

Alienware 25 320Hz Gaming Monitor AW2525HM

Teardown Instruction

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 shipped with your monitor.

① **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 monitor that supports it) can 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 press 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 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 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.
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 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

⚠ **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 caused by unauthorized servicing will not be covered under the warranty.

Recommended tools

The procedures in this document may require the following tools:

- Phillips screwdriver #0
- Phillips screwdriver #2
- Penknife

Screw list

- ① **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.
- ① **NOTE:** Some monitors 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 type	Quantity	Screw image
Back Cover	M4x10	4	
USB board	M3x6	2	
Joystick board	M3x6	2	
Main chassis	M3x3	4	
Middle frame	M3x5	8	
Power board groundwire	M4x8	1	
Power board	M3x6	4	
Main board	M3x6	3	
Power Key board	M2x2.4	1	
Front trim	M2x3.3	2	

Stand

Removing the stand

Prerequisites

1. Follow the procedure in [Before working inside your monitor](#).
- △ **CAUTION:** To prevent scratches on the screen when removing the stand, ensure that the monitor is placed on a soft surface and handle it carefully.
 - △ **CAUTION:** The following steps are specifically for removing the stand that is shipped with your monitor. If you are removing a stand that you purchased from any other source, follow the setup instructions that are included with the stand.
 - ① **NOTE:** Before removing the stand, ensure that you have disconnected all the cables from the monitor.

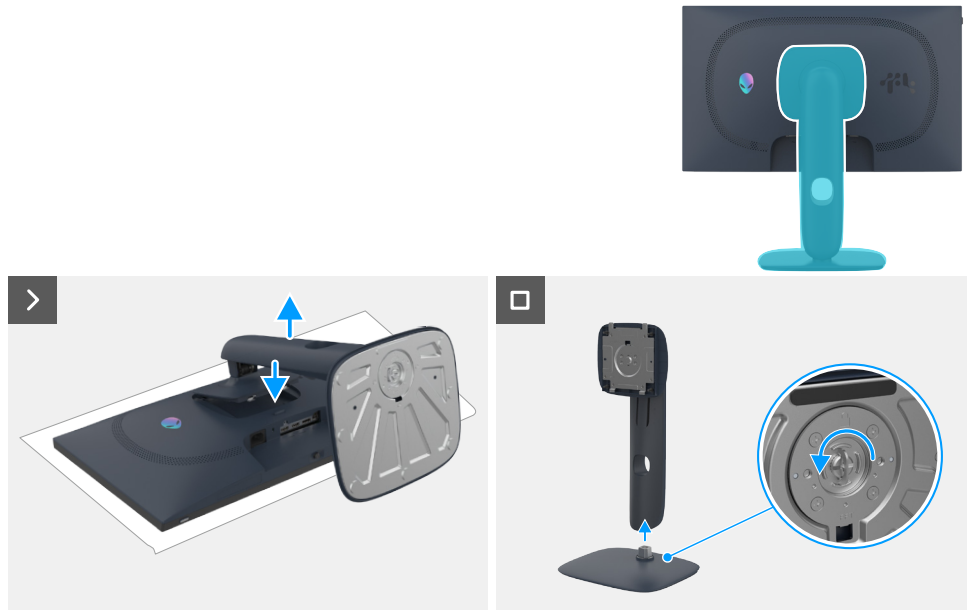


Figure 1. Removing the stand

Steps

1. Set the monitor on a clean, flat surface with a soft cloth or cushion underneath.
2. Press and hold the stand release button at the back of the display.
3. Lift the stand assembly up and away from the monitor.
4. Open the screw handle at the bottom of the stand base and turn it anticlockwise to unlock the riser from the base.
5. Detach the stand riser from the stand base.

Installing the stand



Figure 2. Installing the stand

Steps

1. Align and insert the stand riser into the stand base until it snaps into place.
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. Align the tabs on the stand with the grooves at the back of the monitor.
5. Slide and gently press the stand assembly until it snaps into place.

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](#).

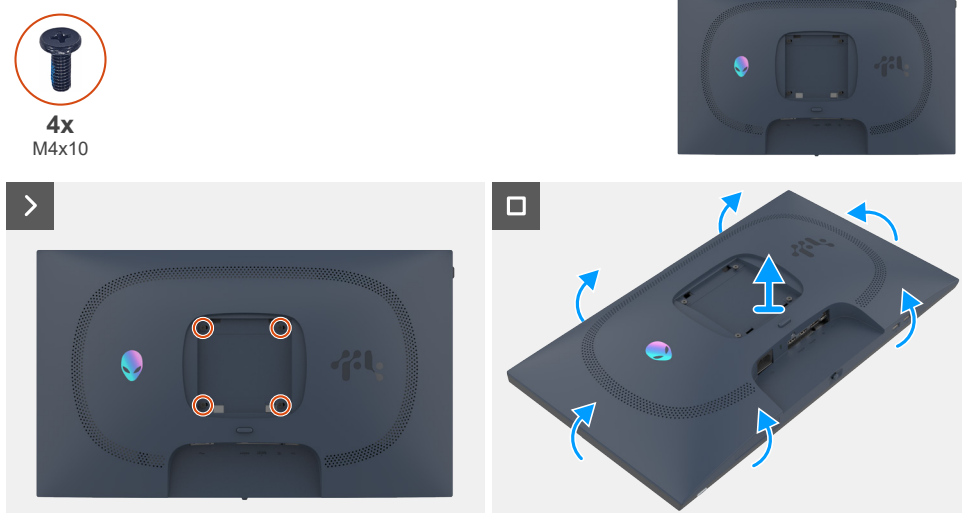


Figure 3. Removing the back cover

Steps

1. Remove the four screws (M4x10) that secure the back cover to the display assembly.
2. Using both hands, start prying the back cover off from the left and right sides, then proceed to the top and bottom.
3. Lift the back cover partially from the bottom edge.

