

Dell Pro 22 Adjustable Stand Monitor E2225HSM

Dell Pro 24 Adjustable Stand Monitor E2425HSM

Teardown Instruction

Notes, cautions, and warnings

 **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 in this document assumes that you have read the safety information that shipped with your monitor.

NOTE: Before using the monitor, read the safety information that is shipped with your monitor and 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 damage 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 pressed with a sharp object.
- Ensure that your monitor is electrically rated to operate with the AC power available in your location.
- Keep the monitor in 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 the cables.
- 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 that are marked on the product.
- Certain monitors can be wall mounted using the VESA mount that is sold separately. Ensure to use the correct VESA specifications as mentioned in the wall mounting section of the User's Guide.

For information about 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.

1. Remove any media card and optical disc from your monitor, if applicable.

After working inside your monitor

 **CAUTION:** Leaving any loose or misplaced screws inside your monitor may severely damage it.

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 on your monitor.
3. Replace any media cards, discs, or any other parts that you removed before working on your monitor.
4. Connect your monitor and all attached devices to their electrical outlets.
5. Turn on your monitor.

Disassembly and reassembly- E2225HSM

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

Recommended tools

- Phillips screwdriver #2
- Nut driver 5 mm
- Plastic scribe

Screw list

NOTE: When removing screws from a component, it is recommended to note the screw type, the quantity of screws, and then place them in a screw storage box. This is to ensure that the correct number of screws and correct screw type is restored when the component is replaced.

NOTE: Some computers have magnetic surfaces. Ensure that the screws are not left attached to such surfaces when replacing a component.

NOTE: Screw color may vary with the configuration ordered.

Table 1. Screw list.

Component	Screw type	Quantity	Screw image
Back cover VESA	M4x10	4	
Display middle-frame	M3x4	9	
Chassis assembly	M3x3	2	
Interface board	M3x6	2	
Power board	M3x6	3	
Power-board grounding	M4x9	1	
VGA port	#4-40x11.8	2	

Stand

Removing the stand

Prerequisites

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

Steps

1. Press the release button and tilt the stand upwards till the stand is separated from the monitor head.
2. Open the screw handle at the bottom of the stand base, then turn the screw anti-clockwise to unscrew it.
3. Remove the stand riser from the stand base.

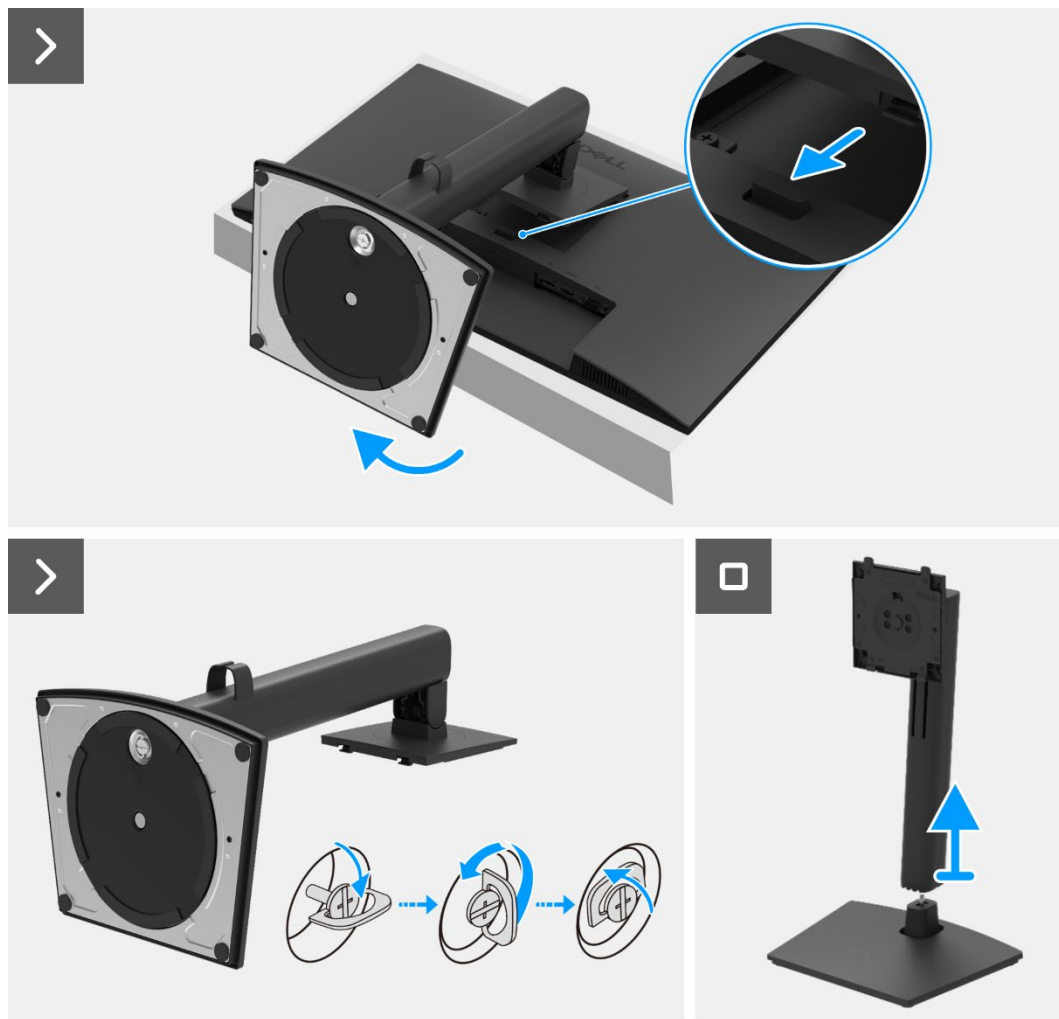


Figure 1. Removing the stand

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, then turn the screw clockwise to secure the stand riser to the stand base.
3. Close the screw handle at the bottom of the stand.
4. Attach the stand to the monitor.

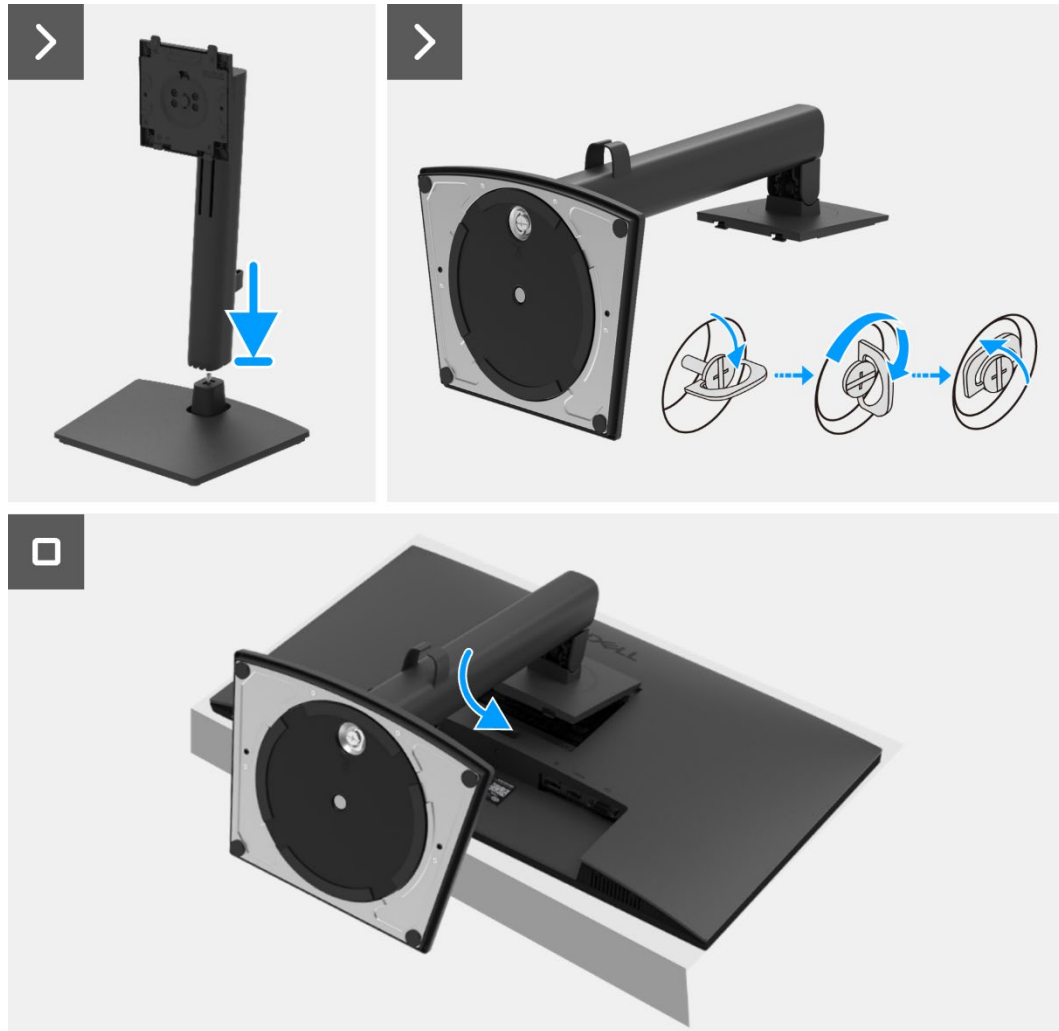


Figure 2. Installing the stand

Next steps

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

Back cover

Removing the back cover

Prerequisites

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

Steps

1. Remove the two screws (M4x10) that secure the back cover to the chassis assembly.
- ① **NOTE:** Only two screws must be removed to take off the back cover.
2. Using the plastic scribe, pry the back cover starting from the bottom edge of the monitor.
3. Lift the back cover up.
4. Peel the tape from the speaker cable.
5. Disconnect the speaker cable from the connector on the interface board. Then, remove the back cover away.

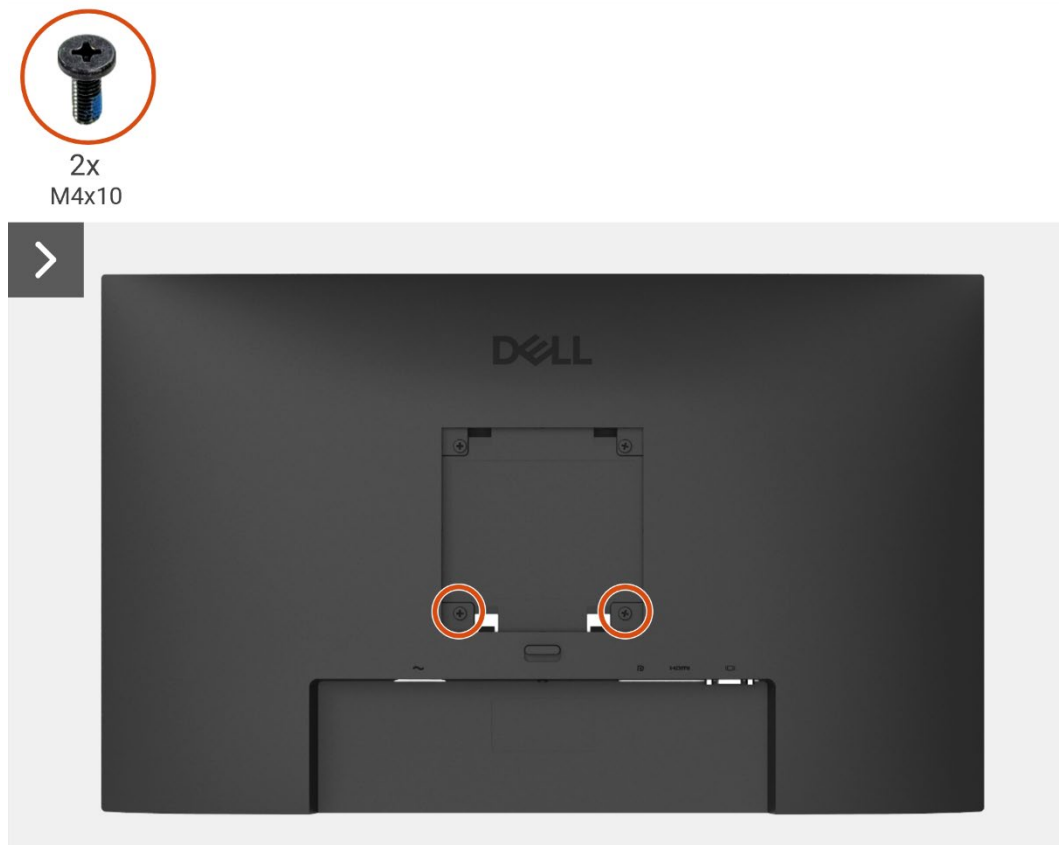


Figure 3. Removing the back cover

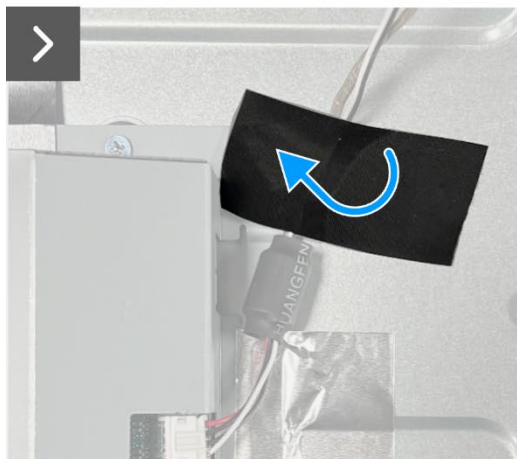
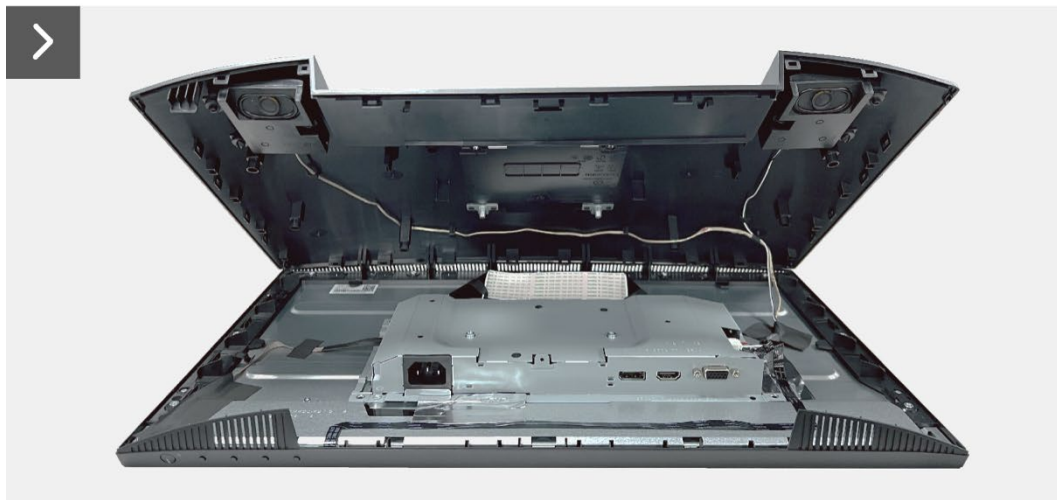


Figure 4. Removing the back cover

Installing the back cover

Steps

1. Hold the back cover above the chassis assembly.
 2. Connect the speaker cable to the connector on the interface board.
 3. Adhere the tape that secures the speaker cable to the display panel. Place and snap the back cover into place on the chassis assembly.
- ① **NOTE:** Align the screw holes on the back cover with the screw holes on the chassis assembly before applying slight pressure to the back cover.
4. Replace the four screws (M4x10) to secure the back cover to the monitor.
- ① **NOTE:** The two screws at the bottom secure the back cover, while the top two screws serve as placeholders.

