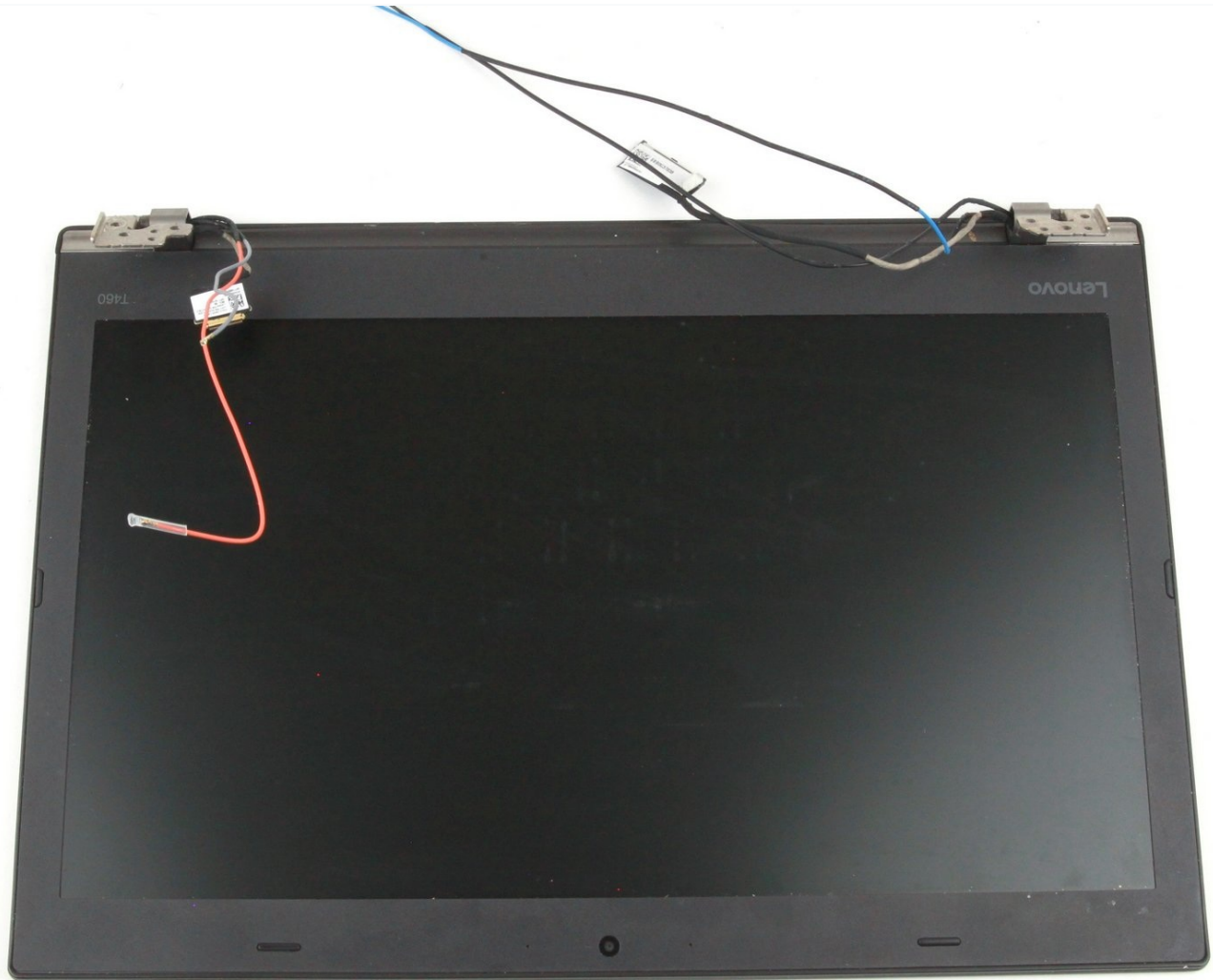




Lenovo ThinkPad T460 LCD Assembly Replacement

Use this guide to replace the display assembly...

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INTRODUCTION

Use this guide to replace the display assembly of your Lenovo ThinkPad T460.

The display assembly includes the screen bezel, hinges, camera/microphone module, WLAN and WWAN antennas, and the LCD (liquid-crystal display) screen. You may opt to replace the entire display assembly, rather than its individual components to save time. Some common symptoms of a faulty display assembly include a blank, black, or flickering screen, hinges that are stiff, loose, or dislocated, or webcam issues that cannot be resolved by fixing the laptop's settings.

Make sure to [disable the internal battery](#), power down your device, and disconnect from any external power sources before you begin.

TOOLS:

Spudger (1)

Phillips #1 Screwdriver (1)

ESD Safe Blunt Nose Tweezers (1)

Step 1 — External Battery



 Before you begin this guide, make sure to [disable the internal battery](#), power down your device, and disconnect from any external power sources.

- Place the laptop so that the bottom is facing upwards.
- Slide the latch on the left side of the battery to the left until it clicks in place.

Step 2



- Slide the latch on the right side of the battery to the right and hold it in place with your thumb.
- Use your other hand to slide the battery towards the back of the laptop.
- Lift the battery up and away from the laptop.

