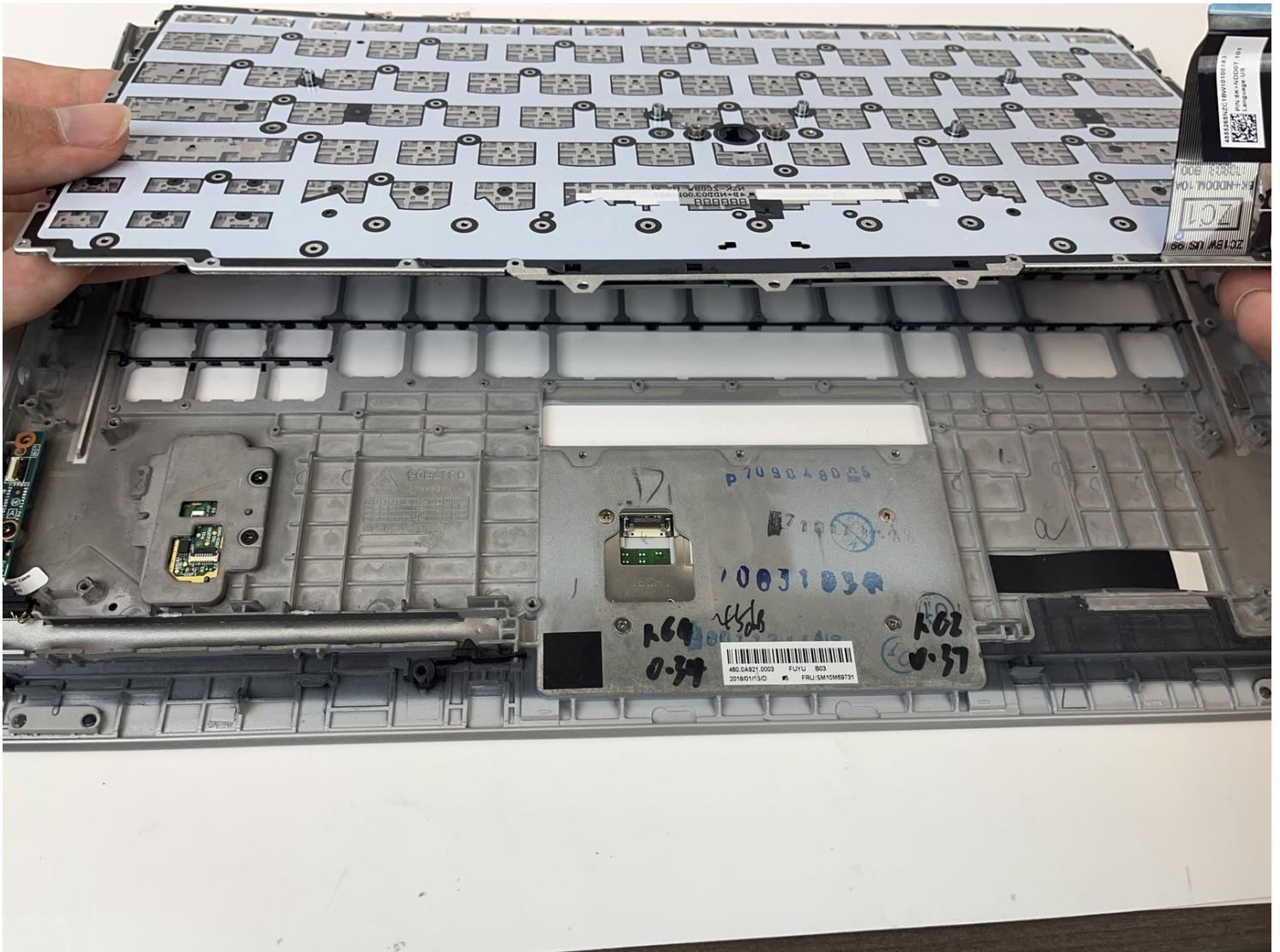




# Lenovo ThinkPad X1 Yoga 2nd Generation Keyboard Replacement

The process to replace the keyboard on the...

Written By: Matteo Lomeli



# INTRODUCTION

The process to replace the keyboard on the Lenovo X1 ThinkPad Yoga 2nd Generation is a relatively complicated task. Through the next steps, the guide will explain the process to fully remove the keyboard.

---

## TOOLS:

Metal Spudger (1)  
Tweezers (1)  
Nylon-Tip Reverse Tweezers (1)  
Spudger (1)  
Phillips #0 Screwdriver (1)  
Phillips #000 Screwdriver (1)


## PARTS:

01LV008 - Lenovo Laptop Keyboard - Genuine (1)

---

## Step 1 — Back Cover



 Ensure the laptop is powered off and the charging cable is disconnected before opening the back cover.

- Flip over the laptop to access the back cover.

## Step 2



- Use a Phillips #0 screwdriver to remove the eight 8 mm screws.

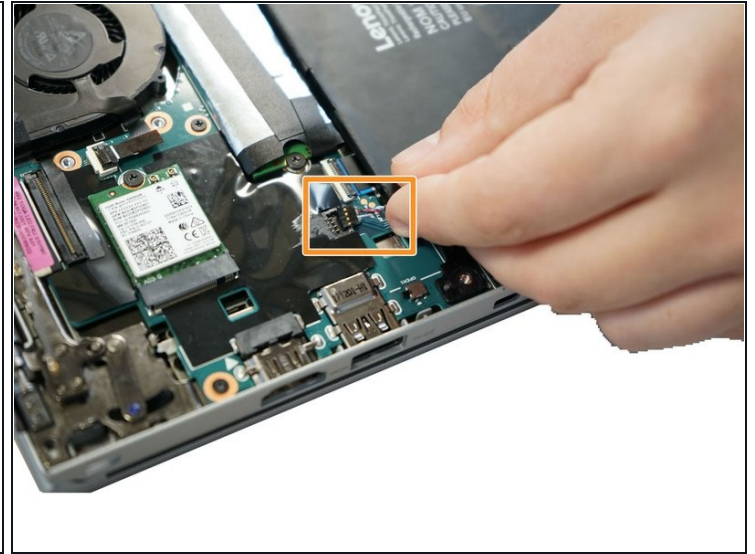
## Step 3



- Remove the back cover.
  - ① A popping sound may occur when the back cover is removed.