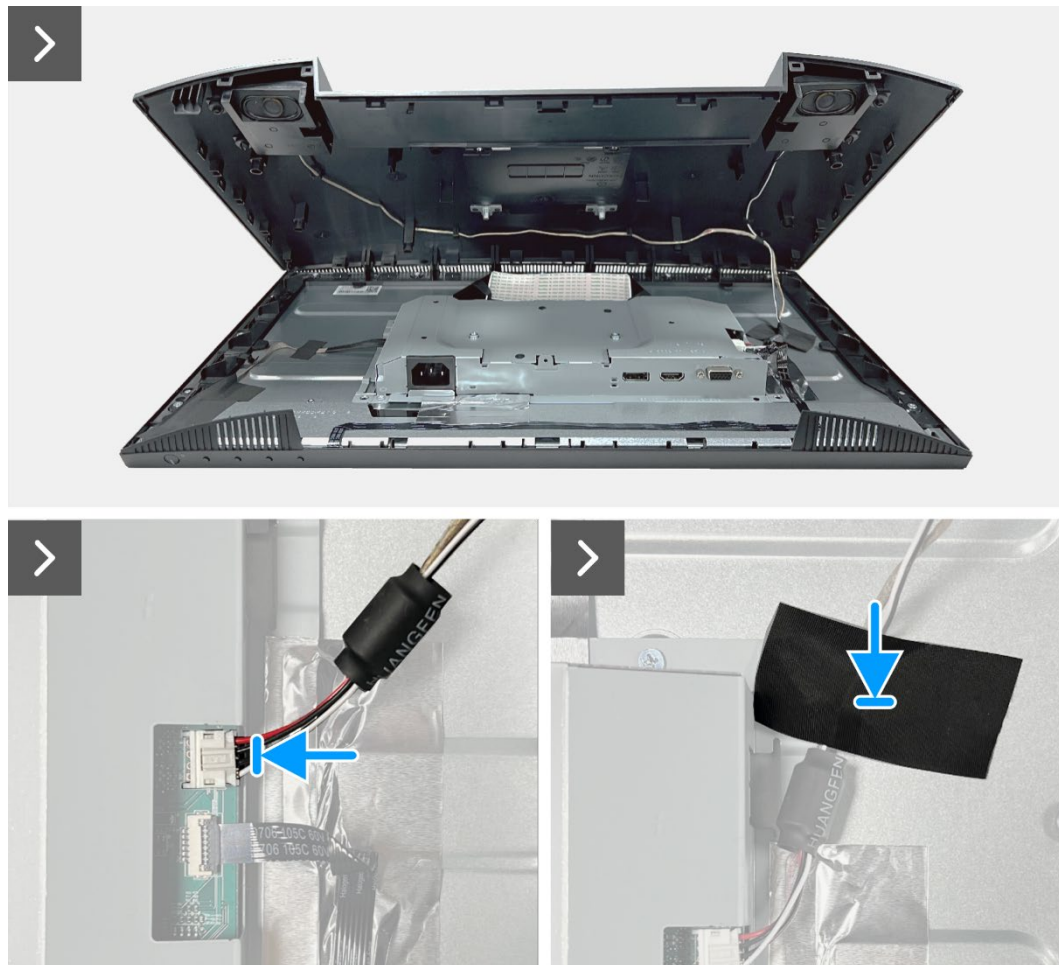


Figure 5. Installing the back cover

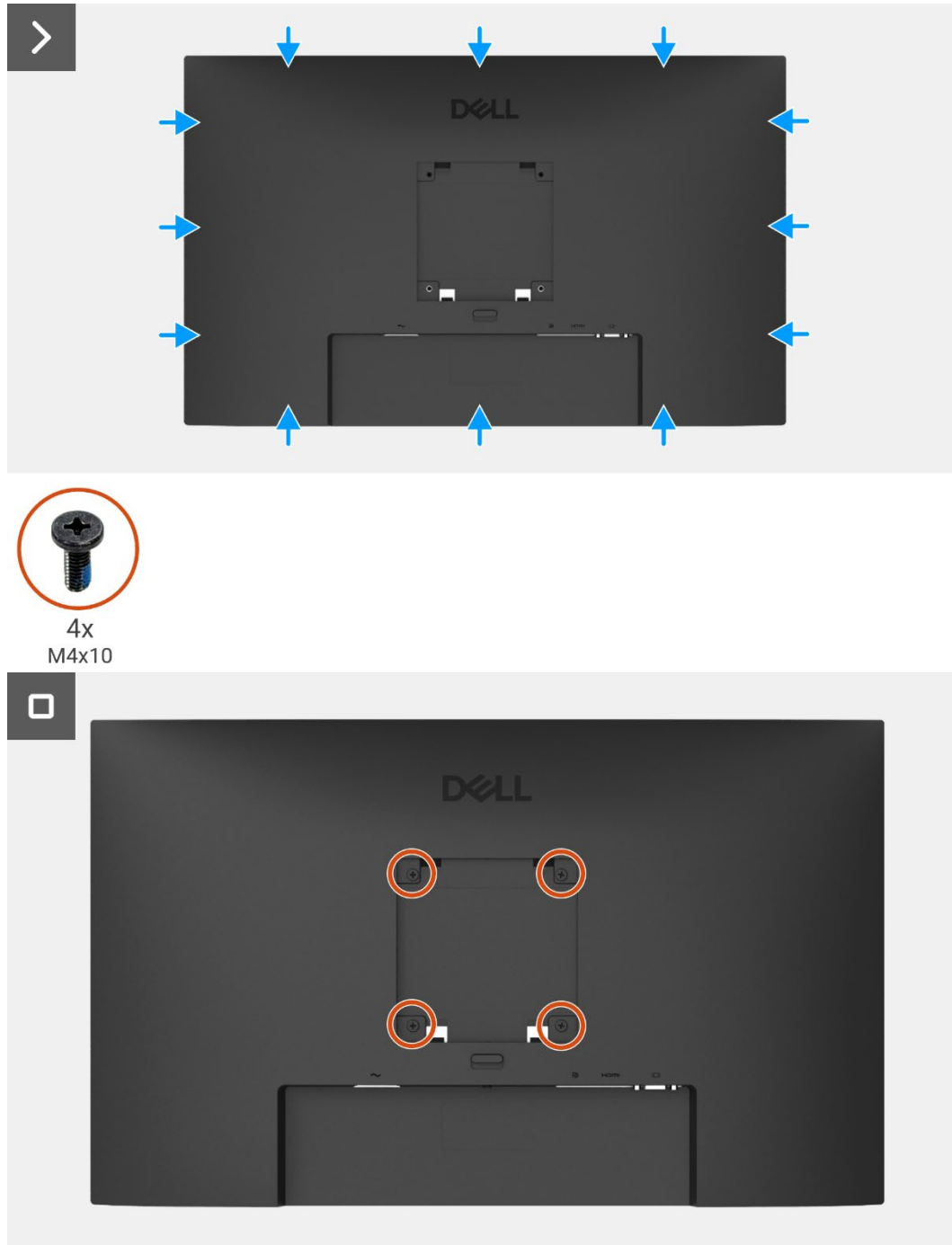


Figure 6. Installing the back cover

Next steps

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

Speakers

Removing the speakers

Prerequisites

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

Steps

1. Release the speaker cable from the cable management slots on the back cover.
2. Remove the speakers from the back cover.

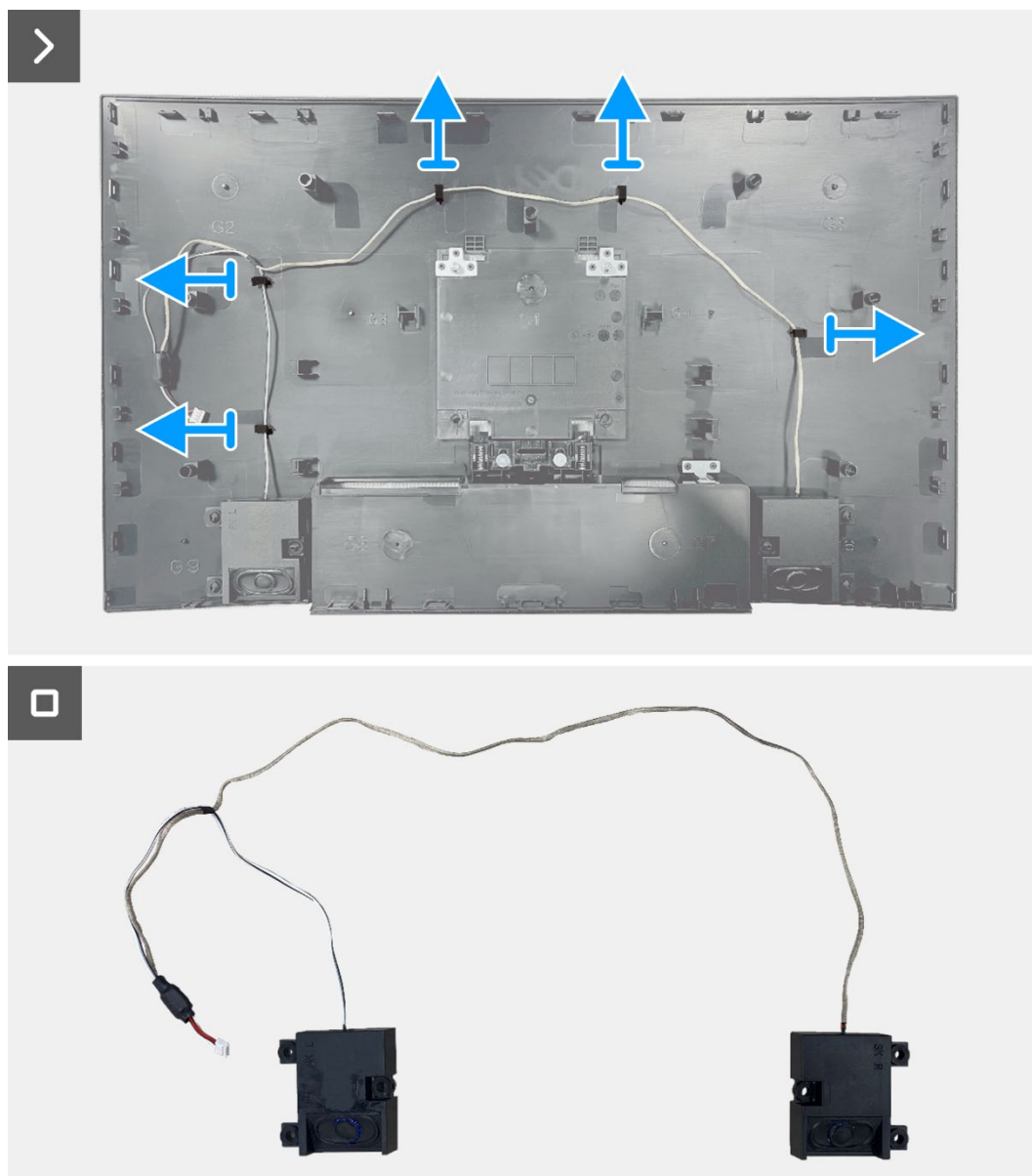


Figure 7. Removing the speakers

Installing the speakers

Steps

1. Attach the speakers onto the back cover.
2. Secure the speaker cable to the cable management slots on the back cover.

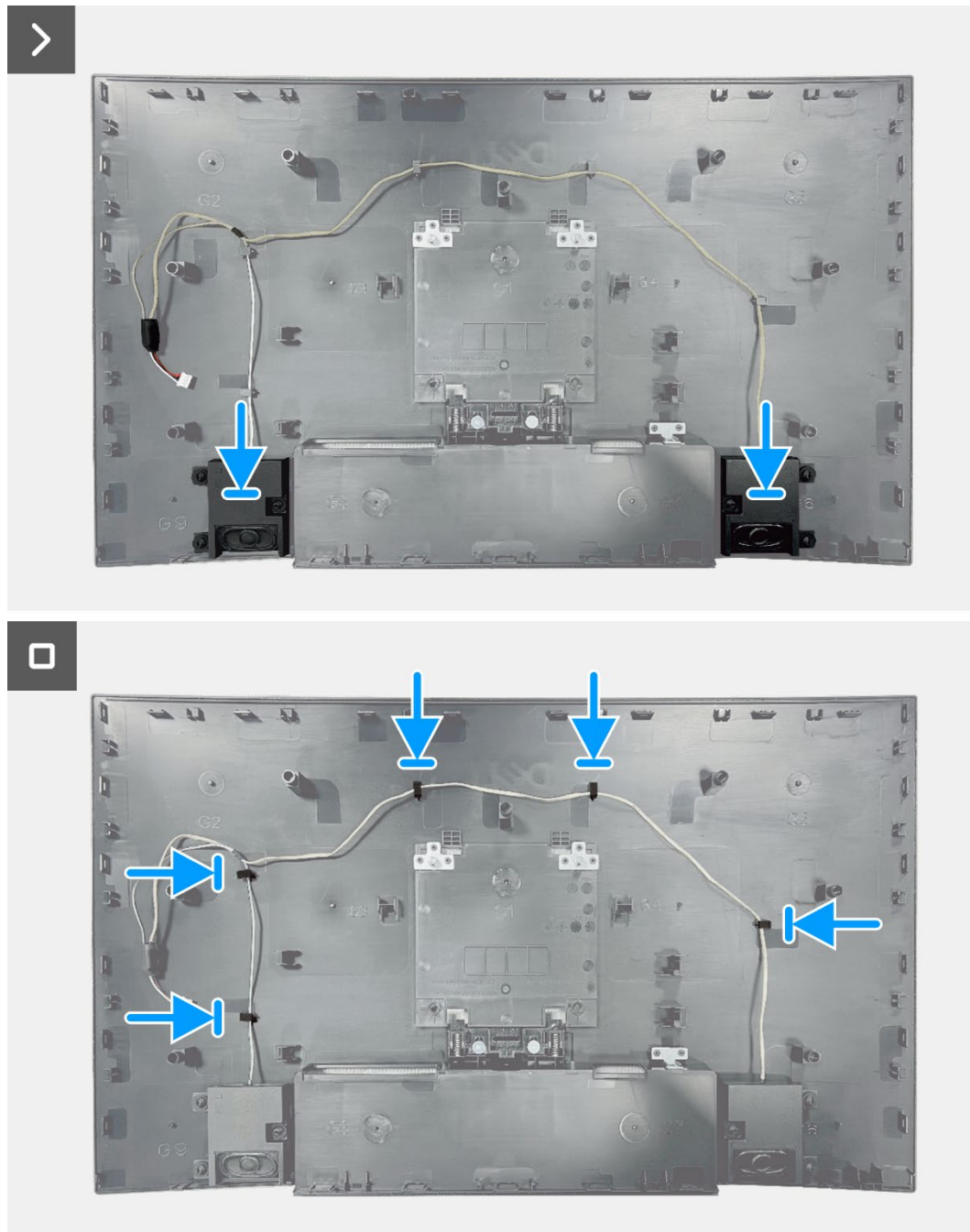


Figure 8. Installing the speakers

Next steps

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

Chassis assembly

Removing the chassis assembly

Prerequisites

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

Steps

1. Remove the two screws (M3x3) that secure the chassis assembly to the display panel.
2. Peel the tape at the bottom left corner of the monitor.
3. Peel the tape from the lightbar cable.
4. Release the lightbar cable from the cable management slot on the display middle-frame.
5. Disconnect the lightbar cable from the connector on the display panel.
6. Open the latch and disconnect the keypad cable from the connector on the interface board.
7. Peel the four aluminum foils on the chassis assembly.
8. Disconnect the LVDS cable from the connector on the display panel.
9. Remove the chassis assembly from the display panel.

