
 - Heat sink and motherboard

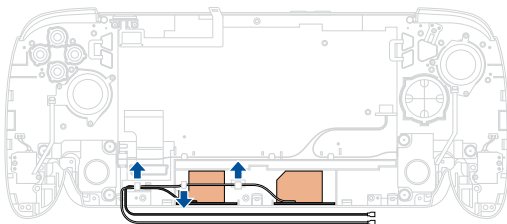
Removal

1. Remove the sponge.



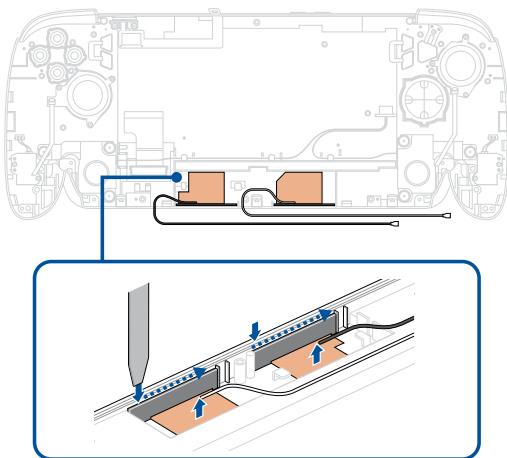
2. Pull out the antenna cable(s) from the cable guide(s).

IMPORTANT! The antenna cable(s) cannot be reused once removed.



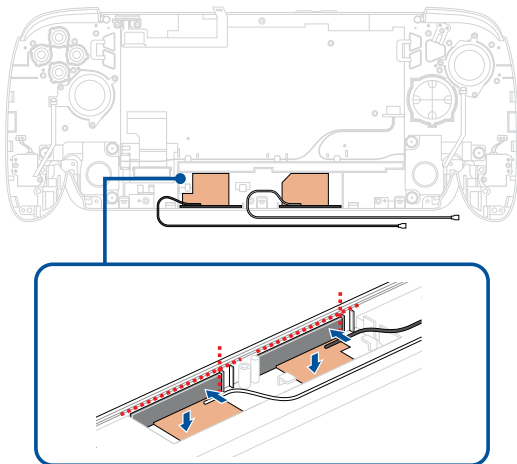
3. Pry and remove the antenna cable(s) as shown in the illustration below.

IMPORTANT! The antenna cable(s) cannot be reused once removed.



Installation

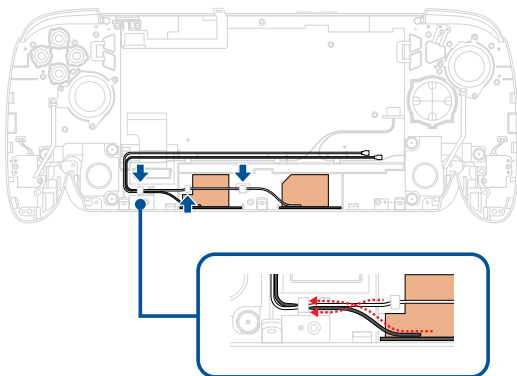
1. Align and install the antenna cable(s).



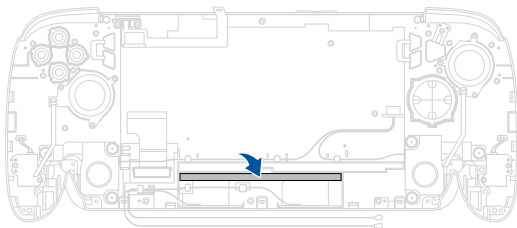
2. Route the antenna cable(s) through the cable guide(s).

IMPORTANT!

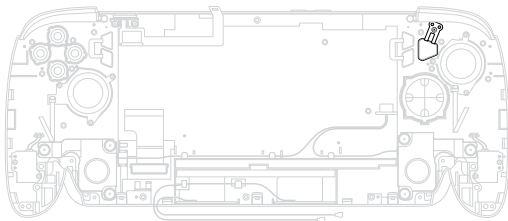
- Arrange the cables as the red arrows indicated in the illustration below. Ensure the white cable stays on the the left side.
 - Damage may occur if cables are not properly routed through the cable guides. Confirm that all cables are routed through each of the indicated cable guides before proceeding.
-



3. Align and attach the sponge.
4. Install the components you removed in the *Before you begin* section.



Xbox button



Before you begin

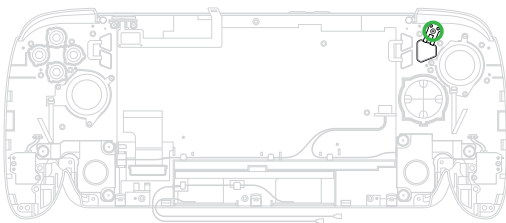
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module
 - Heat sink and motherboard

Screw list

- ⊕ M1.6 X 3.0L (1pc)

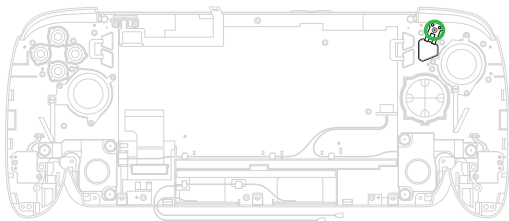
Removal

Remove the screw, then remove the Xbox button.

