



Lenovo ThinkPad T16 Gen 3 Display Replacement

Follow this guide to upgrade or replace a...

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INTRODUCTION

Follow this guide to upgrade or replace a broken or cracked display (aka LCD or OLED) on your Lenovo ThinkPad T16 Gen 3 laptop.

This guide is for the display on its own. If you have an entire screen assembly (including a new top lid, hinges, bezel, and display) follow [this guide](#).



TOOLS:

Phillips #1 Screwdriver (1)
iFixit Opening Picks (Set of 6) (1)
Spudger (1)
Angled Tweezers (1)
iOpener (1)
Hair Dryer (1)



PARTS:

Tesa 61395 Tape (1)

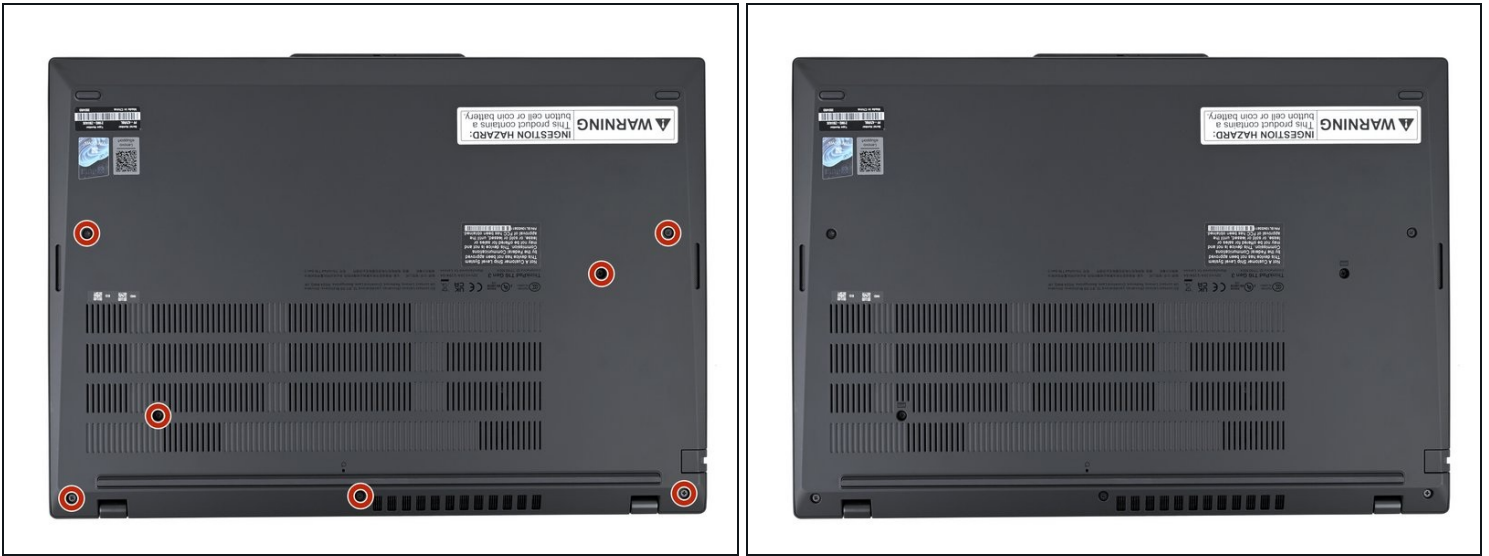
Step 1 — Prepare your laptop for disassembly



⚠ For your safety, discharge your battery below 25% before disassembling your laptop. A charged battery may catch fire if damaged. If your battery is swollen, [take appropriate precautions](#).

- Completely shut down your laptop (don't just put it in sleep mode) and disconnect all cables.
- Flip the laptop upside-down, and rotate it so the screen hinge faces towards you.

Step 2 — Loosen the base cover screws



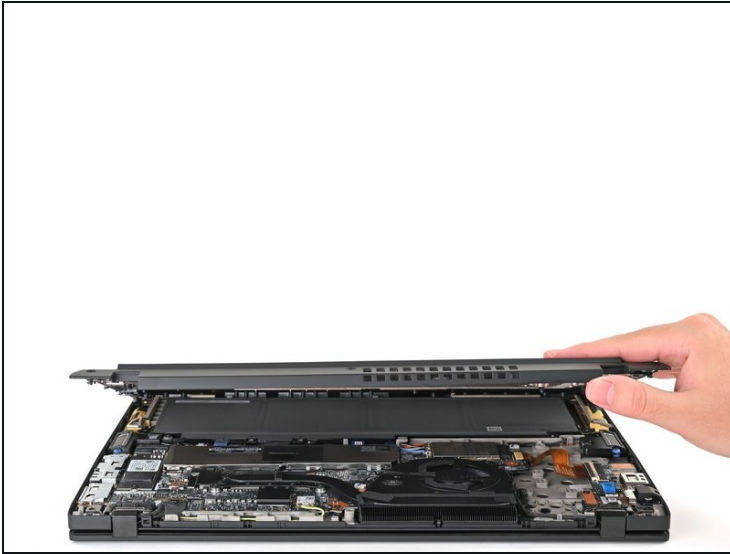
- Use a Phillips screwdriver to fully loosen the seven captive screws securing the base cover.

Step 3 — Pry up the base cover



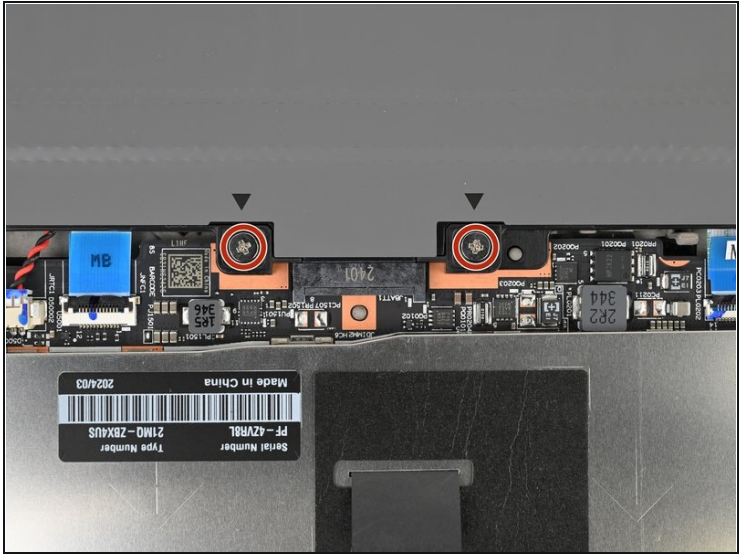
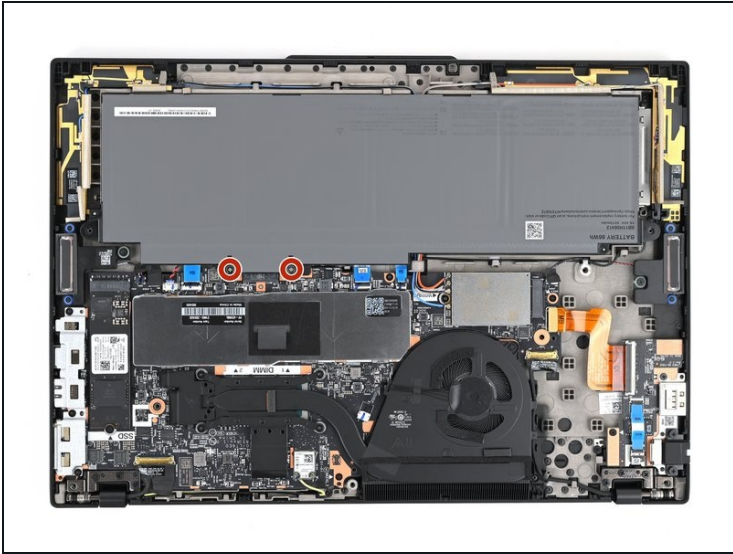
- Insert your fingernail or an opening pick into the gap between the base cover and keyboard deck, next to one of the screen hinges.
- Pry up the base cover until the clips unfasten.

Step 4 — Remove the base cover



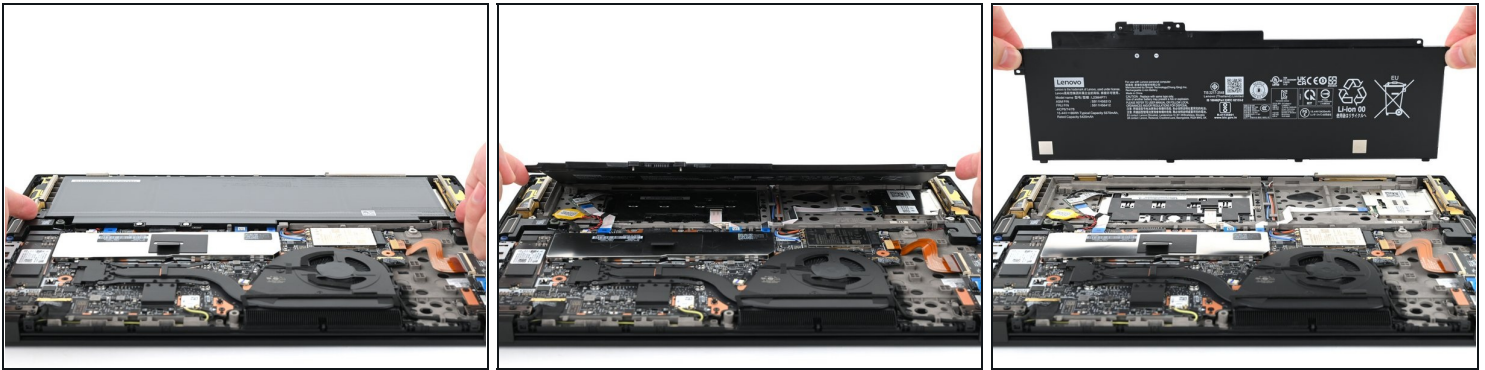
- Grasp the base cover along the screen hinge edge and lift slowly to unfasten the remaining clips.
 - Lift and remove the base cover.
- ☒ During reassembly, lay the base cover into the frame, inserting it into the tabs along the battery edge. Press down firmly around the perimeter to reengage all the clips.