Installing the back cover

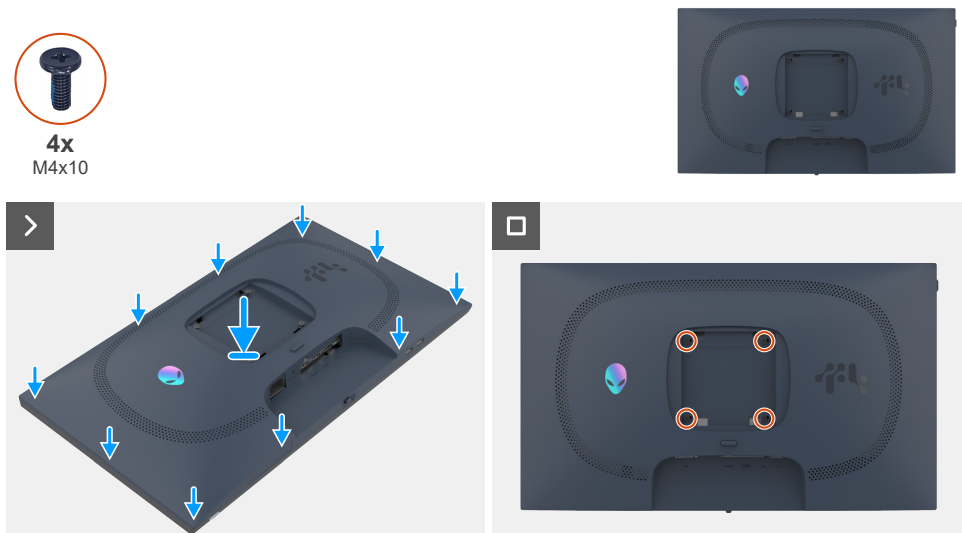


Figure 4. Installing the back cover

Steps

1. Align the slots on the back cover with the slots on the chassis, then press along the sides to snap the back cover into place.
2. Replace four screws (M4x10) that secure the back cover to the display assembly.

Next steps

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

USB board

Removing the USB board

Prerequisites

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

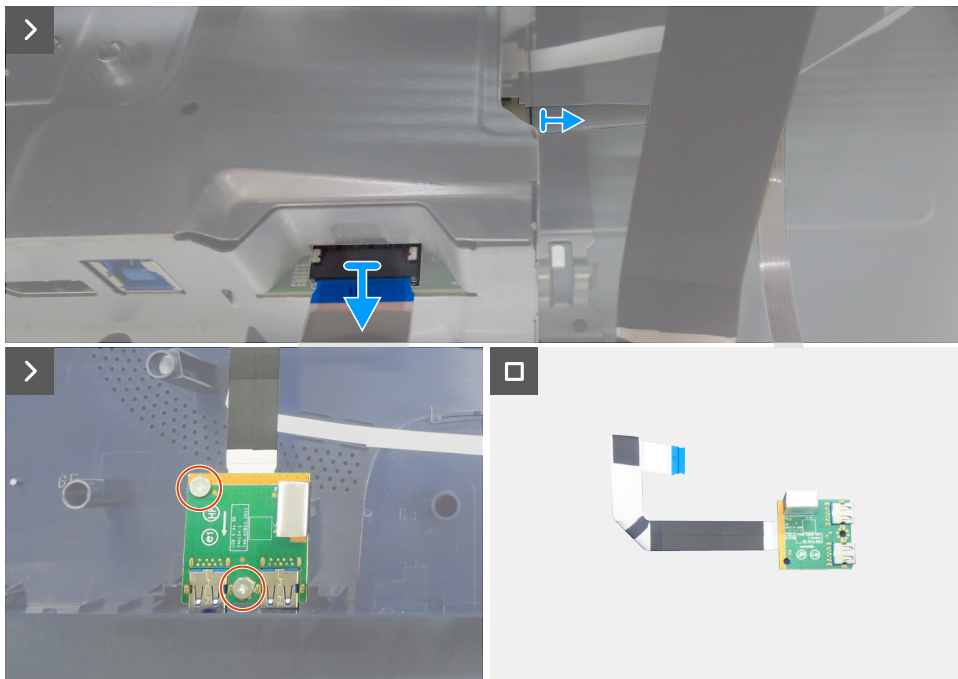
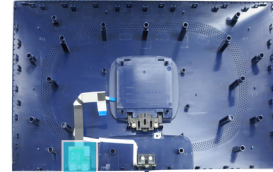


Figure 5. Removing the USB board

Steps

1. Disconnect the USB cable and Joystick board cable from the main board.
2. Remove the two screws (M3x6) that secure the USB board to the back cover.
3. Remove the USB board from the main board.

Installing the USB board



Figure 6. Installing the USB board

Steps

1. Take one electrically conductive foam to the copper of the USB board.
2. Align the screw hole on the USB board with the screw hole on the back cover.
3. Replace the two screws (M3x6) that secure the USB board to the back cover.
4. Connect the USB cable and Joystick board cable to the main board.

Next steps

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

Joystick board

Removing the Joystick board

Prerequisites

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

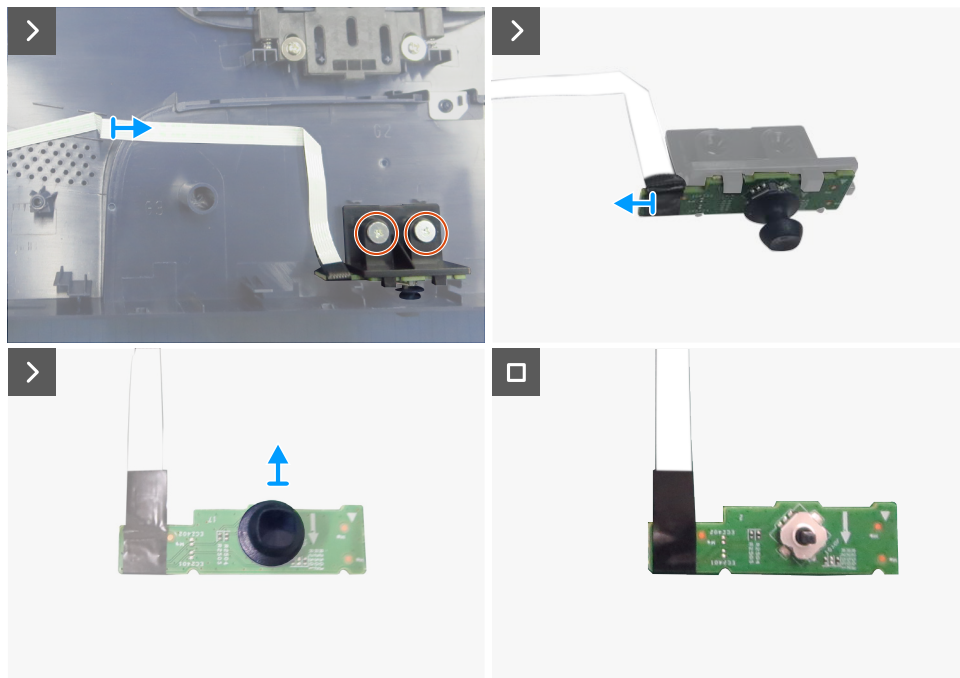
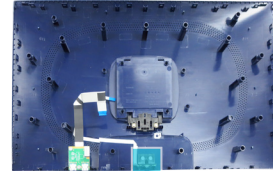


