

Alienware 34 240Hz Gaming Monitor

AW3426DWM

Teardown Instructions

Notes, cautions, and warnings

- ① **NOTE:** A NOTE indicates important information that helps you make better use of your product.
- △ **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
- ⚠ **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Safety instructions

Use the following safety guidelines to protect your monitor from potential damage and to ensure your personal safety. Unless otherwise noted, each procedure included in this document assumes that you have read the safety information that is shipped with your monitor.

① **NOTE:** Before using the monitor, read the safety information that is shipped with your monitor and is printed on the product. Keep the documentation at a secure location for future reference.

⚠ **WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.**

⚠ **CAUTION: The possible long-term effect of listening to audio at high volume through the headphones (on a monitor that supports it) may cause damage to your hearing ability.**

- Place the monitor on a solid surface and handle it carefully.
 - The screen is fragile and can be damaged if dropped or hit with a sharp object.
 - Ensure that your monitor is electrically rated to operate with the AC power available in your location.
 - Keep the monitor at room temperature. Excessive cold or hot conditions can have an adverse effect on the liquid crystal of the display.
 - Connect the power cable from the monitor to a wall outlet that is near and accessible. See [Connecting your monitor](#).
- Do not place and use the monitor on a wet surface or near water.
- Do not subject the monitor to severe vibration or high impact conditions. For example, do not place the monitor inside a car trunk.
- Unplug the monitor when it is going to be left unused for an extended period.
- To avoid electric shock, do not attempt to remove any cover or touch the inside of the monitor.
- Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.
- Certain monitors can be wall mounted using the VESA mount that is purchased separately. Ensure to use the correct VESA specifications as mentioned in the wall-mounting section of the User's Guide.

For information on safety instructions, see the Safety, Environmental and Regulatory Information (SERI) document that is shipped with your monitor.

Before working inside your monitor

Steps

1. Save and close all open files and exit all open applications.
2. Turn off your monitor.
3. Disconnect your monitor and all attached devices from their electrical outlets.
4. Disconnect all attached network devices and peripherals, such as keyboard, mouse, and dock from your monitor.
 - ⚠ **CAUTION: To disconnect a network cable, first unplug the cable from your monitor and then unplug the cable from the network device.**
5. Remove any media card and optical disc from your monitor, if applicable.

After working inside your monitor

⚠ **CAUTION: Leaving stray or loose screws inside your monitor may severely damage your monitor.**

Steps

1. Replace all screws and ensure that no stray screws remain inside your monitor.
2. Connect any external devices, peripherals, or cables you removed before working inside your monitor.
3. Replace any media cards, discs, or any other parts that you removed before working inside your monitor.
4. Connect your monitor and all attached devices to the respective electrical outlets.
5. Turn on your monitor.

Disassembly and reassembly

△ **CAUTION:** The information in this section is intended for authorized service technicians in the EMEA region. Dell prohibits users from disassembling the monitor, and any damage that is caused by unauthorized servicing is not covered under the warranty.

Recommended tools

The procedures in this document may require the following tools:

- Screwdriver (Phillips-head, Hexagonal head)
- Plastic scribe

Screw list

- ① **NOTE:** When removing screws from a component, note the screw type and quantity. Then place the screws in a screw storage box. This practice ensures that the correct number of screws and the correct screw type are restored when the component is replaced.
- ① **NOTE:** Some computers have magnetic surfaces. Ensure that the screws are not left attached to such surfaces when replacing a component.
- ① **NOTE:** Screw color may vary with the configuration ordered.

Table 1. Screw list.

Component	Screw types	Quantity	Screw image
Back cover	M4x10	4	
I/O board	Q3x6	2	
	M3x4	2	
Joystick-button board	Q3x6	2	
Metal shield	M3x4	4	
System board	M3x6	4	
Power board	M3x6	3	
	M4x6	1	
Converter board	M3x6	2	
Middle frame	M3x4	10	

Component	Screw types	Quantity	Screw image
Front trim	Q2x3	9	
Power-button board	Q2x2	2	

Stand

Removing the stand

Prerequisites

Follow the procedure in [Before working inside your monitor.](#)

About this task

The following image indicates the location of the stand and provides a visual representation of the removal procedures.

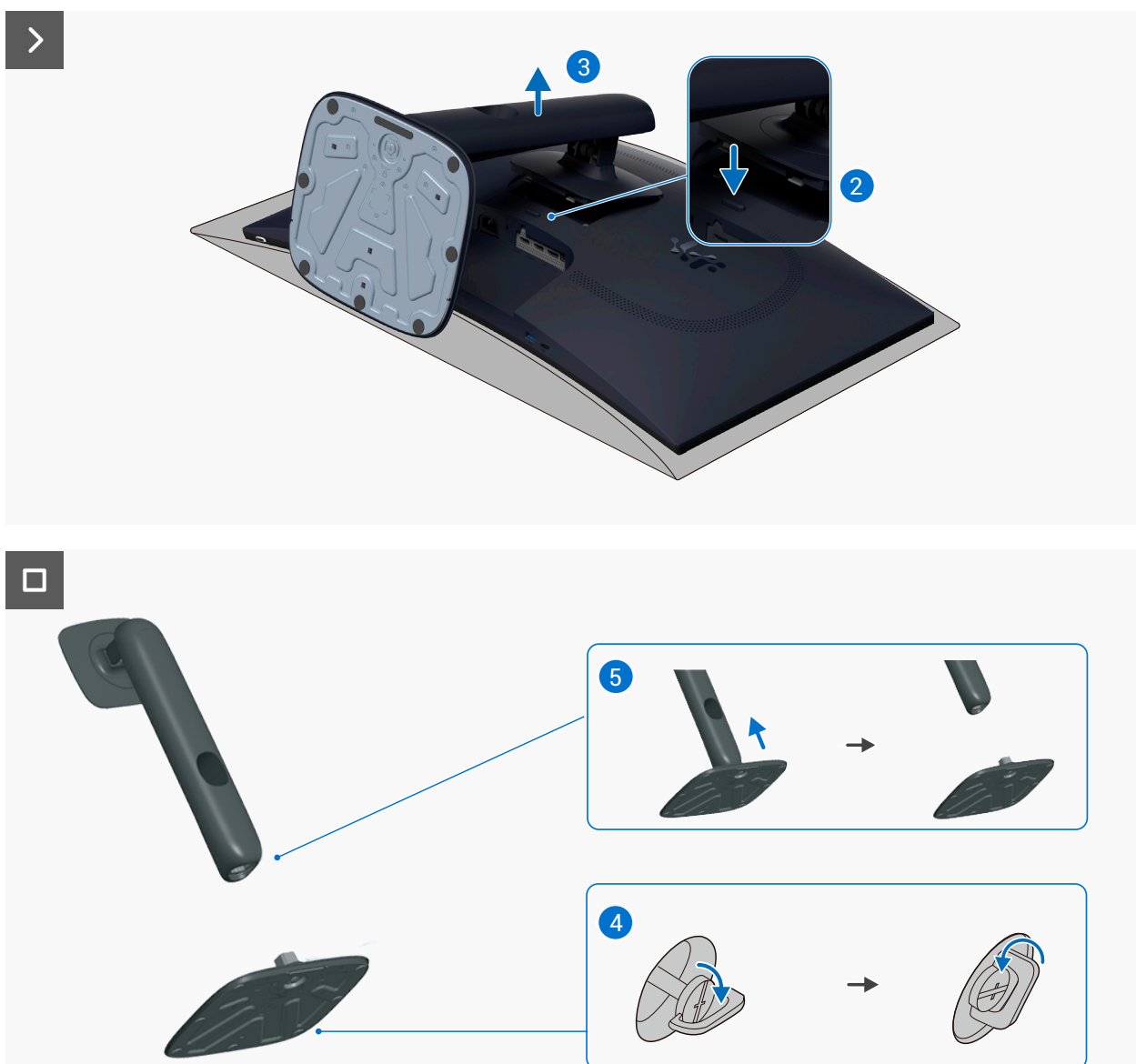


Figure 1. Removing the stand

Steps

1. Place the monitor on a clean, curved foam pad.
2. Press and hold the stand release button at the back of the display.
3. Lift the stand assembly away from the monitor.
4. Open the screw handle at the bottom of the stand base, and rotate it counterclockwise to release it from the stand riser.
5. Lift the stand riser away from the stand base.

Installing the stand

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the stand and provides a visual representation of the installation procedures.