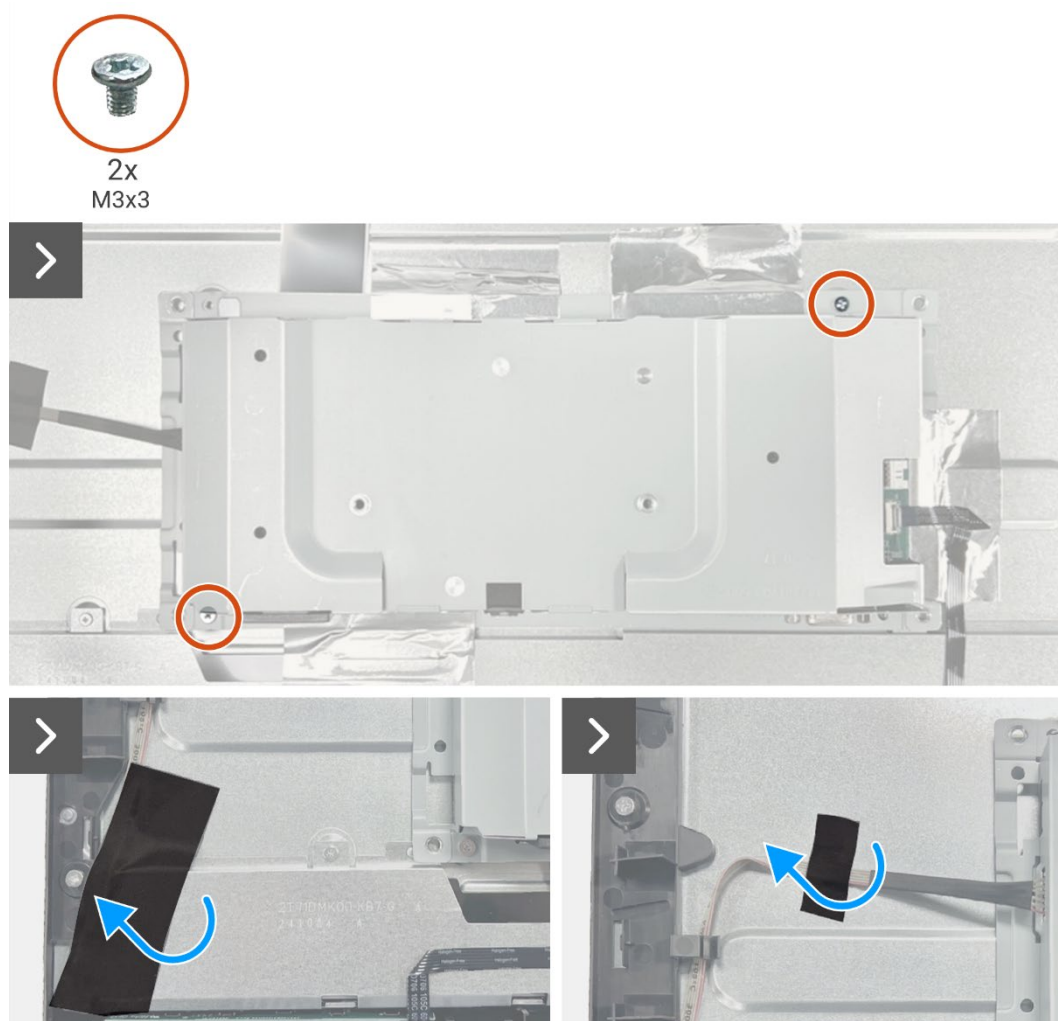


Figure 9. Removing the chassis assembly

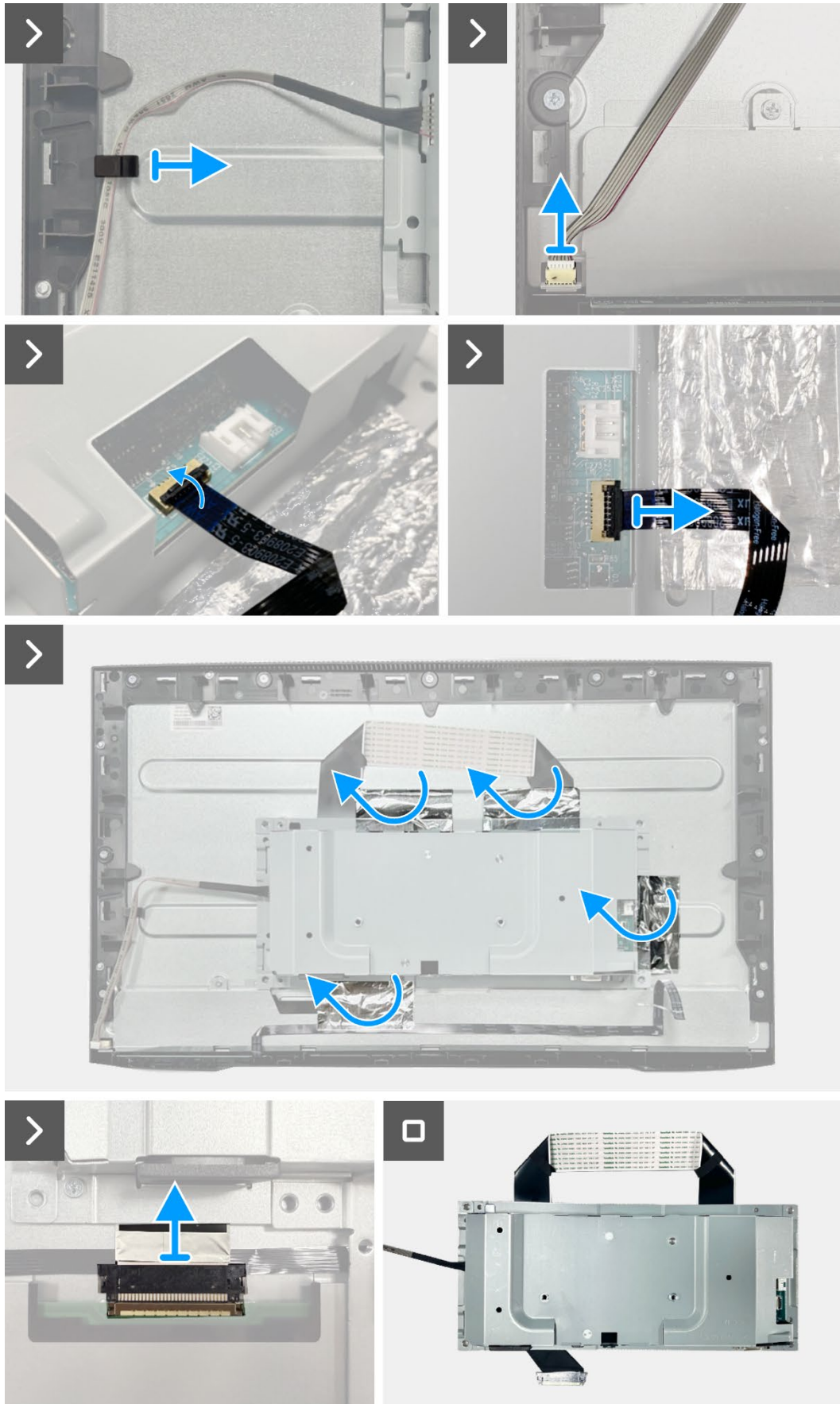


Figure 10. Removing the chassis assembly

Installing the chassis assembly

Steps

1. Align and place the chassis assembly on the display panel.
2. Connect the LVDS cable to the connector on the display panel.
3. Replace the two screws (M3x3) that secure the chassis assembly to the display panel.
4. Adhere the four aluminum foils to the chassis assembly.
5. Connect the keypad cable to the connector on the interface board. Close the latch after connecting the keypad cable to the connector.
6. Connect the lightbar cable to the panel.
7. Place the lightbar cable into the cable management slot on the display middle-frame.
8. Adhere the tape to cover the lightbar connector.
9. Adhere the tape on the lightbar cable.

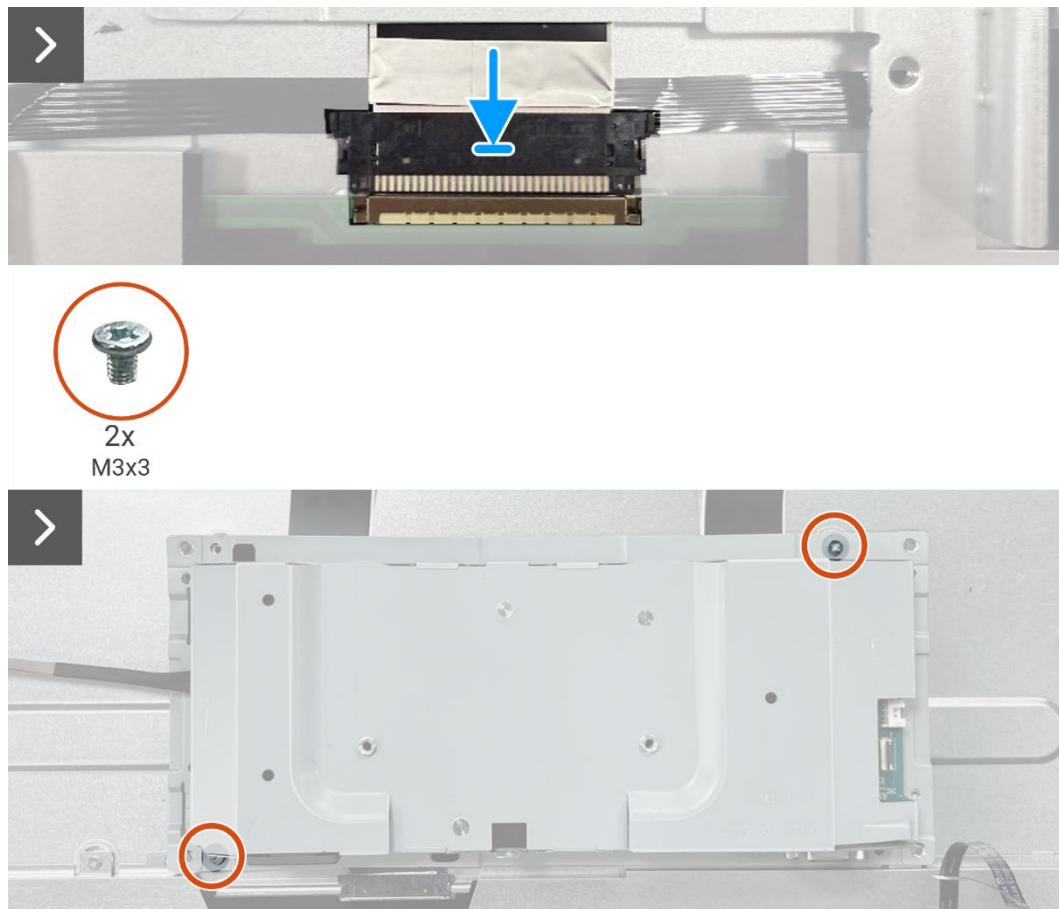


Figure 11. Installing the chassis assembly

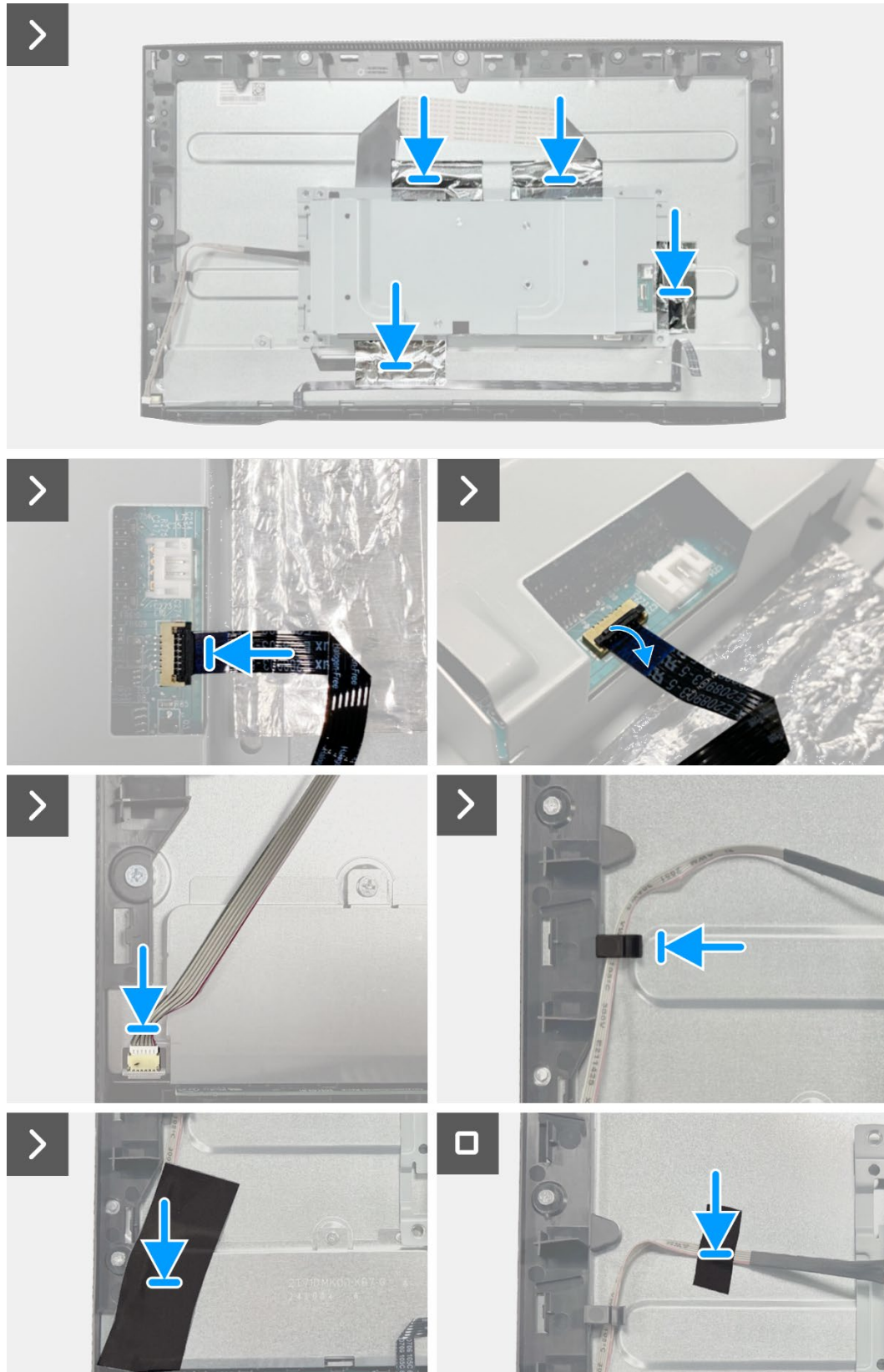


Figure 12. Installing the chassis assembly

Next steps

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

Keypad board

Removing the keypad board

Prerequisites

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

Steps

1. Remove the keypad board from the slot on the display middle-frame.
2. Peel the keypad cable from the panel shielding.

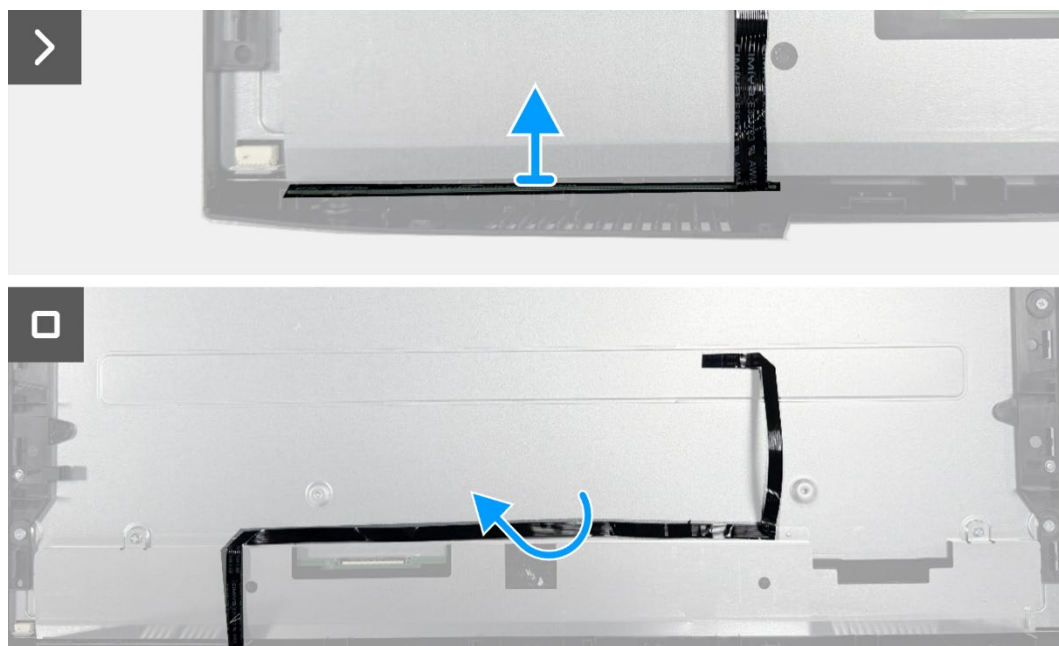


Figure 13. Removing the keypad board

Installing the keypad board

Steps

1. Align and place the keypad board onto the display middle-frame.
2. Adhere the keypad cable on the panel shielding.

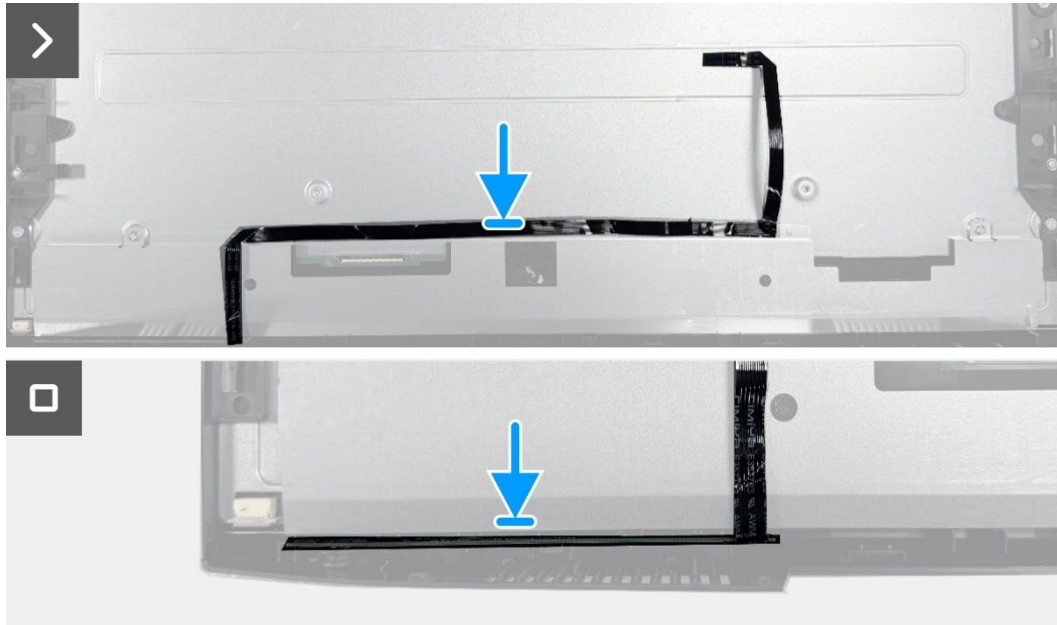


Figure 14. Installing the keypad board

Next steps

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

Interface board

Removing the interface board

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Remove the [speakers.](#)
5. Remove the [chassis assembly.](#)
6. Remove the [keypad board.](#)

Steps

1. Remove the two hex screws from the VGA port.
2. Remove the mylar and peel the thermal pad from the chassis assembly.
3. Remove the five screws (M3x6) that secure the interface board and power board to the chassis assembly.
4. Remove the screw (M4x9) that secures the power board to the chassis assembly.
5. Remove the interface board and power board from the chassis.
6. Disconnect the power cable from the connector on the interface board.
7. Disconnect the LVDS cable from the connector on the interface board.