Step 5 — Loosen the battery screws



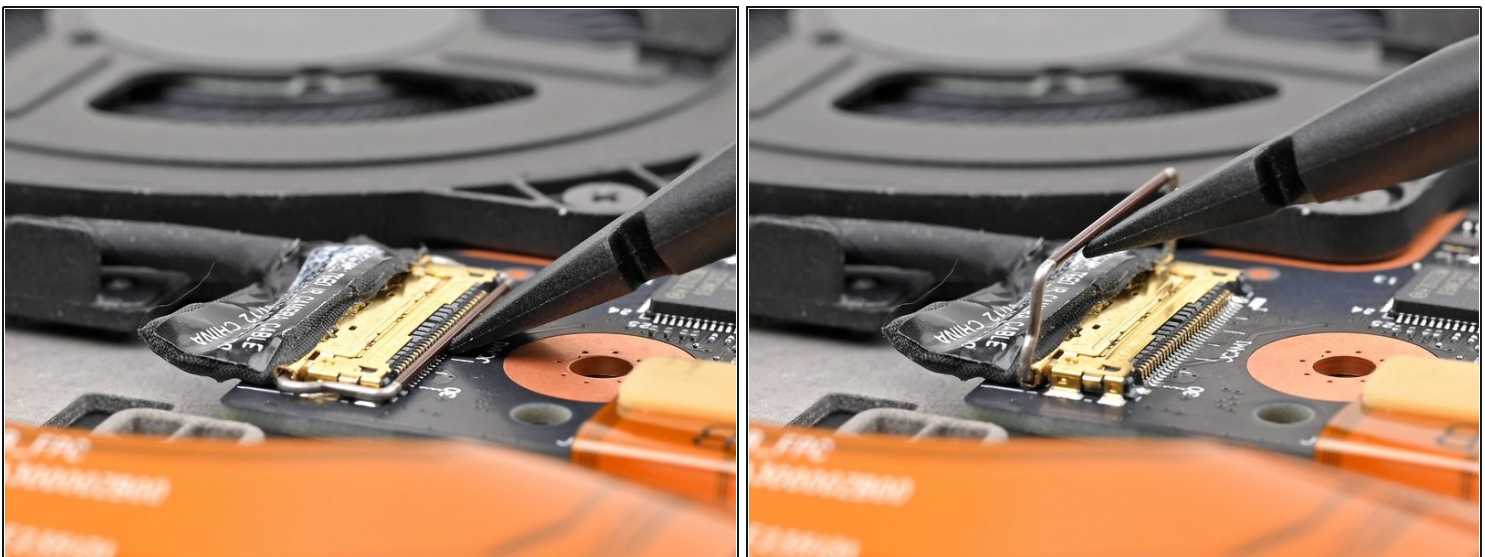
- ① Because of the battery connector's design, the only way to disconnect the battery is by physically removing it.
- Use a Phillips screwdriver to fully loosen the two captive screws securing the battery connector.

Step 6 — Remove the battery



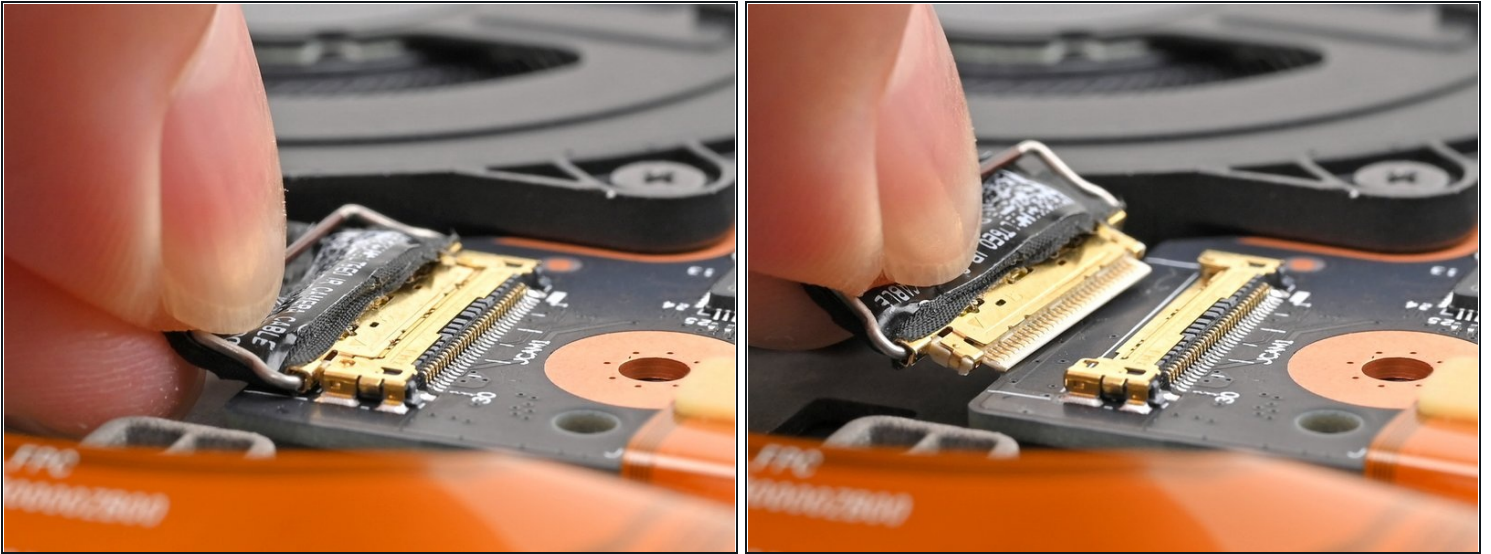
- Lift the edge of the battery with the connector to disconnect it.
 - ① You may feel a little resistance from the battery connector as it disconnects—that's normal.
- Remove the battery
- ☑ During reassembly:
 - Slide the plastic tabs on the long edge of the battery into their recesses in the frame.
 - Lower the battery into place so the connector goes over its socket.

Step 7 — Disconnect the camera cable



- Use the flat end of a spudger or clean fingernail to gently push under the metal buckle of the camera cable connector to unclip it

Step 8



- Grab the buckle and cable together and gently pull the connector straight out of its socket.

Step 9 — Free the camera cable



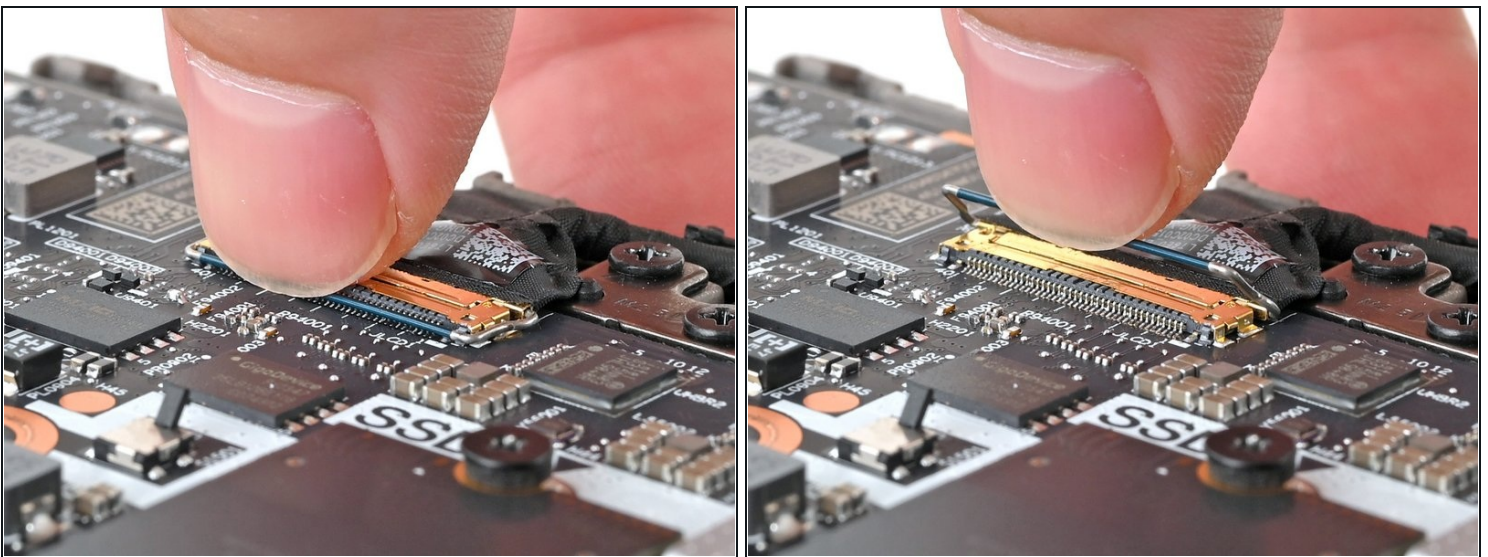
- Hold the buckle and cable together and free it from the clips holding it to the fan.

Step 10



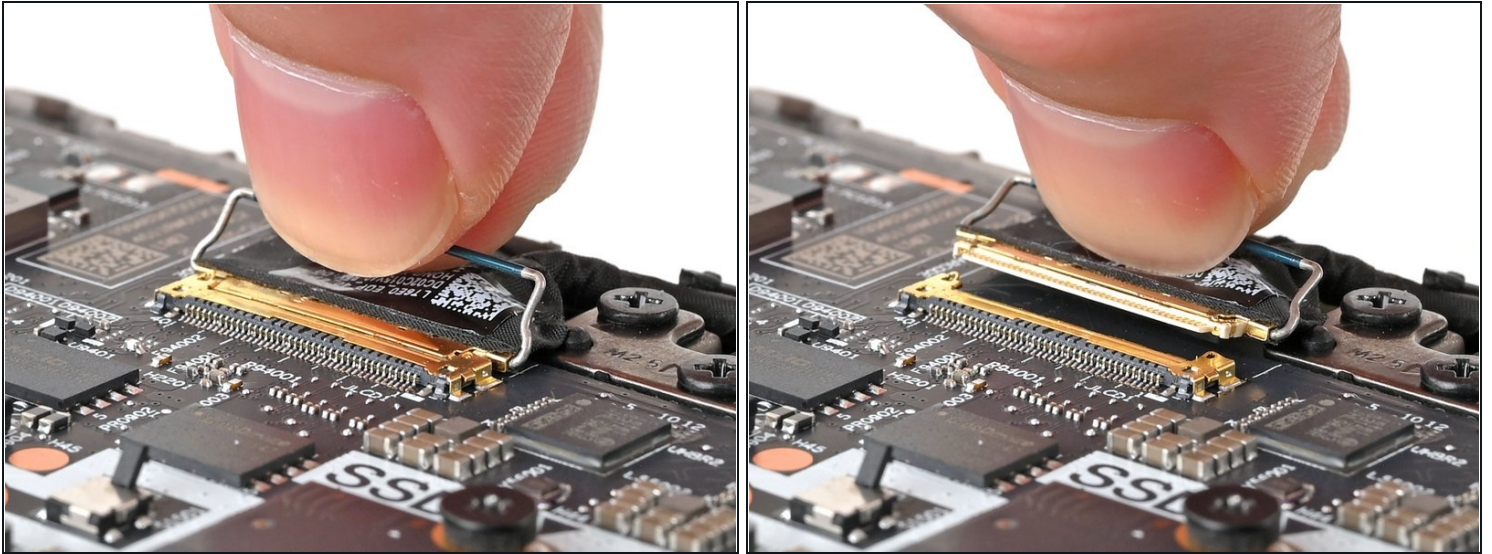
- Continue freeing the cable until it is only attached to the laptop at the hinge.