Figure 2. Installing the stand

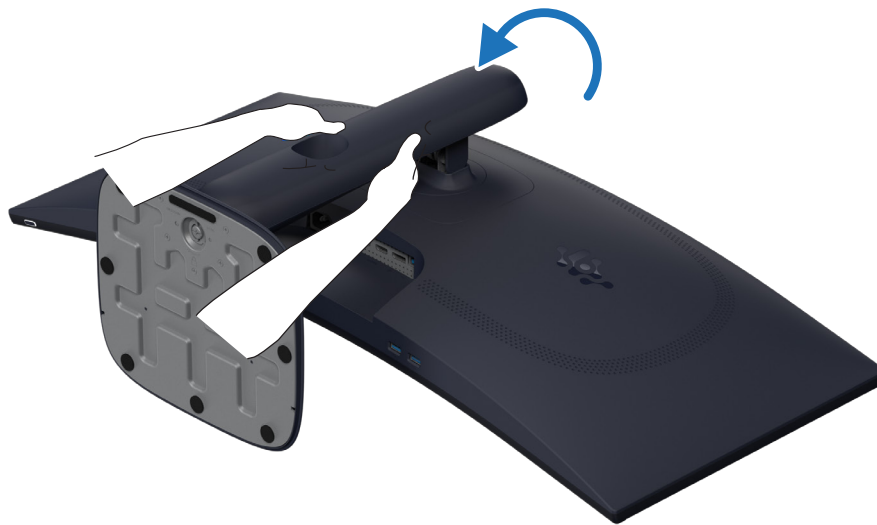


Figure 3. Installing the stand

Steps

1. Align and place the stand riser on the stand base.
 2. Open the screw handle at the bottom of the stand base, and turn it clockwise to secure the stand assembly.
 3. Close the screw handle.
 4. Fit the two tabs on the upper part of the stand to the groove on the back of the display.
 5. Press the stand down till it snaps into place.
 6. Hold the stand riser and lift the monitor carefully, then place it on a flat surface.
- △ **CAUTION: Hold the riser firmly and lift the monitor slowly with both hands to prevent it from slipping or falling.**

Next Steps

Follow the procedure in [After working inside your monitor.](#)

Back cover

Removing the back cover

Prerequisites

1. Follow procedure in [Before working inside your monitor.](#)
2. Remove the [stand](#).

About this task

The following image indicates the location of the back cover and provides a visual representation of the removal procedures.



Figure 4. Removing the back cover

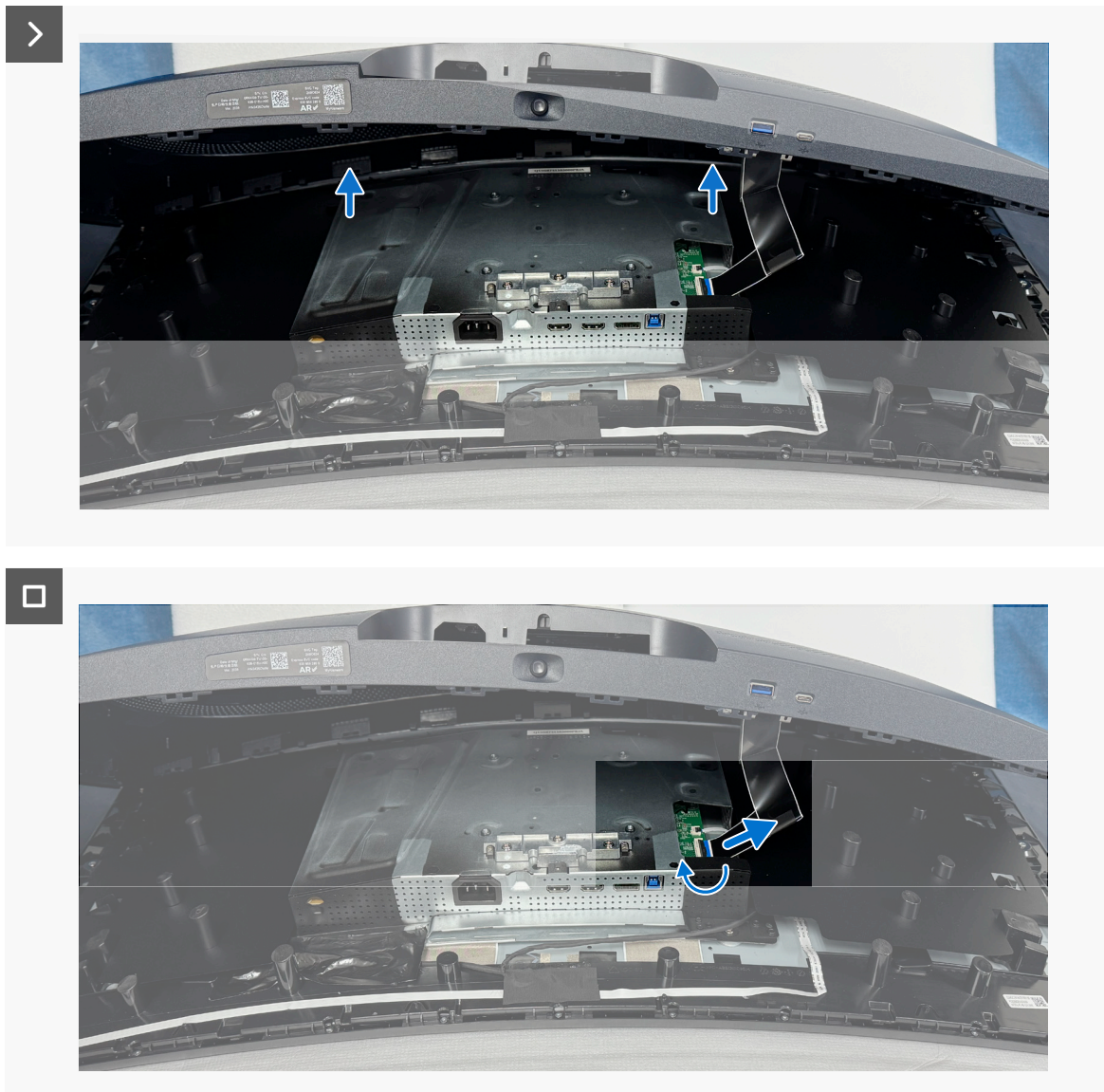


Figure 5. Removing the back cover

Steps

1. Remove the four screws (M4x10) that secure the back cover to the display assembly.
2. Using a plastic scribe, pry open the back cover starting from the bottom edge of the monitor.
3. Partially lift the back cover from the bottom edge, open the latch, and disconnect the I/O board cable from the connector on the system board.
4. Lift and remove the back cover away from the monitor.

Installing the back cover

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the back cover and provides a visual representation of the installation procedures.



4x
M4x10

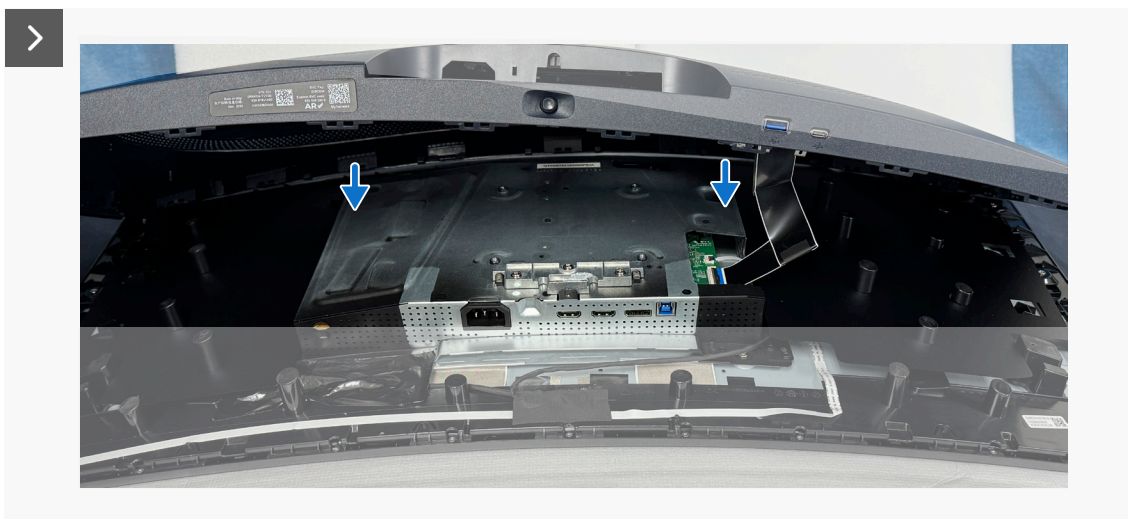
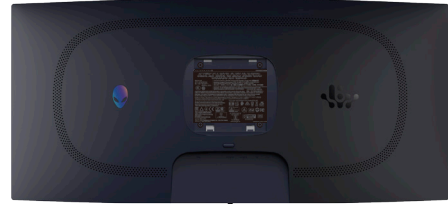


Figure 6. Installing the back cover



Figure 7. Installing the back cover

Steps

1. Slide the I/O board cable into the connector on the system board, and close the latch to secure the cable.
 2. Align the screw holes on the back cover with the screw holes on the metal shield, and gently press along the sides to snap the back cover into place.
 3. Replace the four screws (M4x10) to secure the back cover to the display assembly.
- ① **NOTE:** Before applying pressure, ensure that the back cover is properly aligned with the chassis.

Next Steps

1. Install the [stand](#).
2. Follow the procedure in [After working inside your monitor](#).

I/O board and joystick-button board

Removing the I/O board and joystick-button board

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)

About this task

The following image indicates the location of the I/O board and joystick-button board and provides a visual representation of the removal procedures.