Figure 15. Removing the interface board

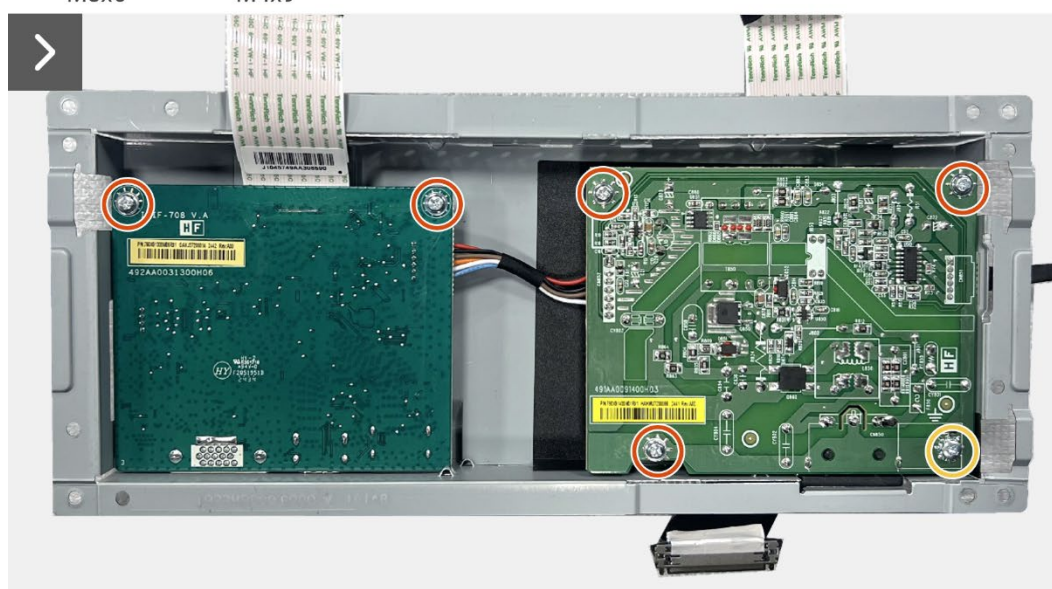
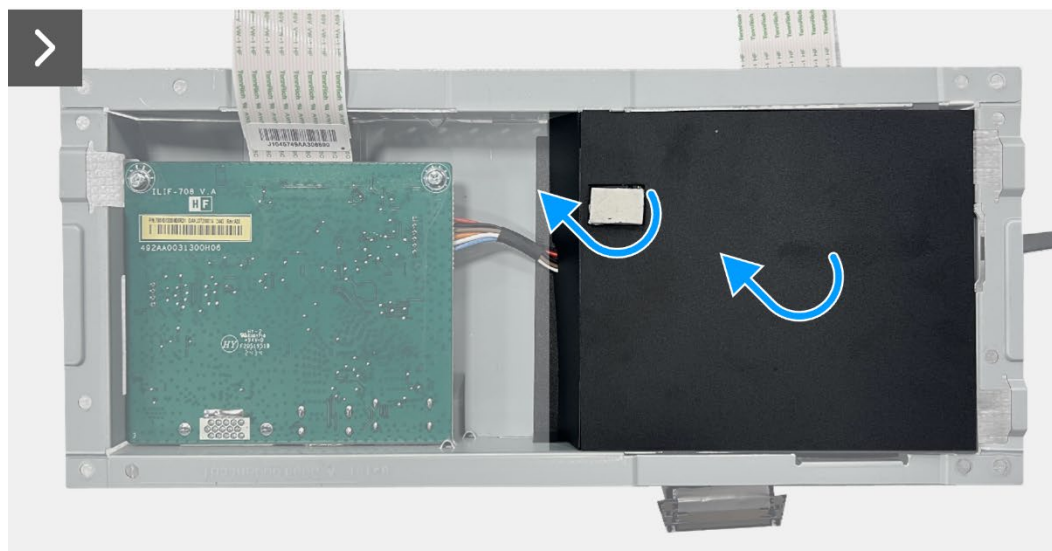


Figure 16. Removing the interface board

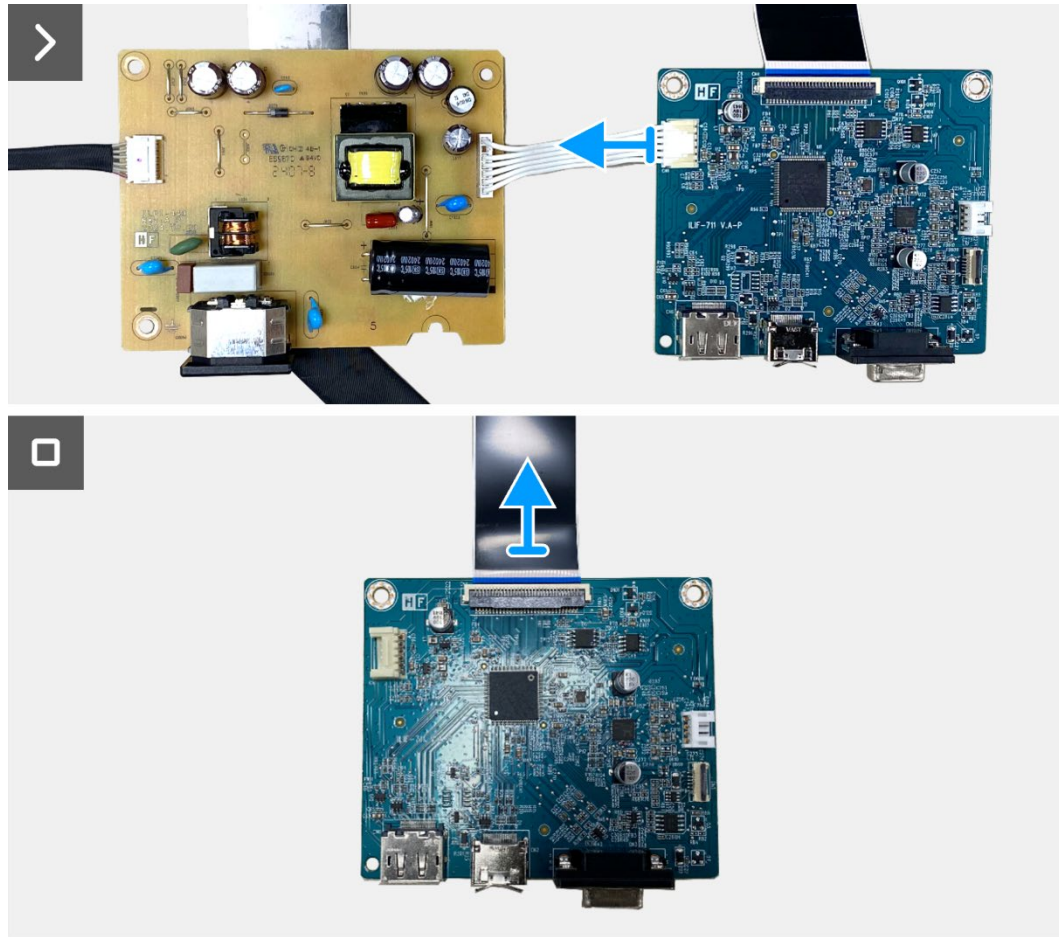


Figure 17. Removing the interface board

Installing the interface board

Steps

1. Connect the LVDS cable to the connector on the interface board.
2. Connect the power cable to the connector on the interface board.
3. Align and place the interface board and power board to the chassis.
4. Replace the five screws (M3x6) to secure the interface board to the chassis assembly.
5. Replace the screw (M4x9) to secure the power board to the chassis assembly.
6. Attach the mylar and adhere thermal pad to the chassis assembly.
7. Replace the two hex screws to secure the VGA port.

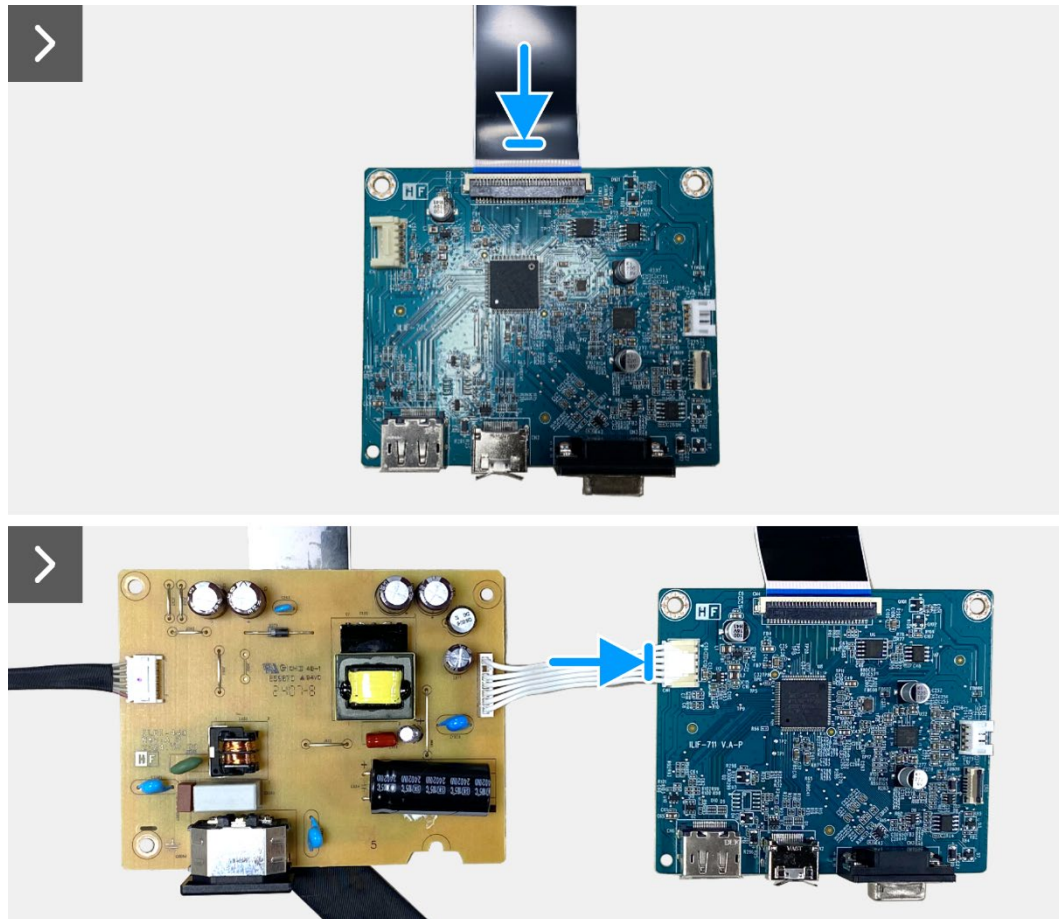


Figure 18. Installing the interface board

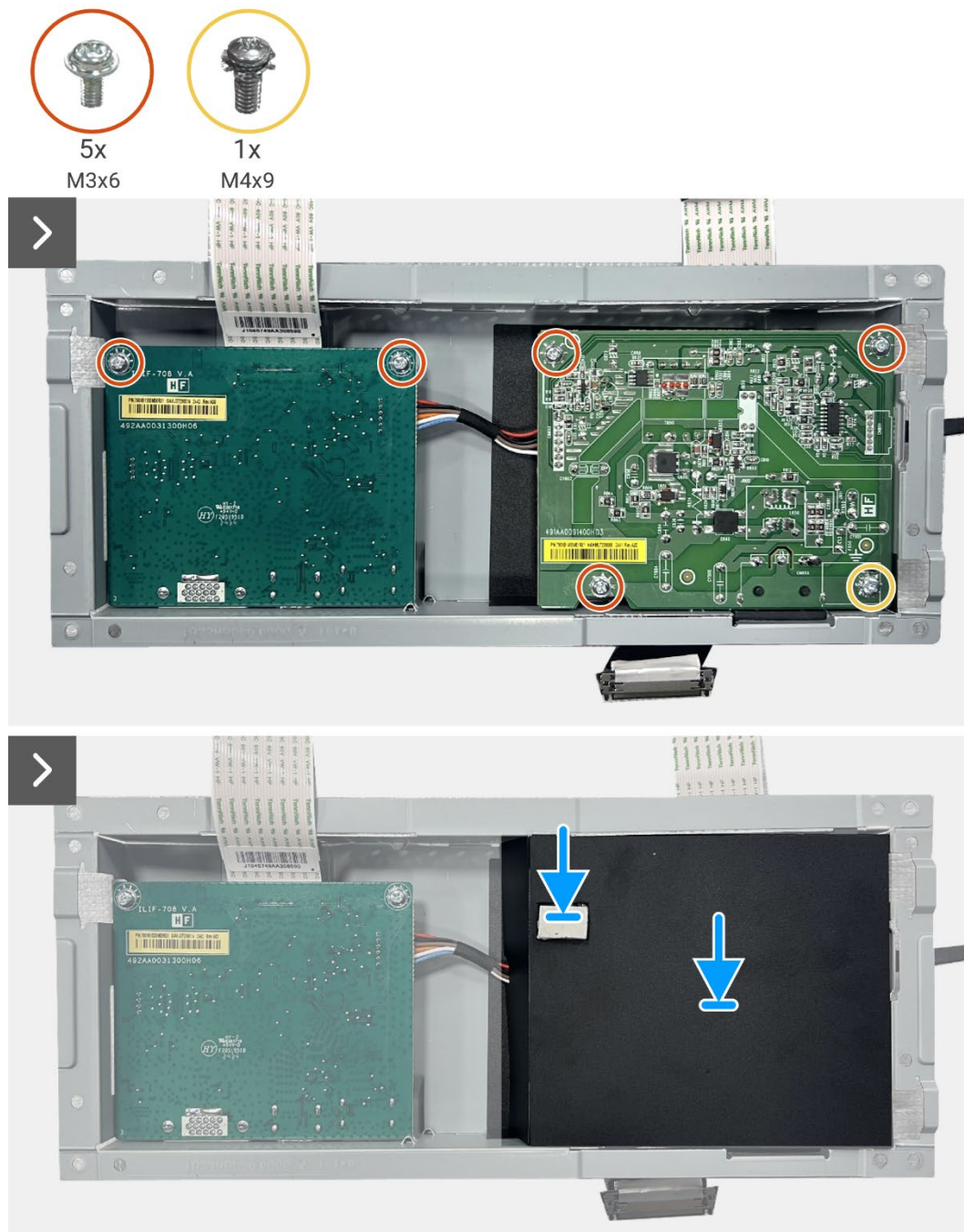


Figure 19. Installing the interface board



Figure 20. Installing the interface board

Next steps

1. Install the [keypad board](#).
2. Install the [chassis assembly](#).
3. Install the [speakers](#).
4. Install the [back cover](#).
5. Install the [stand](#).
6. Follow the procedure in [After working inside your monitor](#).

Power board

Removing the power board

Prerequisites

1. Follow the procedure in [Before working inside your monitor](#).
2. Remove the [stand](#).
3. Remove the [back cover](#).
4. Remove the [speakers](#).
5. Remove the [chassis assembly](#).
6. Remove the [keypad board](#).
7. Remove the [interface board](#).

Steps

1. Disconnect the lightbar cable from the connector on the power board.

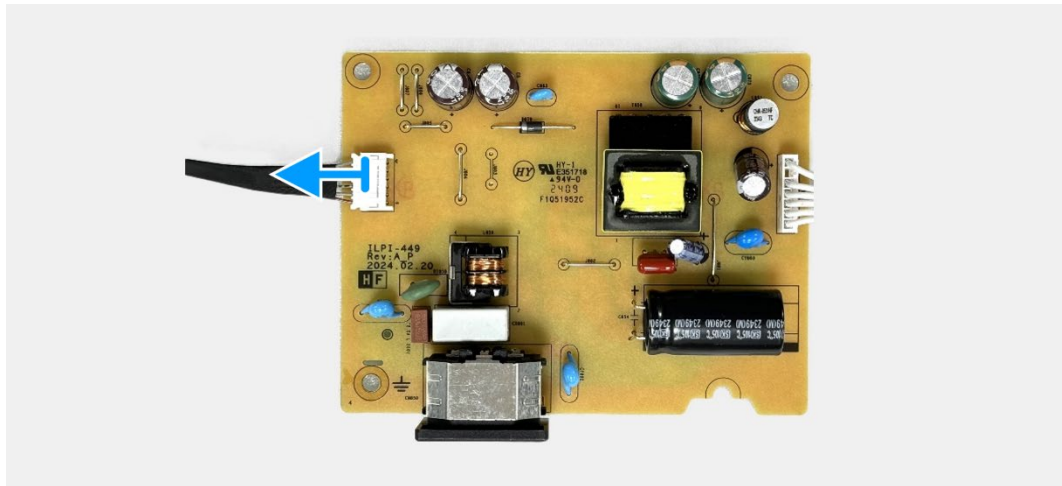


Figure 21. Removing the power board

Installing the power board

Steps

1. Connect the lightbar cable to the connector on the power board.

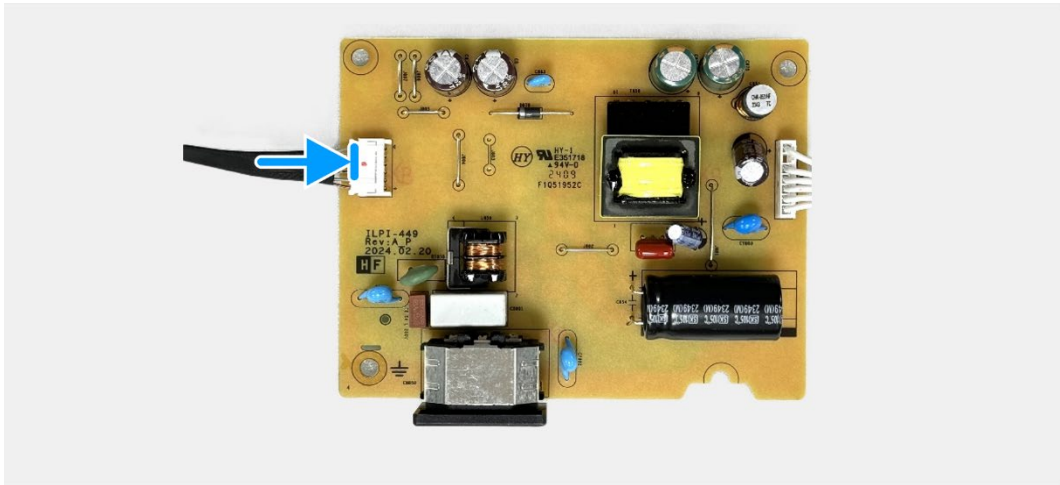


Figure 22. Installing the power board

Next steps

1. Install the [interface board](#).
2. Install the [keypad board](#).
3. Install the [chassis assembly](#).
4. Install the [speakers](#).
5. Install the [back cover](#).
6. Install the [stand](#).
7. Follow the procedure in [After working inside your monitor](#).