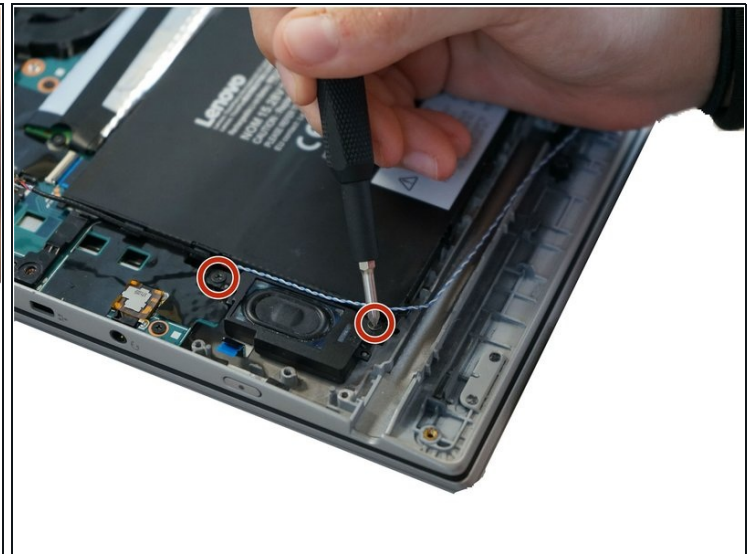
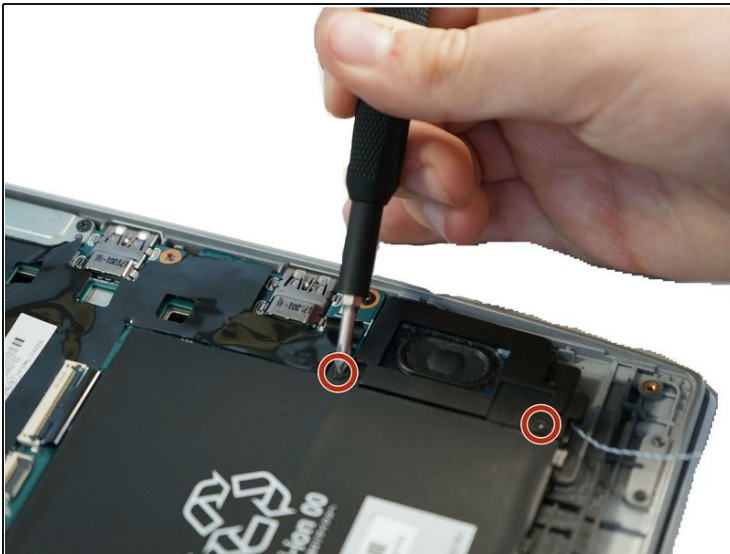


## Step 4 — Speakers



- Follow the ribbon cable that runs from the left speaker to the motherboard.
- Pull the black connector up and release the cable wire by hand.
- ① If needed, pull this connector up using the Pro/ESD/Angled tweezers.

## Step 5



- Remove two 6 mm Phillips #0 screws from each speaker.

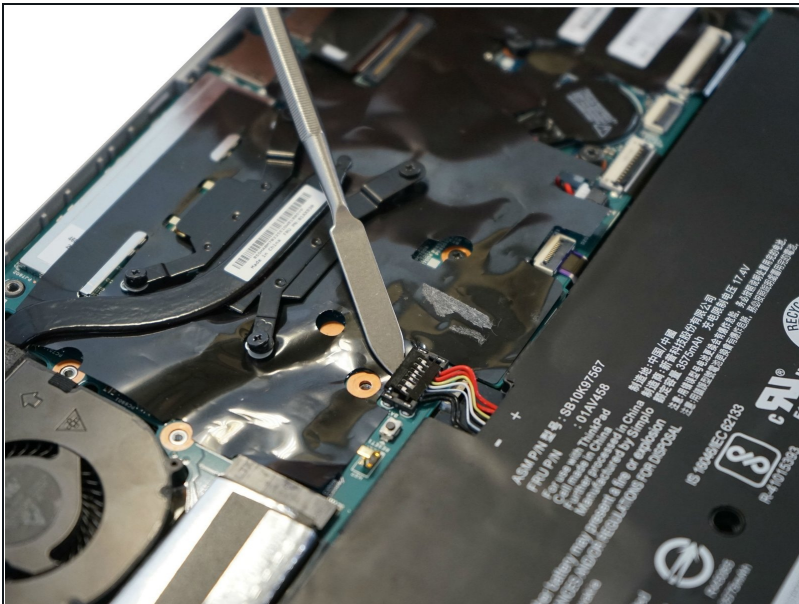


## Step 6



- Use your fingers to remove the speakers from the device.

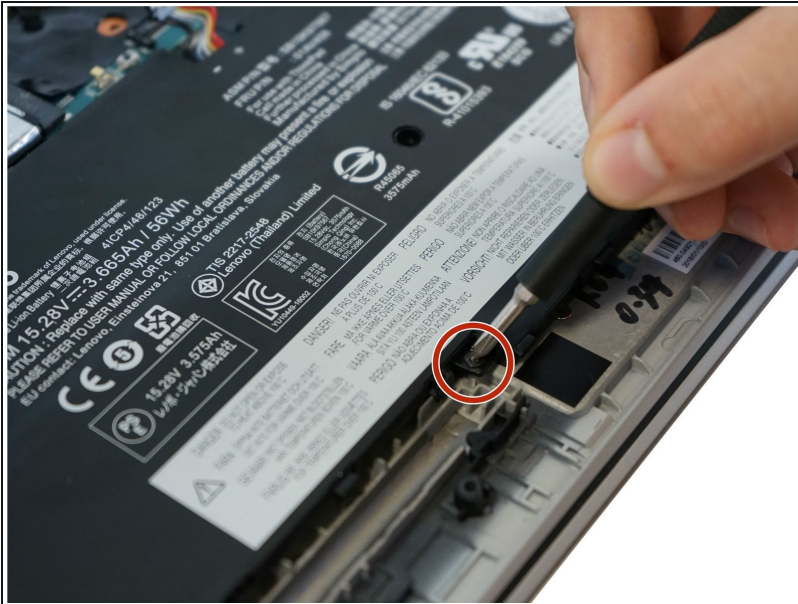
## Step 7 — Battery



- Use a spudger to pop the ribbon cable that runs from the upper-middle portion of the battery to the motherboard out of the motherboard.

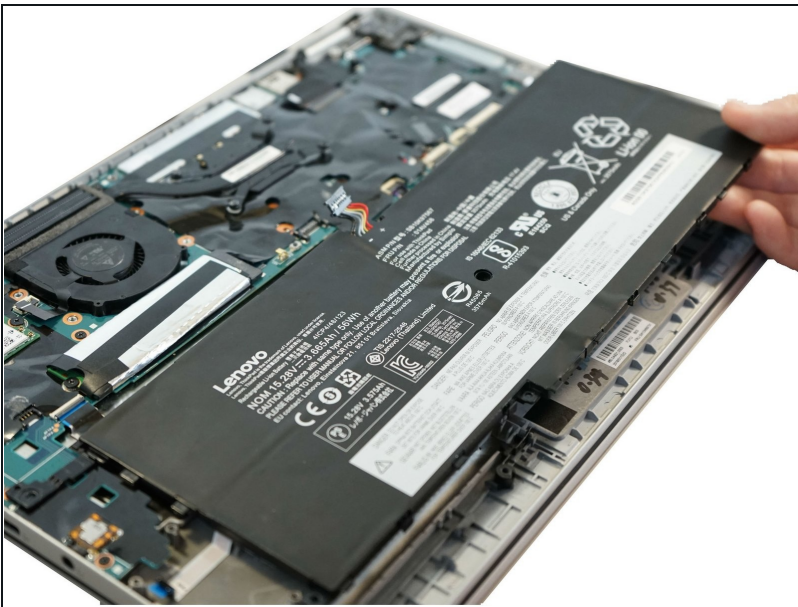
⚠ Do not use a metal spudger as indicated in the photos. The metal spudger should only be used for serious prying power. If it's used on the internal components of a device, it may puncture or damage the components in your device.

## Step 8



- Use a Phillips #0 screwdriver to remove one 6 mm screw from the bottom-middle portion of the battery.