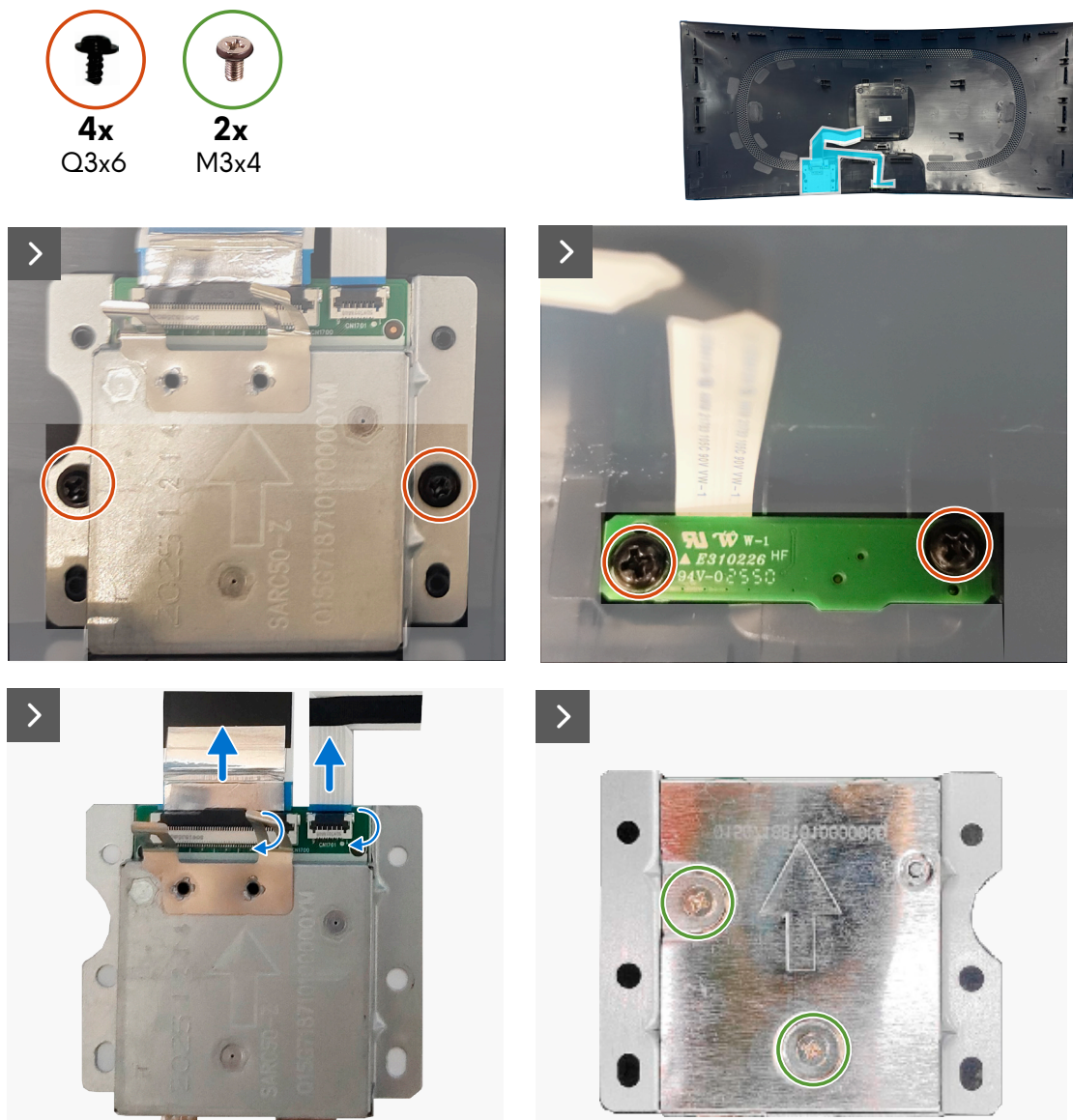


Figure 8. Removing the I/O board and joystick-button board



Figure 9. Removing the I/O board and joystick-button board

Steps

1. Remove the two screws (Q3x6) that secure the I/O board assembly to the back cover.
2. Remove the two screws (Q3x6) that secure the joystick-button board to the back cover.
3. Remove the I/O board assembly and joystick-button board from the back cover.
4. Open the latches, and disconnect the I/O board cable and joystick-button board cable from the connectors on the I/O board.
5. Remove the two screws (M3x4) that secure the I/O board shield to the I/O board bracket.
6. Remove the I/O board shield and I/O board from the I/O board bracket.
7. Open the latch, and disconnect the joystick-button board cable from the connector on the joystick-button board.

Installing the I/O board and joystick-button board

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the I/O board and joystick-button board and provides a visual representation of the installation procedures.

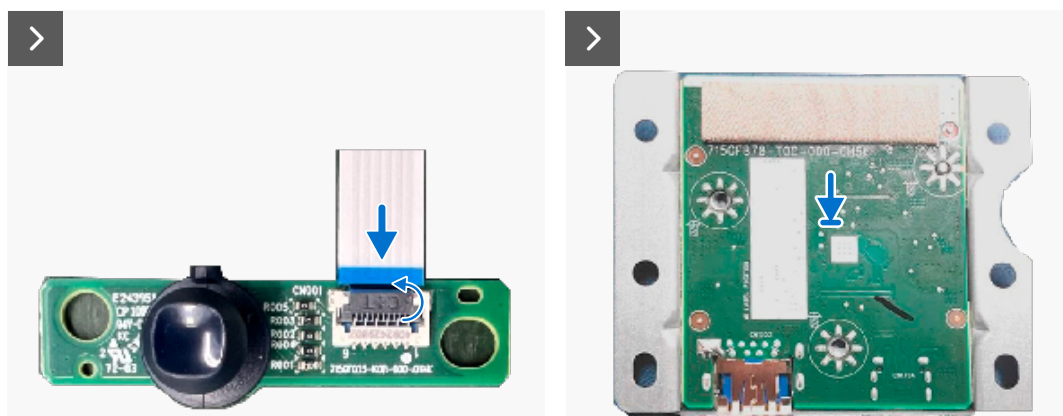
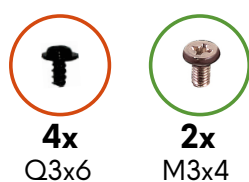


Figure 10. Installing the I/O board and joystick-button board

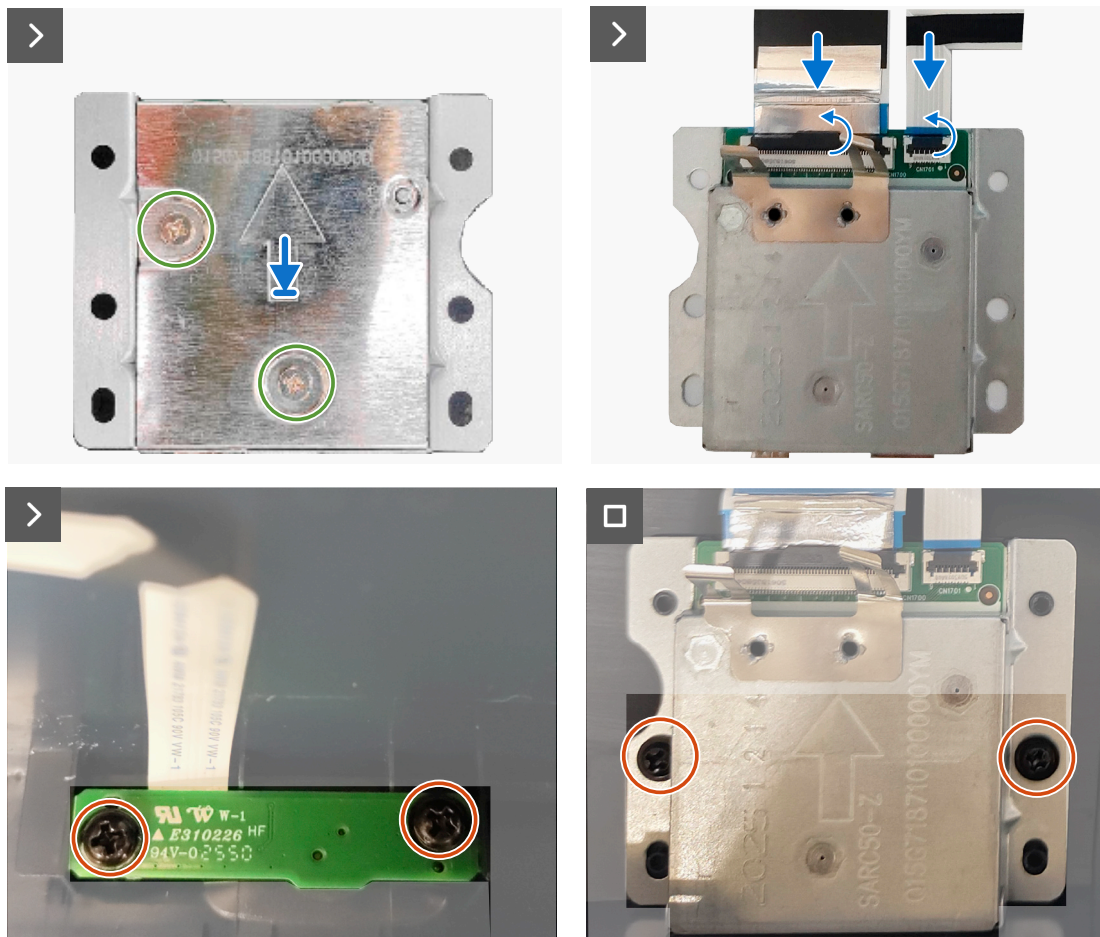


Figure 11. Installing the I/O board and joystick-button board

Steps

1. Slide the joystick-button board cable into the connector on the joystick-button board, and close the latch to secure the cable.
2. Align the screw holes on the I/O board with the screw holes on the I/O board bracket.
3. Align the screw holes on the I/O board shield with the screw holes on the I/O board bracket.
4. Replace the two screws (M3x4) to secure the I/O board shield to the I/O board bracket.
5. Slide the I/O board cable and joystick-button board cable into the connectors on the I/O board, and close the latches to secure the cables.
6. Align the screws holes on the I/O board and joystick-button board with the screw holes on the back cover.
7. Replace the two screws (Q3x6) to secure the joystick-button board to the back cover.
8. Replace the two screws (Q3x6) to secure the I/O board assembly to the back cover.