Disassembly and reassembly- E2425HSM

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

Recommended tools

- Phillips screwdriver #2
- Nut driver 5 mm
- Plastic scribe

Screw list

NOTE: When removing screws from a component, it is recommended to note the screw type, the quantity of screws, and then place them in a screw storage box. This is to ensure that the correct number of screws and correct screw type is restored when the component is replaced.

NOTE: Some computers have magnetic surfaces. Ensure that the screws are not left attached to such surfaces when replacing a component.

NOTE: Screw color may vary with the configuration ordered.

Table 2. Screw list.

Component	Screw type	Quantity	Screw image
Back cover VESA	M4x10	4	
Display middle-frame	M3x4	9	
Chassis assembly	M3x3	4	
Interface board	M3x6	2	
Power board	M3x6	3	
Power-board grounding	M4x9	1	
VGA port	#4-40x11.8	2	

Stand

Removing the stand

Prerequisites

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

Steps

1. Press the release button and tilt the stand upwards till the stand is separated from the monitor head.
2. Open the screw handle at the bottom of the stand base, then turn the screw anti-clockwise to unscrew it.
3. Remove the stand riser from the stand base.

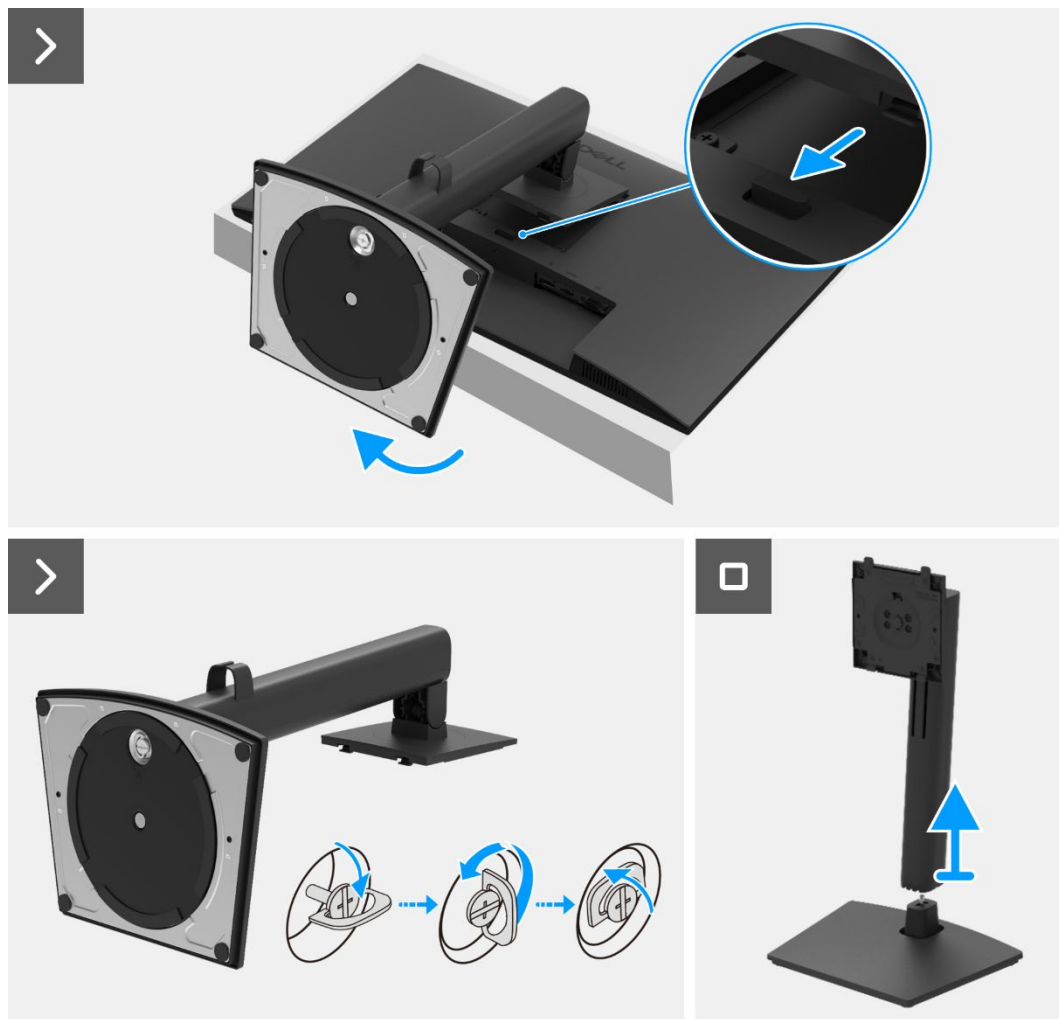


Figure 23. Removing the stand

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, then turn the screw clockwise to secure the stand riser to the stand base.
3. Close the screw handle at the bottom of the stand.
4. Attach the stand to the monitor.

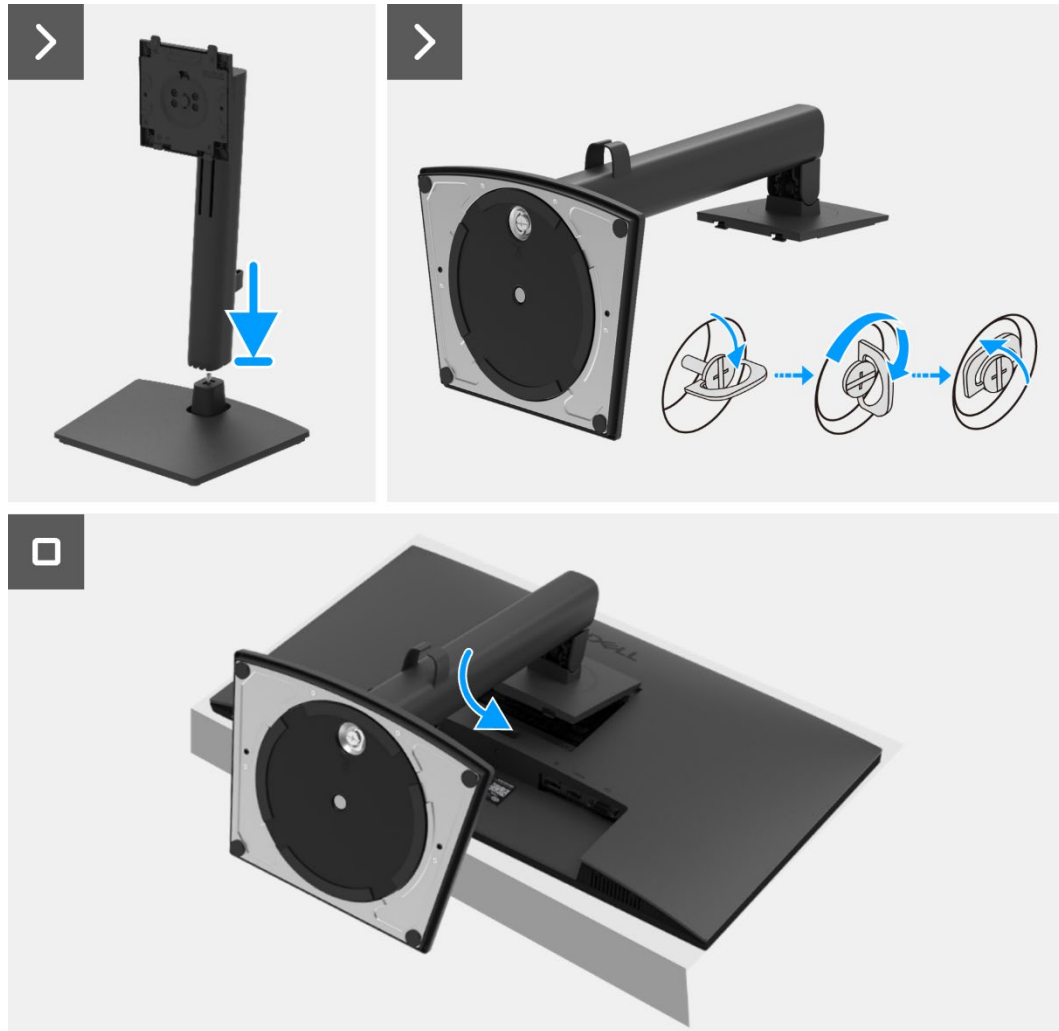


Figure 24. Installing the stand

Next steps

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

Back cover

Removing the back cover

Prerequisites

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

Steps

1. Remove the two screws (M4x10) that secure the back cover to the chassis assembly.
- ① **NOTE:** Only two screws must be removed to take off the back cover.
2. Using the plastic scribe, pry the back cover starting from the bottom edge of the monitor.
 3. Lift the back cover up.
 4. Peel the tape from the speaker cable.
 5. Disconnect the speaker cable from the connector on the interface board. Then, remove the back cover away.

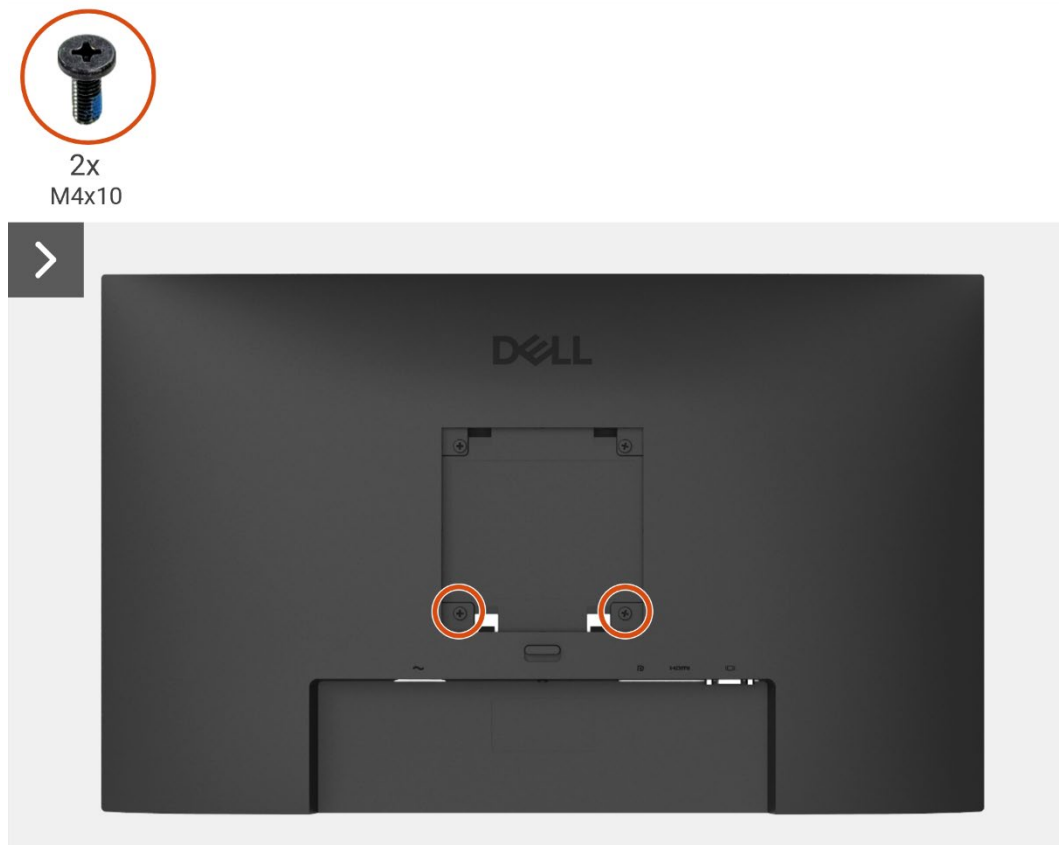


Figure 25. Removing the back cover

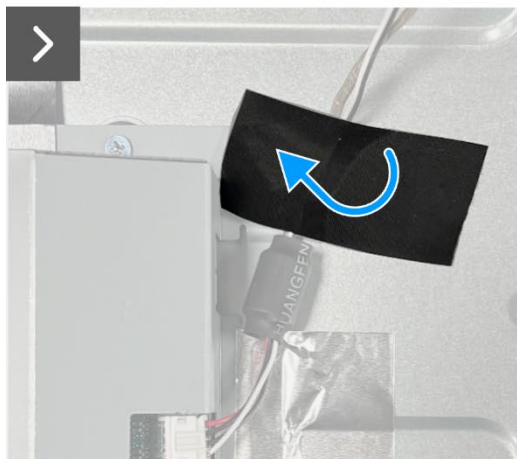
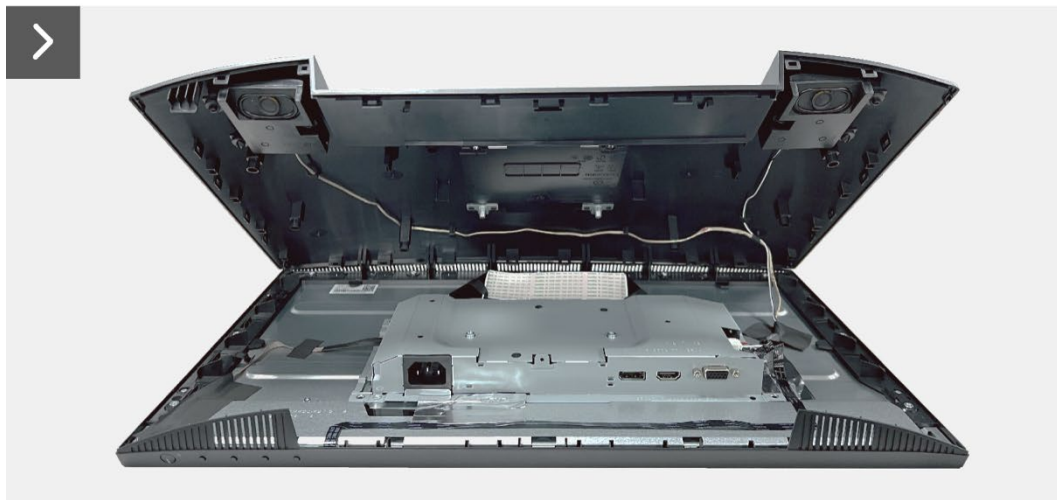


Figure 26. Removing the back cover

Installing the back cover

Steps

1. Hold the back cover above the chassis assembly.
 2. Connect the speaker cable to the connector on the interface board.
 3. Adhere the tape that secures the speaker cable to the display panel. Place and snap the back cover into place on the chassis assembly.
- ① **NOTE:** Align the screw holes on the back cover with the screw holes on the chassis assembly before applying slight pressure to the back cover.
4. Replace the four screws (M4x10) to secure the back cover to the monitor.
- ① **NOTE:** The two screws at the bottom secure the back cover, while the top two screws serve as placeholders.