Step 11 — Disconnect display cable



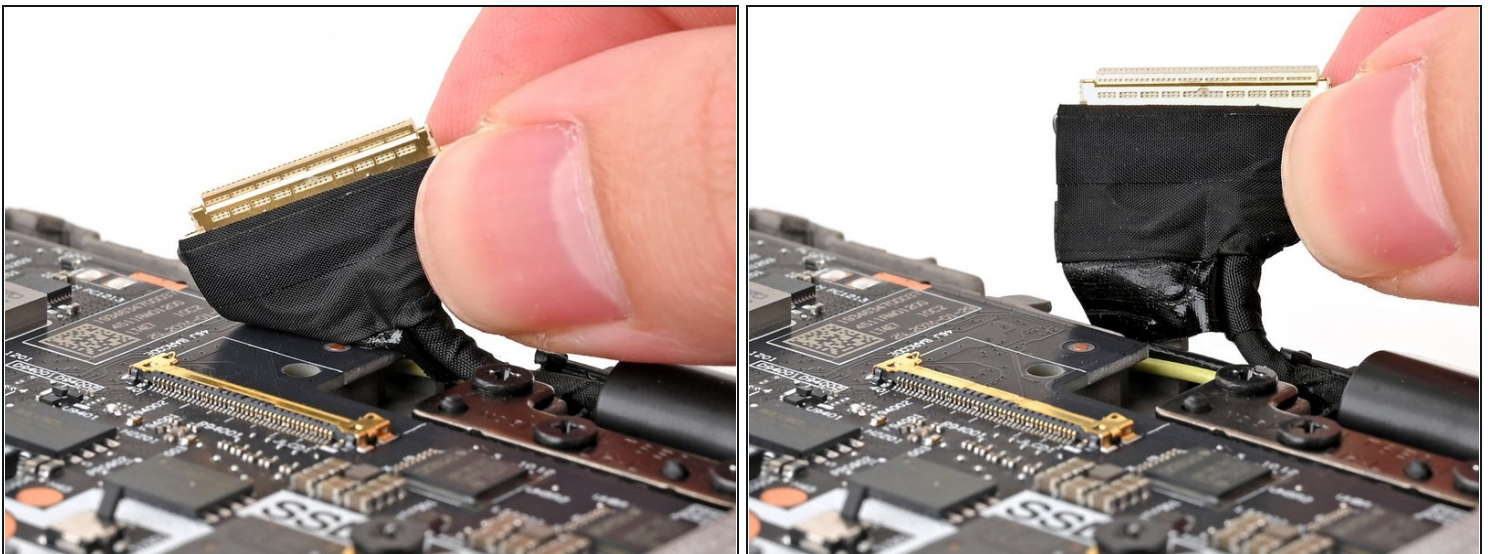
- Use a clean fingernail or the flat end of a spudger to gently push under and lift the metal buckle of the display cable connector to unclip it

Step 12



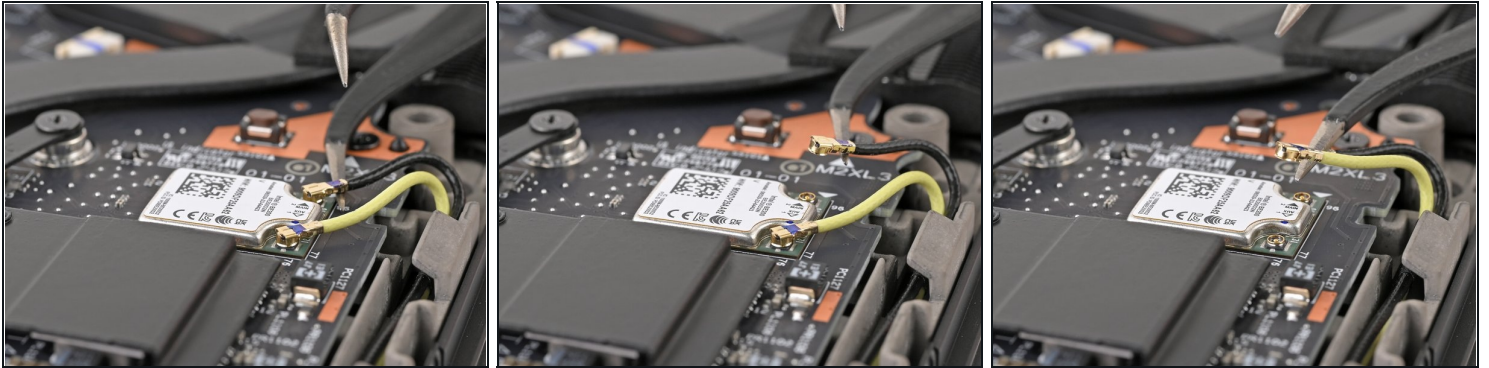
- Grab the buckle with your fingers and gently pull the connector straight out of its socket.

Step 13 — Free the display cable



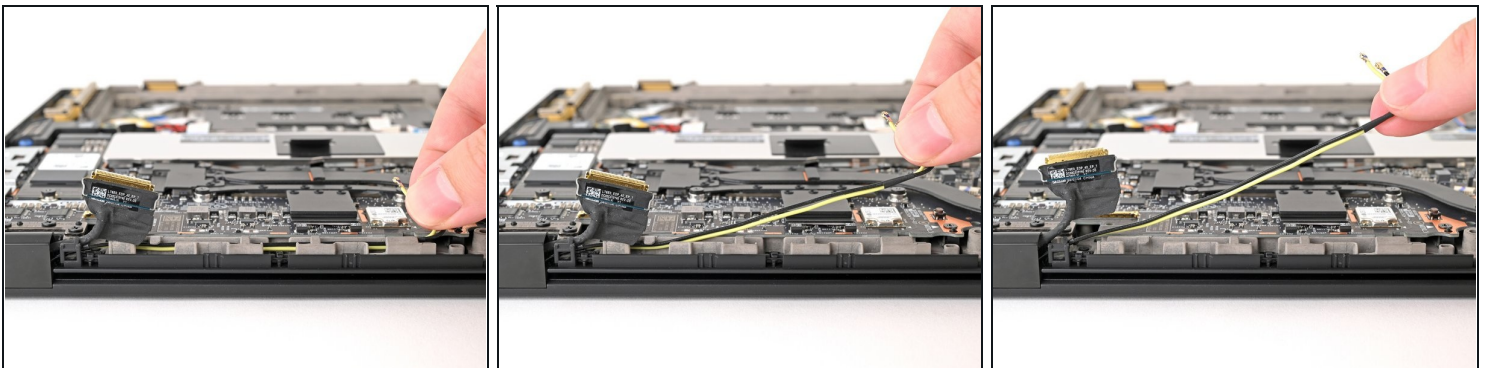
- Hold the buckle and cable together and pull it up to separate the adhesive securing the cable to the motherboard.

Step 14 — Disconnect the WiFi antennas



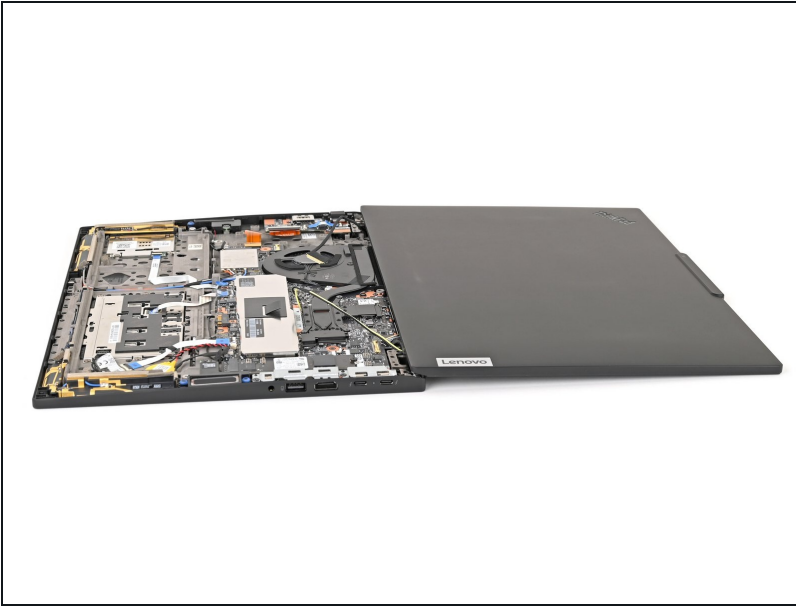
- Insert an arm of your angled tweezers under the metal neck of one of the coaxial connectors on the [Wi-Fi card](#) and lift straight up to disconnect it.
 - Repeat for the other connector.
- ☒ During reassembly, use tweezers to hold the connector in place over its socket and gently press down with your finger or a spudger—the connector should "snap" into place. If you're having trouble, reposition the head and try again.

