MacBook Pro (14-inch, 2023) Display

Before You Begin

Remove the following parts before you begin:

- Bottom case
- Vent/antenna module
- Display hinge covers

Tools

- Adjustable torque driver (0.3–1.2 Nm)
- Nylon probe (black stick)
- Torque driver (blue, 0.65 kgf cm)
- Torx Plus 3IP 44mm half-moon bit
- · Torx Plus 8IP bit

Caution

- This procedure requires System Configuration. After you've completed all removal and reassembly steps, learn how to initiate the <u>System Configuration</u> process.
- If you're installing a replacement display, you must also install a replacement lid angle sensor.

Removal

1. Use the blue torque driver and 3IP bit to remove the two 3IP screws (923-06854) from the lid angle sensor connector cowling. Remove the cowling and save it for reassembly.



2. Use the black stick to lift the end of the lid angle sensor flex cable off the connector.

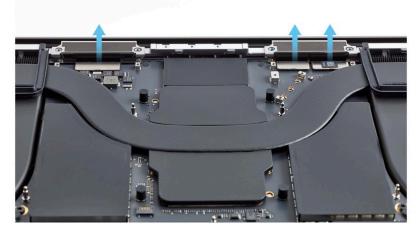




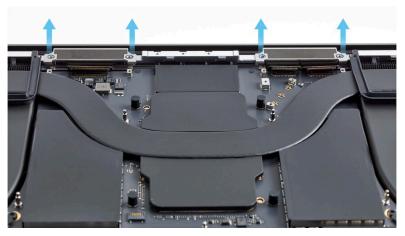
Use the blue torque driver and 3IP bit to remove the four 3IP screws (923-06854) from the two display connector cowlings. Remove the cowlings and save them for reassembly.



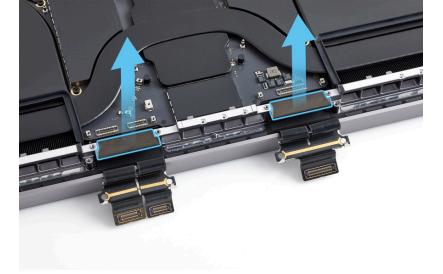
4. Lift the ends of the display backlight power flex cable, FaceTime HD camera flex cable, and eDP flex cable off the connectors.



5. Lift the display cable clips off the internal frame of the top case. Gently fold them back over the edge of the top case to reveal the display cable bumpers underneath.



6. Lift the display cable bumpers out of the top case. Save them for reassembly.

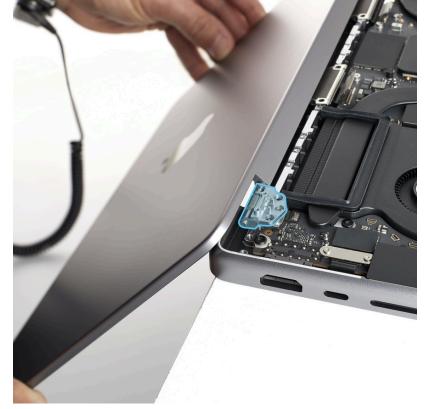


- 7. Open the computer and place it facedown on a clean surface with the display hanging down over the edge of the table.
- 8. Use the 0.3–1.2 Nm adjustable torque driver and 8IP bit to remove the six 8IP screws (923-07042) from the display hinges in the order shown.



9. Pull the display toward you about 30 degrees (1). Then lift the display up and ensure that the hinges clear the edge of the top case (2).





10. Remove the display from the top case as shown.



Reassembly

Important:

- If you're installing a replacement display, begin at step 1. Ensure that you remove all protective liners and tape from a replacement display.
- If you're reinstalling the existing display, skip to reassembly step 2.
- 1. Remove the existing lid angle sensor and install a replacement lid angle sensor.
- 2. Position the display in the top case as shown.



3. Use the 0.3–1.2 Nm adjustable torque driver and 8IP bit to partially reinstall the six 8IP screws (923-07042) into the display hinges in the order shown.



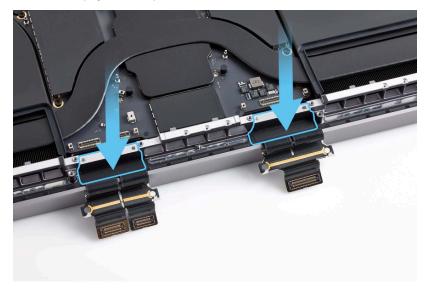
4. Close the display and stand the computer on its edge. Adjust the display until it's flush with the top case.



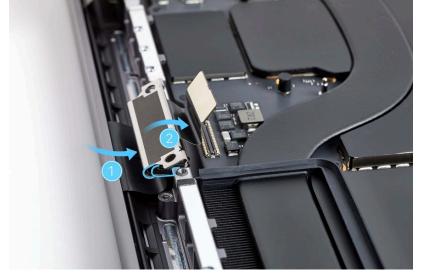
- 5. Place the computer facedown with the rear edge closest to you.
- 6. Keep the 8IP bit in the 0.3–1.2 Nm adjustable torque driver. Set the torque value to 0.7 Nm. Then use the adjustable torque driver and 8IP bit to fully reinstall the six 8IP screws into the display hinges.



7. Position the display cable bumpers in the internal frame.



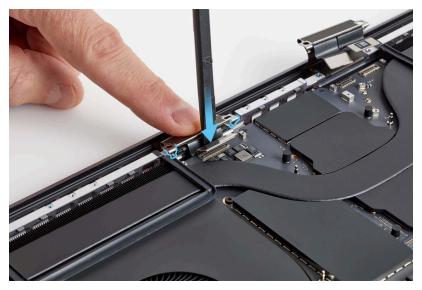
8. Align the display flex cables around the edge of the display cable bumpers (1). Then press the display flex cable clips down over the bumpers and onto the internal frame (2).



9. Use the black stick to tuck the display flex cables into the gap between the display and internal frame.



10. Use the black stick to tuck each display flex cable into the gap between the logic board and the internal frame. Ensure that the display flex cable clips are fully clipped onto the internal frame.





11. Press the ends of the display backlight power flex cable, FaceTime HD camera flex cable, and eDP flex cable to their connectors on the logic board.



12. Position the two display connector cowlings over the ends of the display backlight power flex cable, FaceTime camera cable, and eDP flex cable connectors. Then use the blue torque driver and 3IP bit to reinstall two 3IP screws (923-06854) into each of the cowlings.



 $13. \ \mbox{Press}$ the end of the lid angle sensor flex cable to the connector.



14. Position the lid angle sensor connector cowling over the end of the lid angle sensor flex cable. Then use the blue torque driver and 3IP bit to reinstall the two 3IP screws (923-06854) into the lid angle sensor connector cowling.



Reinstall the following parts to complete reassembly:

- <u>Display hinge covers</u>
- Vent/antenna module
- Bottom case

Caution

After you've completed all removal and reassembly steps, learn how to initiate the System Configuration process.

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Helpful?





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