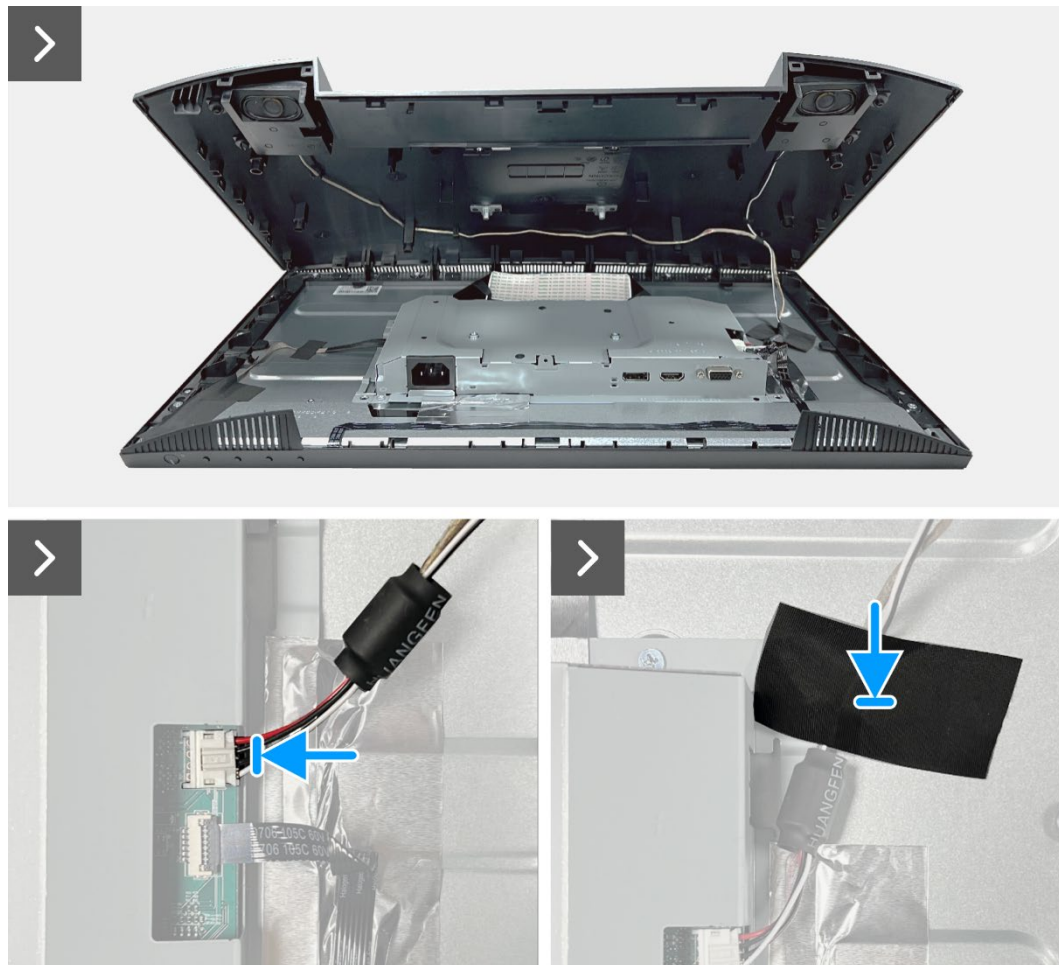


Figure 27. Installing the back cover

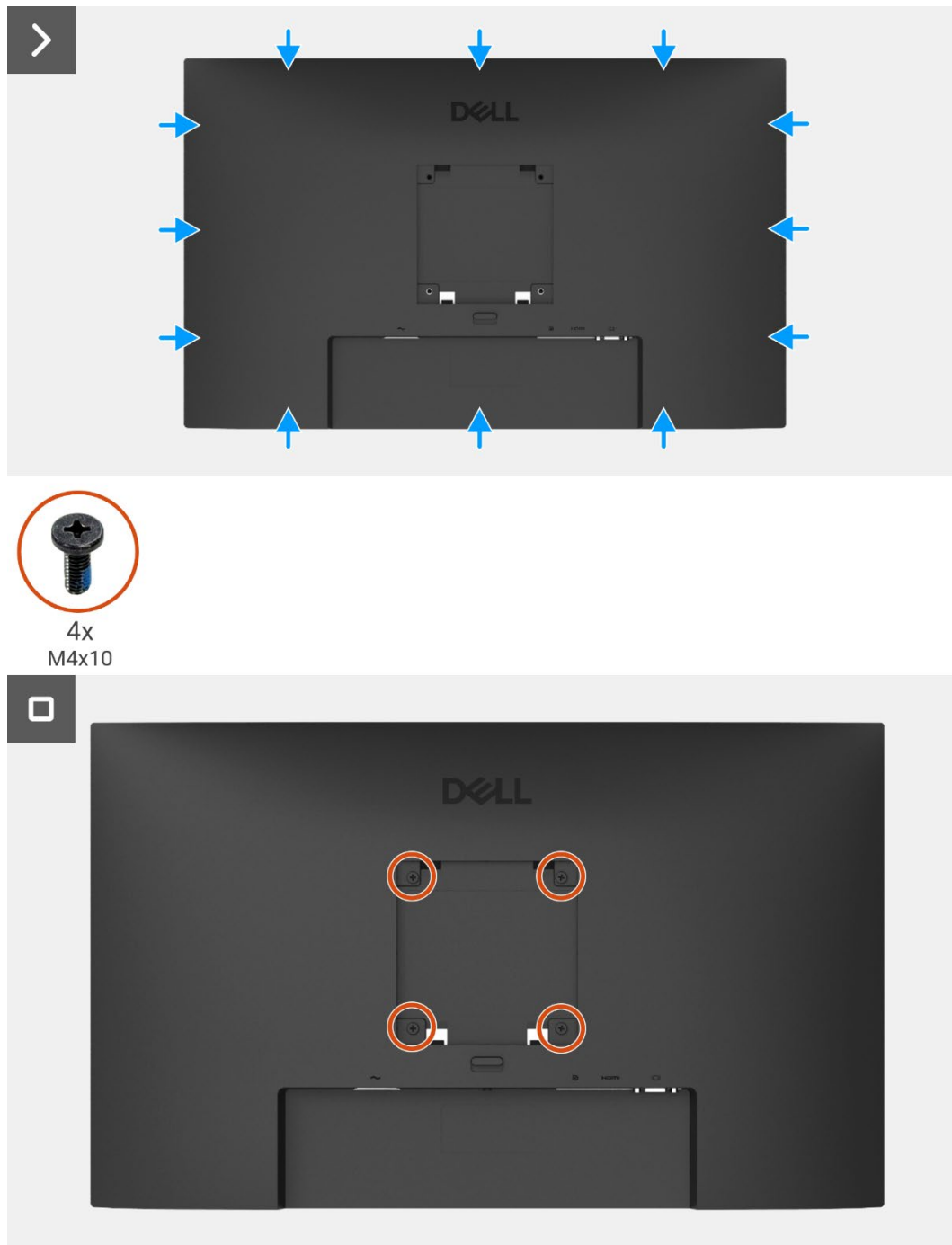


Figure 28. Installing the back cover

Next steps

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

Speakers

Removing the speakers

Prerequisites

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

Steps

1. Release the speaker cable from the cable management slots on the back cover.
2. Remove the speakers from the back cover.

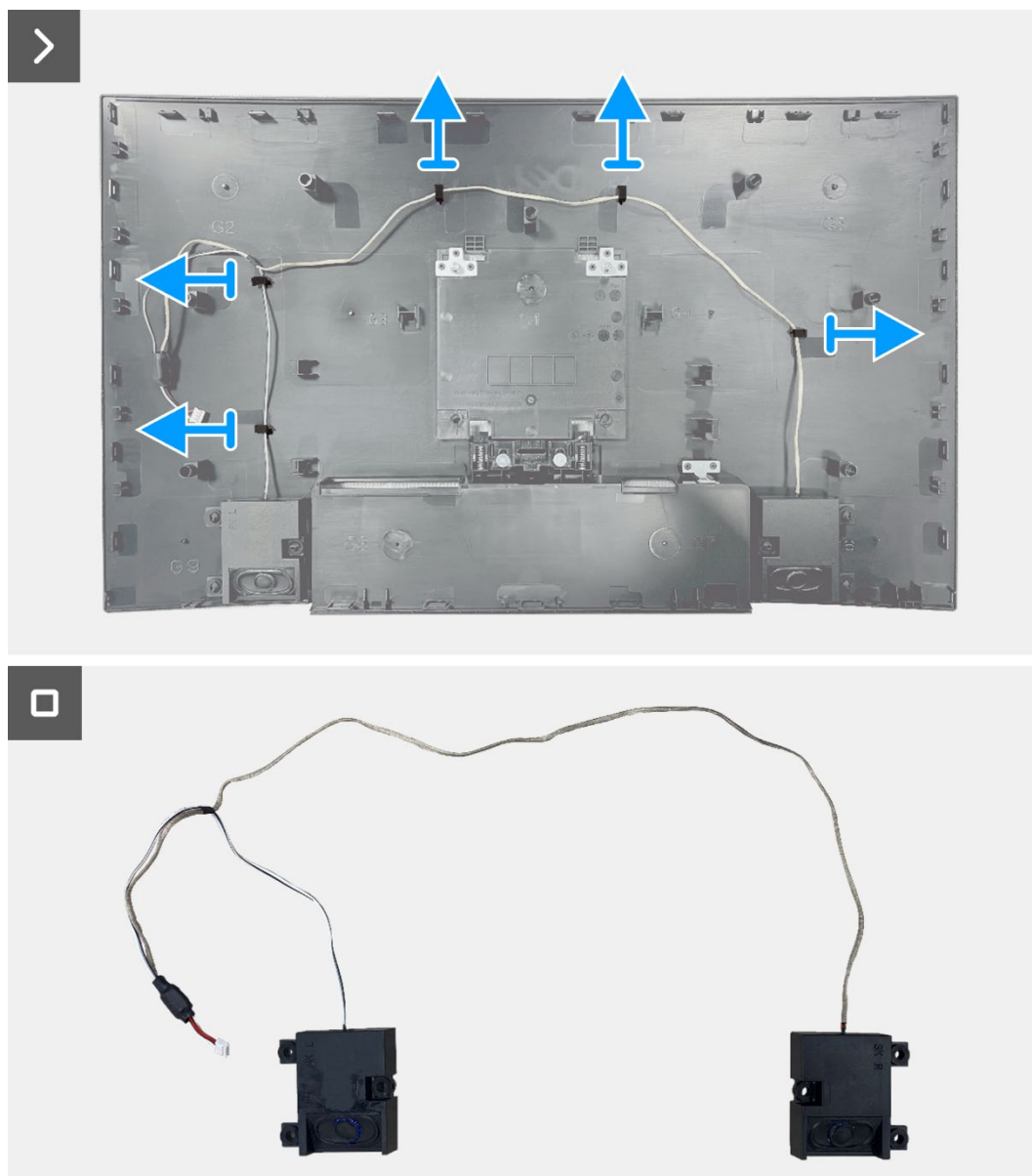


Figure 29. Removing the speakers

Installing the speakers

Steps

1. Attach the speakers onto the back cover.
2. Secure the speaker cable to the cable management slots on the back cover.

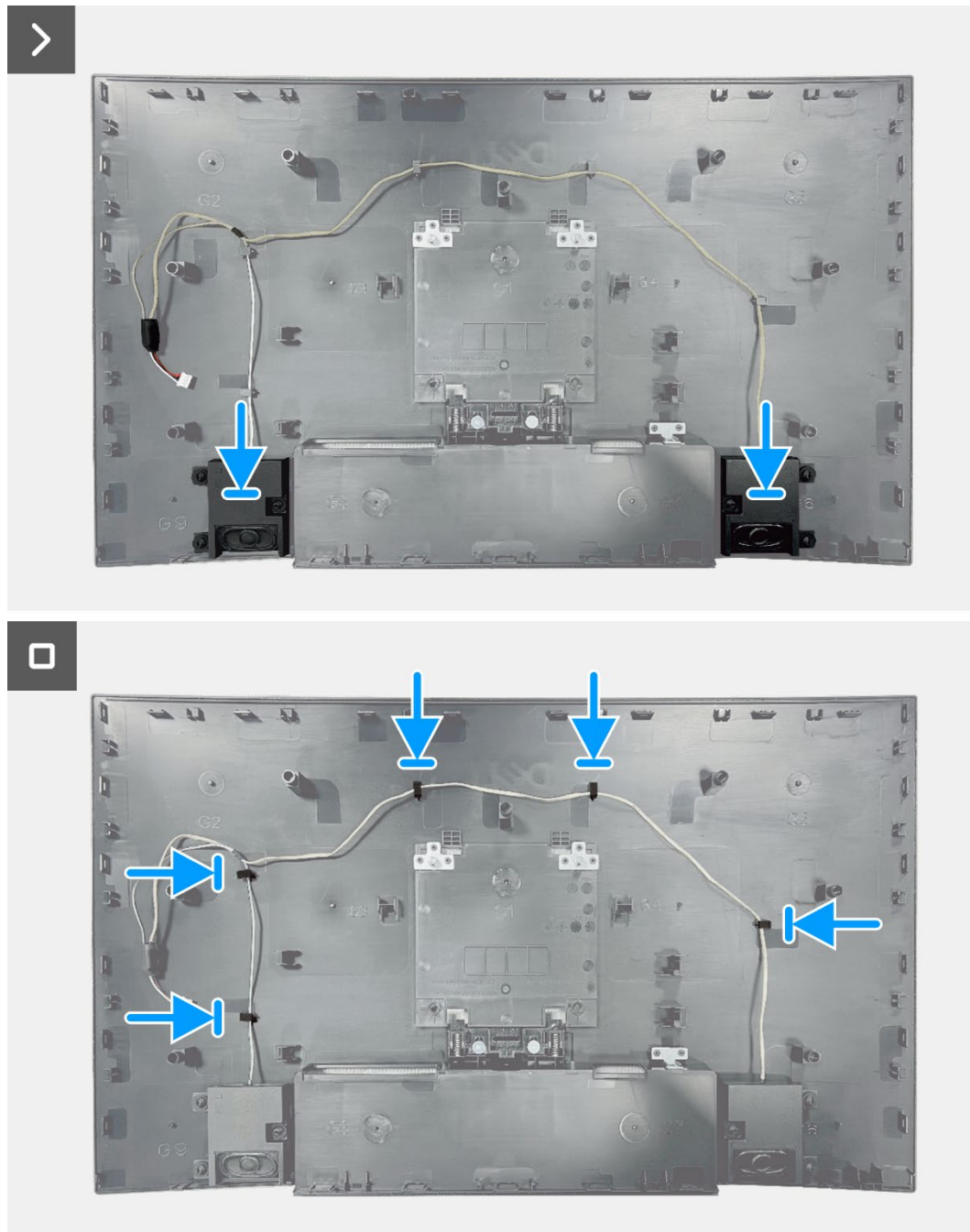


Figure 30. Installing the speakers

Next steps

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

Chassis assembly

Removing the chassis assembly

Prerequisites

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

Steps

1. Remove the four screws (M3x3) that secure the chassis assembly to the display panel.
2. Peel the tape at the bottom left corner of the monitor.
3. Release the lightbar cable from the cable management slot on the display middle-frame.
4. Disconnect the lightbar cable from the connector on the display panel.
5. Open the latch and disconnect the keypad cable from the connector on the interface board.
6. Peel the two aluminum foils on the chassis assembly.
7. Disconnect the LVDS cable from the connector on the display panel.
8. Remove the chassis assembly from the display panel.