Step 15 — Free the Wi-Fi antennas



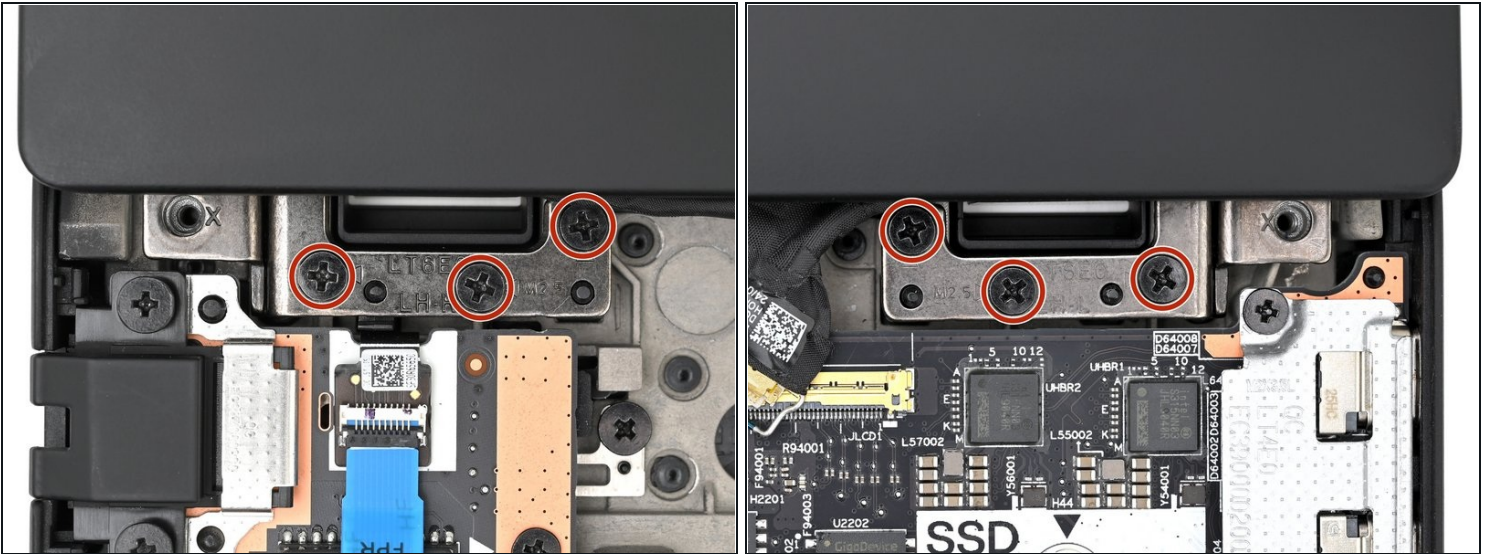
- Grab both Wi-Fi antenna cables and guide them out of their clips on the frame until they're only attached to your laptop at the hinge.

Step 16 — Open the screen completely



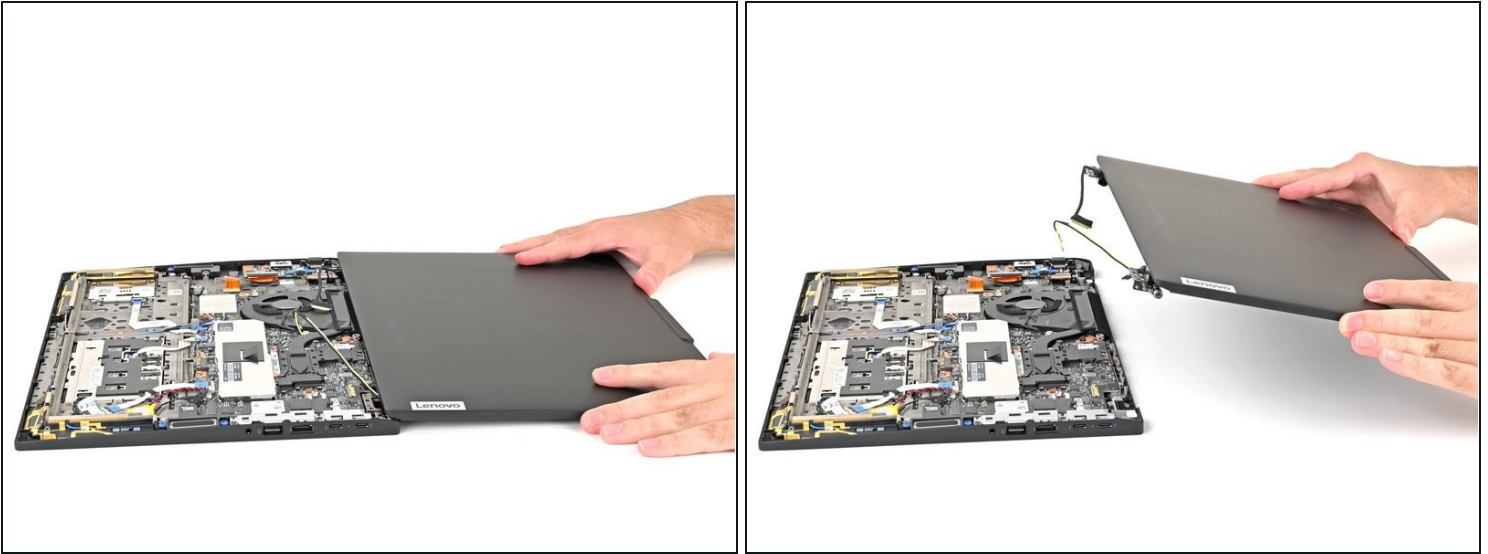
- Open your laptop 180 degrees (so it's completely flat) and lay it keyboard side down on your work surface.
- ❗ Optionally, you can place a soft, clean cloth under your laptop to protect the screen and keyboard.

Step 17 — Remove the hinge screws



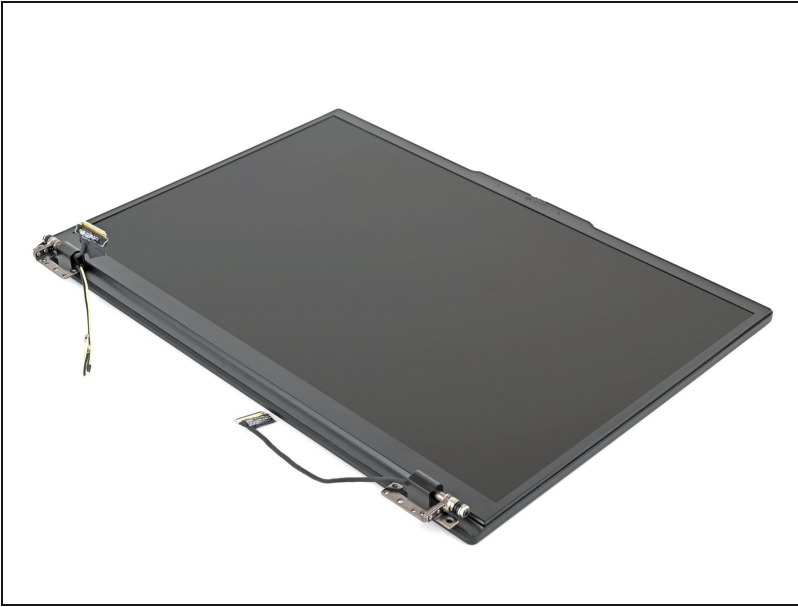
- Use a Phillips screwdriver to remove the six 6.5 mm-long screws securing the hinges to the laptop.

Step 18 — Remove the screen assembly



- Lift the screen assembly straight up and remove it from the laptop.
- ★ Reassembly steps:
- Make sure the screen hinges are open 180 degrees and guide them into their recesses in the frame.
 - Install and *partially* tighten the four hinge screws.
 - Close your laptop and make sure the screen is properly aligned. If it clicks or snaps, readjust the alignment.
 - Fully tighten the hinge screws.

Step 19 — Prepare the screen



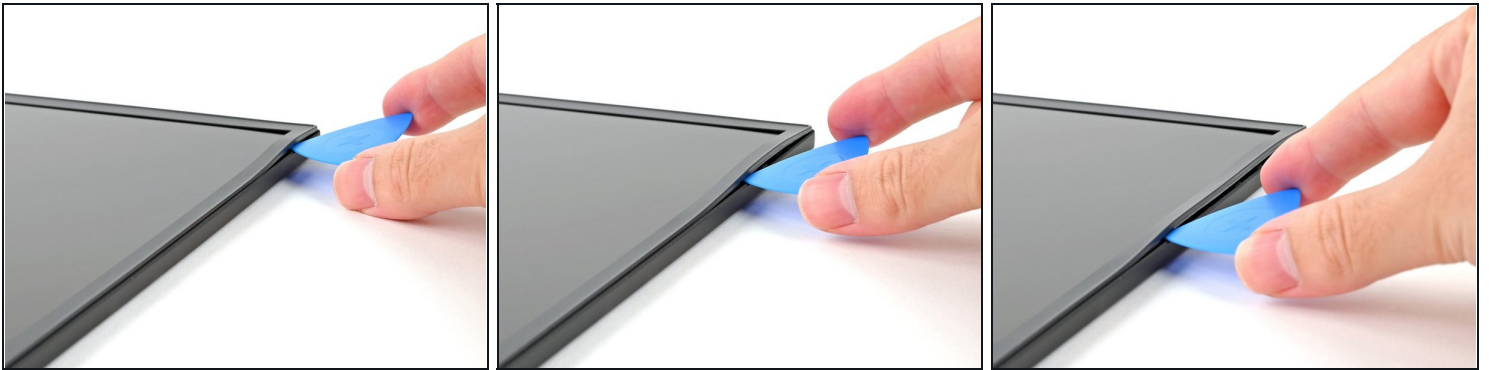
- Set the screen assembly down so the display is facing up.

Step 20 — Insert an opening pick



- Insert the tip of an opening pick at a downward angle between the bezel and screen assembly, near the top right corner.
- Lower the pick so it's flat with the screen and the tip is under the screen bezel.