Step 3 — Bottom Cover



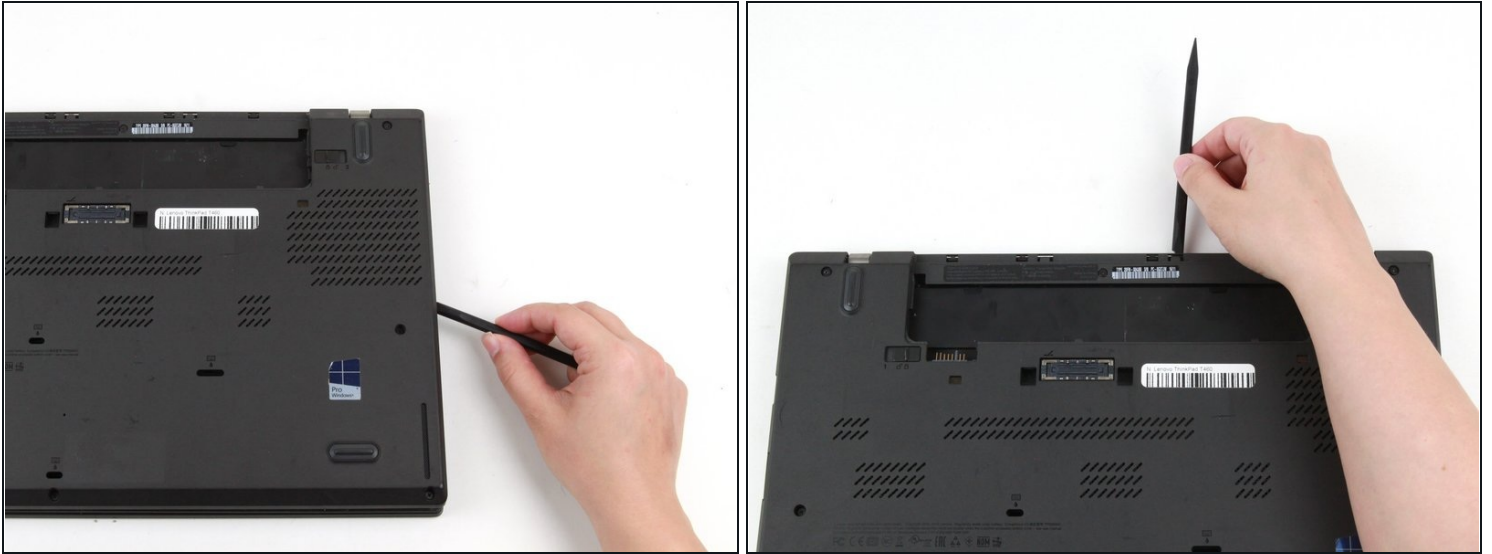
- Loosen the eight captive screws in the bottom cover using a Phillips #1 screwdriver.

Step 4



- Insert the flat end of a spudger in between the bottom cover and the rest of the laptop, starting in the lower left corner.
 - Pry the lower left corner of the bottom cover up by a few millimeters.
 - Slide the spudger along the bottom of the laptop to release the clips until you reach the lower right corner.
- ① You may hear some snapping noises as the clips are released.

Step 5



- Slide the spudger along the right and top sides of the bottom cover to release the clips.

ⓘ You may hear some snapping noises as the clips are released.

⚠ **Potential for device damage:** If the clips do not release easily, check to ensure that the captive screws are fully loosened. Forcing the clips to detach can crack the bottom cover.

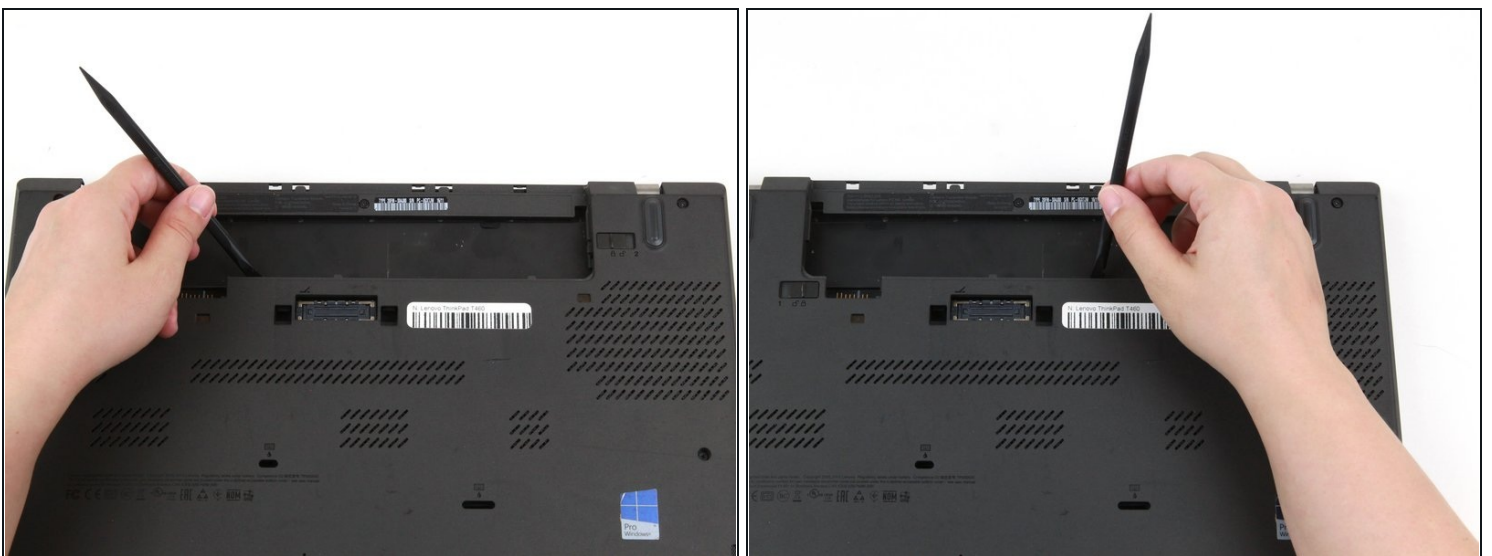
Step 6



- Use the spudger to pry the upper left corner up by a few millimeters.
- Pry up the sections of the bottom cover with printed logos of the ports.