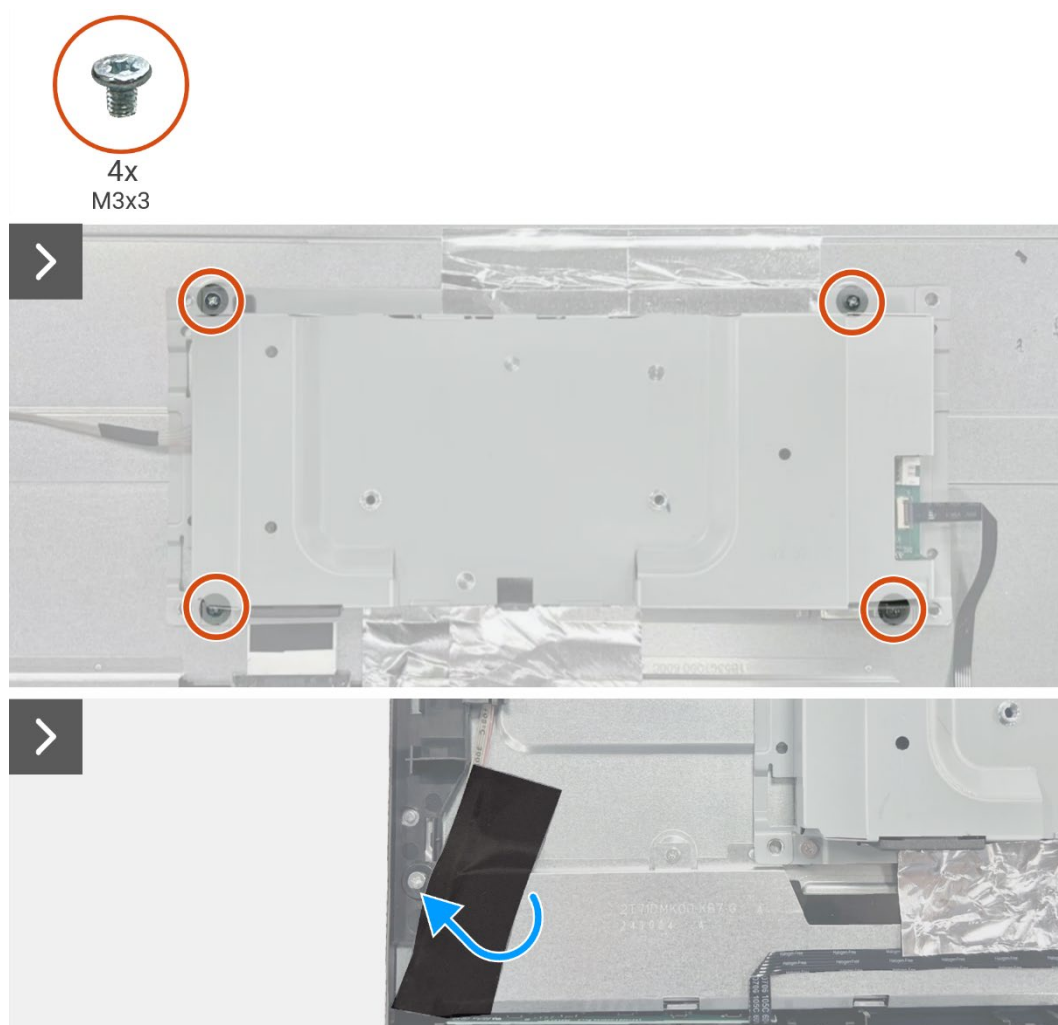


Figure 31. Removing the chassis assembly

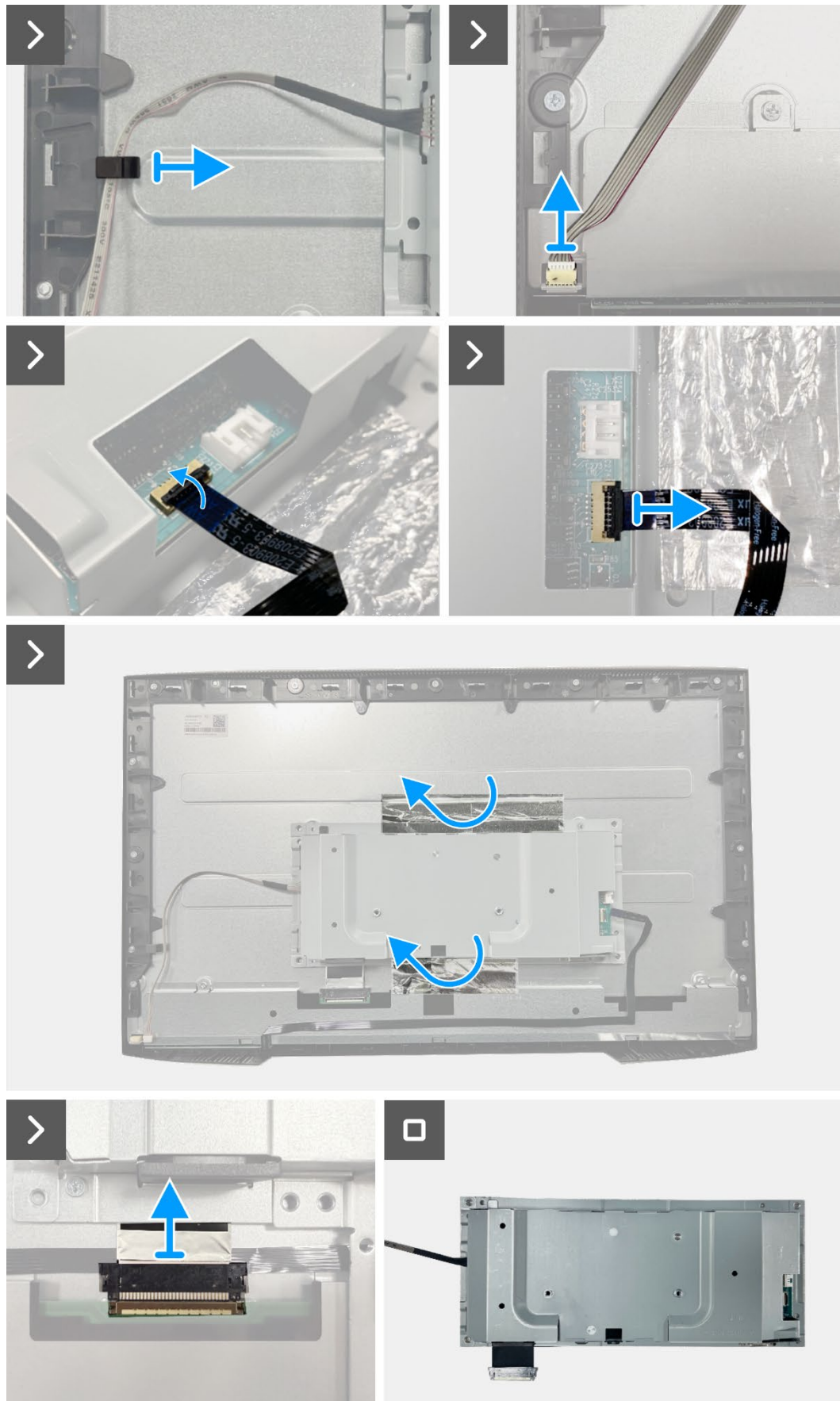


Figure 32. Removing the chassis assembly

Installing the chassis assembly

Steps

1. Align and place the chassis assembly on the display panel.
2. Connect the LVDS cable to the connector on the display panel.
3. Replace the four screws (M3x3) that secure the chassis assembly to the display panel.
4. Adhere the two aluminum foils to the chassis assembly.
5. Connect the keypad cable to the connector on the interface board. Close the latch after connecting the keypad cable to the connector.
6. Connect the lightbar cable to the panel.
7. Place the lightbar cable into the cable management slot on the display middle-frame.
8. Adhere the tape to cover the lightbar connector.

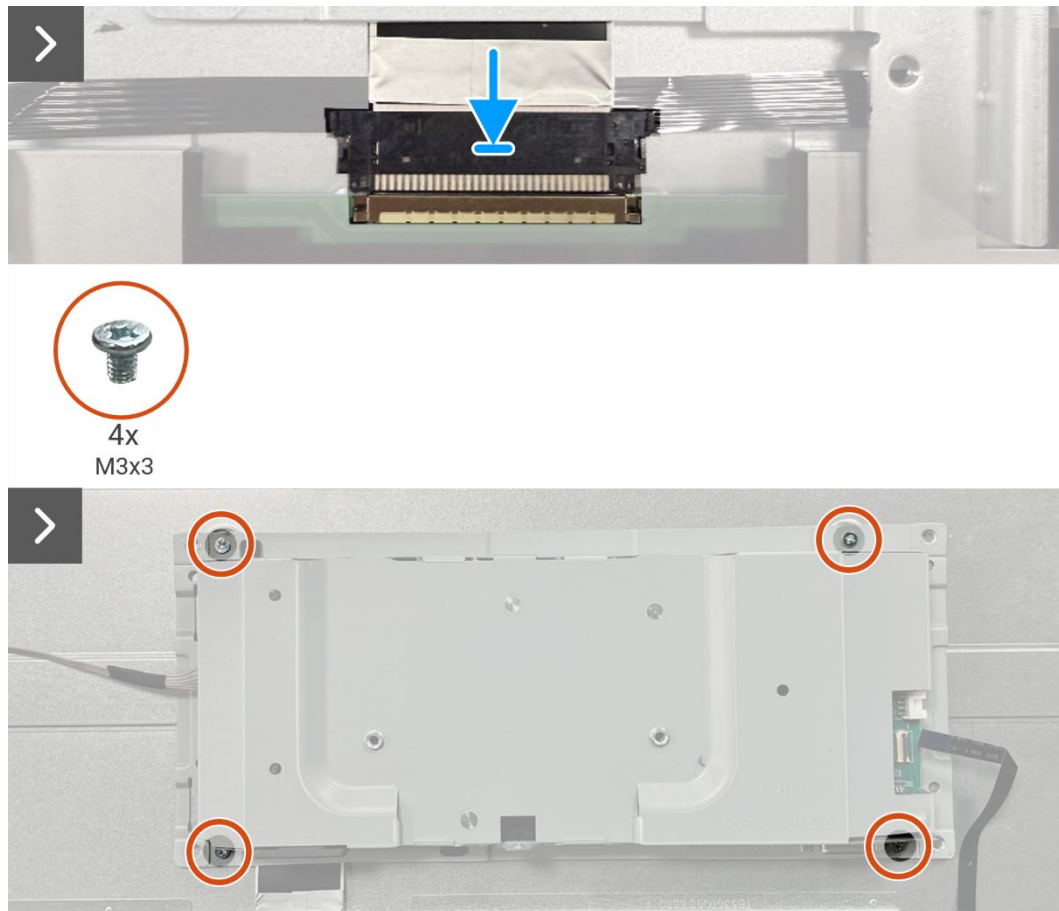


Figure 33. Installing the chassis assembly

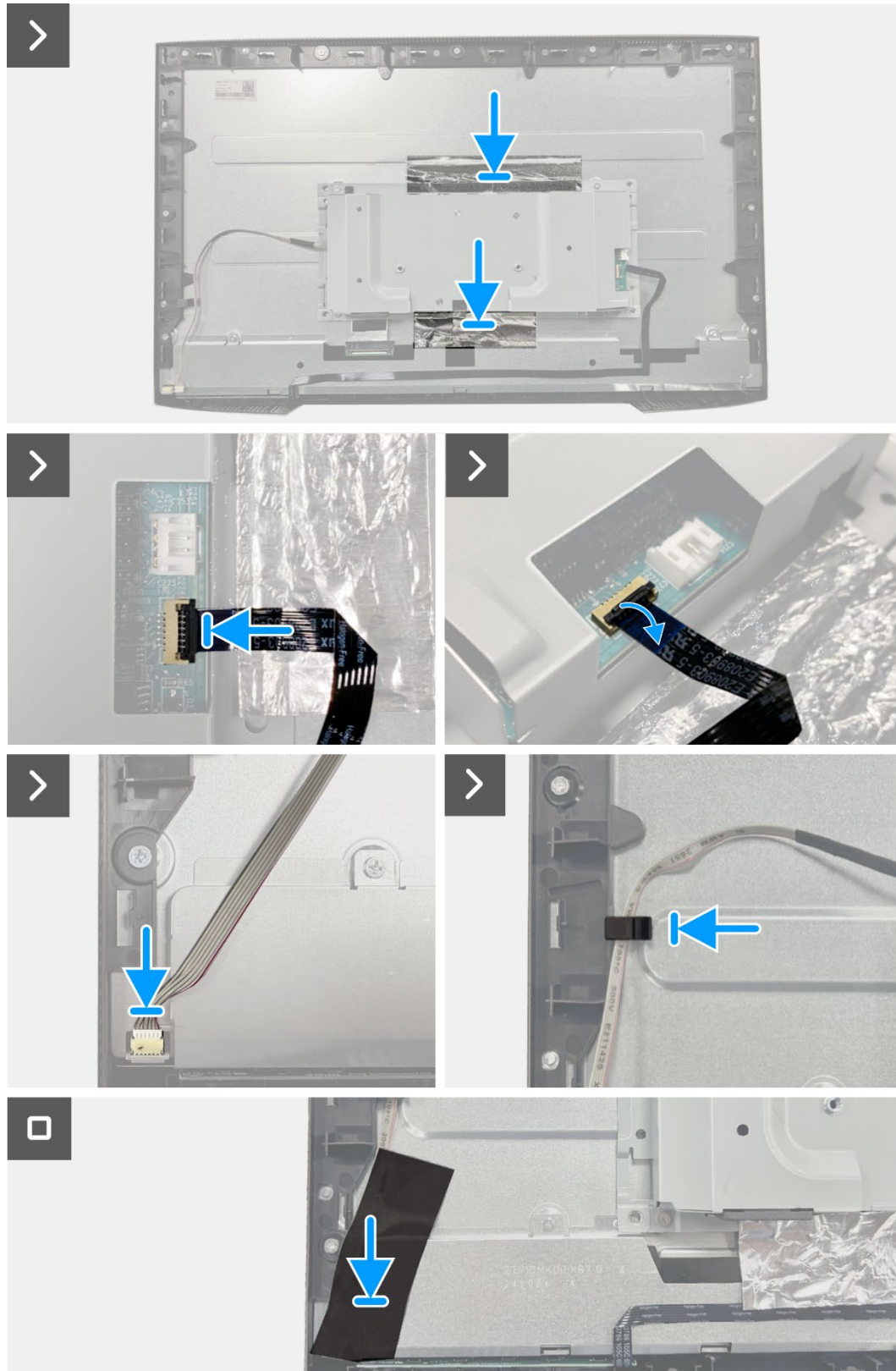


Figure 34. Installing the chassis assembly

Next steps

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

Keypad board

Removing the keypad board

Prerequisites

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

Steps

1. Remove the keypad board from the slot on the display middle-frame.
2. Peel the keypad cable from the panel shielding.

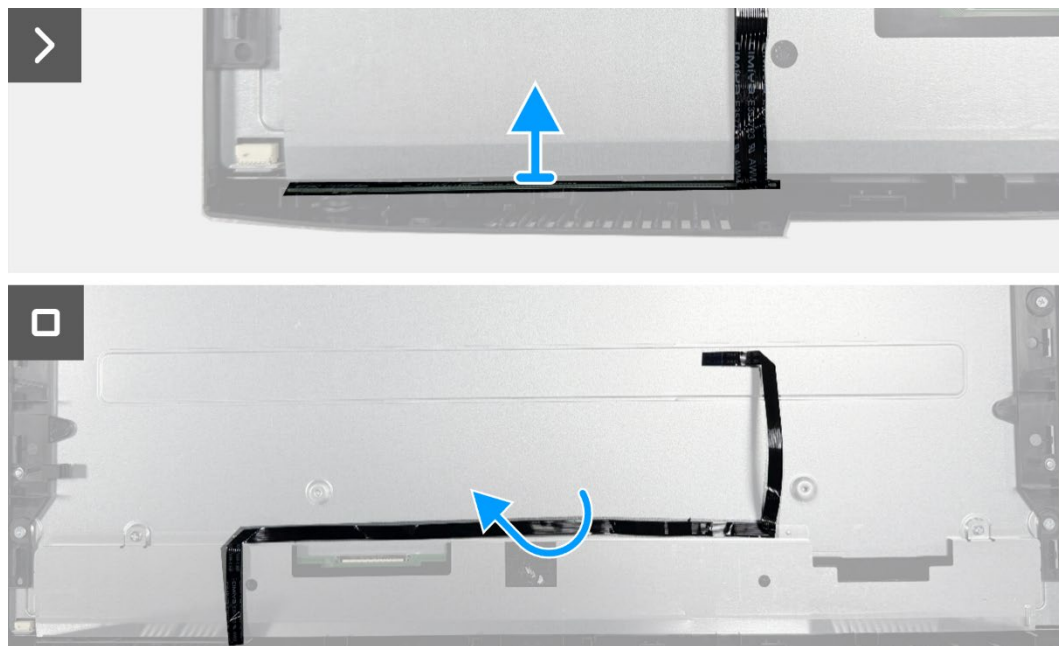


Figure 35. Removing the keypad board

Installing the keypad board

Steps

1. Align and place the keypad board onto the display middle-frame.
2. Adhere the keypad cable on the panel shielding.

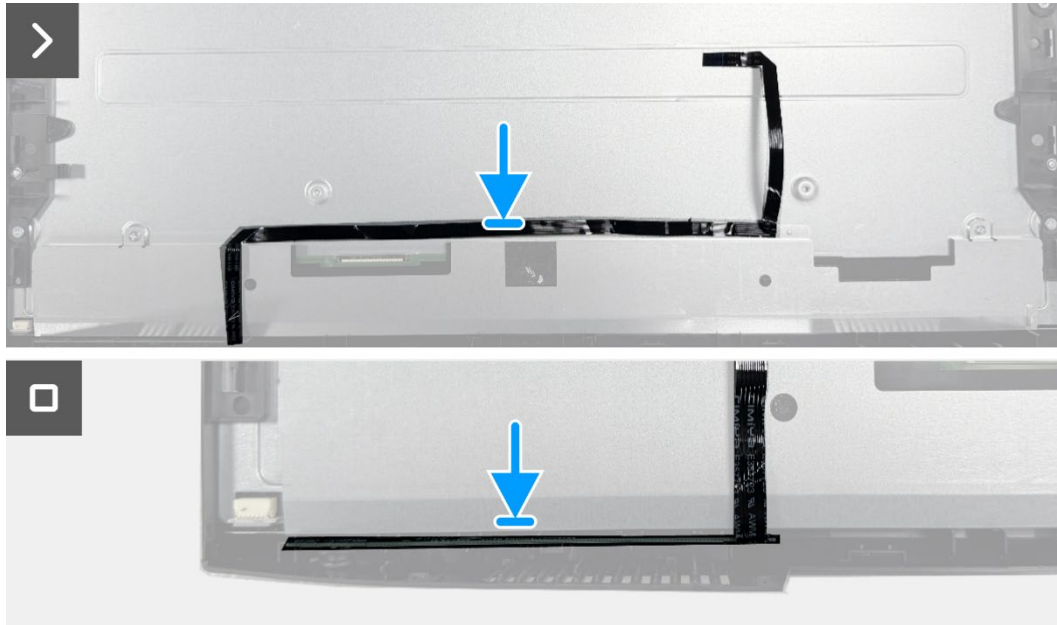


Figure 36. Installing the keypad board

Next steps

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

Interface board

Removing the interface board

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Remove the [speakers.](#)
5. Remove the [chassis assembly.](#)
6. Remove the [keypad board.](#)

Steps

1. Remove the two hex screws from the VGA port.
2. Remove the mylar and peel the thermal pad from the chassis assembly.
3. Remove the five screws (M3x6) that secure the interface board and power board to the chassis assembly.
4. Remove the screw (M4x9) that secures the power board to the chassis assembly.
5. Remove the interface board and power board from the chassis.
6. Disconnect the power cable from the connector on the interface board.
7. Disconnect the LVDS cable from the connector on the interface board.