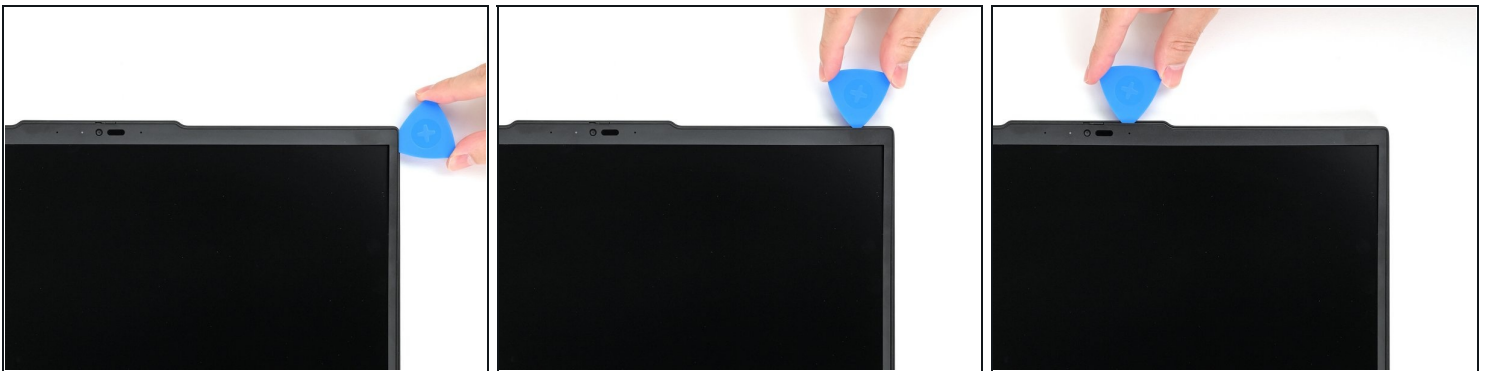
Step 21 — Unclip the bezel



⚠ Don't insert your pick further than the tip, as you might damage the display

- Slide your opening pick down the right edge to unfasten the bezel clips.

Step 22



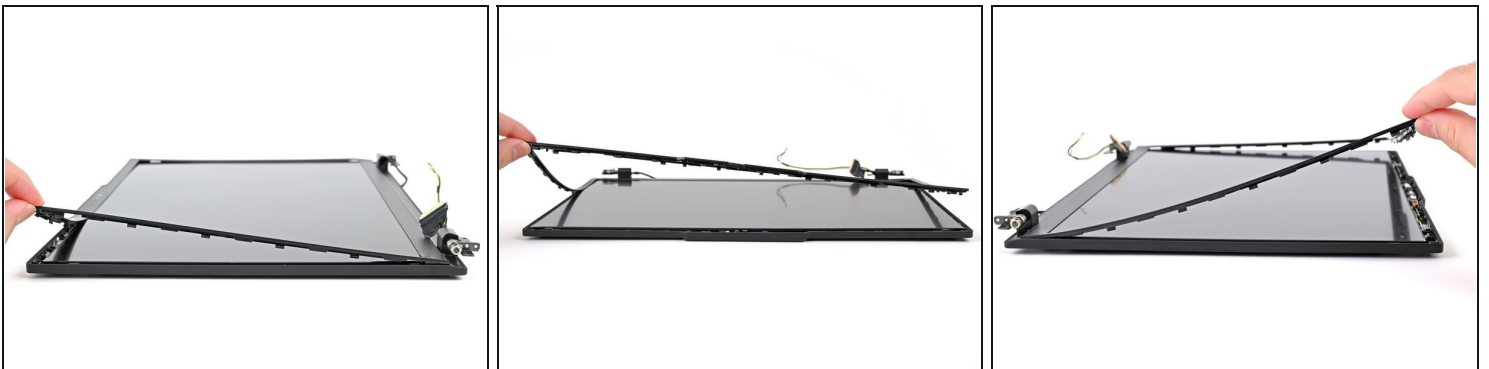
- Re-insert your opening pick near the top right corner.
- Slide your opening pick around the top right corner to unfasten the frame clips, stopping before you hit the webcam.
- Remove the opening pick.

Step 23



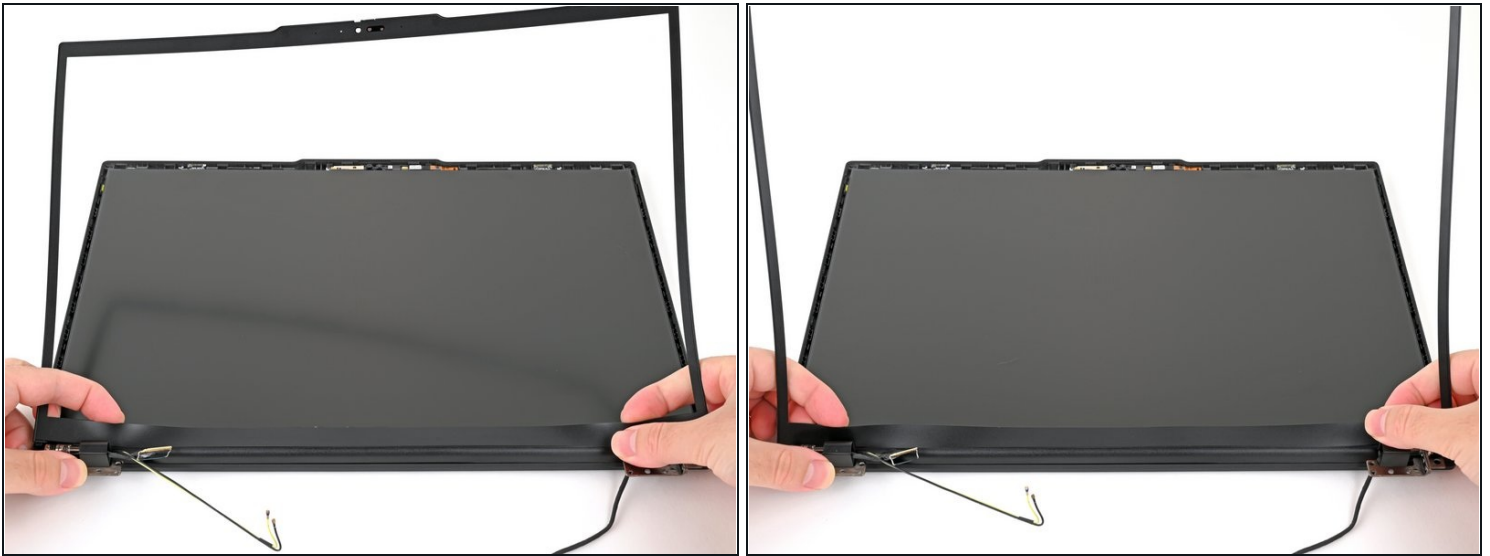
- Re-insert your pick to the left of the webcam and slide it towards the top left corner and down the left edge to unfasten the remaining clips.

Step 24 — Lift the bezel



- Gently lift the bezel on the right, top, and left edge to ensure all the clips are fully unfastened.

Step 25 — Separate the bottom edge



ⓘ The bottom edge of the bezel is held in place with strong adhesive and clips.

⚠ Ensure you're separating the bottom edge of the bezel from the protective film and not the protective film from the screen. If the film starts to peel up, gently press it back into place before you continue peeling up the bezel.

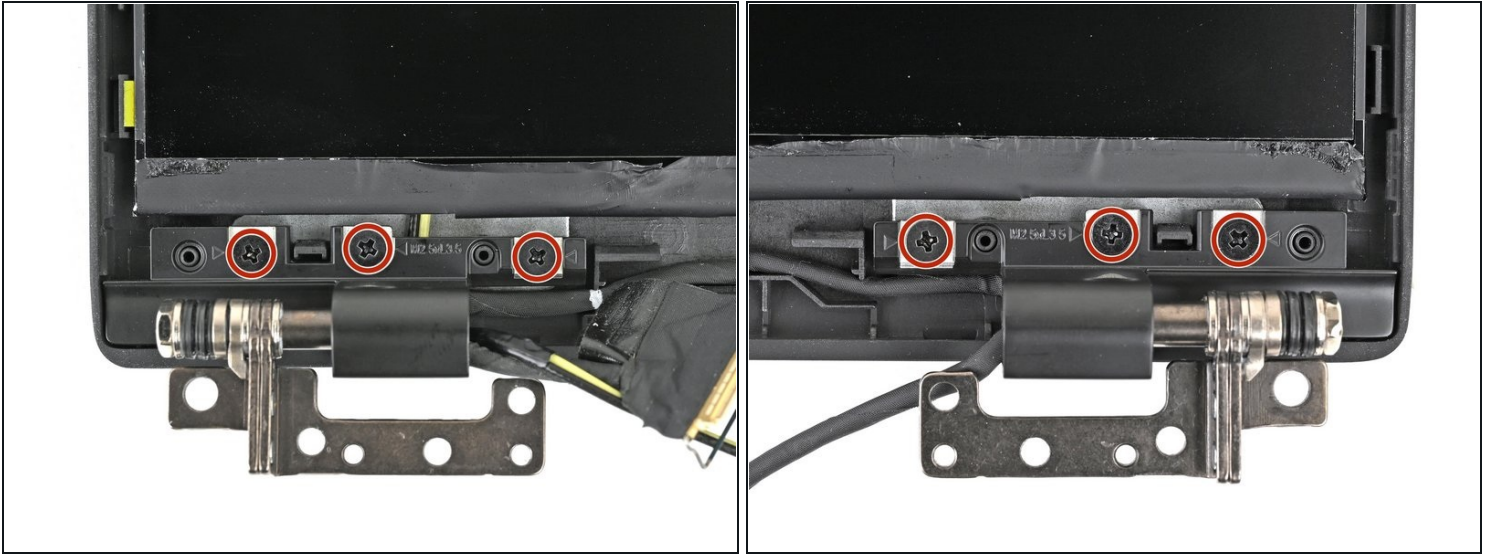
- Use your fingers to slowly peel the bottom edge of the bezel from the protective film on the display.
- ⓘ If you're having a hard time separating the adhesive, use your opening pick to slice through the adhesive, being very careful not to cut the film. If it is still difficult, [use an iOpener](#) or [hair dryer](#) to lightly heat the bottom edge of the bezel.