⚠ Potential for device damage: Prying inside the ports themselves can damage your laptop. Be sure to only pry up on the sections of the cover that extend past the ports.

Step 7



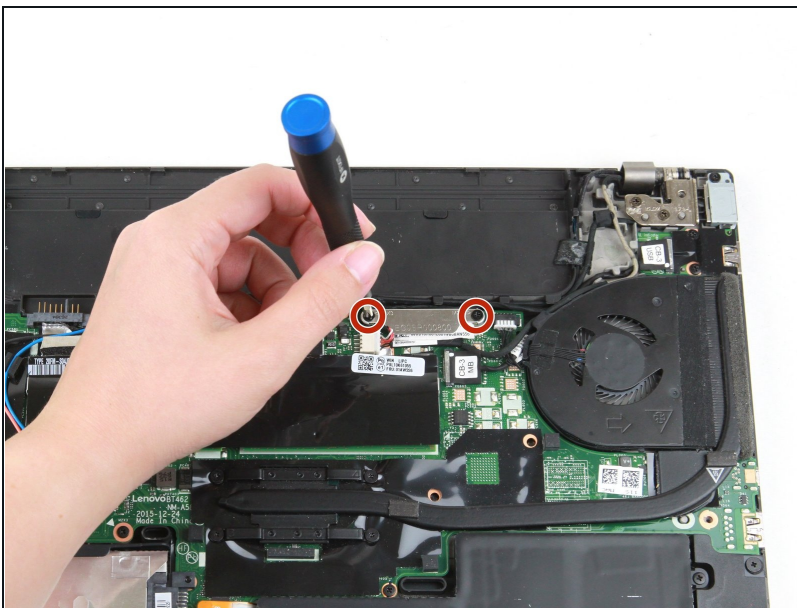
- Use the spudger to pry up the bottom cover in the lower portion of the external battery compartment by a few millimeters.

Step 8



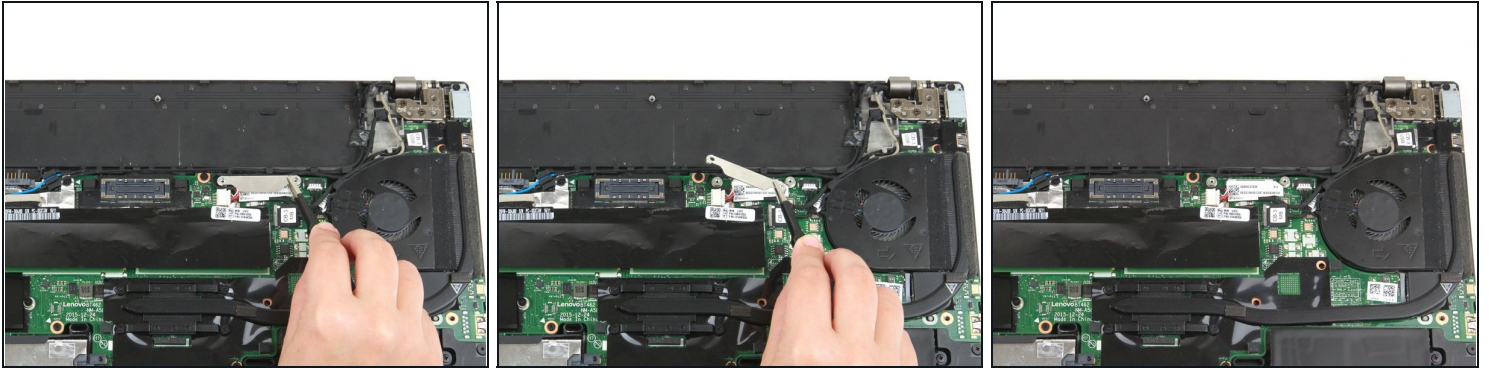
- Use both hands to lift the bottom cover up and away from the laptop.