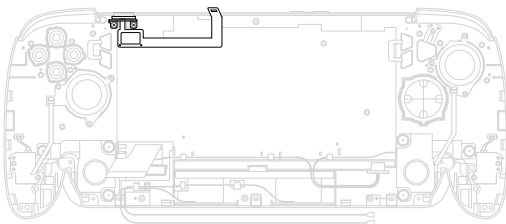


Installation

Secure the Xbox button using the screw you removed earlier.



Power button/Fingerprint reader module



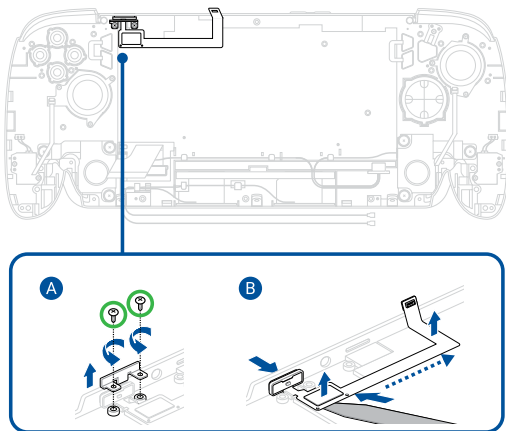
1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module
 - Heat sink and motherboard

Screw list

- ⊕ M1.6 X 3.0L (2pcs)

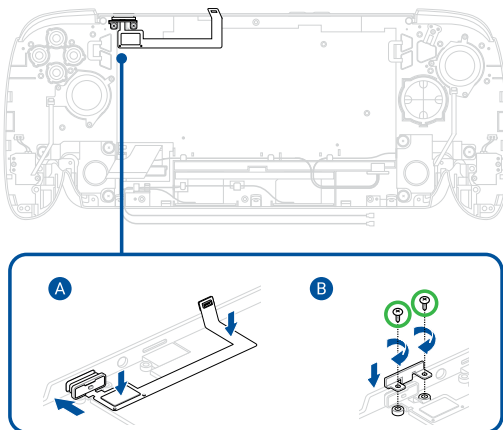
Removal

1. Remove the screw(s), then remove the power button/fingerprint reader bracket.
2. Use the plastic blade to carefully pry up the cable, then remove the power button/fingerprint reader module.

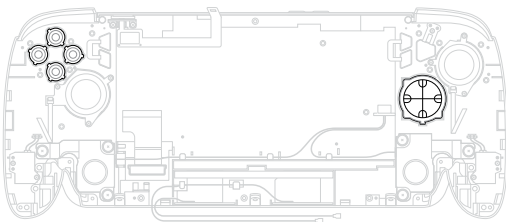


Installation

1. Align and install the power button/fingerprint reader module.
2. Secure the power button/fingerprint reader bracket using the screw(s) you removed earlier.
3. Install the components you removed in the *Before you begin* section.



D-pad and A/B/X/Y buttons

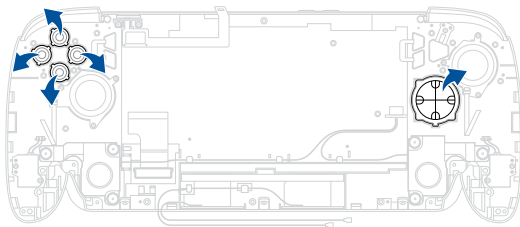


Before you begin

1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Analog sticks
 - Trigger button module
 - A/B/X/Y button board
 - Heat sink and motherboard

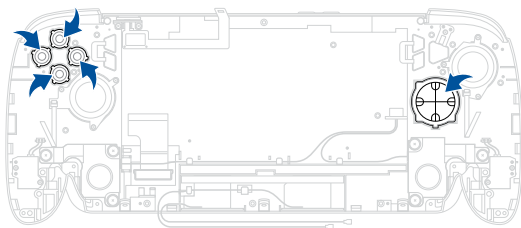
Removal

Remove the D-pad and A/B/X/Y buttons.

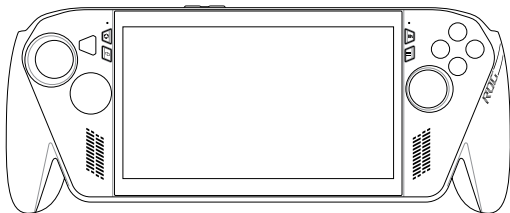


Installation

1. Align and install the D-pad and A/B/X/Y buttons in the orientation shown in the illustration below.
2. Install the components you removed in the *Before you begin* section.