Step 26 — Remove the bezel



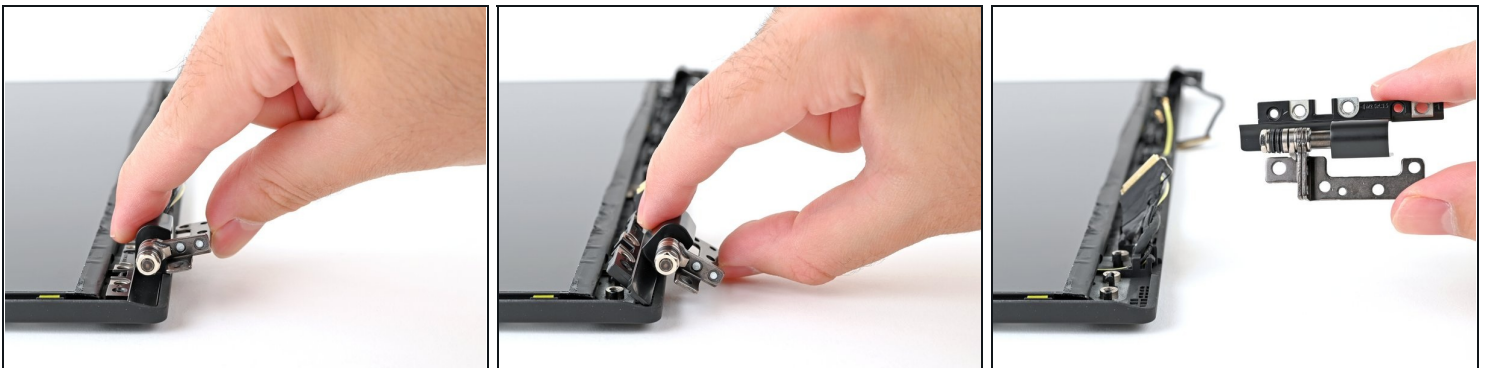
- Once the adhesive is completely separated, lift the bottom edge of the bezel straight up to unfasten its clips.
 - Remove the bezel.
- ☑ To re-install this bezel or install a new one, you may need to replace the adhesive if the bezel isn't sticking correctly. If your replacement part does not include adhesive, use [thin, double-sided tape](#). Use the 5mm strips for the bottom and the 1mm strips around the top and sides. Remove all residue from the original adhesive before replacing.

Step 27 — Remove the hinge screws



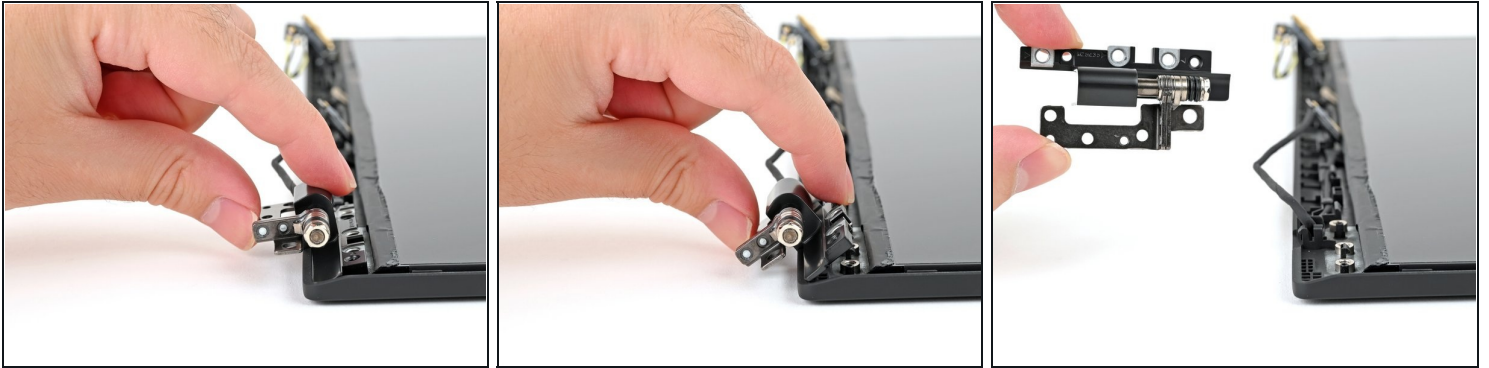
- Use a Phillips screwdriver to remove the six 3.75 mm-long screws securing the hinges (3 in each).

Step 28 — Remove the hinges



- Use your fingers to rotate one of the hinges downwards to unfasten the clips holding it in place.
- Remove the hinge from its recess

Step 29



- Repeat the process to remove the other hinge.

Step 30 — Remove the adhesive



- Use tweezers or your fingernails to grab one of the pull tabs, located at the top left and right corners on top of the display.

Step 31



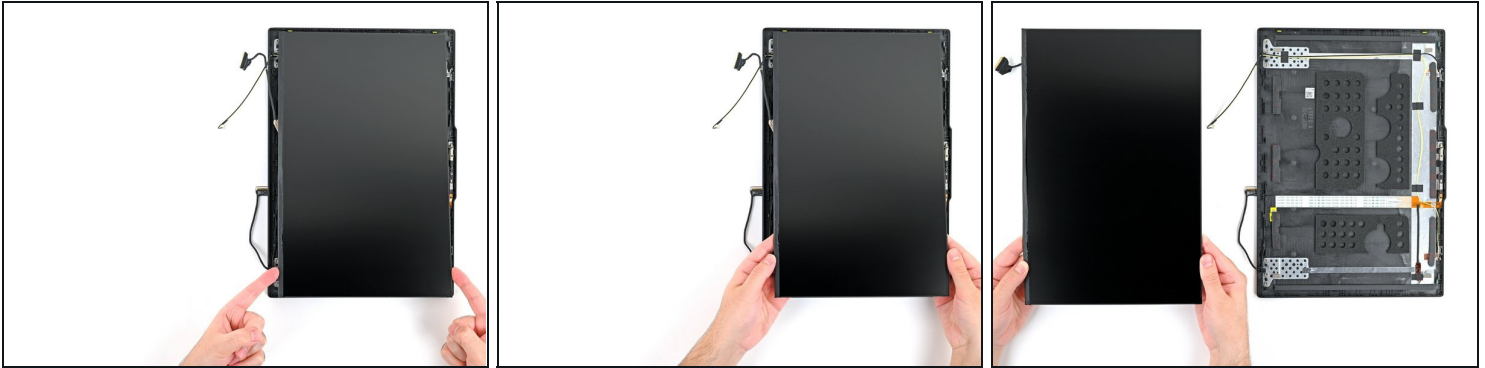
- Use your fingers to grasp the black pull-tab on the adhesive strip.
- Pull the strip out slowly and steadily at a low angle. Keep pulling until it is completely removed from beneath the display.

Step 32



- Repeat this process for the other adhesive strip.

Step 33 — Remove the display



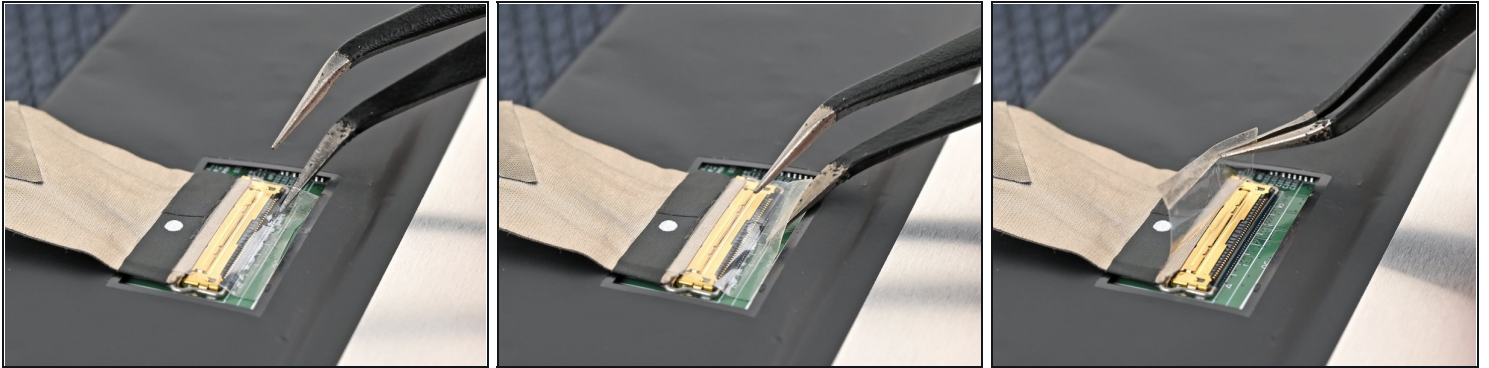
- Remove the display from the lid.

Step 34



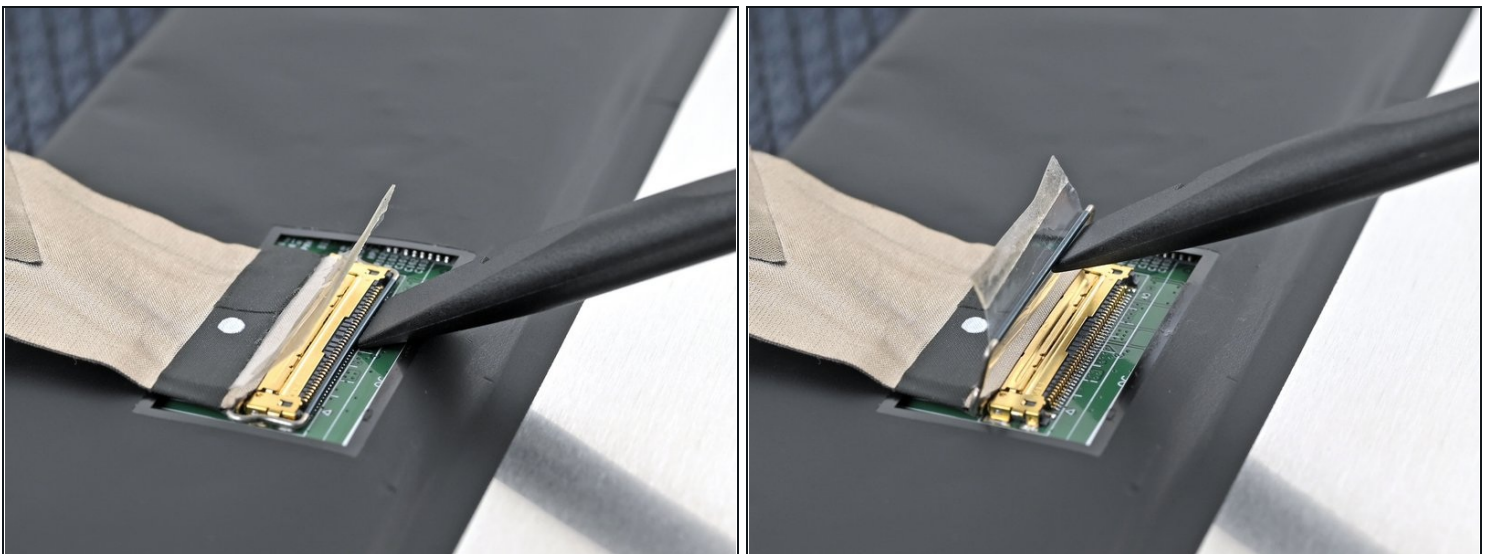
- Place your display face-down on a flat, non-abrasive surface.