Step 9 — LCD Assembly



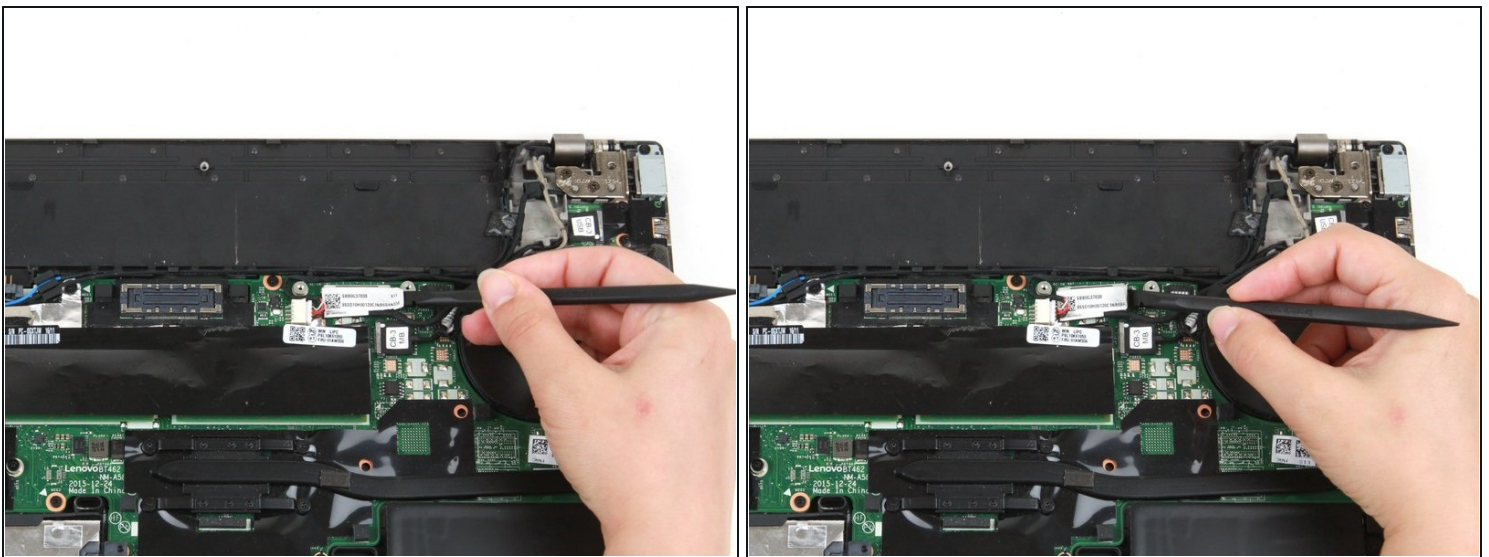
- Remove the two 3.7 mm screws from the LCD cable bracket using a Phillips #1 screwdriver.

Step 10



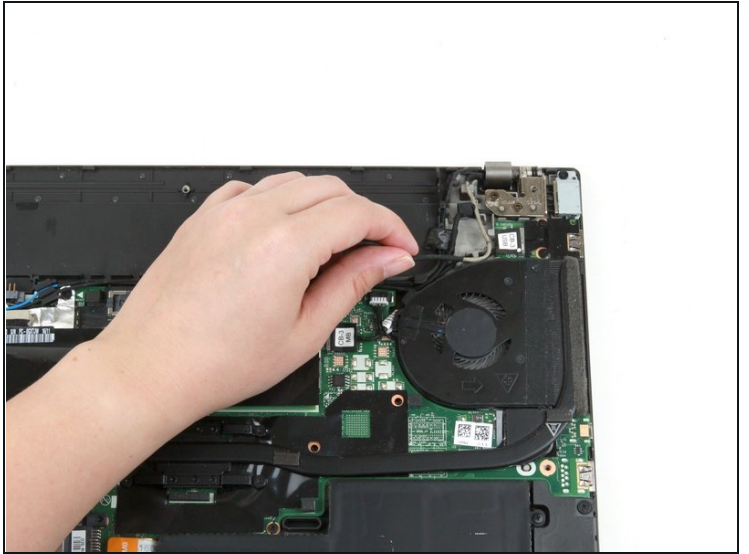
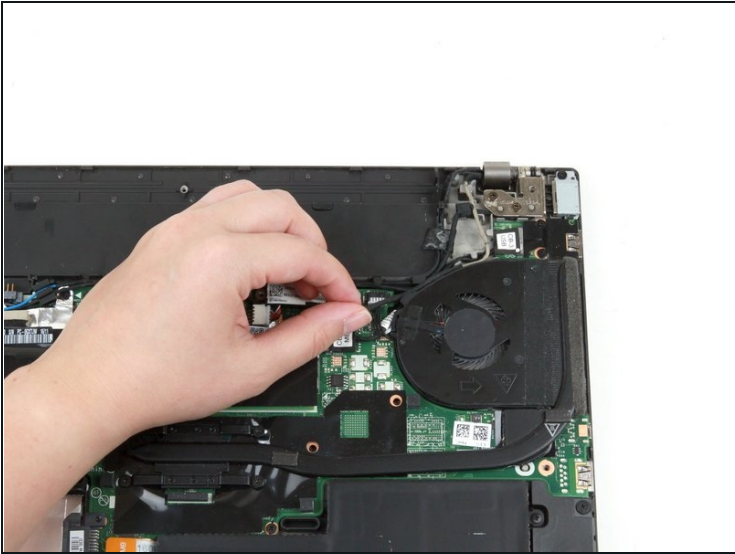
- Use a pair of [tweezers](#) to lift the LCD cable bracket away from the motherboard.