Figure 7. Removing the Joystick board

Steps

1. Remove the two screws (M3x6) that secures the Joystick board to the back cover.
2. Remove the joystick board from the holder.
3. Pull the joystick cap off the joystick board.

Installing the Joystick board

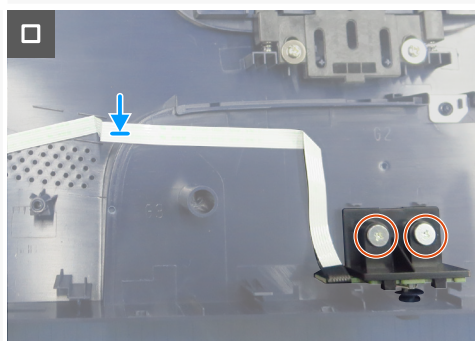
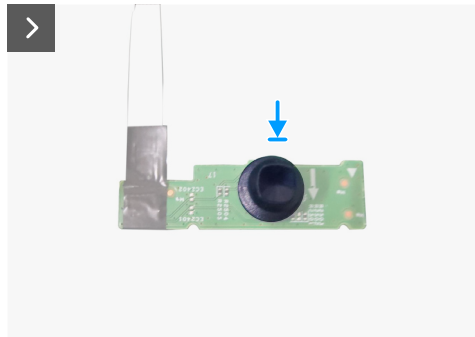
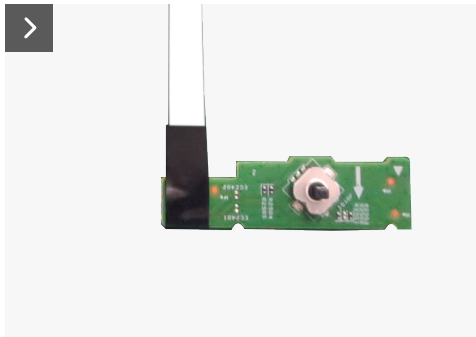
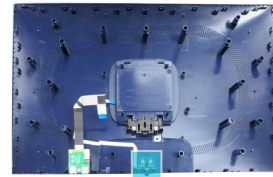


Figure 8. Installing the Joystick board

Steps

1. Attach the joystick cap to the joystick board.
2. Reattach the joystick board to the holder.
3. Replace two screws (M3x6) that secure the Joystick board to the back cover.
4. Adhere the joystick cable to the back cover.

Next steps

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

Main chassis

Removing the main chassis

Prerequisites

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

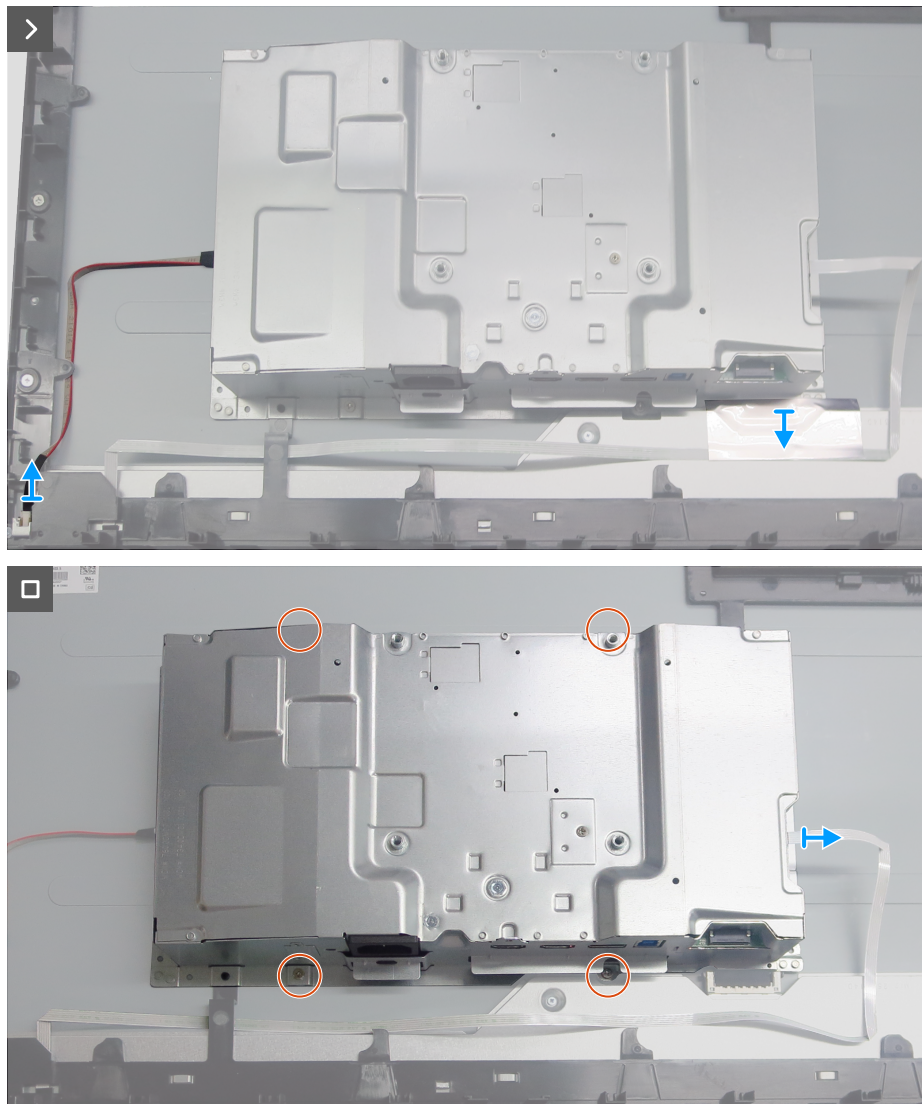
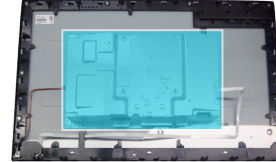