Top cover



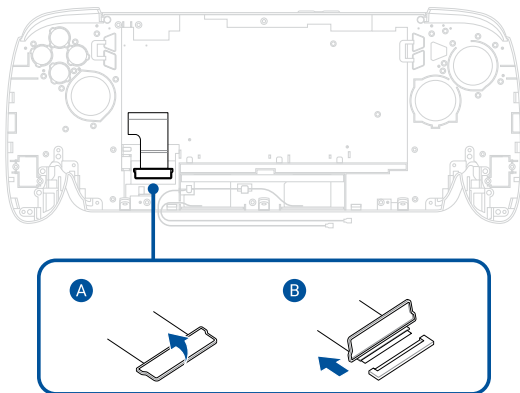
Before you begin

1. Read the **Safety Precautions** and **Pre-repair Checklist**.
2. Remove the bottom cover and disconnect the battery power cable.
3. Remove the following components:
 - Battery
 - Fan module
 - M.2 SSD module
 - Haptic motors
 - Analog sticks
 - Trigger button module
 - A/B/X/Y button board
 - Heat sink and motherboard
 - LED ring module

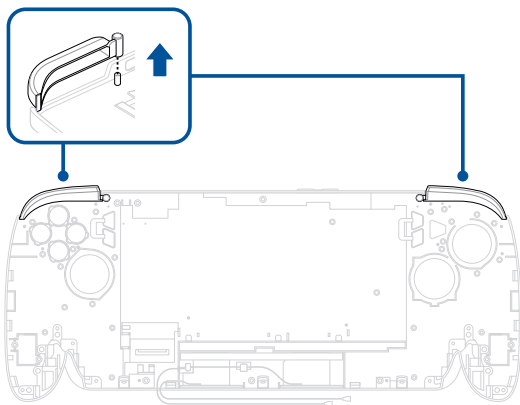
- Speakers
- Antenna cables
- Xbox button
- Power button/Fingerprint reader module
- D-pad and A/B/X/Y buttons

Removal

1. Disconnect the eDP cable.

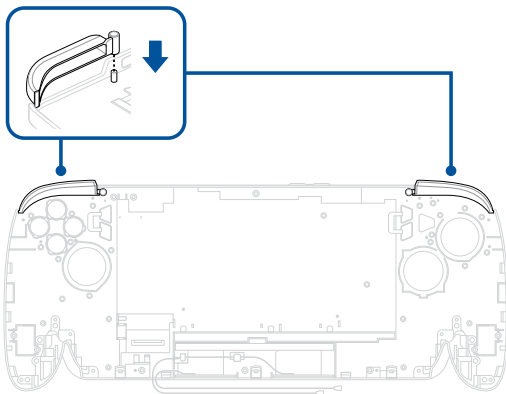


2. Remove the left and right bumpers.

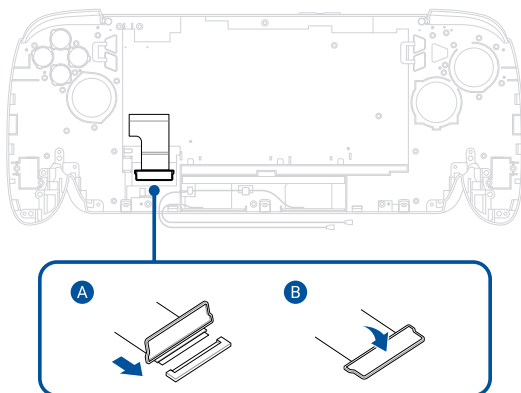


Installation

1. Align and install left and right bumpers.



2. Connect the eDP cable.
3. Install the components you removed in the *Before you begin* section.



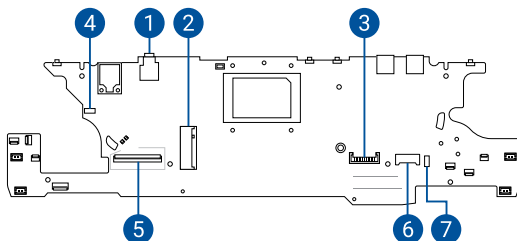
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Appendices

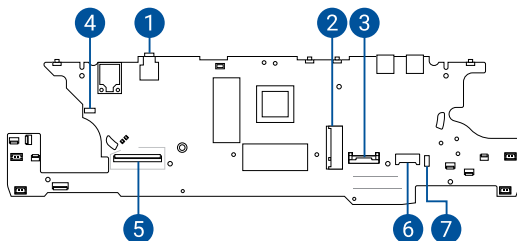
Wiring and connection diagrams

Top View

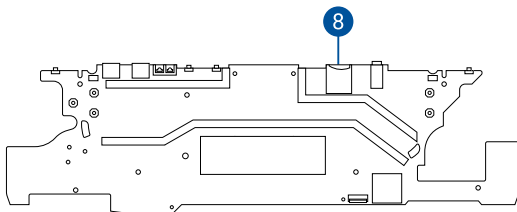
RC73XA



RC73YA



Bottom View



- | | |
|----------------------|----------------------|
| 1. Audio connector | 5. LVDS connector |
| 2. SSD connector | 6. Speaker connector |
| 3. Battery connector | 7. Fan connector |
| 4. Fan connector | 8. microSD card slot |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.