Step 11



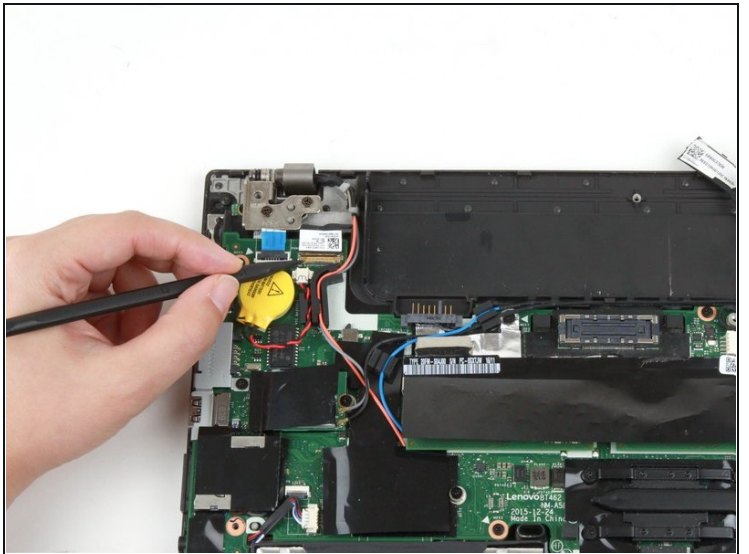
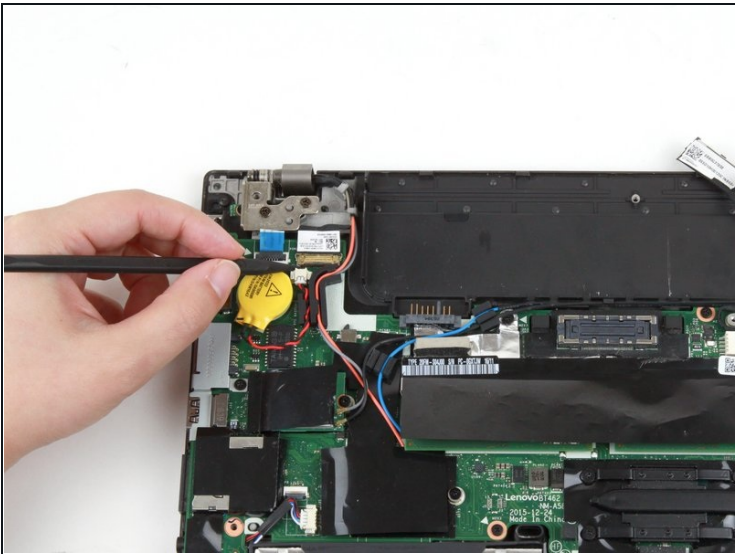
- Use the flat end of a spudger to disconnect the [flat-topped](#) LCD cable connector.

Step 12



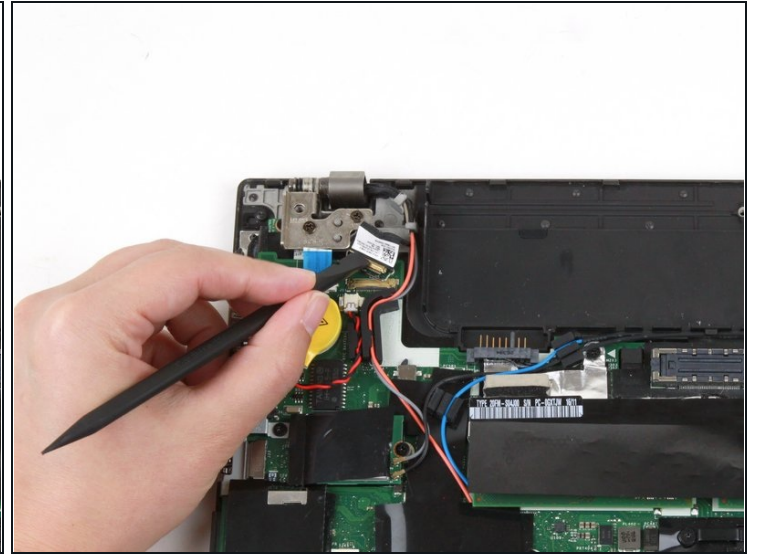
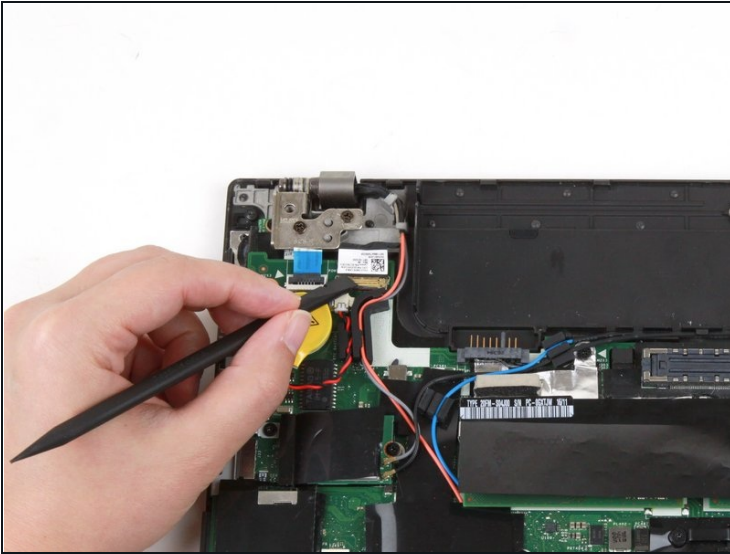
- Use your fingers to remove the cable from its slots.

Step 13



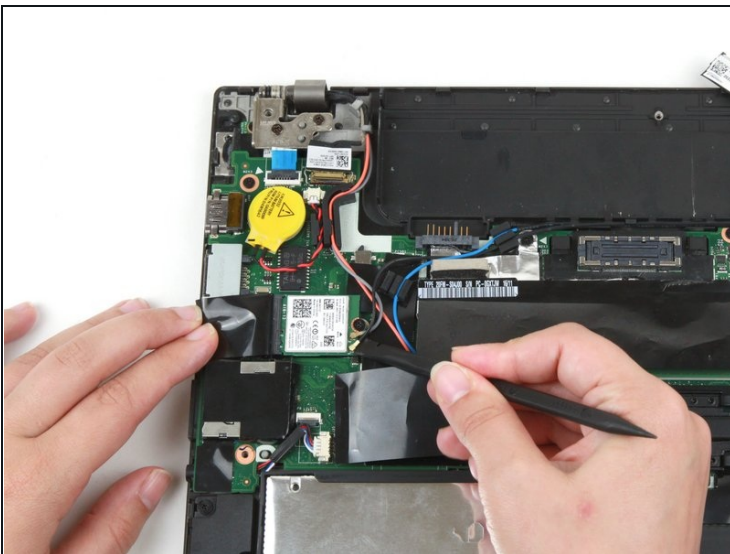
- Use the pointed end of a spudger to lift up the metal clip on the camera/microphone cable.