Step 35 — Disconnect the display cable



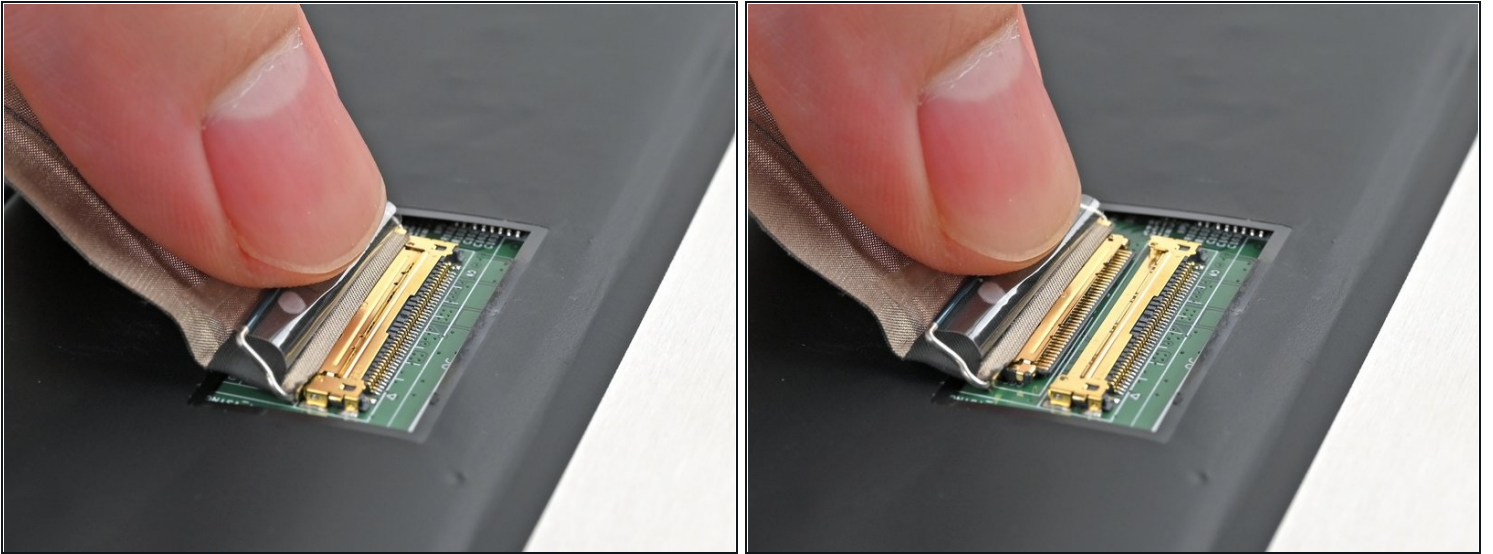
- Insert angled tweezers underneath the tape securing the eDP connector to the back of the display.
- Peel up the tape until it is only attached to the cable.

Step 36



- Use a clean fingernail or the flat end of a spudger to lift and unlatch the metal buckle on the display cable connector.

Step 37



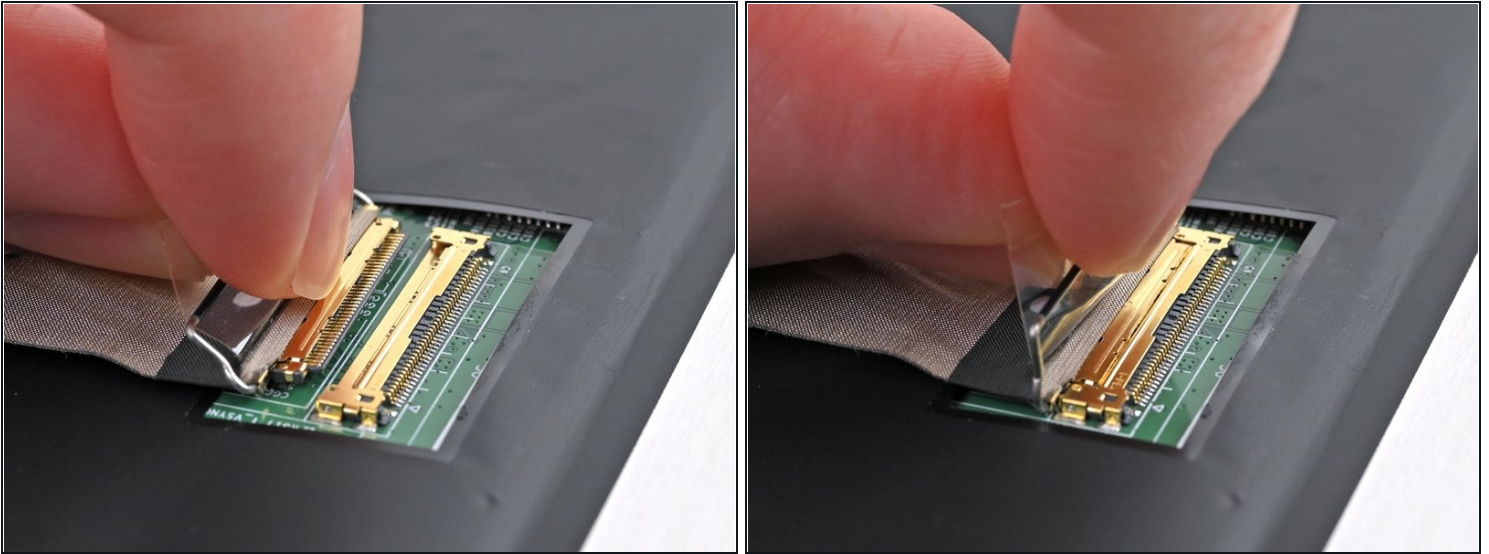
- Grab the buckle and cable together and gently pull the connector straight out of its socket.

Step 38



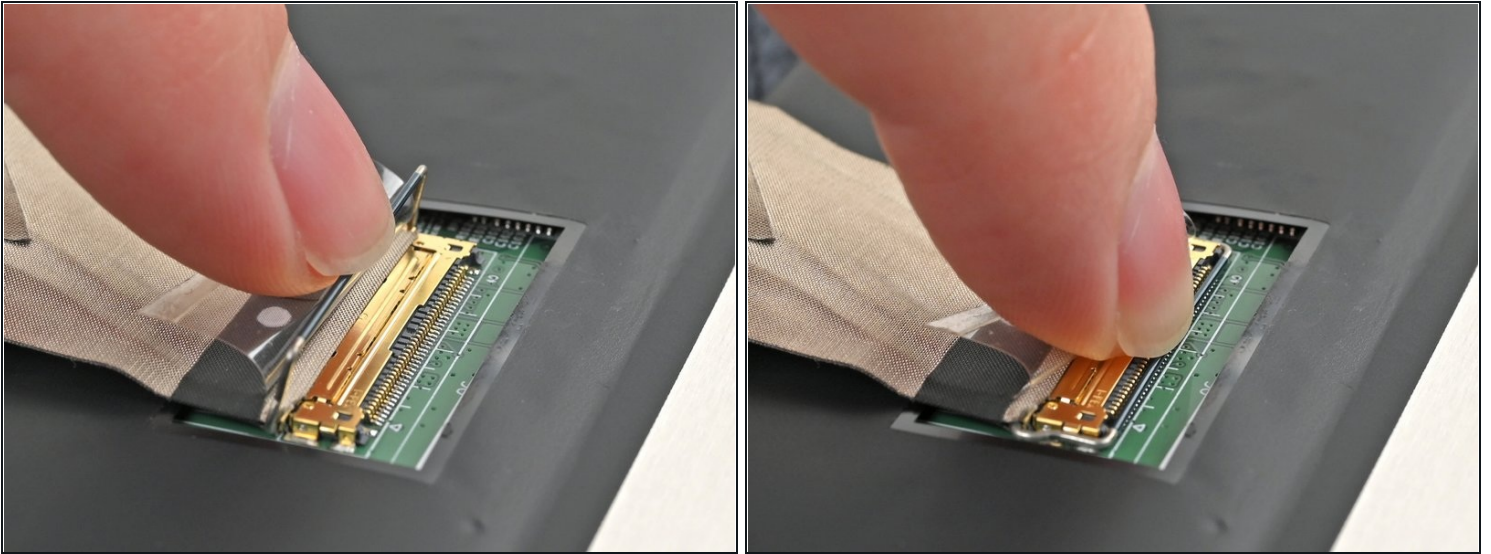
- Place your new display face-down on a flat, non-abrasive surface like a microfiber cloth.