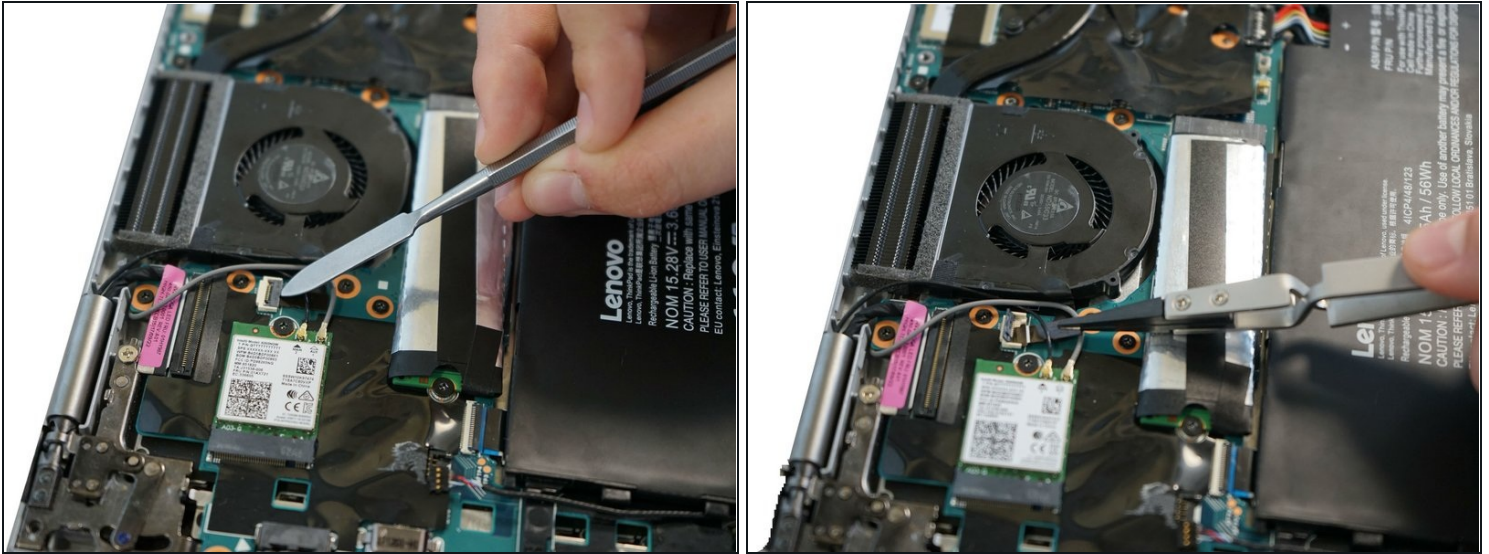
## Step 9



- Remove the battery.



## Step 10 — Fan

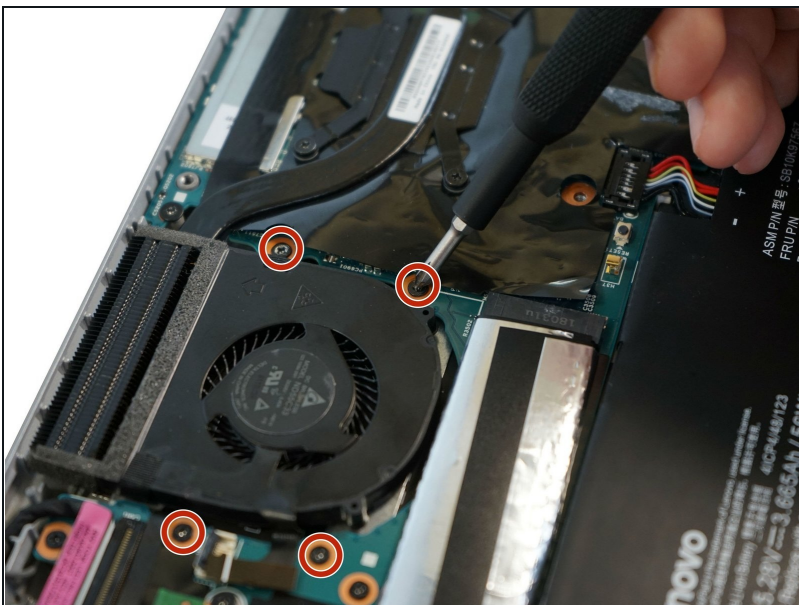


- Lift up the small, metal tab using a spudger.

⚠ Do not use the metal spudger unless if it's being used for serious prying power. The metal spudger may damage or puncture internal components in the device if too much pressure is applied.

- Gently lift the ribbon cable from its socket using nylon-tipped reverse tweezers.

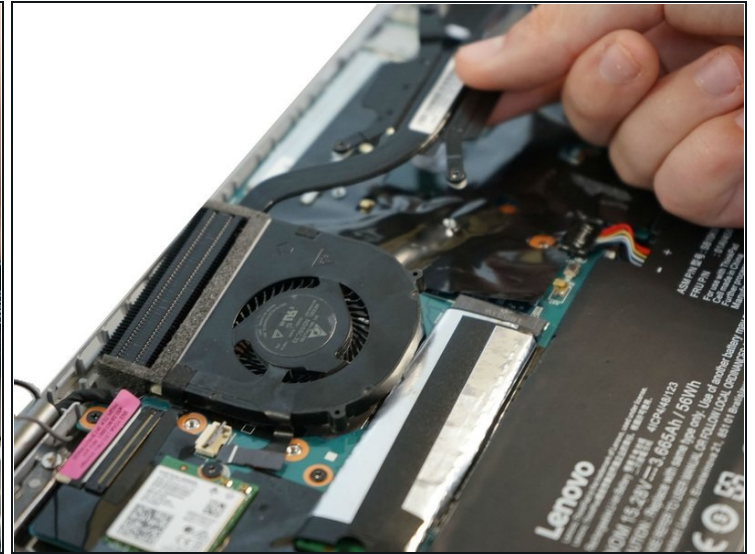
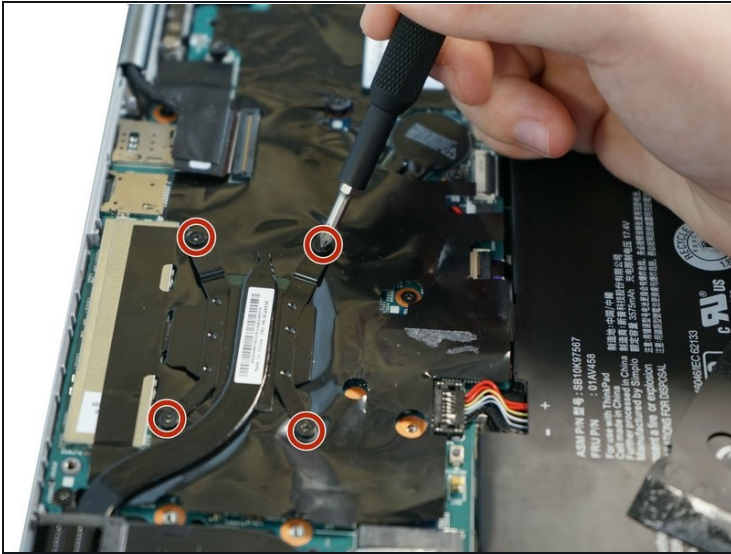
## Step 11



- Using the Phillips #0 screwdriver, unscrew the four 4 mm screws directly next to the fan.