Step 14



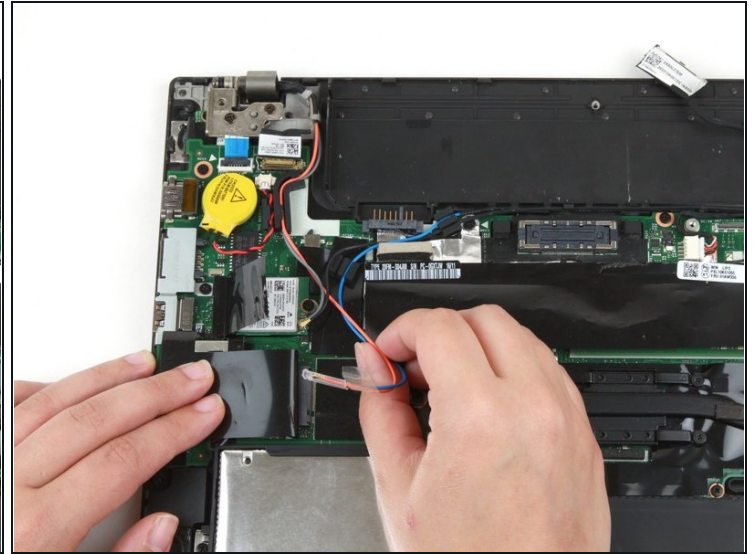
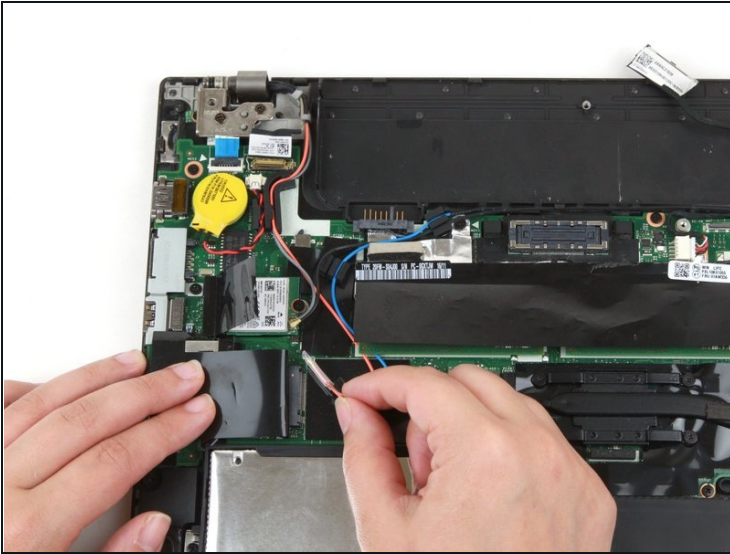
- Use the flat end of a spudger to detach the camera/microphone cable connector from its socket.

Step 15



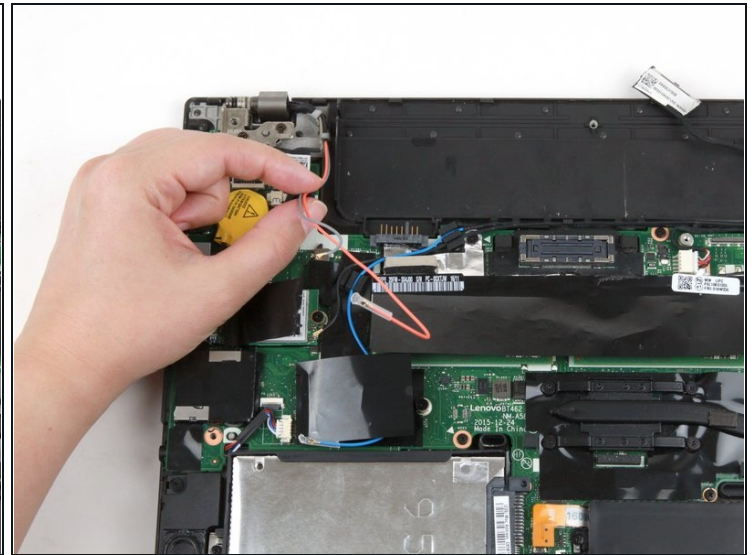
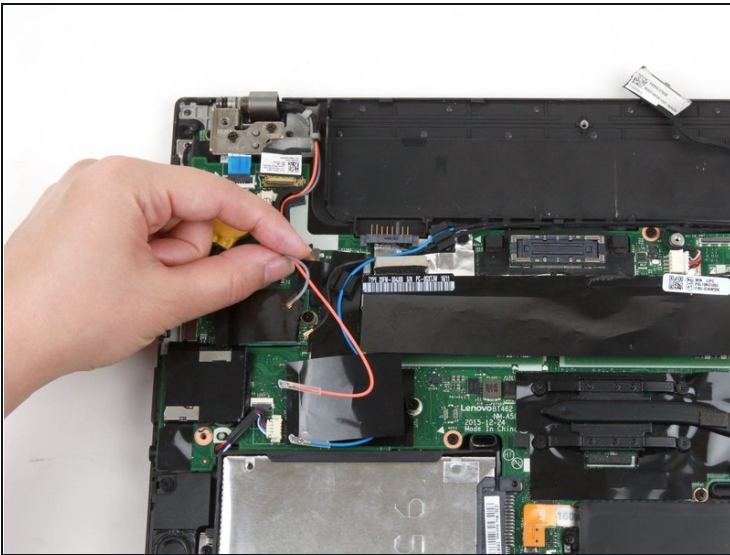
- Use the flat end of a spudger to disconnect the black and gray coaxial cables from the Wi-Fi card.
- ☑ When reassembling, reattach the gray wire on the top and the black wire on the bottom.