Figure 9. Removing the main chassis

Steps

1. Disconnect the lightbar cable and peel the aluminum foil to disconnect the eDP cable from its connectors.
2. Disconnect the Keypad cable on the main board.
3. Remove the four screws (M3x3) that secure the main chassis to the display panel.
4. Lift and remove the main chassis away from the display panel.

Installing the main chassis

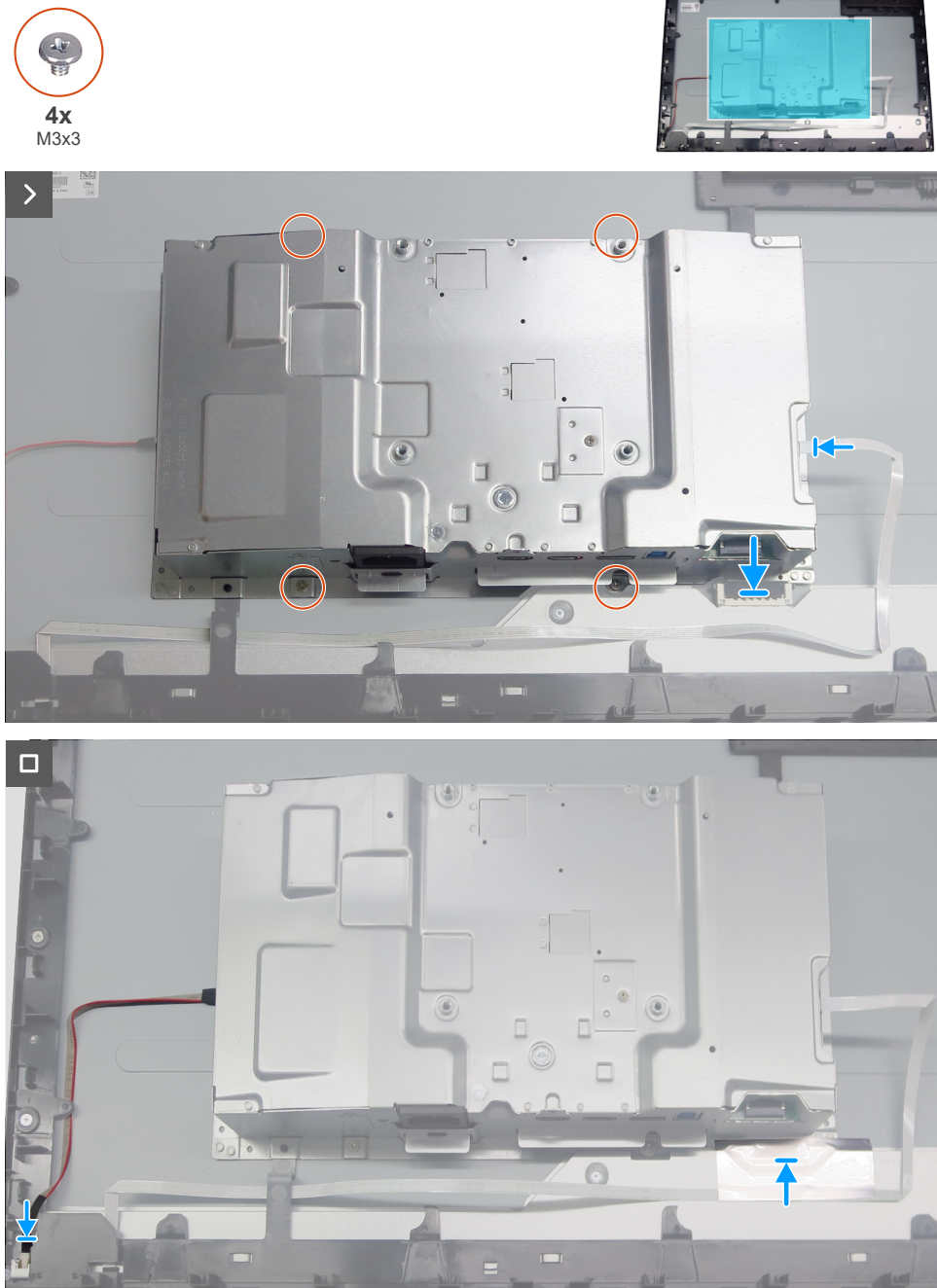


Figure 10. Installing the main chassis

Steps

1. Align the screw holes on the main chassis with the screw holes on the display panel.
2. Connect the Keypad cable and eDP cable to the connectors of the display panel and main board.
3. Replace the four screws (M3x3) that secure the main chassis to the display panel.
4. Connect the lightbar cable to the connectors and adhere the aluminum foil.