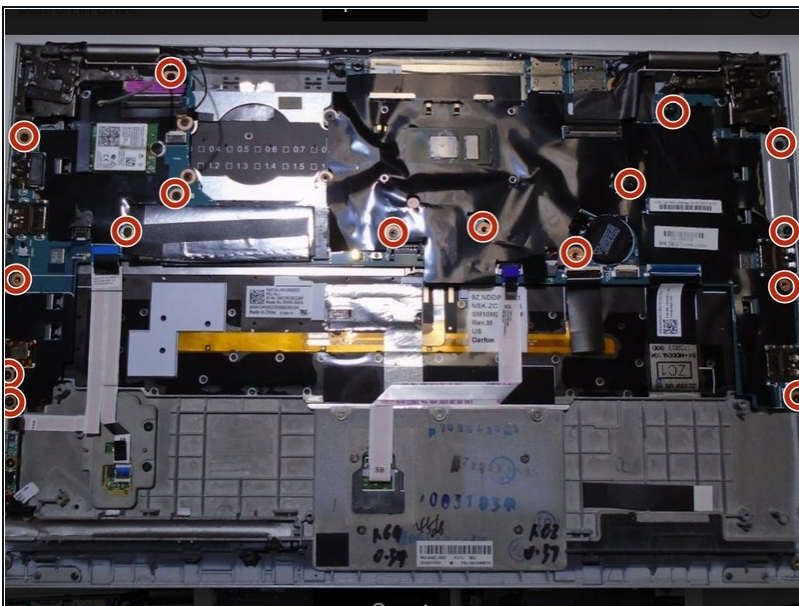


## Step 12



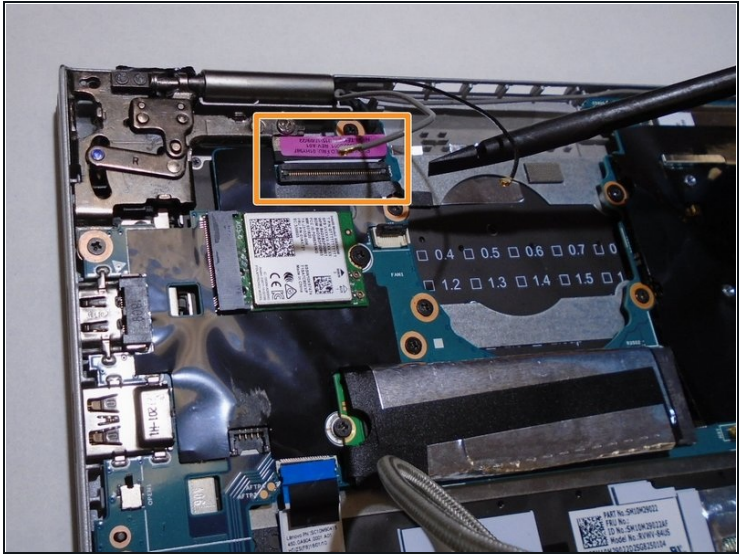
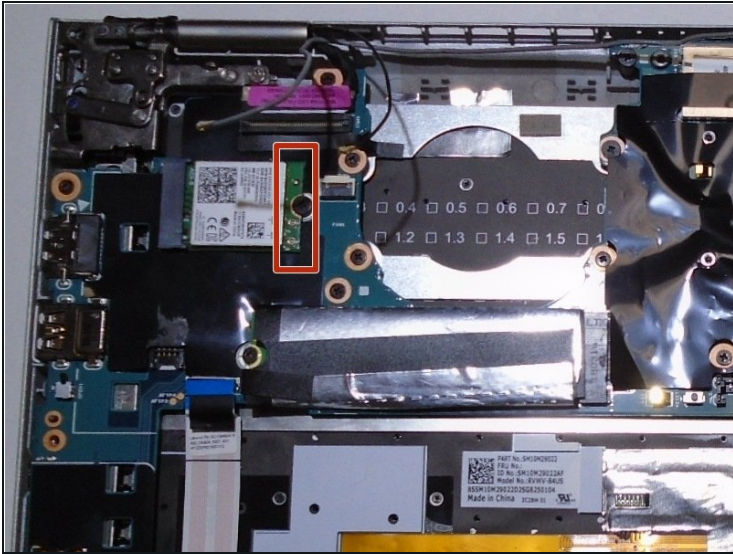
- Loosen the four 5 mm screws in the metal extension attached to the fan.
  - ① The screws do not need to be completely removed from the fan.
- Remove the fan using your fingers.

## Step 13 — Mother Board



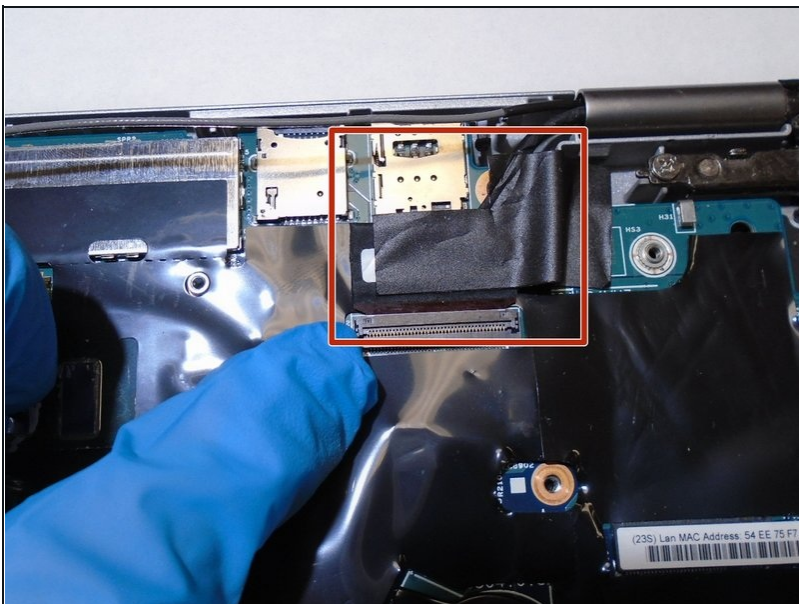
- Using a Phillips #0 screwdriver, remove all 16 of the 6 mm screws connecting the motherboard to the computer.

## Step 14



- Using the nylon spudger, disconnect the grey and black wires.
- Using the nylon spudger, gently disconnect the pink tab from the motherboard.

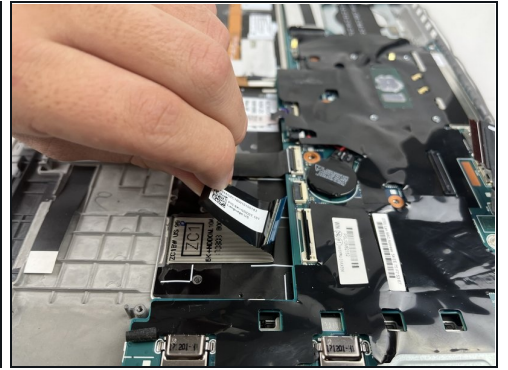
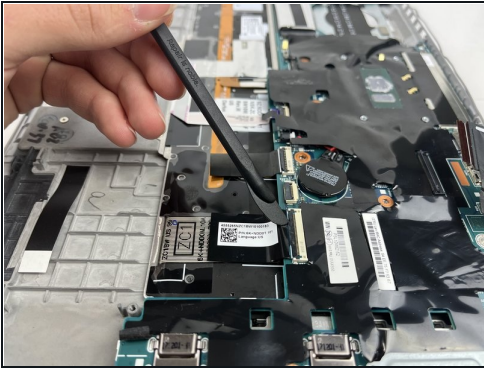
## Step 15



- Carefully remove the black tape with your fingers.
- ⚠ Do not remove the sticky residue from the back of the section.