Next Steps

1. Install the [back cover](#).
2. Install the [stand](#).
3. Follow the procedure in [After working inside your monitor](#).

Metal shield

Removing the metal shield

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand](#).
3. Remove the [back cover](#).

About this task

The following image indicates the location of the metal shield and provides a visual representation of the removal procedures.

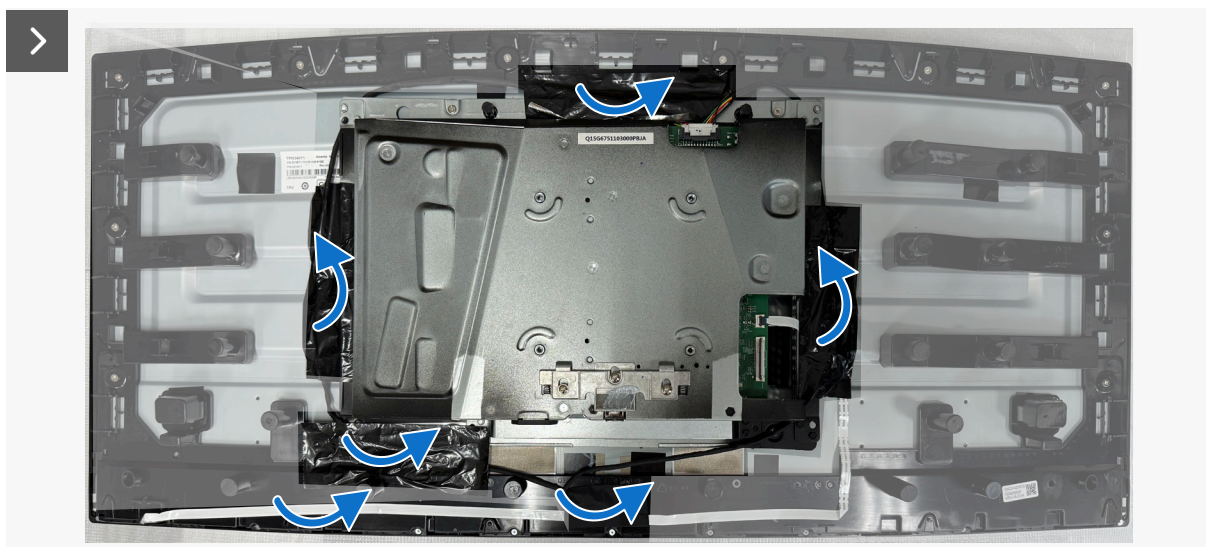
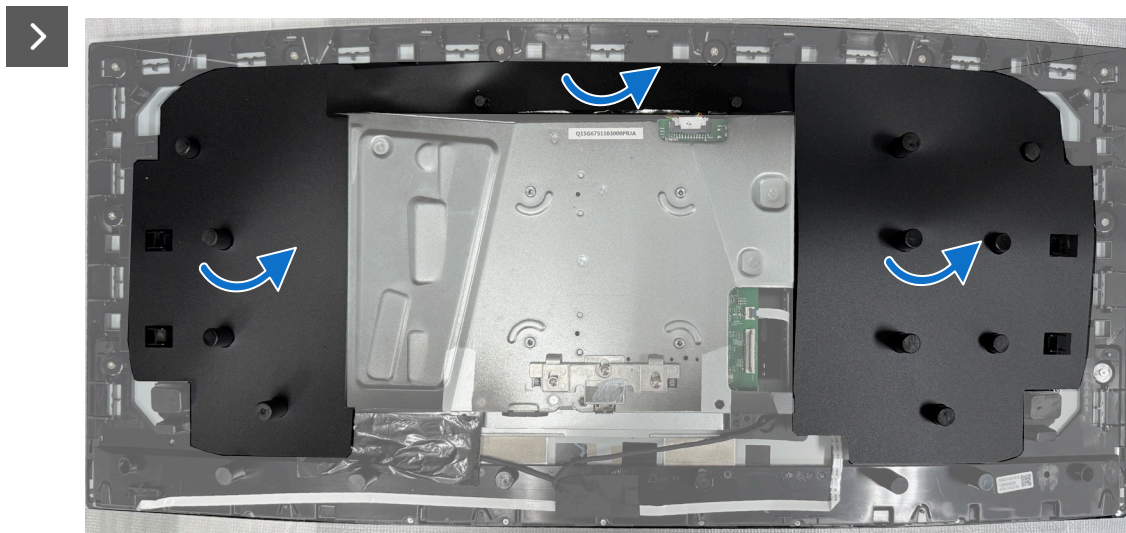
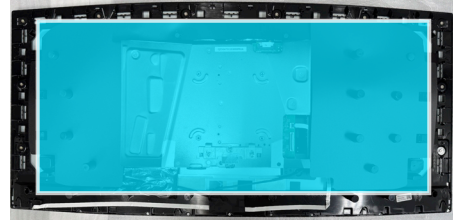


Figure 12. Removing the metal shield

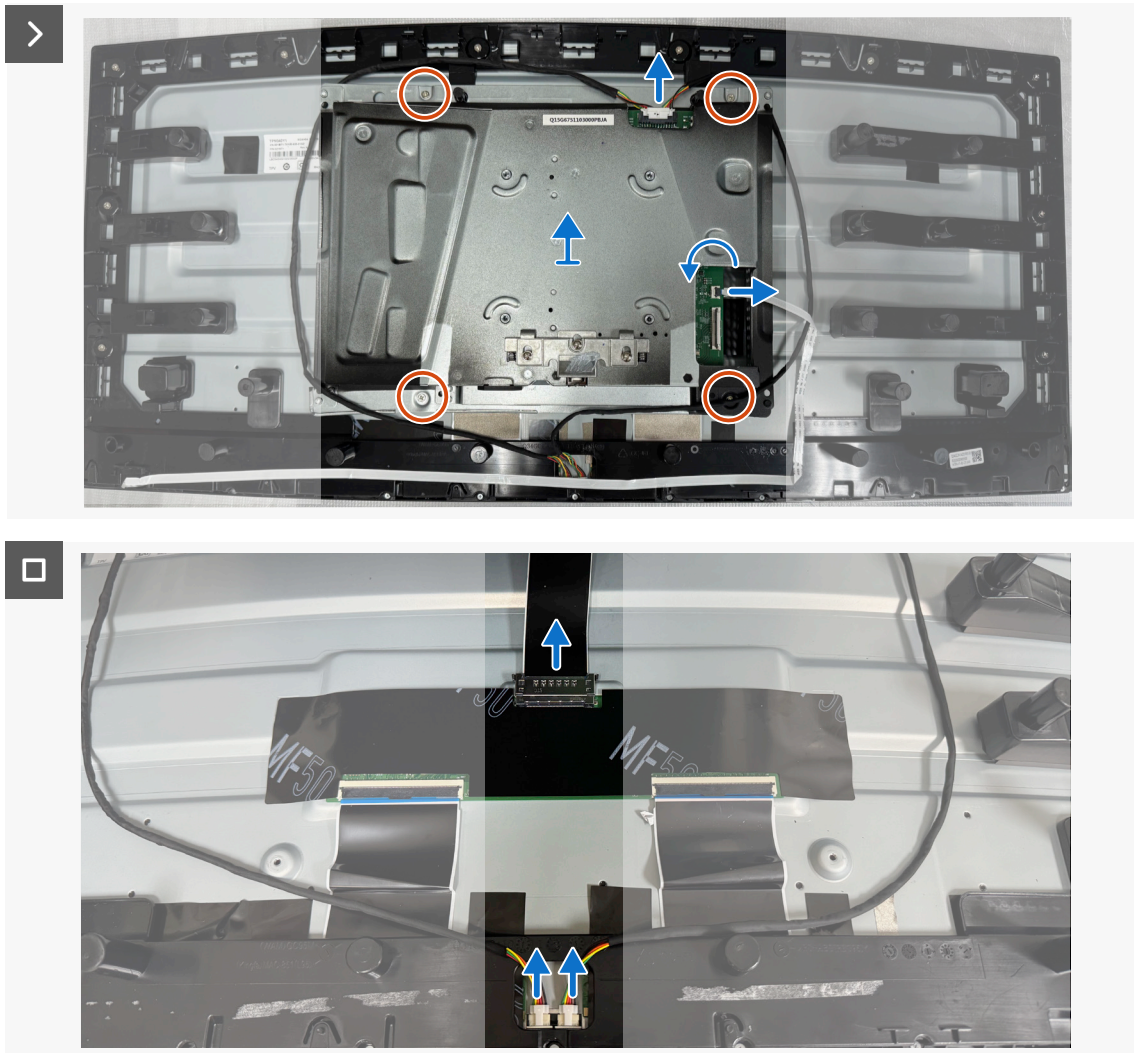


Figure 13. Removing the metal shield

Steps

1. Remove the Mylar sheet from the display panel.
2. Peel the aluminum foil that secure the metal shield, lightbar cables, and power-button board cable to the display panel.
3. Peel the double-sided tape that secure the power-button board cable to the display panel.
4. Open the latch, and disconnect the power-button board cable from the connector on the system board.
5. Peel the tape that secure the lightbar cables to the display panel.
6. Disconnect the lightbar cables from the connectors on the display panel.
7. Remove the four screws (M3x4) that secure the metal shield to the display panel.
8. Lift the metal shield partially and disconnect the display cable from the connector on the display panel.