Next steps

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

Middle frame and keypad board

Removing the middle frame and 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 [USB board.](#)
5. Remove the [Joystick board.](#)
6. Remove the [main chassis.](#)

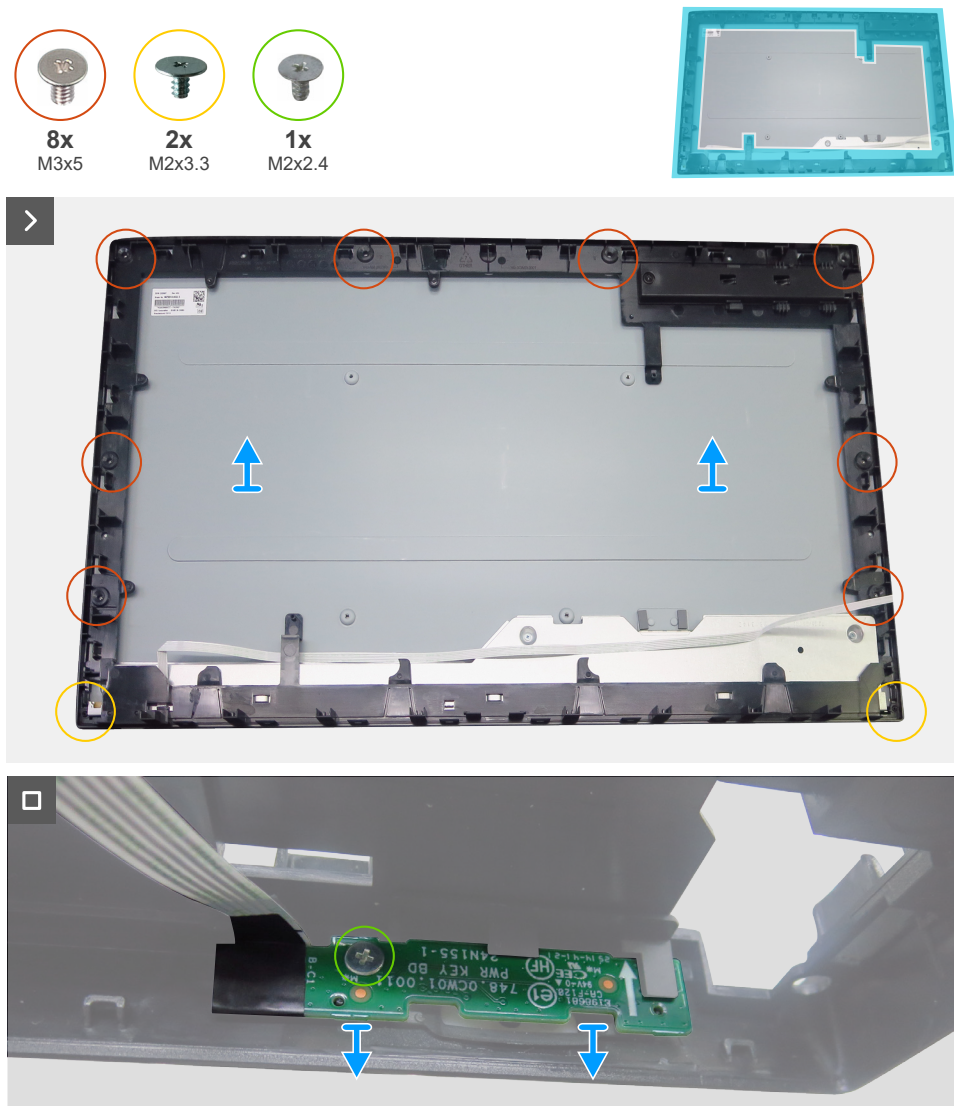


Figure 11. Removing the middle frame and keypad board

Steps

1. Remove eight screws (M3x5) of middle frame and two screws (M2x3.3) of front bezel that secure the middle frame to the display panel.
2. Lift and remove the middle frame away from the display panel.
3. Remove one screw (M2x2.4) and release the keypad board from the middle frame.