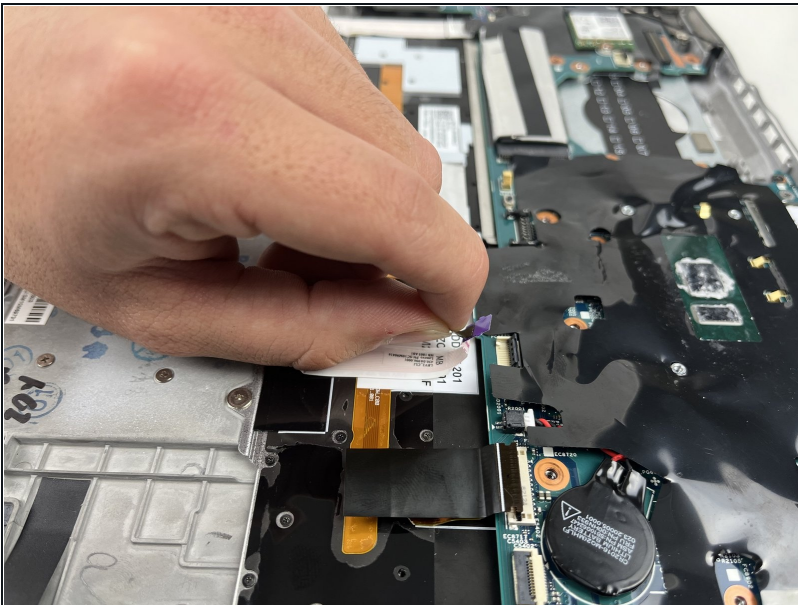


## Step 16



- Lift the Black flap using a plastic spudger.
- Pull out the ribbon cable with the black tab.

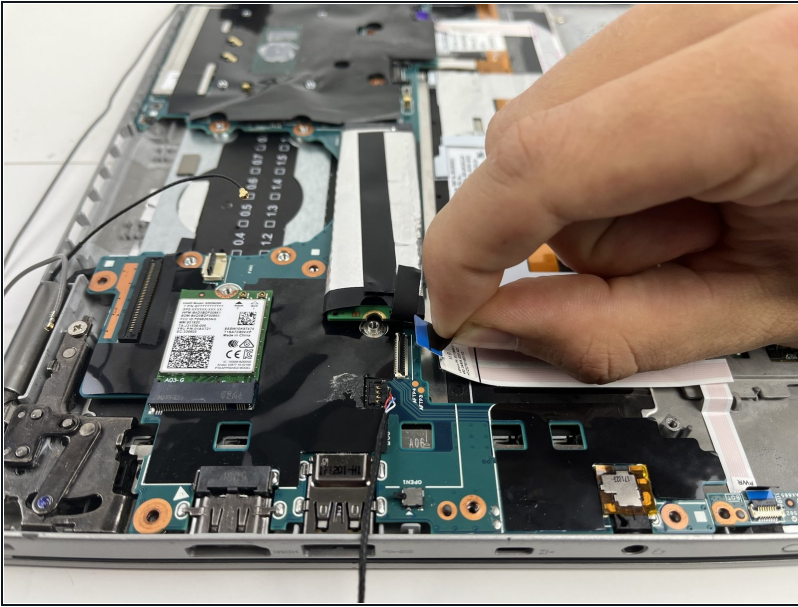
## Step 17



- Remove the purple tab by gently pulling it out.

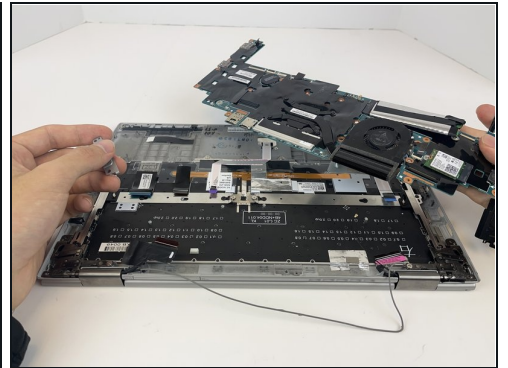
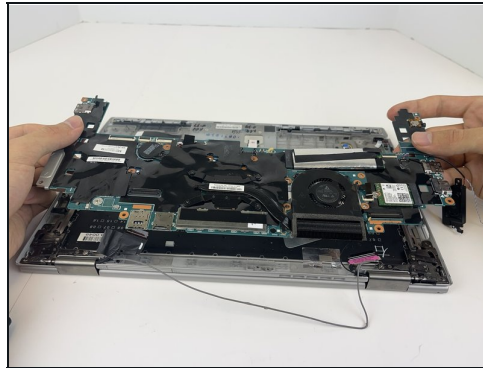
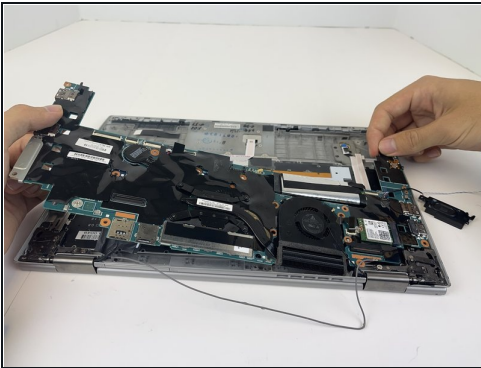


## Step 18



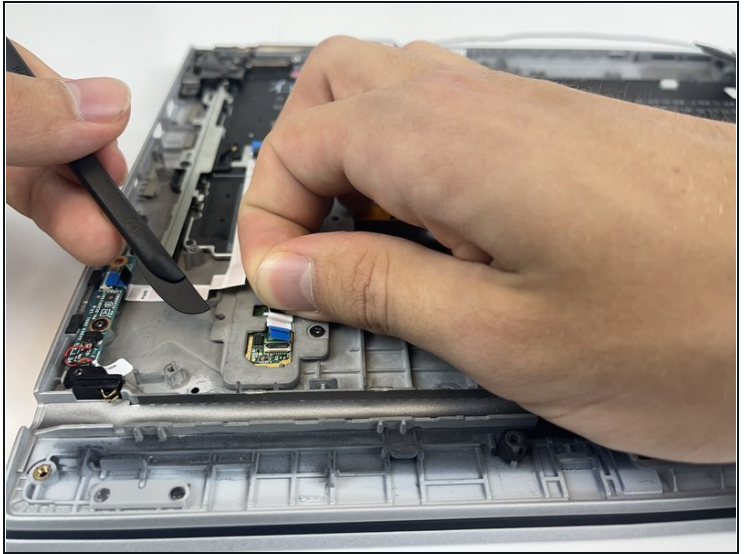
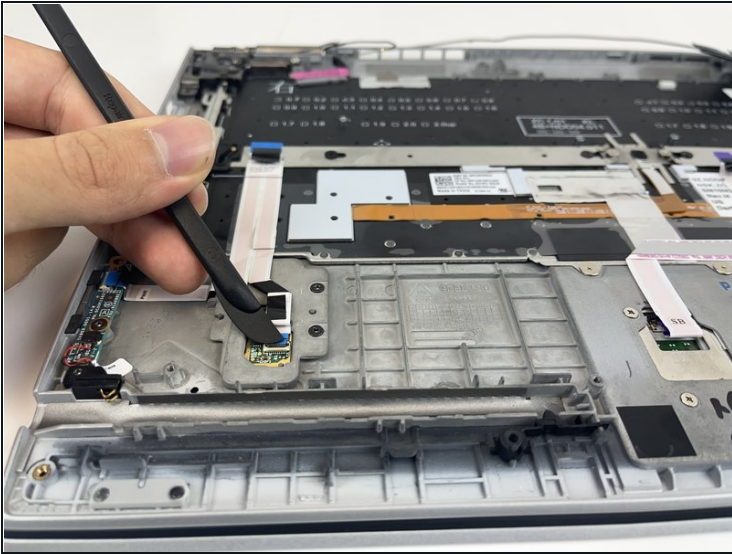
- Remove the blue tab by gently pulling it out.