Step 16



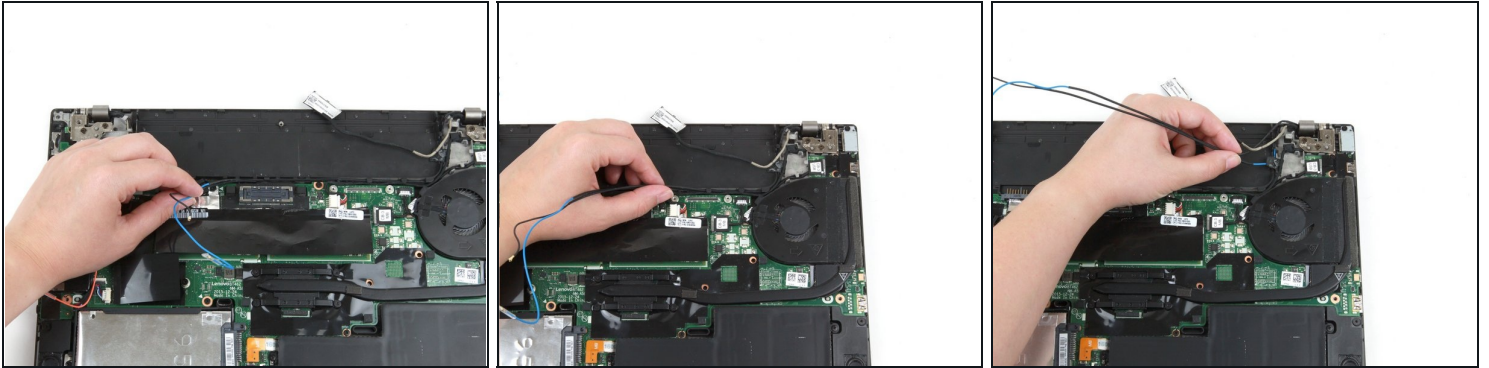
- If your laptop has a WWAN card, disconnect the red and blue coaxial cables using the flat end of a spudger.
- If your laptop does not have a WWAN card, remove the tape holding the red and blue coaxial cables in place.

Step 17



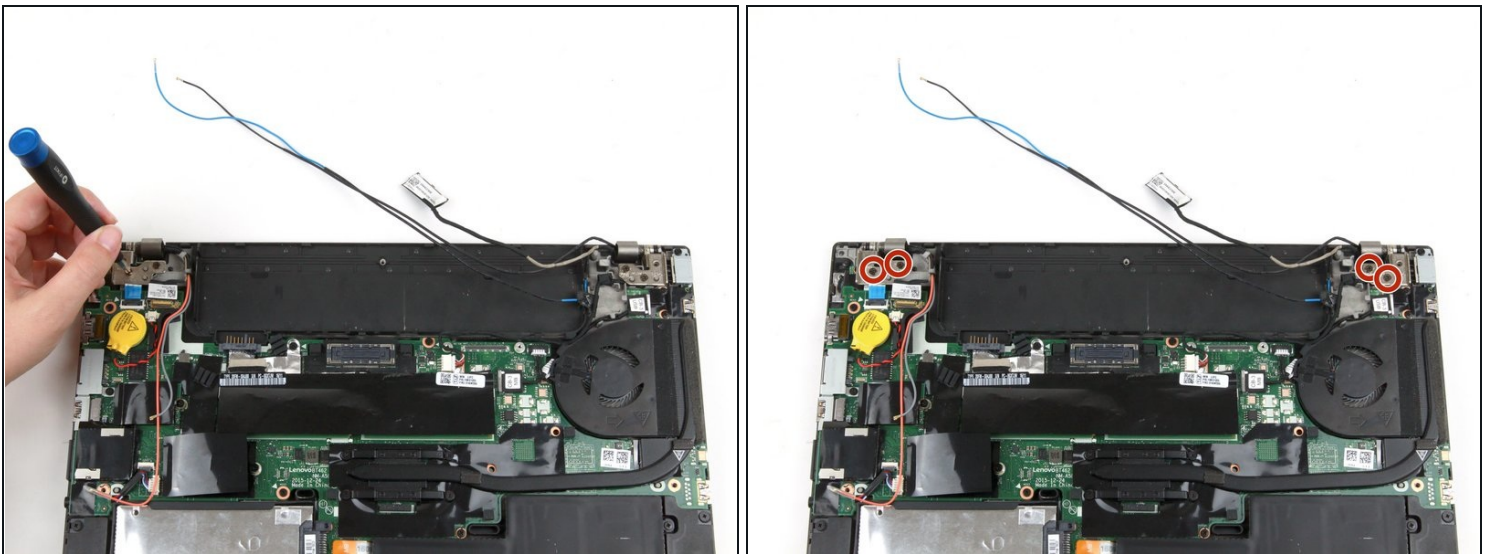
- Use your fingers to remove the gray and red coaxial cables from their slots along the motherboard.