Installing the metal shield

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the metal shield and provides a visual representation of the installation procedure.

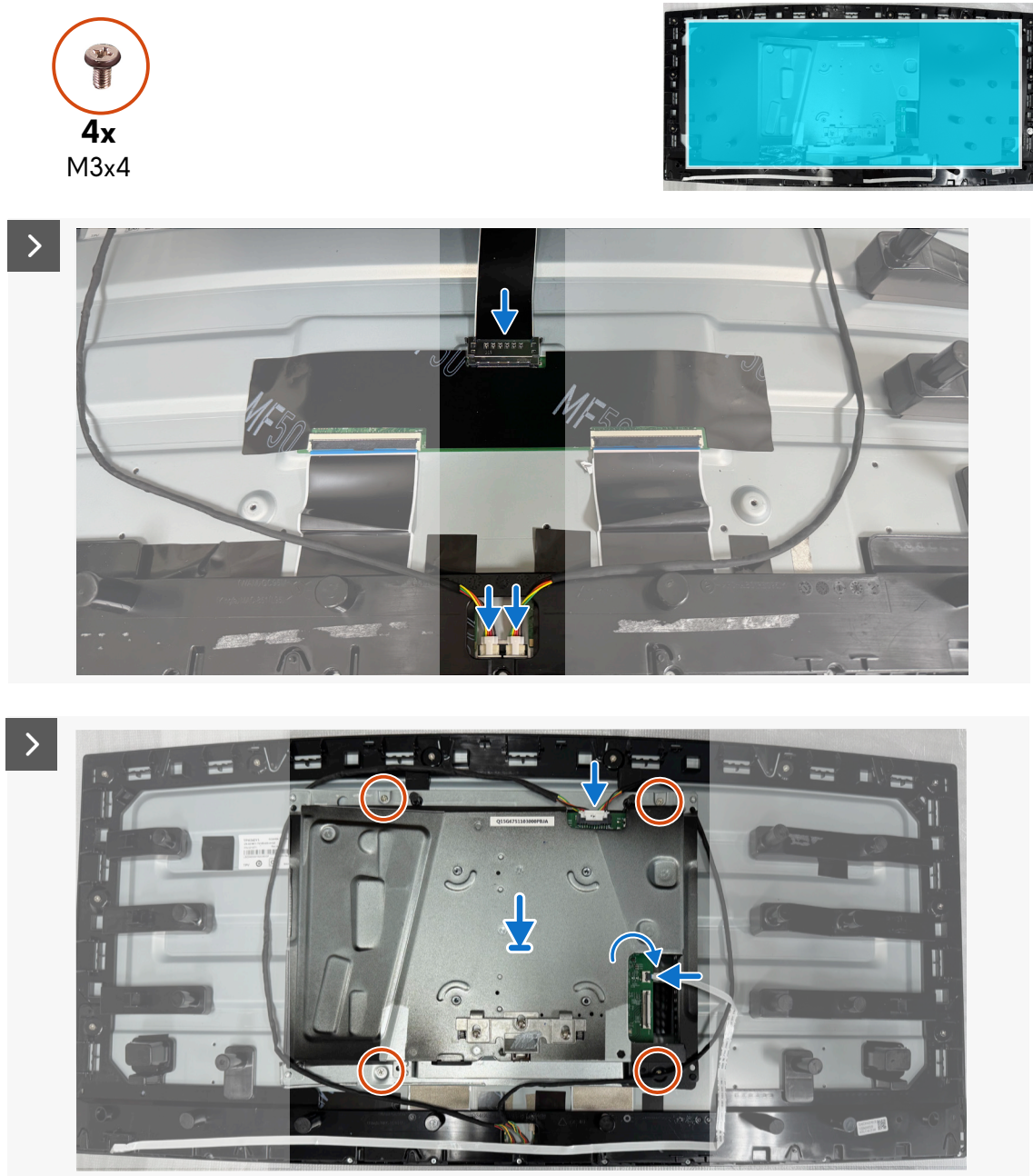


Figure 14. Installing the metal shield

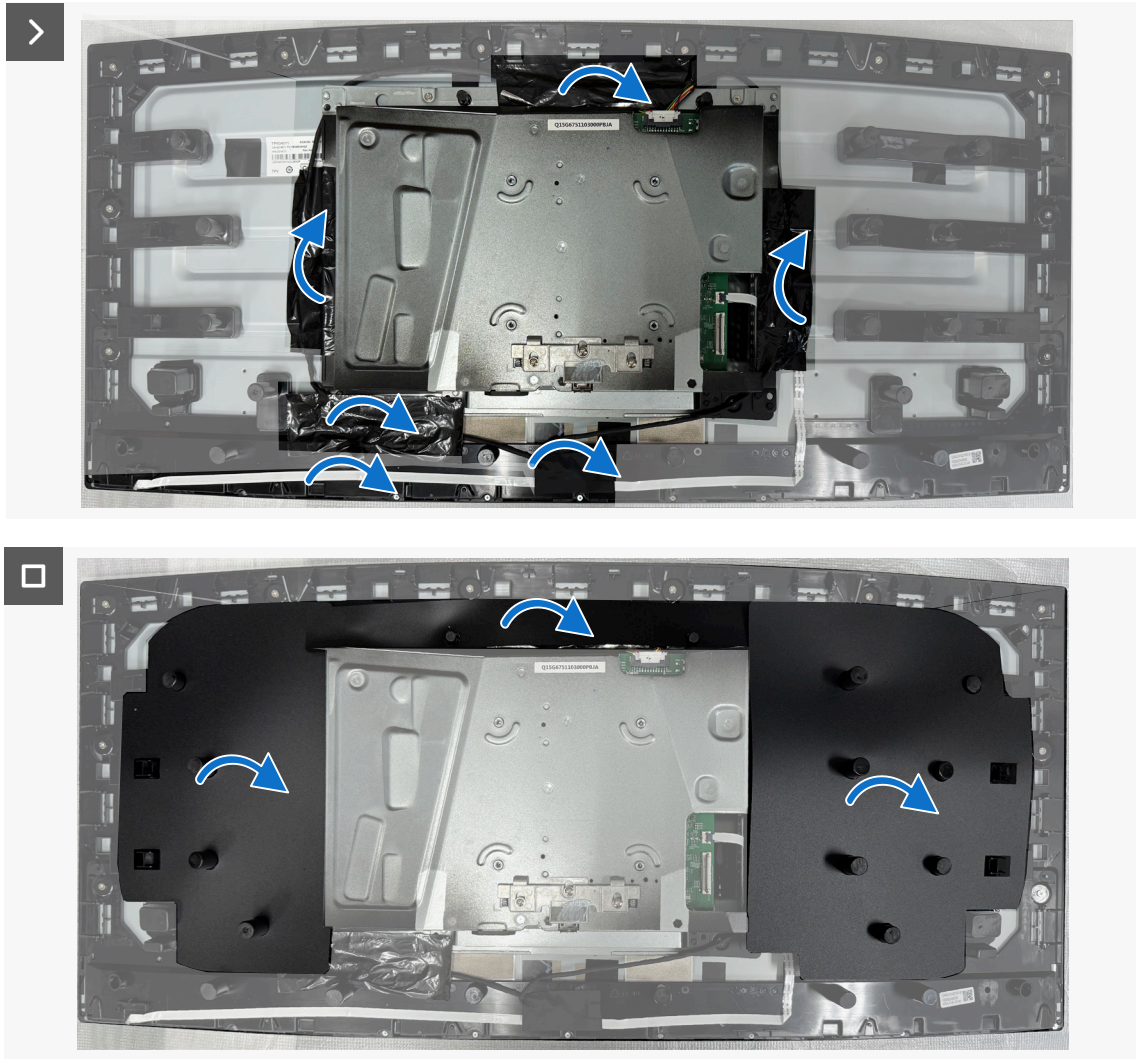


Figure 15. Installing the metal shield

Steps

1. Lift the metal shield partially and connect the display cable to the connector on the display panel.
2. Align the screw holes on the metal shield with the screw holes on the display panel.
3. Replace the four screws (M3x4) to secure the metal shield to the display panel.
4. Connect the lightbar cables to the connectors on the system board.
5. Adhere the tape to secure the lightbar cables to the display panel.
6. Slide the power-button board cable into the connector on the system board, and close the latch to secure the cable.
7. Adhere the double-sided tape to secure the power-button board cable to the display panel.
8. Adhere the aluminum foil to secure the metal shield, lightbar cables, and power-button board cable to the display panel.
9. Place the Mylar sheet on the display panel.

Next steps

1. Install the [back cover](#).
2. Install the [stand](#).
3. Follow the procedure in [After working inside your monitor](#).

System board, power board and converter board

Removing the system board, power board and converter board

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Removing the [metal shield.](#)

About this task

The following image indicates the location of the system board, power board and converter board, and provides a visual representation of the removal procedures.