Installing the middle frame and keypad board

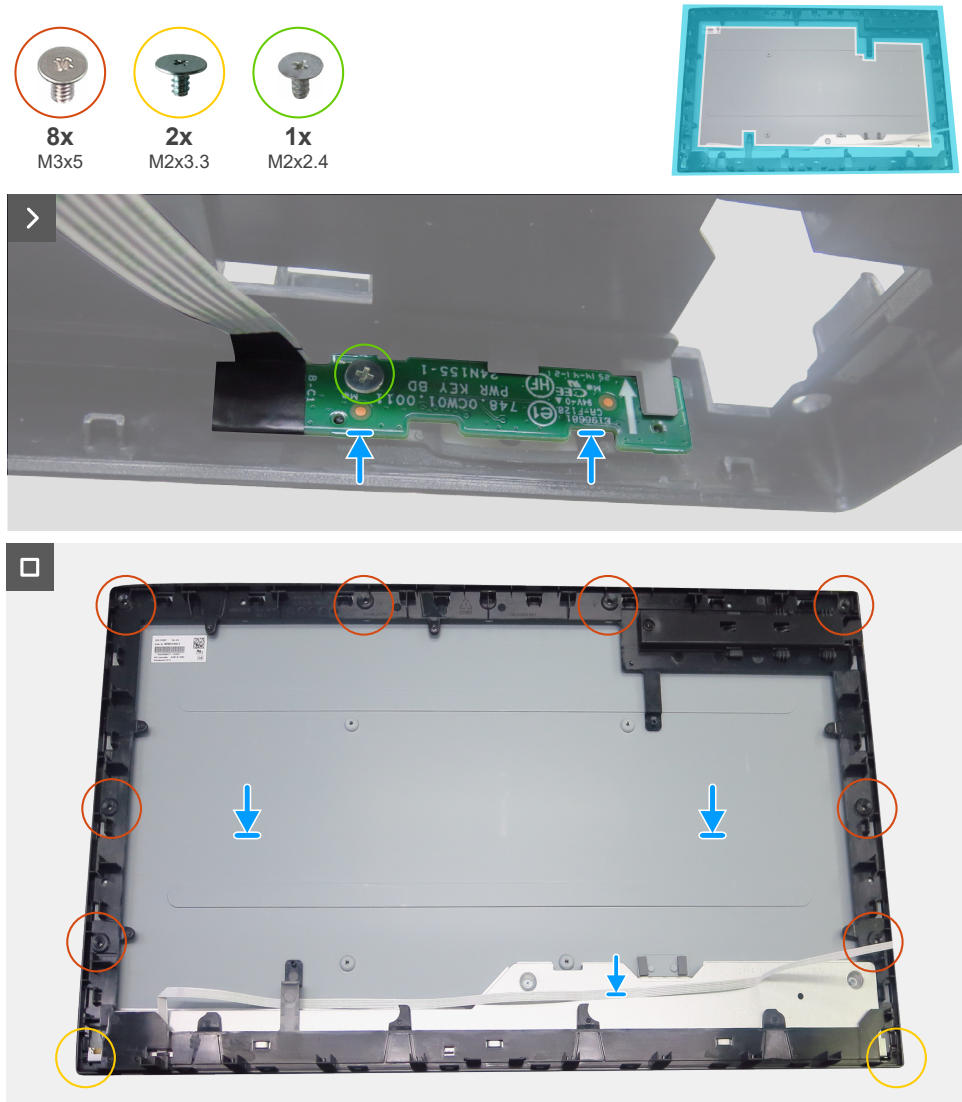


Figure 12. Installing the middle frame and keypad board

Steps

1. Align the keypad board with the tabs on the middle frame.
2. Replace the one screw (M2x2.4) that secures the keypad board to the middle frame.
3. Align the screw holes of the middle frame with the screw holes on the display panel and put it down, make sure that the Keypad cable is under middle frame and stick on the back of panel with tape.
4. Replace eight screws (M3x5) of middle frame and two screws (M2x3.3) that secure the middle frame to the display panel.

Next steps

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

Front bezel (trim)

Removing the front bezel

Prerequisites

1. Follow the procedure in [Before working inside your monitor.](#)
2. Remove the [stand.](#)
3. Remove the [back cover.](#)
4. Remove the [USB board.](#)
5. Remove the [Joystick board.](#)
6. Remove the [main chassis.](#)
7. Remove the [middle frame and keypad board.](#)



Figure 13. Removing the front bezel

Steps

1. Release the front bezel from the bottom of panel.
2. Lift and remove the front bezel off the panel.

Installing the front bezel



Figure 14. Installing the front bezel

Steps

1. Align the front bezel with the tabs on the panel.
2. Snap the front bezel back into place.

Next steps

1. Install the [middle frame and keypad board](#).
2. Install the [main chassis](#).
3. Install the [Joystick board](#).
4. Install the [USB board](#).
5. Install the [back cover](#).
6. Install the [stand](#).
7. Follow the procedure in [After working inside your monitor](#).

Main board

Removing the main board

Prerequisites

1. Follow the procedure in [Before working inside your monitor](#).
2. Remove the [stand](#).
3. Remove the [back cover](#).
4. Remove the [USB board](#).
5. Remove the [Joystick board](#).
6. Remove the [main chassis](#).
7. Remove the [middle frame and keypad board](#).
8. Remove the [front bezel](#).

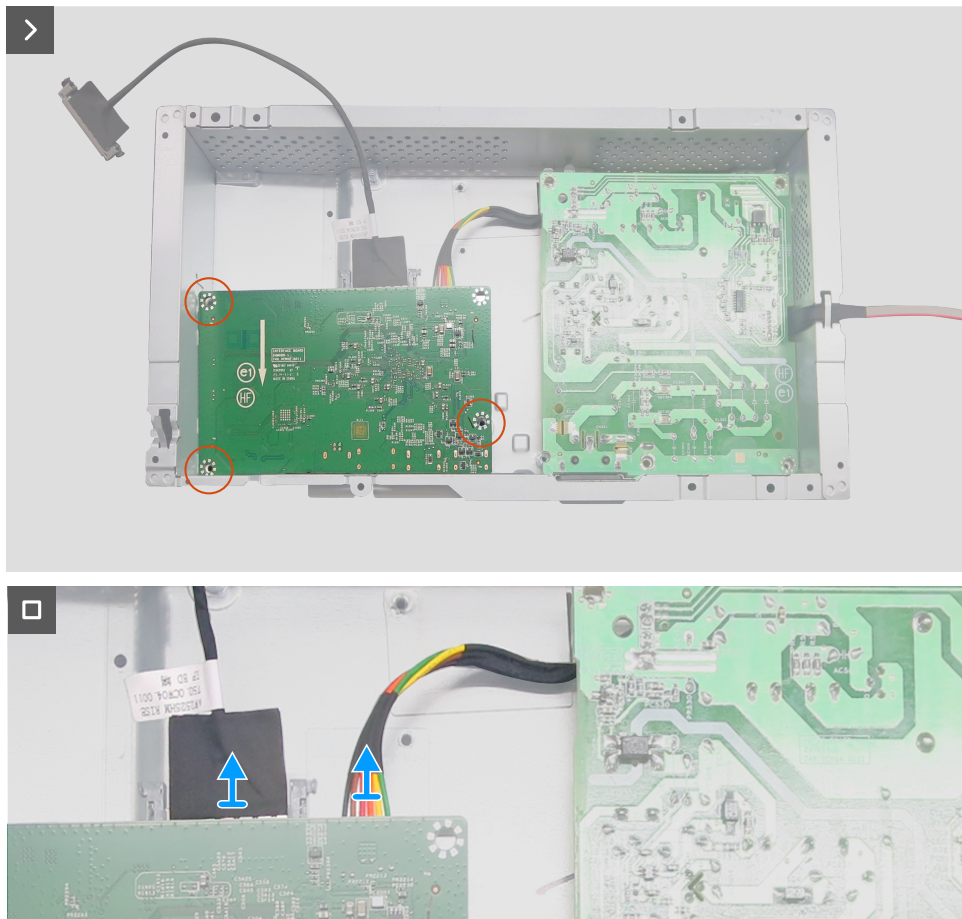
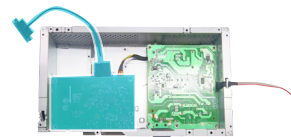


Figure 15. Removing the main board

Steps

1. Remove the three screws (M3x6) that secure the main board to the main chassis.
2. Disconnect the eDP cable and connector cable from the connector on the main board.