## Step 19



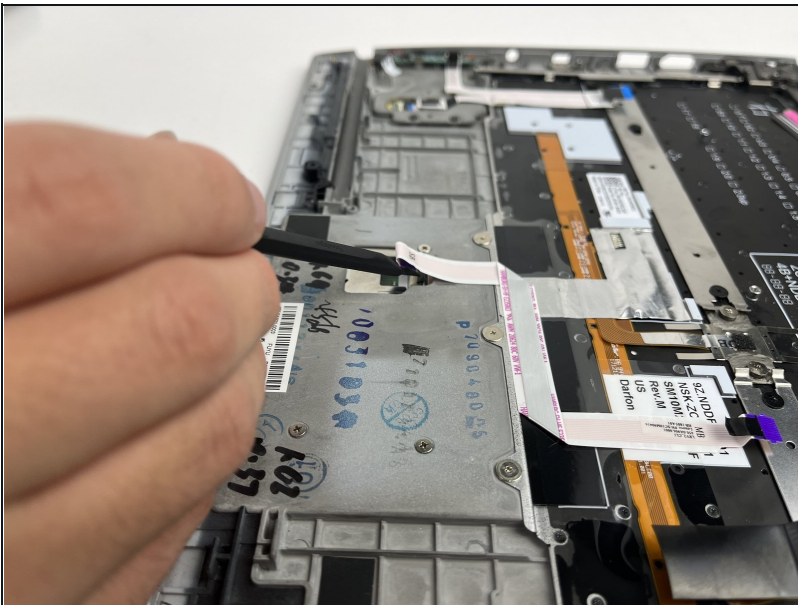
- Gently lift up on the sides with your hands and remove the motherboard.

## Step 20 — Keyboard



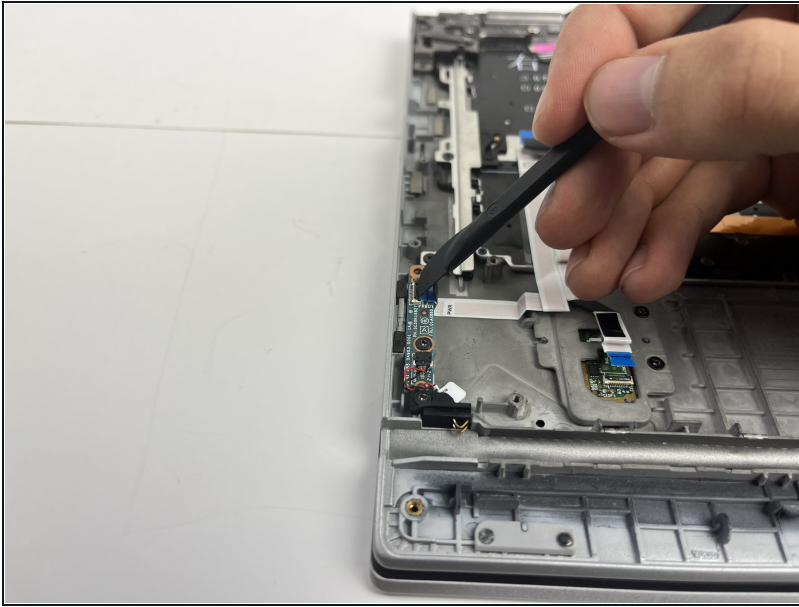
- Lift the black flap with the plastic spudger.
- Pull out the ribbon cable with the black tab.

## Step 21



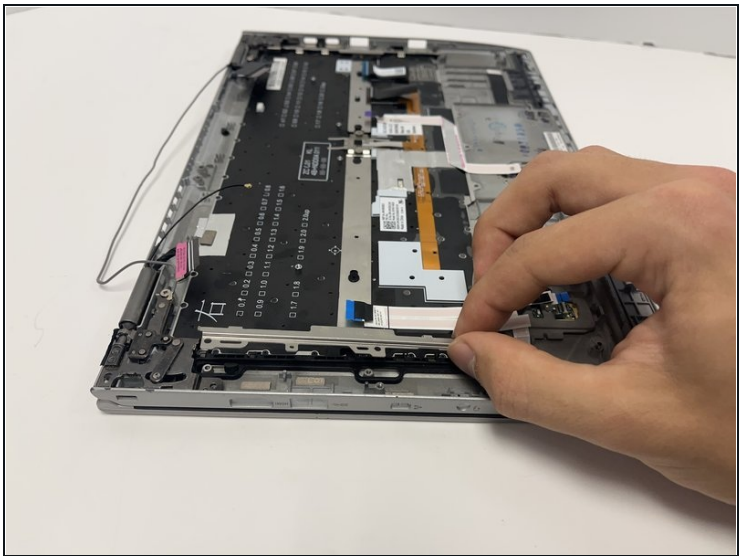
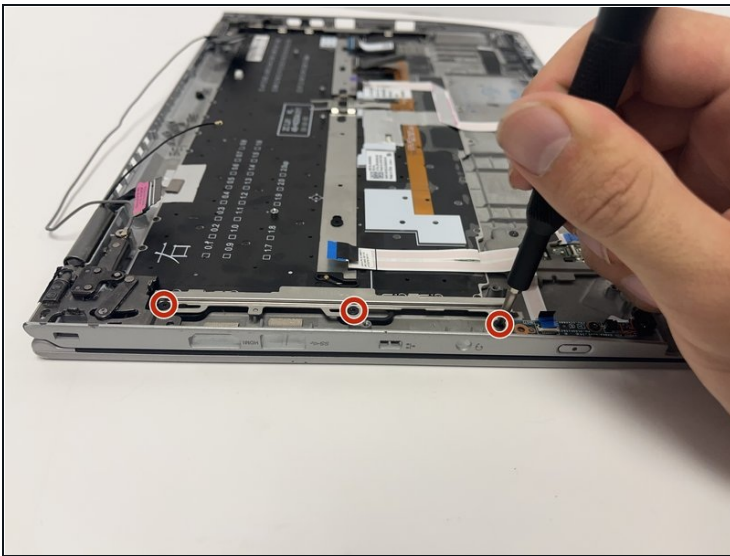
- Use the spudger to gently pry up the ribbon cable.

## Step 22



- Use the spudger to disconnect the ribbon cable.