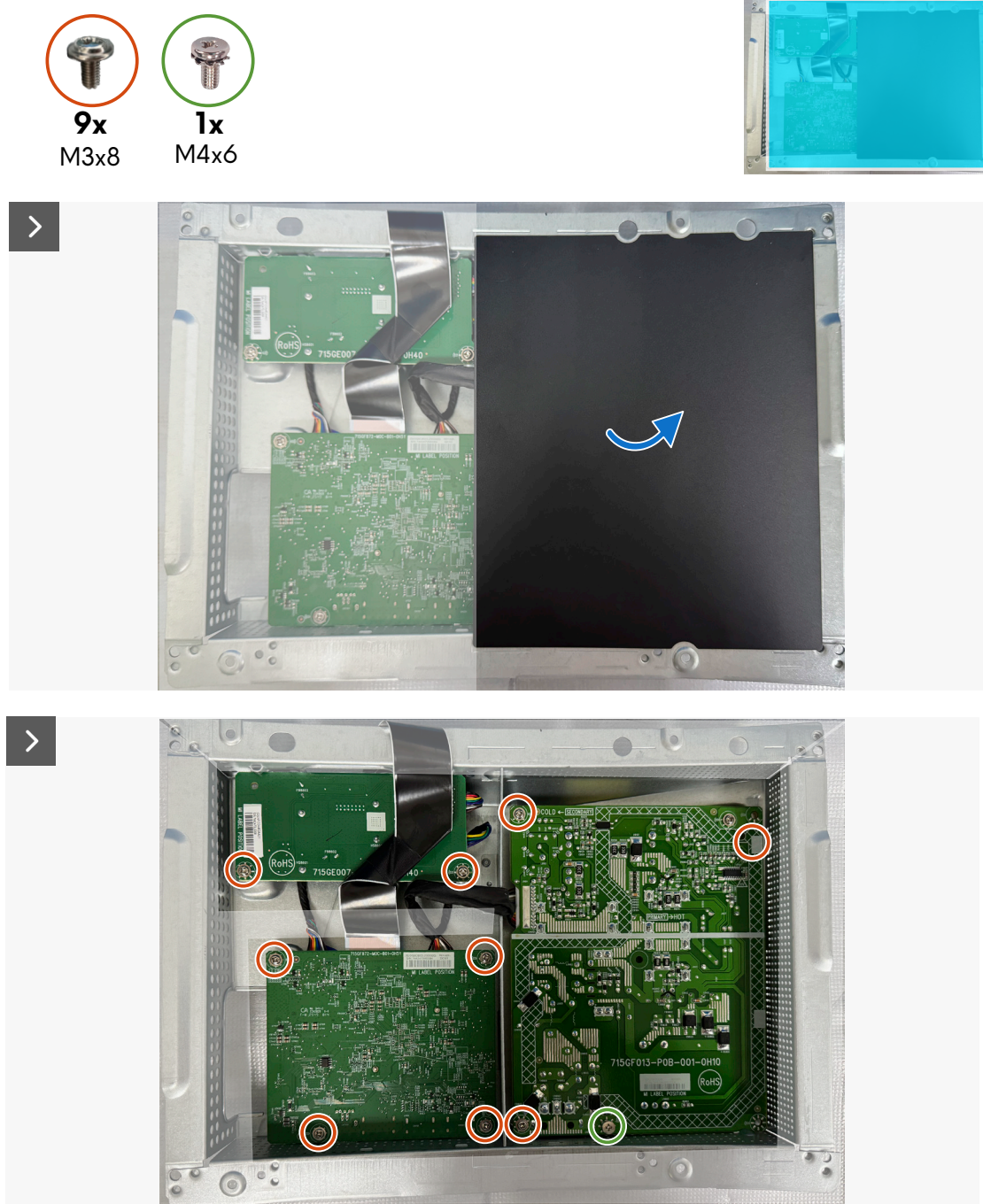


Figure 16. Removing the system board, power board and converter board

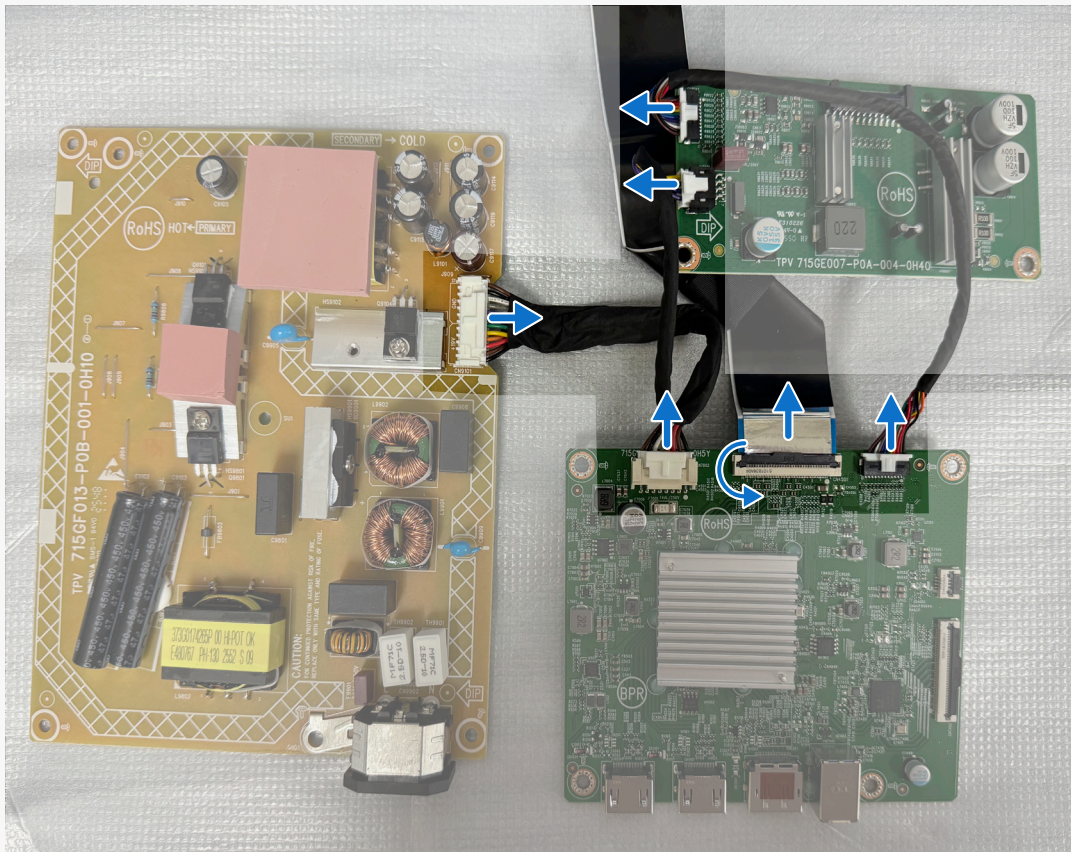


Figure 17. Removing the system board, power board and converter board

Steps

1. Remove the Mylar sheet from the power board.
2. Remove the nine screws (M3x6) and the screw (M4x6) that secure the system board, power board and converter board to the metal shield.
3. Remove the system board, power board and converter board from the metal shield.
4. Disconnect the cables from the connectors on the system board, power board and converter board.

Installing the system board, power board and converter board

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the system board, power board and converter board, and provides a visual representation of the installation procedures.

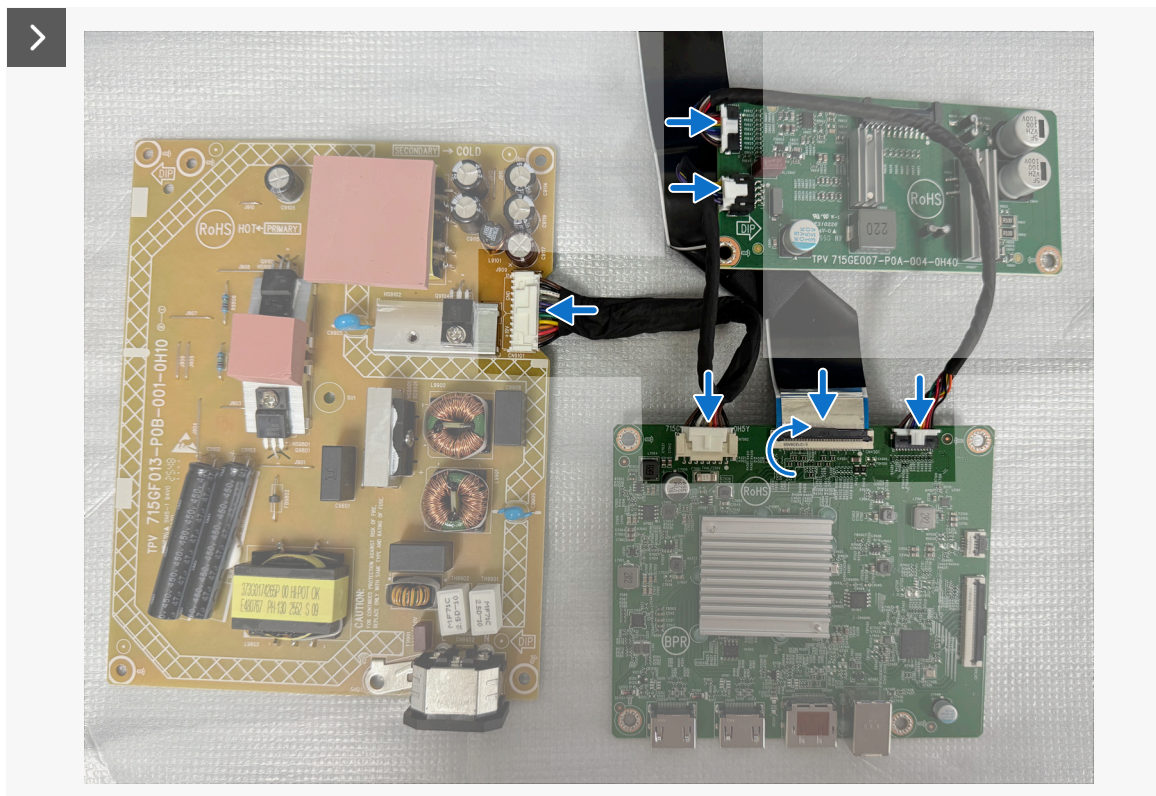
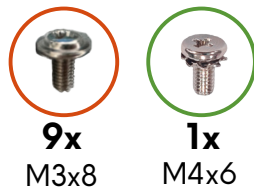