Installing the main board

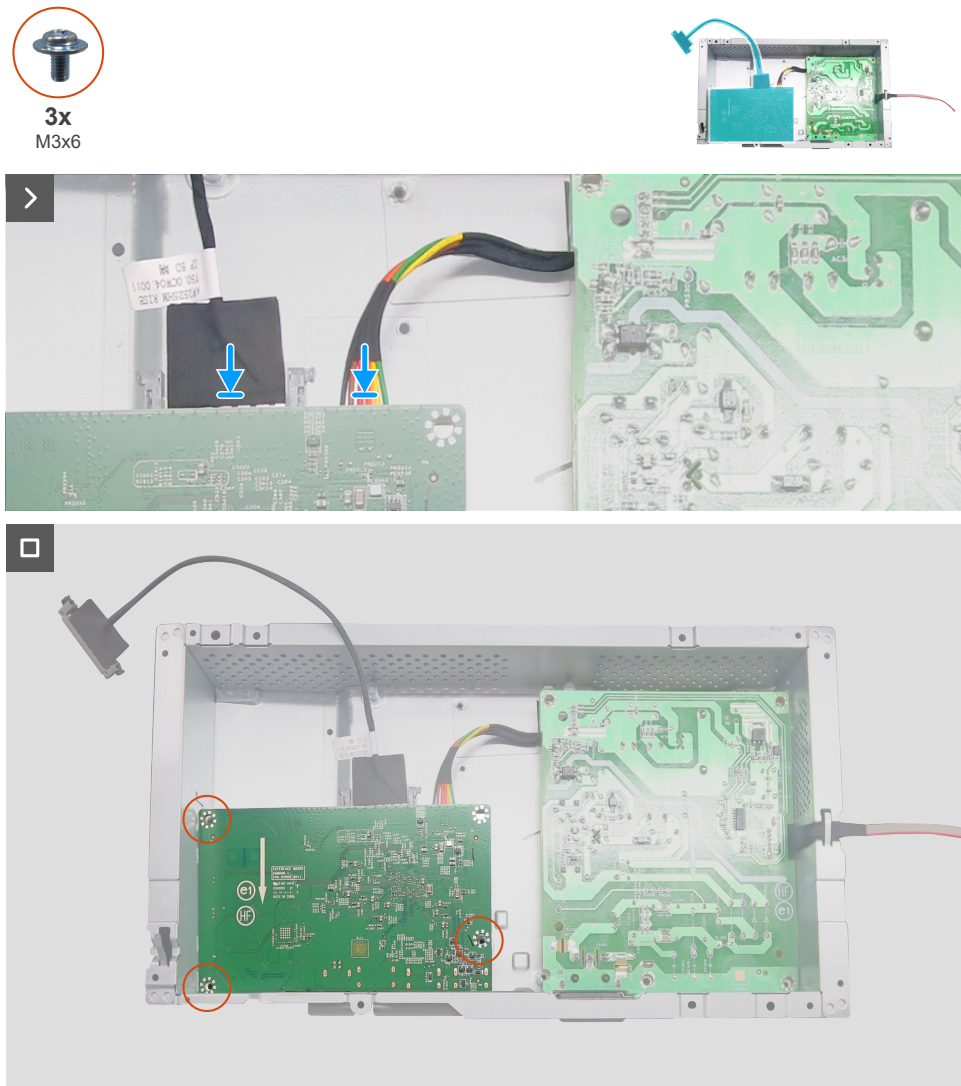


Figure 16. Installing the main board

Steps

1. Connect the eDP cable and connective cable to the connector on the main board.
2. Align the screw holes of the main board with the holes on the main chassis.
3. Replace the three screws (M3x6) that secure the main board to the main chassis.

Next steps

1. Install the [front bezel](#).
2. Install the [middle frame and keypad board](#).
3. Install the [main chassis](#).
4. Install the [Joystick board](#).
5. Install the [USB board](#).
6. Install the [back cover](#).
7. Install the [stand](#).
8. 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 [USB board.](#)
5. Remove the [Joystick board.](#)
6. Remove the [main chassis.](#)
7. Remove the [middle frame and keypad board.](#)
8. Remove the [front bezel.](#)
9. Remove the [main board.](#)