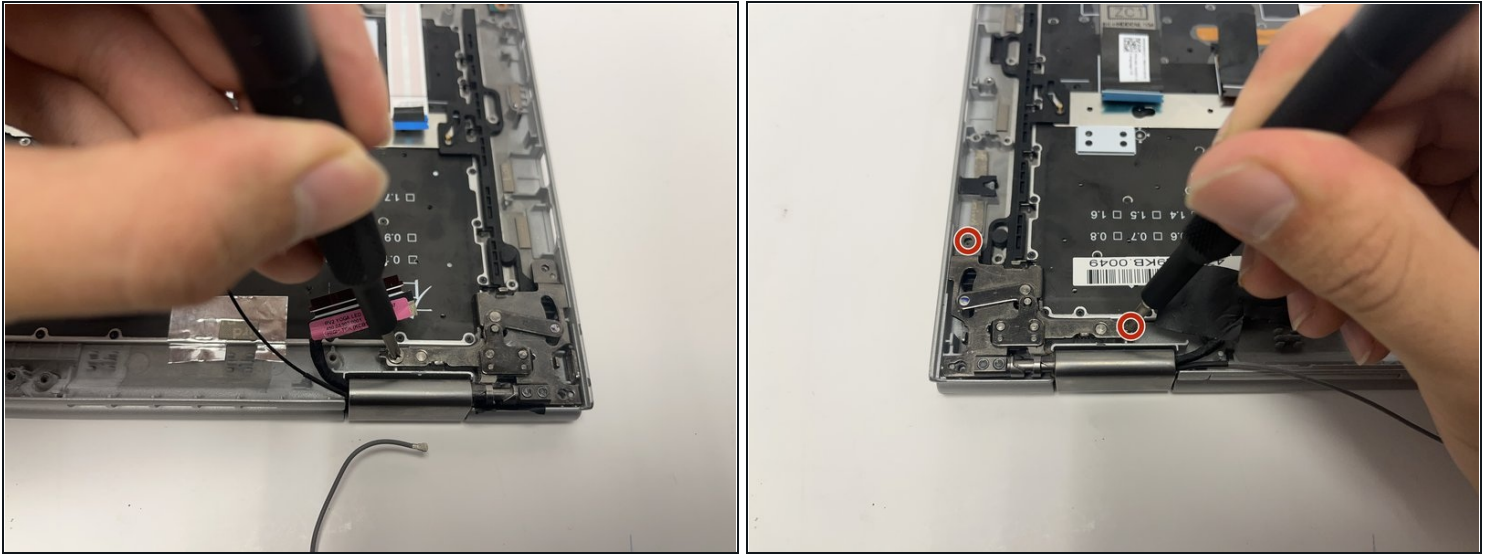
## Step 23



- Use the Phillips #0 screwdriver to remove the three 2.8 mm screws holding down this metal plate.
- Repeat the same process with the identical metal plate on the opposite side.



## Step 24



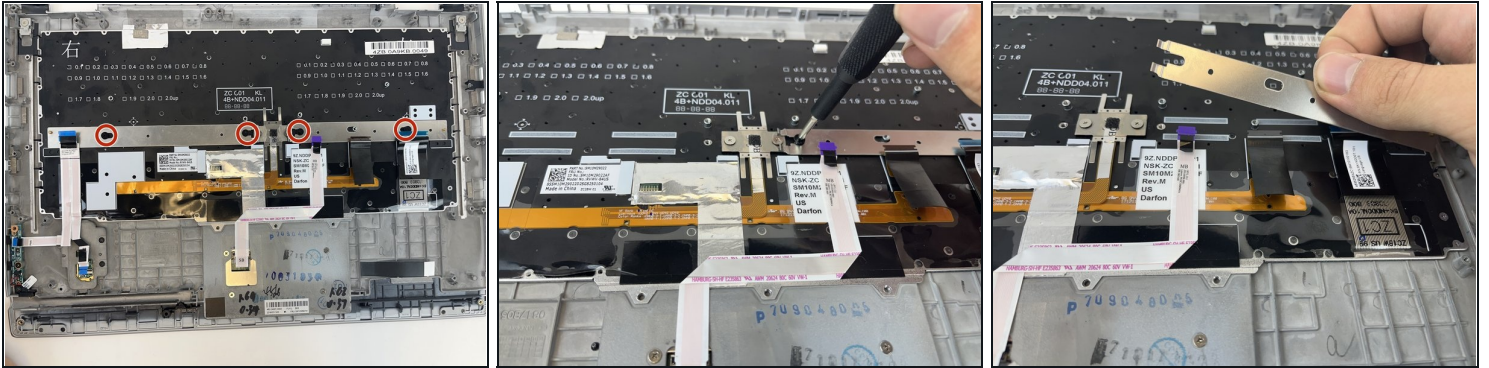
- Use the Phillips #0 screwdriver to remove the two 5.4 mm screws connecting the hinge mount to the base.
- Repeat on the opposite hinge mount.

## Step 25



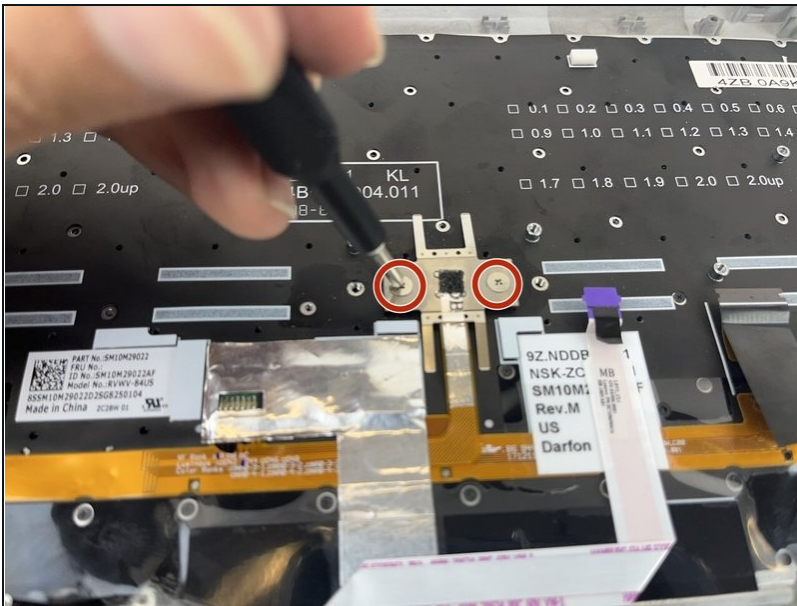
- Open the laptop hinge by pulling the screen away from the keyboard.
- Lift the keyboard up and off the hinge brackets.

## Step 26



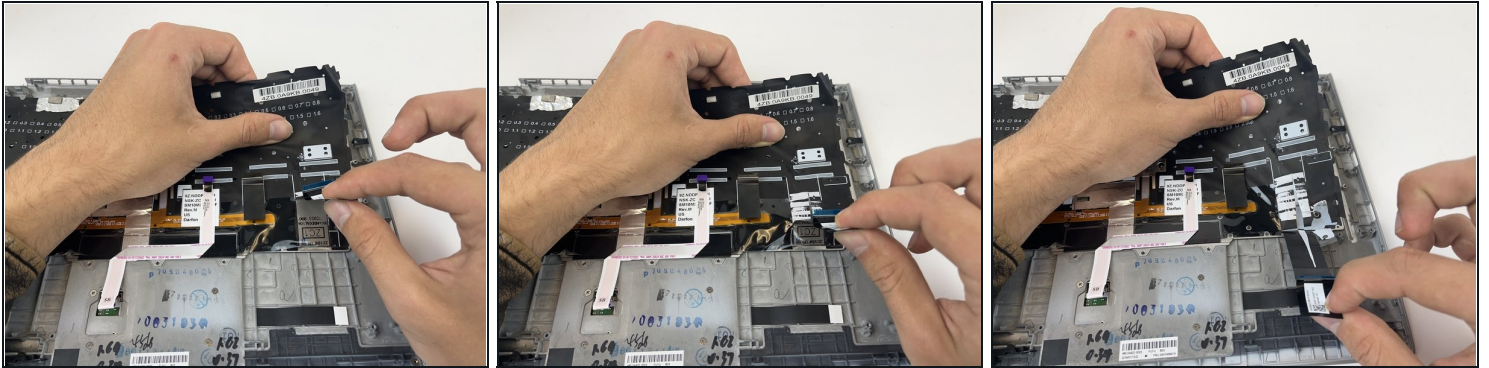
- Use the Phillips #0 screwdriver to remove the two 3.2 mm screws securing the metal bar on the right side.
- Repeat with the identical bar on the left.