Step 18



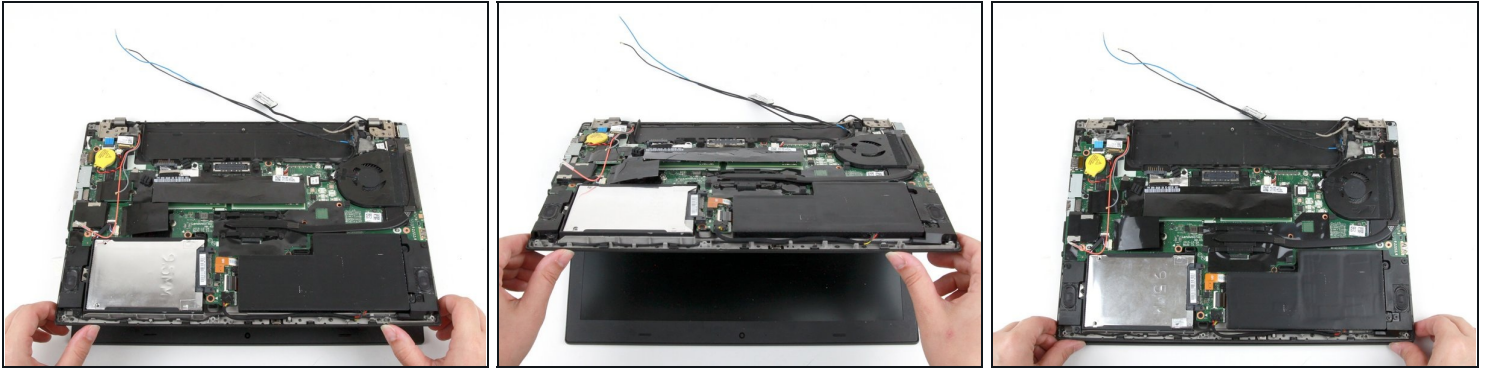
- Use your fingers to remove the blue and black coaxial cables from their slots along the top of the motherboard.

Step 19



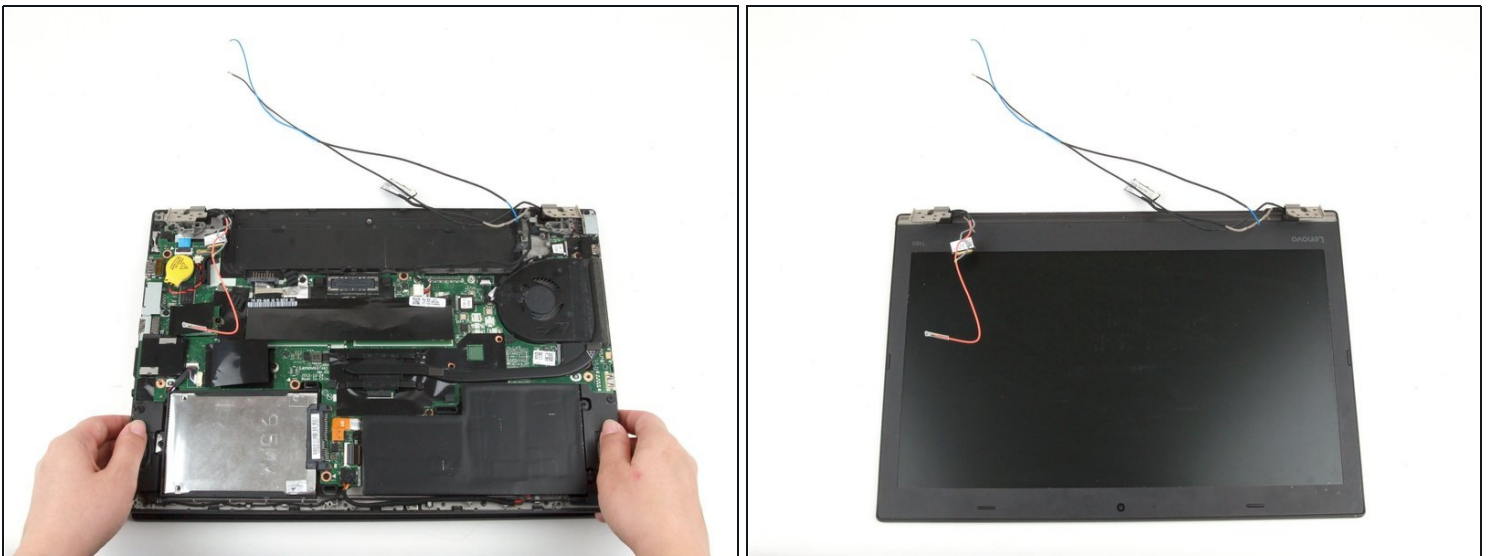
- Remove the four 4.7 mm screws from the hinges using a Phillips #1 screwdriver.

Step 20



- Lift the bottom of the laptop up by a few inches to rotate the two upper hinges.
- Place the bottom of the laptop back down.

Step 21



- Use both of your hands to lift the bottom of the laptop away from the LCD assembly.

To reassemble your device, follow these instructions in reverse order.

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.