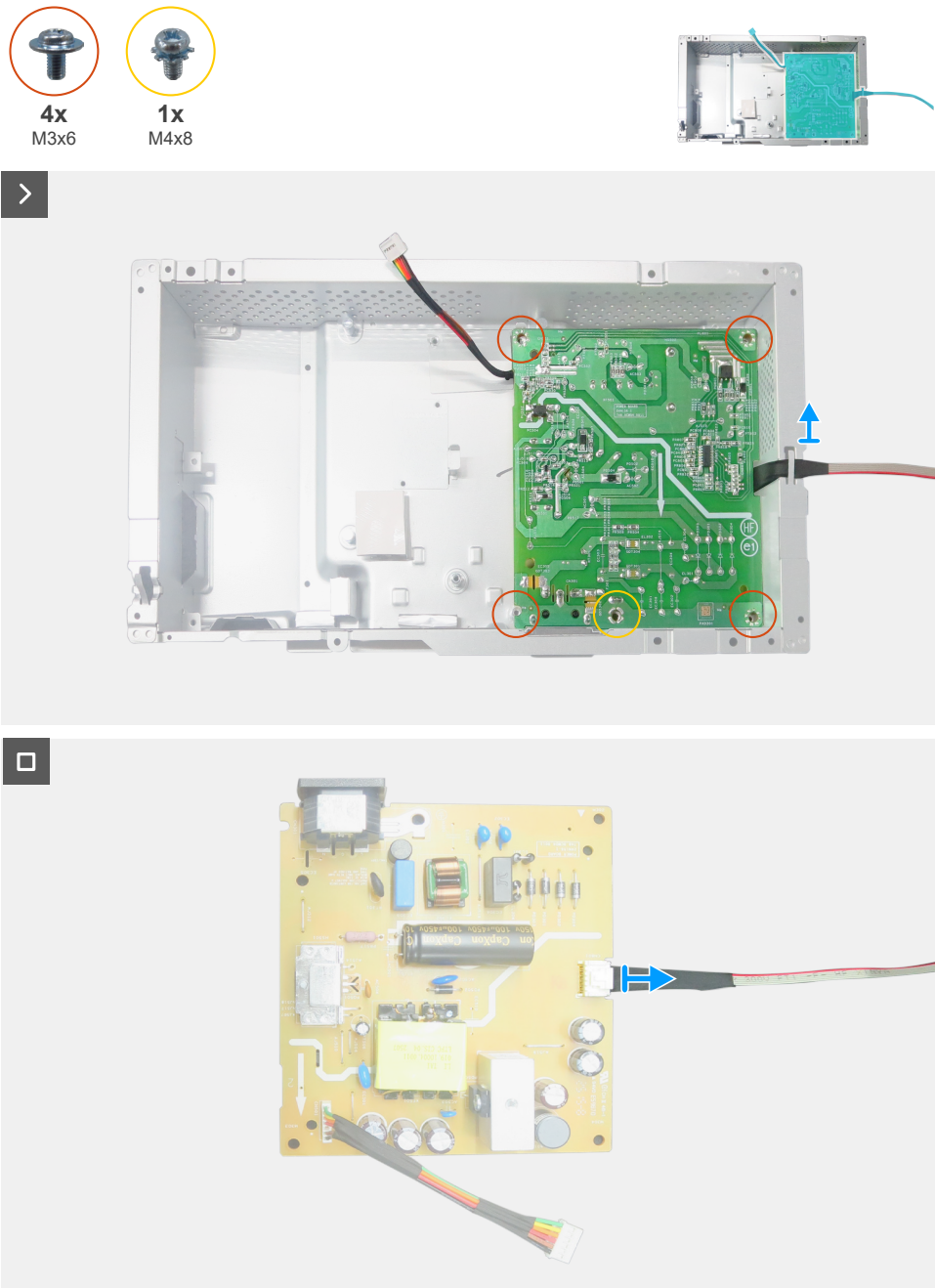


Figure 17. Removing the power board

Steps

1. Remove the five screws (four for M3x6 and one for M4x8) and release the lightbar cable that secures the power board to the main chassis.
2. Disconnect the lightbar cable from the connector on the power board.

Installing the power board

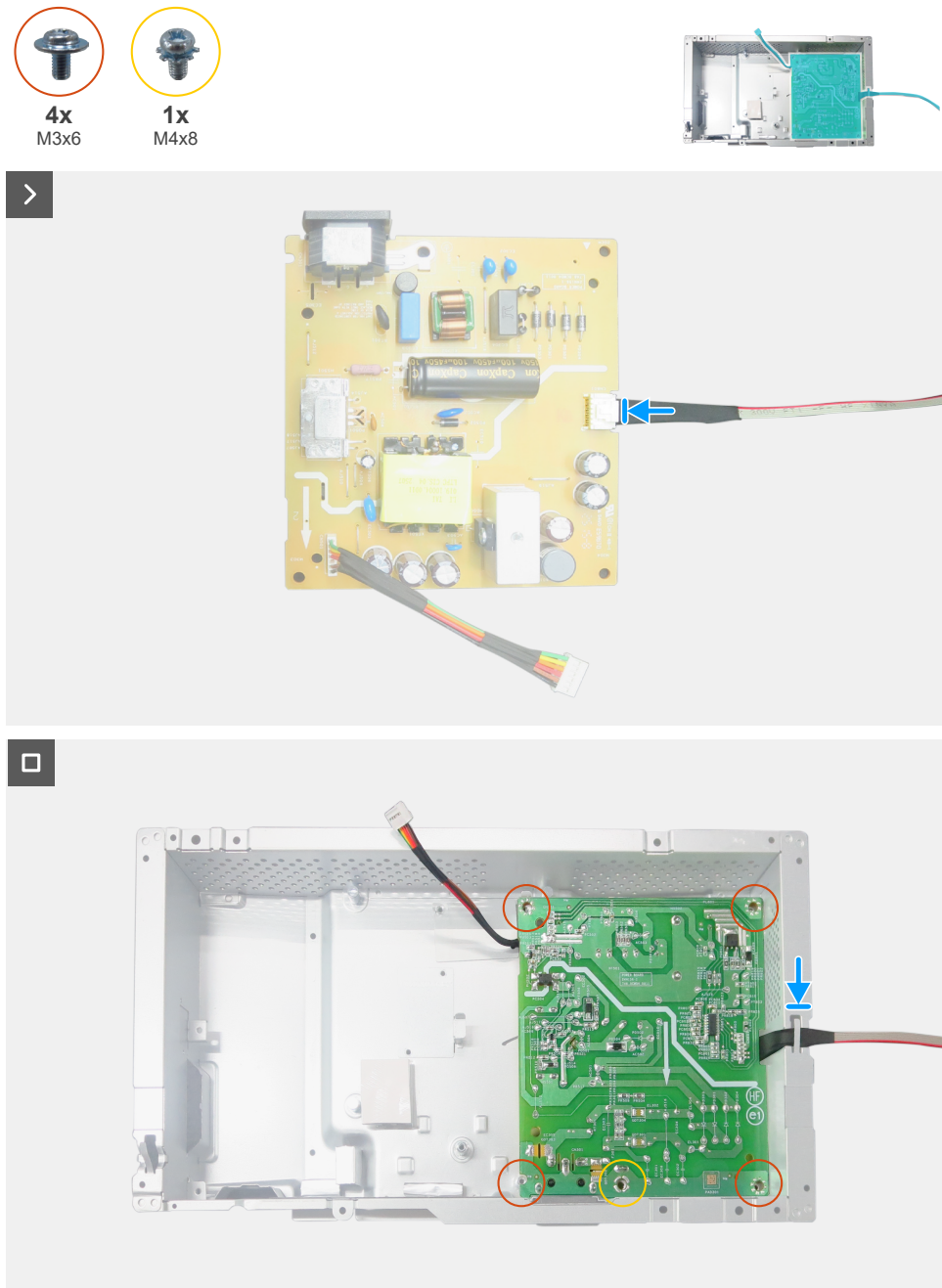


Figure 18. Installing the power board

Steps

1. Connect the lightbar cable to the connector on the power board.
2. Align the screw holes of the power board and snap the lightbar cable to the tab on the main chassis.
3. Replace the five screws (four for M3x6 and one for M4x8) that secure the power board to the main chassis.

Next steps

1. Install the [main board](#).
2. Install the [front bezel](#).
3. Install the [middle frame and keypad board](#).

4. Install the [main chassis](#).
5. Install the [Joystick board](#).
6. Install the [USB board](#).
7. Install the [back cover](#).
8. Install the [stand](#).
9. 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.