Figure 18. Installing the system board, power board and converter board

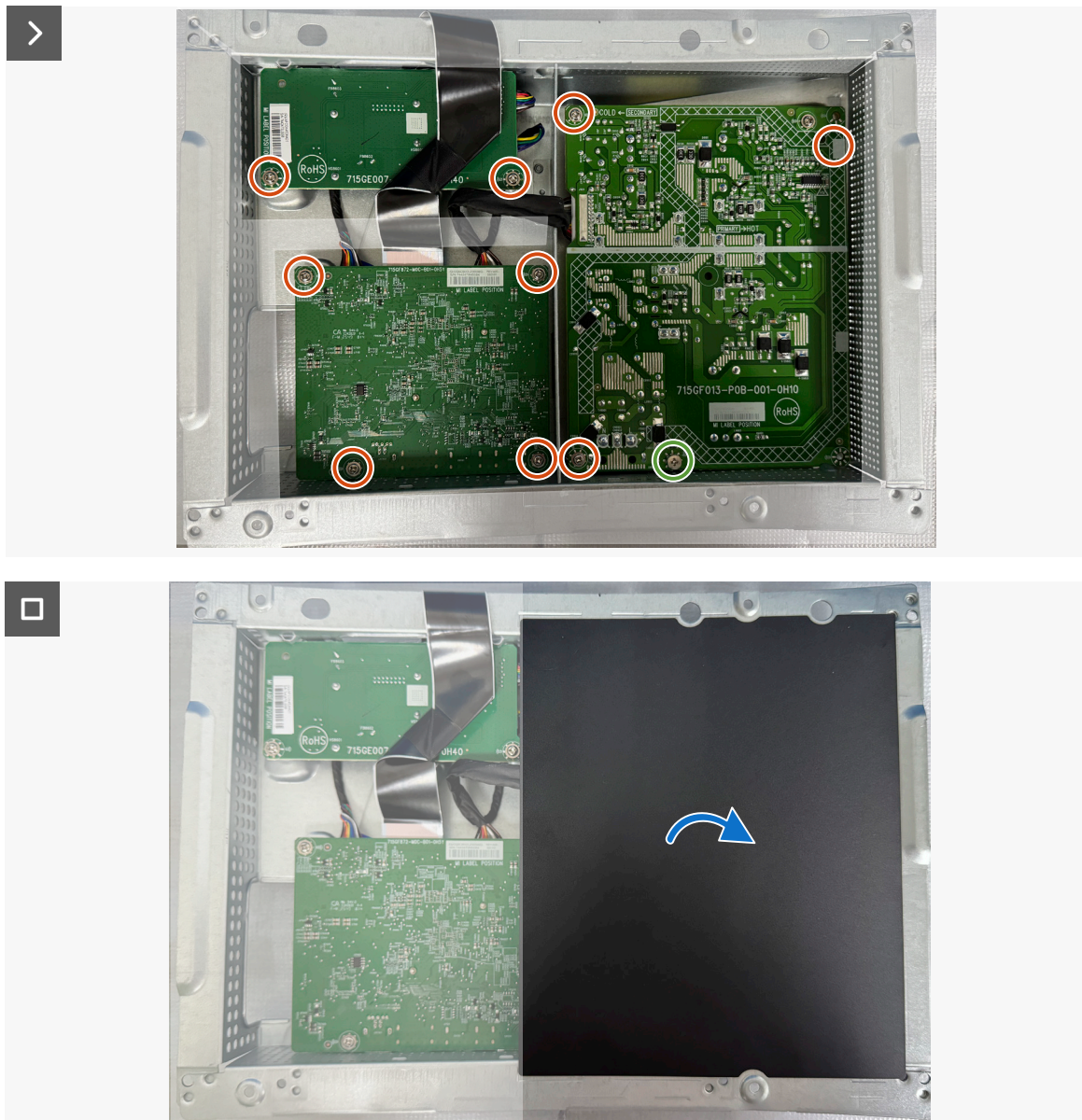


Figure 19. Installing the system board, power board and converter board

Steps

1. Connect the cables to the connectors on the system board, power board and converter board.
2. Align the screw holes on the system board, power board and converter board with the screw holes on the metal shield.
3. Replace the nine screws (M3x6) and the screw (M4X6) to secure the system board, power board and converter board to the metal shield.
4. Place the Mylar sheet on the power board.

Next steps

1. Install the [metal shield](#).
2. Install the [back cover](#).
3. Install the [stand](#).
4. Follow the procedure in [After working inside your monitor](#).

Middle frame

Removing the middle frame

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand](#).
3. Remove the [back cover](#).
4. Removing the [metal shield](#).

About this task

The following image indicates the location of the middle frame and provides a visual representation of the removal procedures.



10x
M3x4



Figure 20. Removing the middle frame

Steps

1. Remove the nine screws (M3x4) that secure the middle frame to the display panel.
2. Lift and remove the middle frame away from the display panel.

Installing the middle frame

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the middle frame and provides a visual representation of the installation procedures.



10x
M3x4



Figure 21. Installing the middle frame

Steps

1. Align the middle frame and display panel.
2. Replace the nine screws (M3x4) to secure the middle frame to the display panel.

Next steps

1. Install the [metal shield](#).
2. Install the [back cover](#).
3. Install the [stand](#).
4. Follow the procedure in [After working inside your monitor](#).

Front trim

Removing the front trim

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Removing the [metal shield.](#)
5. Remove the [middle frame.](#)

About this task

The following image indicates the location of the front trim and provides a visual representation of the removal procedures.

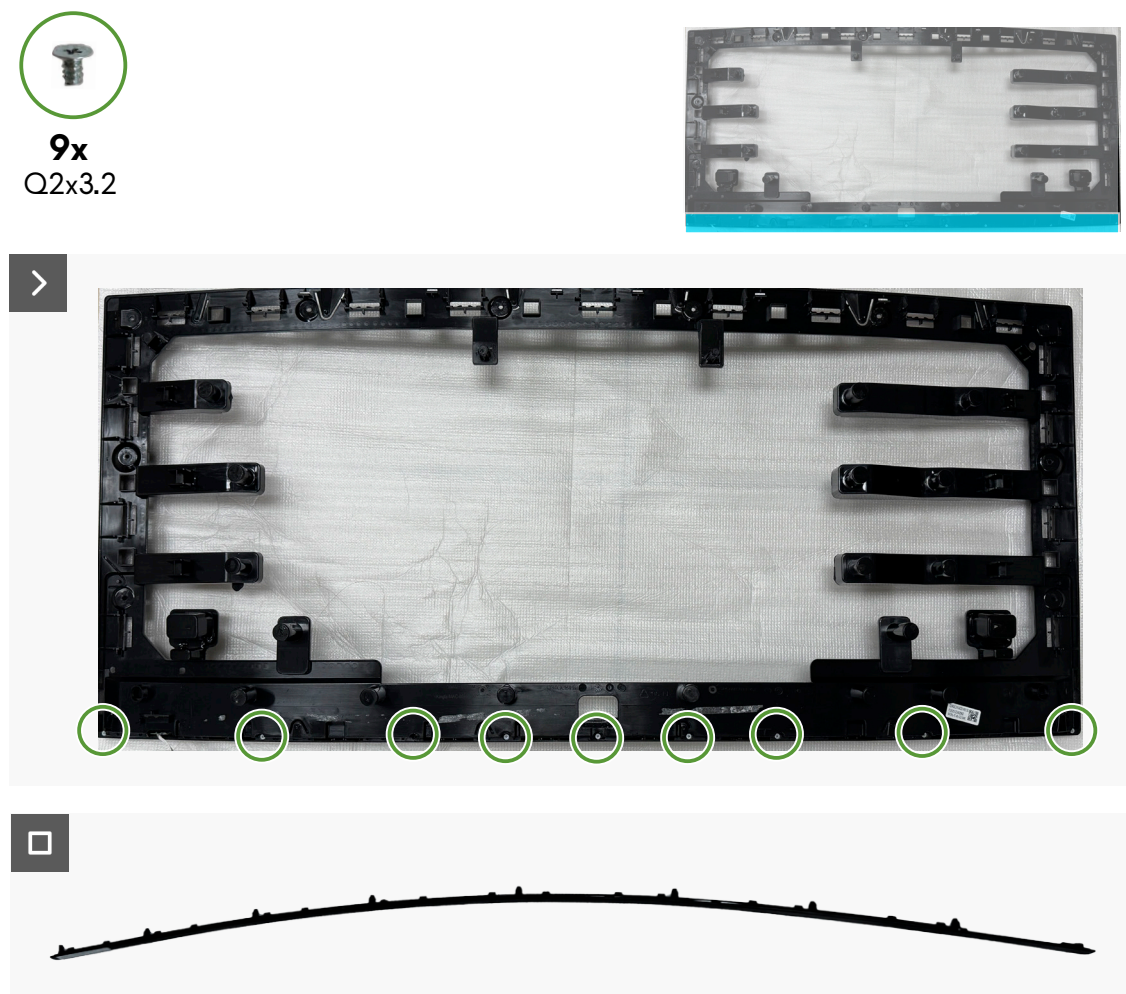


Figure 22. Removing the front trim

1. Remove the nine screws (Q2×3.2) that secure the front trim to the middle frame.
2. Lift and remove the front trim away from the middle frame.