Step 39 — Connect the display cable



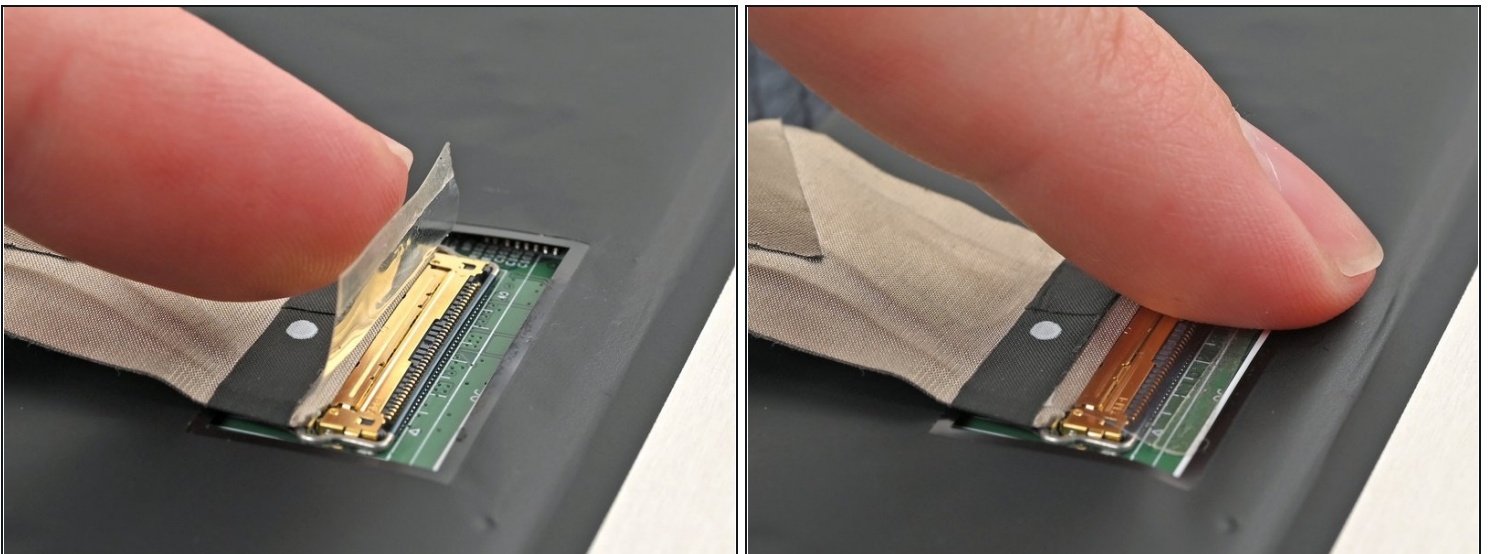
- Grip the display cable and buckle together and insert the connector fully into the new display's socket.
 - ⚠ **Aligning the connector can be tricky. Reposition it as necessary and don't try to force it into the socket, or you may damage both the connector and its socket.**
 - ⓘ If the connector is the wrong size, you may have a 30-pin eDP (embedded DisplayPort) instead of a 40-pin, or vice versa. You will need to swap the cable for one that is compatible. You can determine compatibility by counting the pins on each end of the cable and ensuring the cable matches the sockets.

Step 40



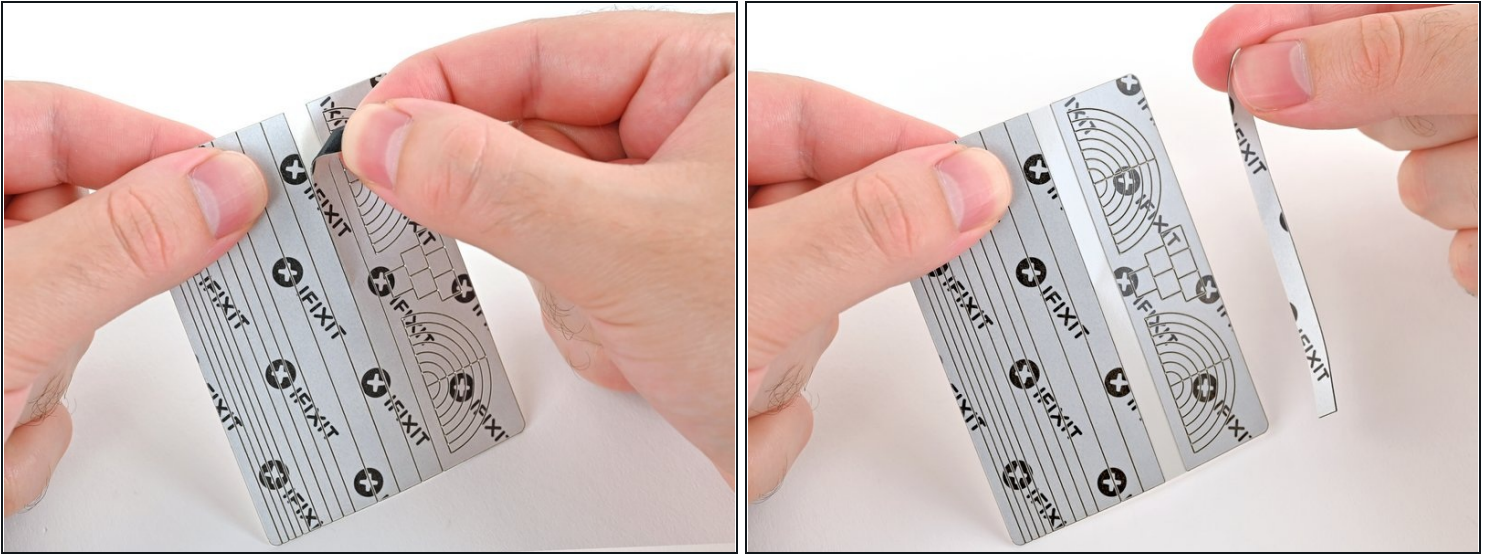
- Flip the buckle over the socket and use a clean finger or spudger to press the buckle down until it clicks into place.

Step 41



- Use a clean finger to press the tape down over the socket until it adheres to the back of the display.

Step 42 — Install the new adhesive



- Peel a 5 mm strip off your [pre-cut adhesive card](#).

Step 43



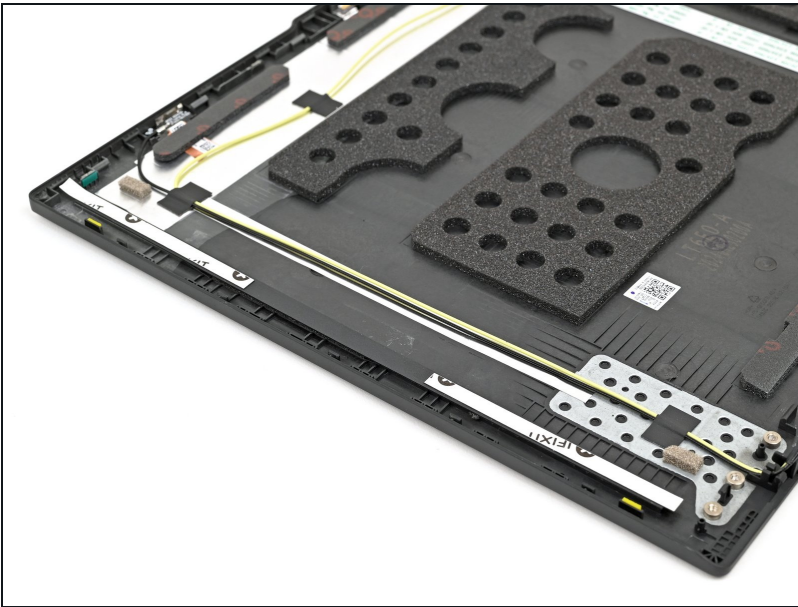
- Align the adhesive strip with the [cut-out in the chassis](#) where the old pull tab was.
- Apply the top end first, then use a finger or the flat end of a spudger to smooth the rest of the strip as you lay it down, squeezing out any air bubbles.

Step 44



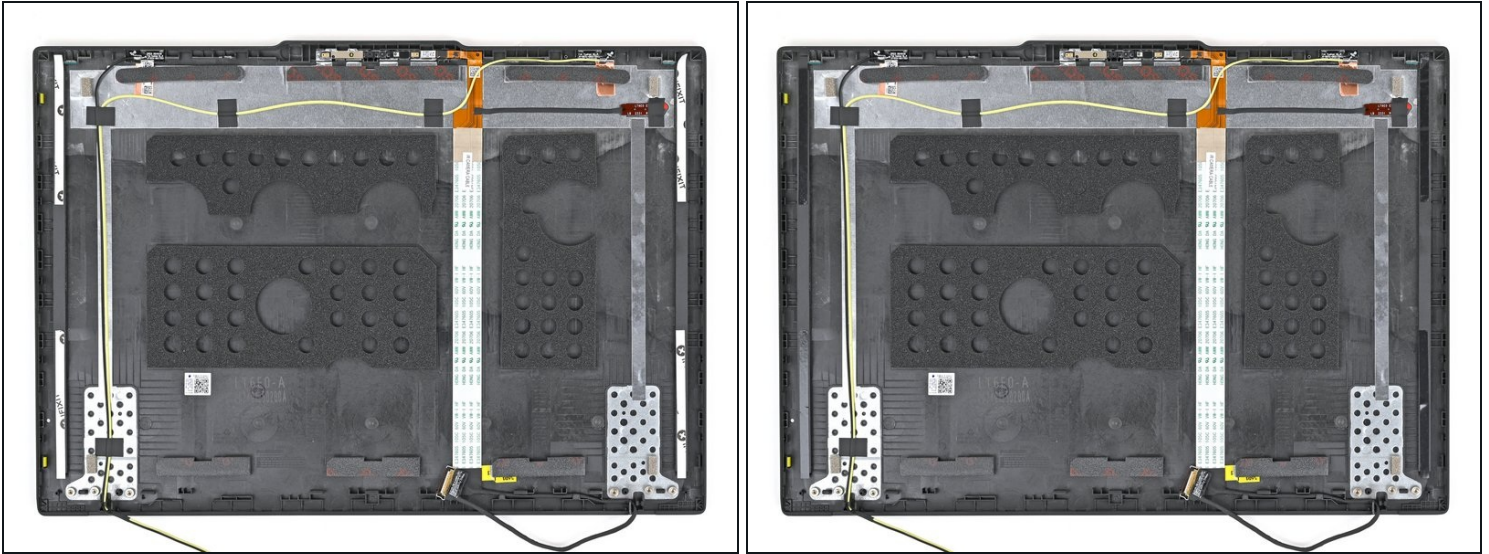
- Repeat this process for the bottom adhesive strip, leaving an overhang at the bottom edge for future maintenance.

Step 45



- Repeat this process for the other side of the laptop.

Step 46



- Use tweezers or your fingernails to remove the backings on all the adhesive strips.

Step 47 — Install the new display



- Align your replacement display with the laptop.
 - Place the top edge down first, ensuring it is centered. You may have to wiggle it before it settles into place.
 - Lay the display down fully.
- ⓘ Double-check the display is centered. If it isn't, the bezel will not attach properly.
- ☑ To complete reassembly, follow the steps in reverse order, beginning with [Step 29](#).

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before you install it.

To reassemble your device, follow these instructions in reverse order, beginning from [Step 29](#).

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.