## Step 27



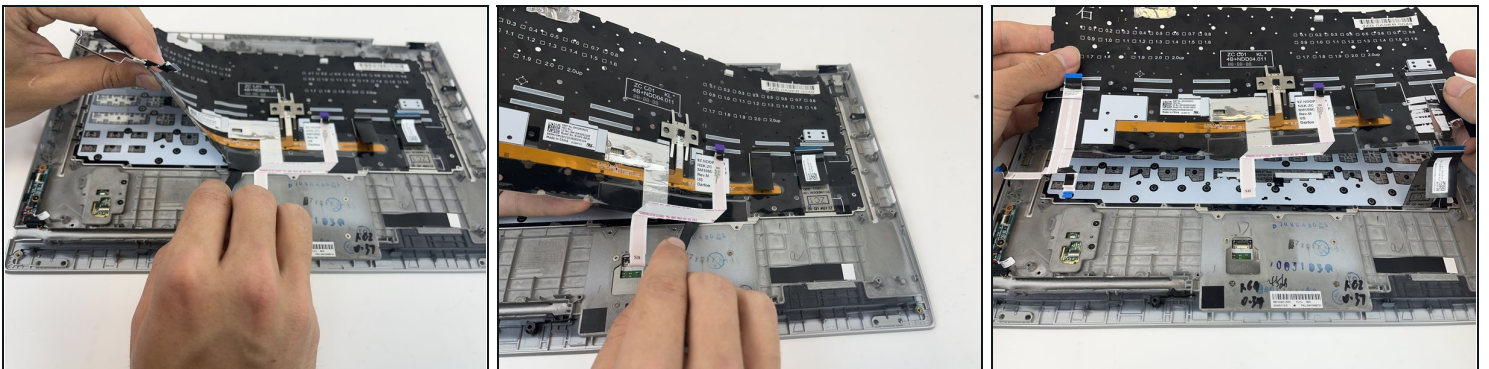
- Use the Phillips #0 screwdriver to remove the two 2.5 mm screws on the metal plate in the center of the keyboard.

## Step 28



- Carefully pull back on the black tab to remove the ribbon cable from the back of the keyboard.

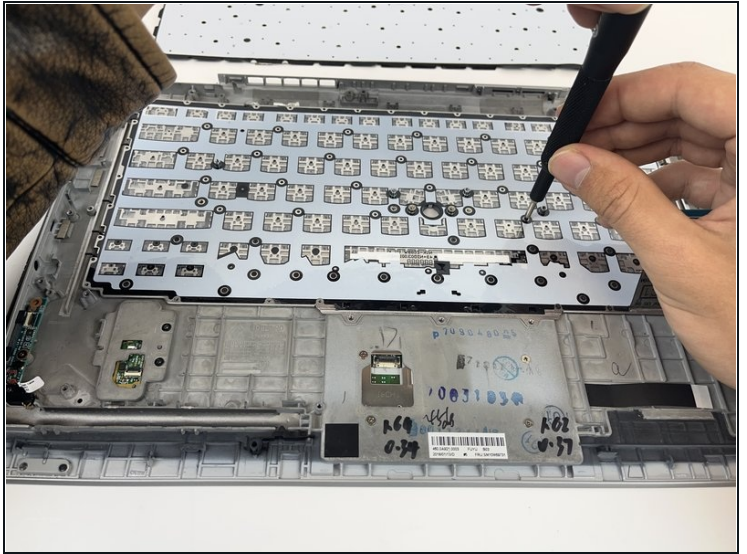
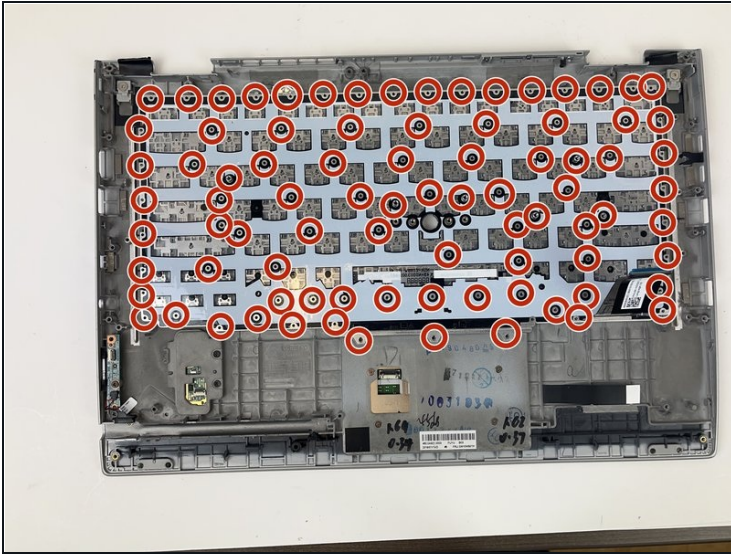
## Step 29



- Use the plastic spudger to pry up the black plastic sheet on the back of the keyboard.
- Gently pull the sticky edges of the plastic sheet with your hands and a spudger.
- Lift and carefully remove the plastic sheet.

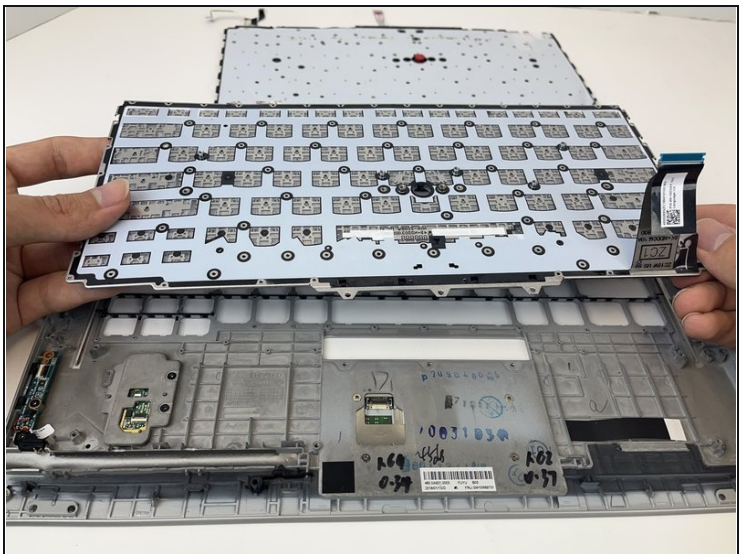
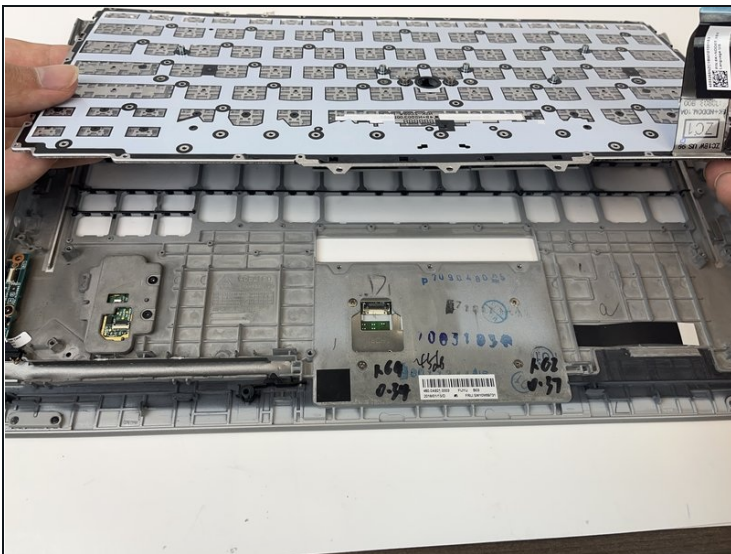


## Step 30



- Remove all the 2 mm screws from the back of the keyboard using a Phillips #000 screwdriver.

## Step 31



- Gently lift the keyboard out of the laptop.

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