Installing the front trim

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the front trim and provides a visual representation of the installation procedures.

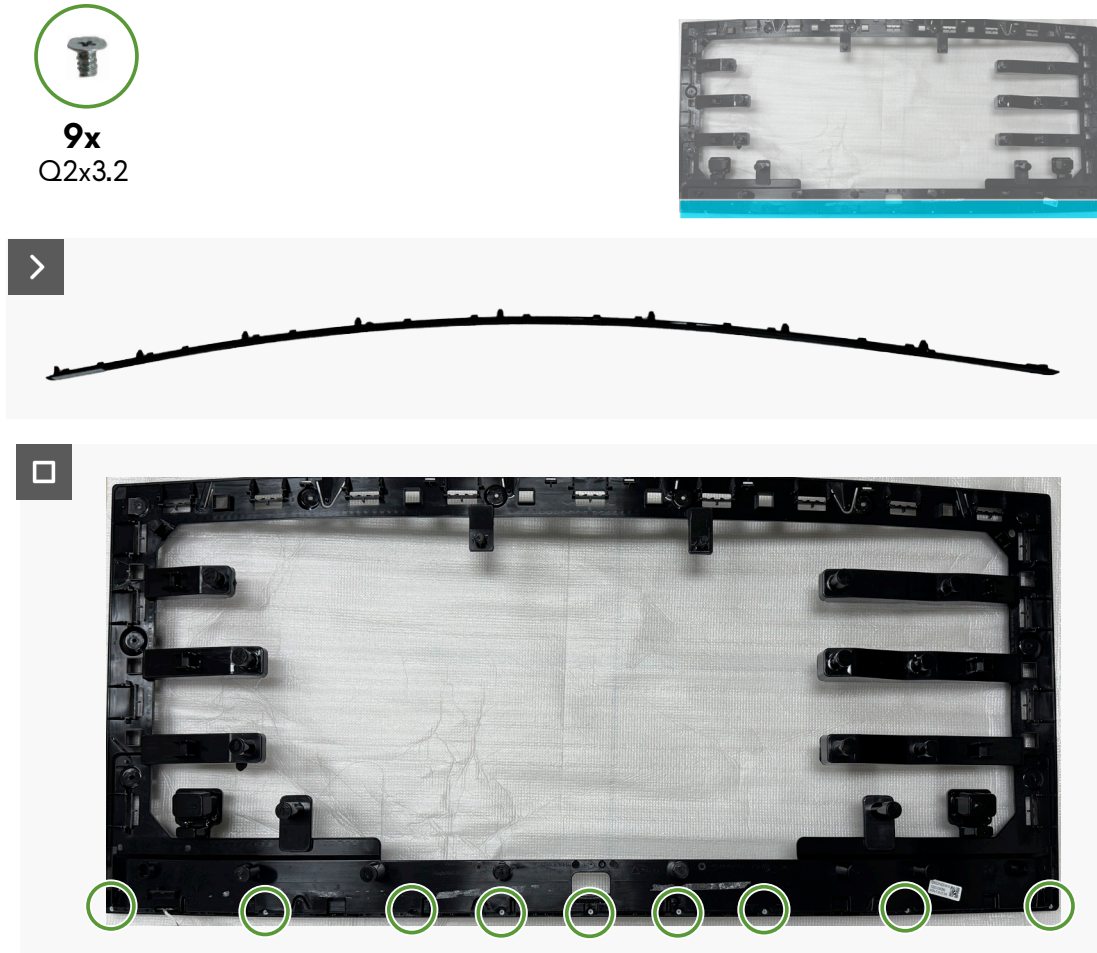


Figure 23. Installing the front trim

Steps

1. Align the front trim and middle frame.
2. Replace the nine screws (Q2×3.2) to secure the front trim to the middle frame.

Next steps

1. Install the [middle frame](#).
2. Install the [metal shield](#).
3. Install the [back cover](#).
4. Install the [stand](#).
5. Follow the procedure in [After working inside your monitor](#).

Power-button board

Removing power-button board

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Remove the [metal shield.](#)
5. Remove the [middle frame.](#)
6. Remove the [front trim.](#)

About this task

The following image indicates the location of the power-button board and provides a visual representation of the removal procedures.

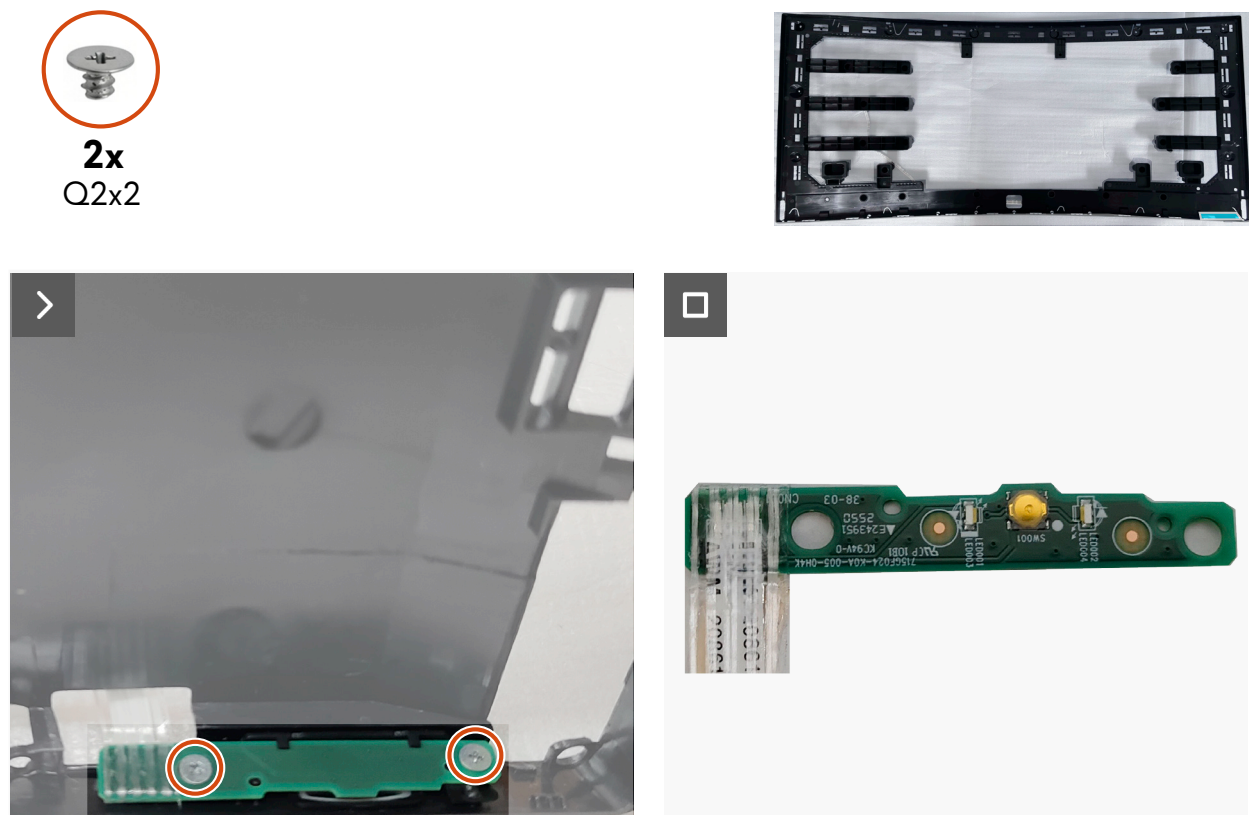


Figure 24. Removing the power-button board

Steps

1. Remove the two screws (Q2×2) that secure the power-button board to the middle frame.
2. Remove the power-button board from the middle frame.

Installing power-button board

Prerequisites

If you are replacing a component, remove the existing component before performing the installation procedure.

About this task

The following image indicates the location of the power-button board and provides a visual representation of the installation procedures.



Figure 25. Installing the power-button board

1. Align the screw holes on the power-button board with the screw holes on the middle frame.
2. Replace the two screws (Q2×2) to secure the power-button board to the middle frame.

Next steps

1. Install the [front trim](#).
2. Install the [middle frame](#).
3. Install the [metal shield](#).
4. Install the [back cover](#).
5. Install the [stand](#).
6. Follow the procedure in [After working inside your monitor](#).

Regulatory information

FCC notices (U.S. only) and other regulatory information

For FCC notices and other regulatory information, see the [Dell Regulatory Compliance Home Page](#).

EU product database for energy label and product information sheet

For more information about the energy labeling regulations, see the [European Product Registry for Energy Labeling](#).

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [Contact Support at Dell Support Site](#).

- ① **NOTE:** Availability varies by country, region, or product, and some services may not be available in your country or region.
- ① **NOTE:** If you do not have an active Internet connection, you can find contact information in your purchase invoice, packing slip, bill, or Dell product catalog.

Revision History

The following table provides the revision history of this document:

Table 2. Revision history

Revision	Date	Description
A00	July 2026	Original publish date