Figure 37. Removing the interface board

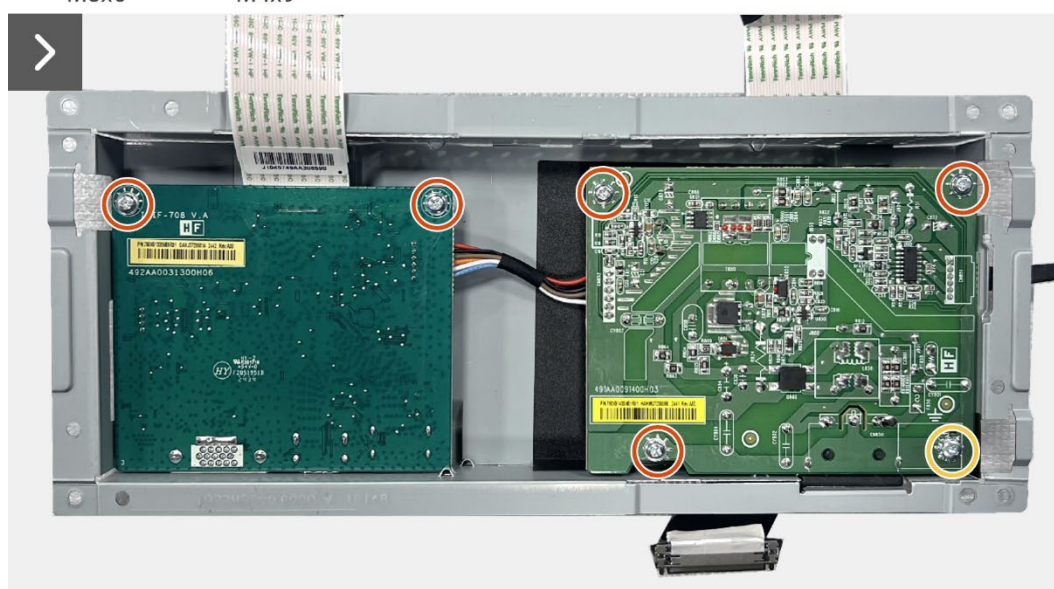
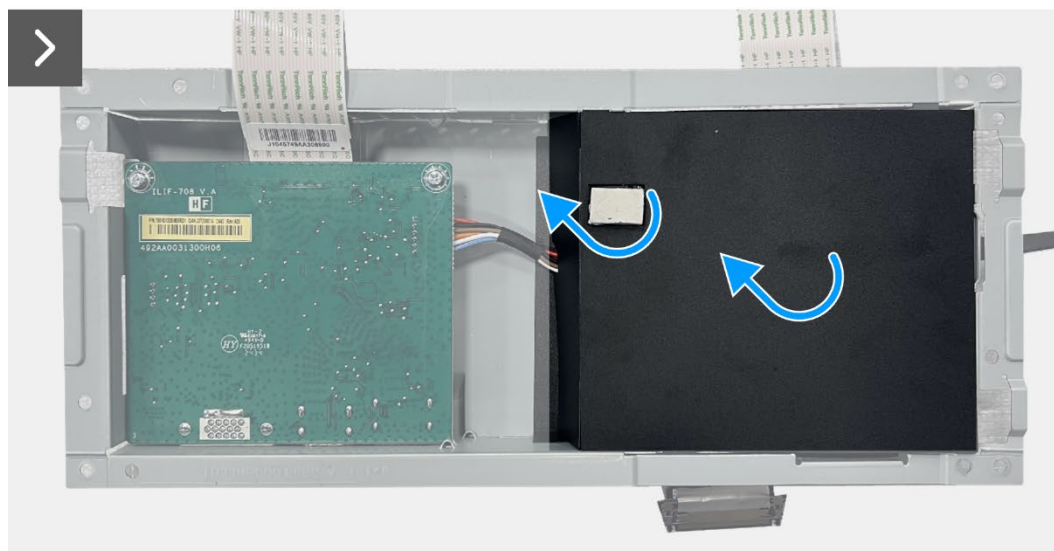


Figure 38. Removing the interface board

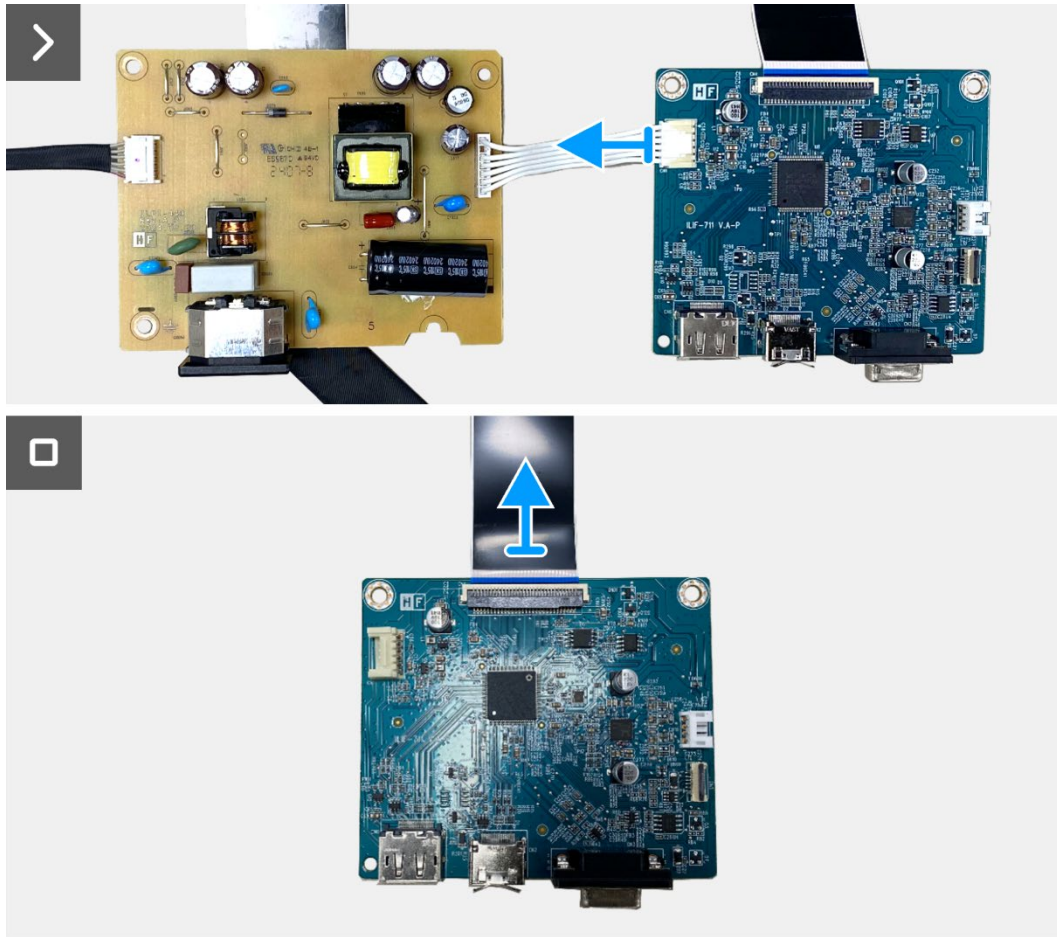


Figure 39. Removing the interface board

Installing the interface board

Steps

1. Connect the LVDS cable to the connector on the interface board.
2. Connect the power cable to the connector on the interface board.
3. Align and place the interface board and power board to the chassis.
4. Replace the five screws (M3x6) to secure the interface board to the chassis assembly.
5. Replace the screw (M4x9) to secure the power board to the chassis assembly.
6. Attach the mylar and adhere thermal pad to the chassis assembly.
7. Replace the two hex screws to secure the VGA port.

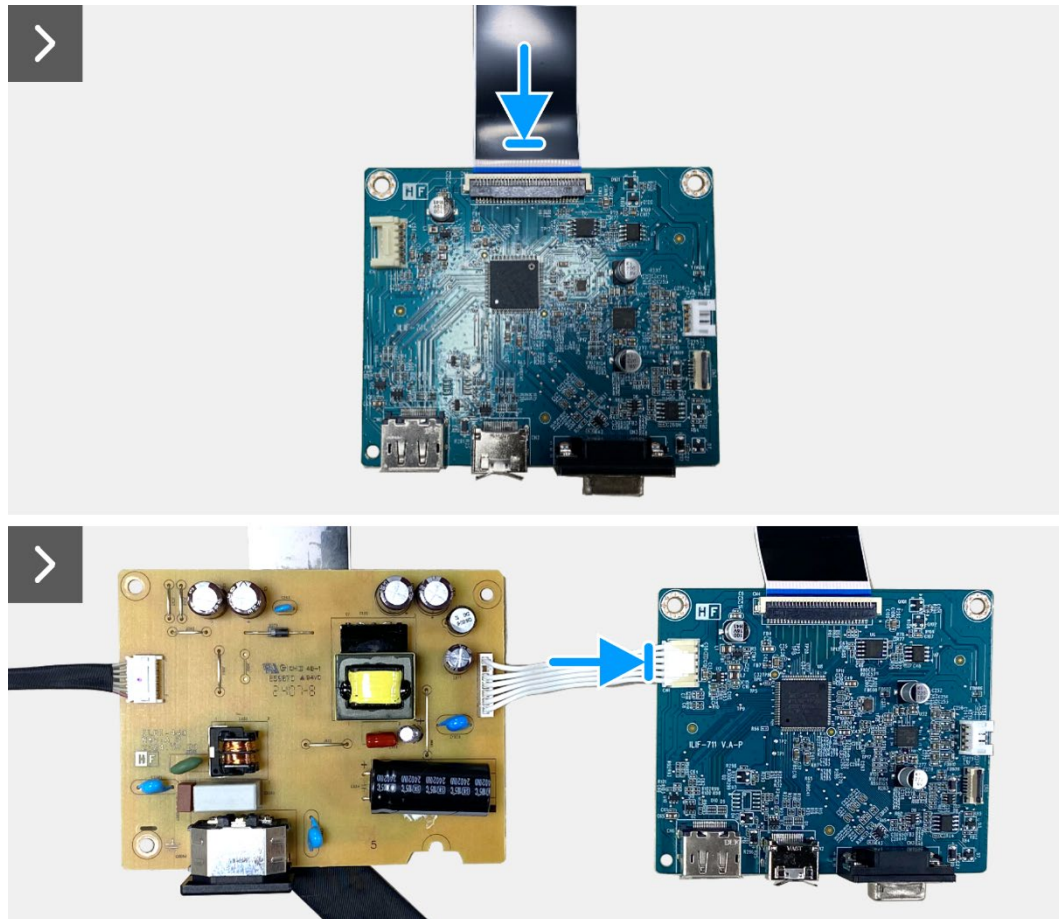


Figure 40. Installing the interface board

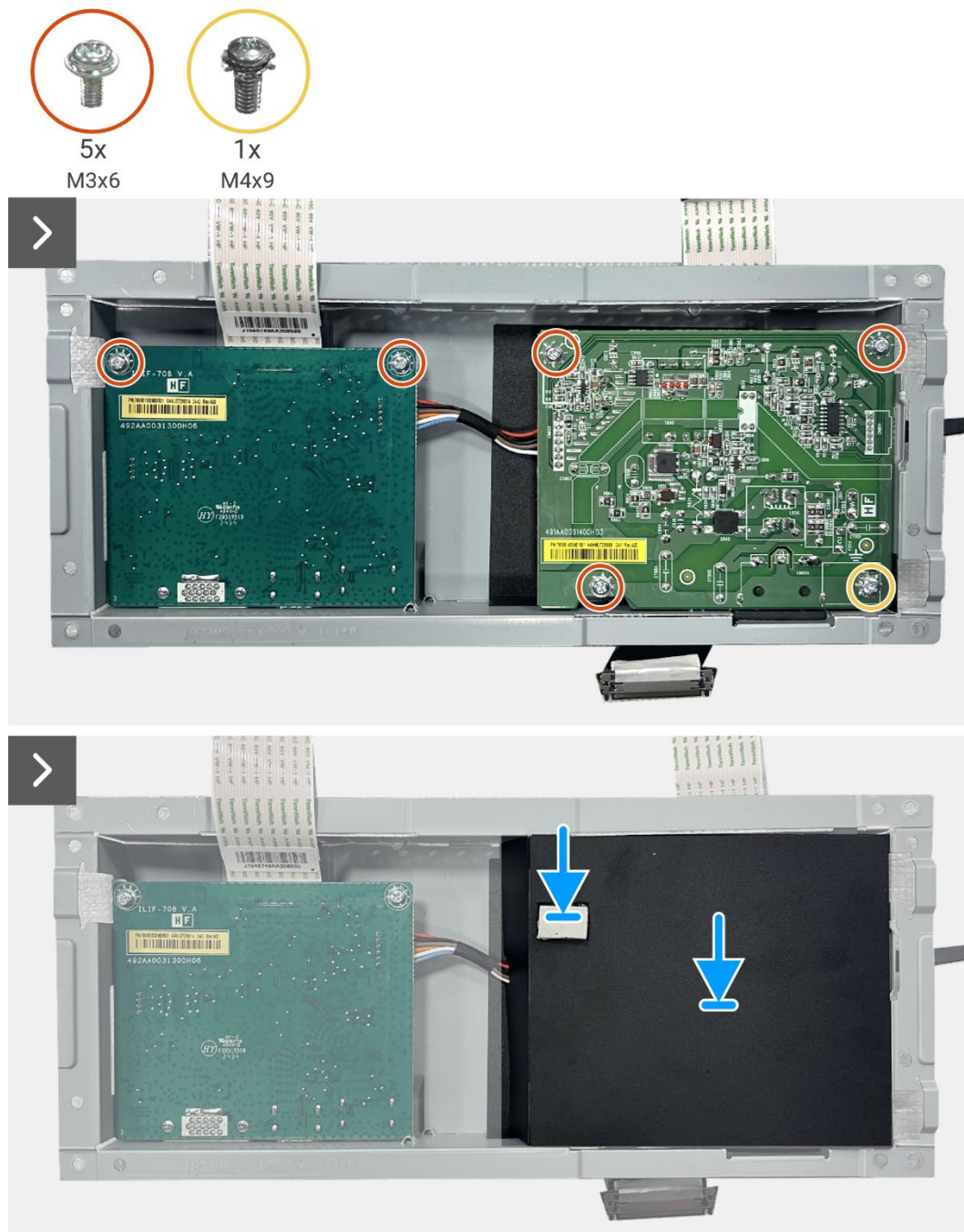


Figure 41. Installing the interface board



Figure 42. Installing the interface board

Next steps

1. Install the [keypad board](#).
2. Install the [chassis assembly](#).
3. Install the [speakers](#).
4. Install the [back cover](#).
5. Install the [stand](#).
6. Follow the procedure in [After working inside your monitor](#).

Installing the power board

Steps

1. Connect the lightbar cable to the connector on the power board.

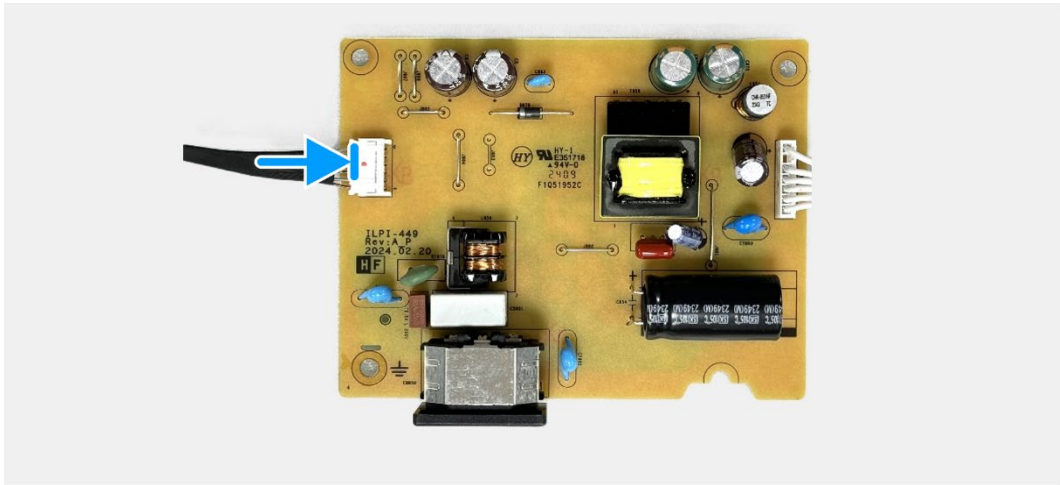


Figure 44. Installing the power board

Next steps

1. Install the [interface board](#).
2. Install the [keypad board](#).
3. Install the [chassis assembly](#).
4. Install the [speakers](#).
5. Install the [back cover](#).
6. Install the [stand](#).
7. Follow the procedure in [After working inside your monitor](#).

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

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