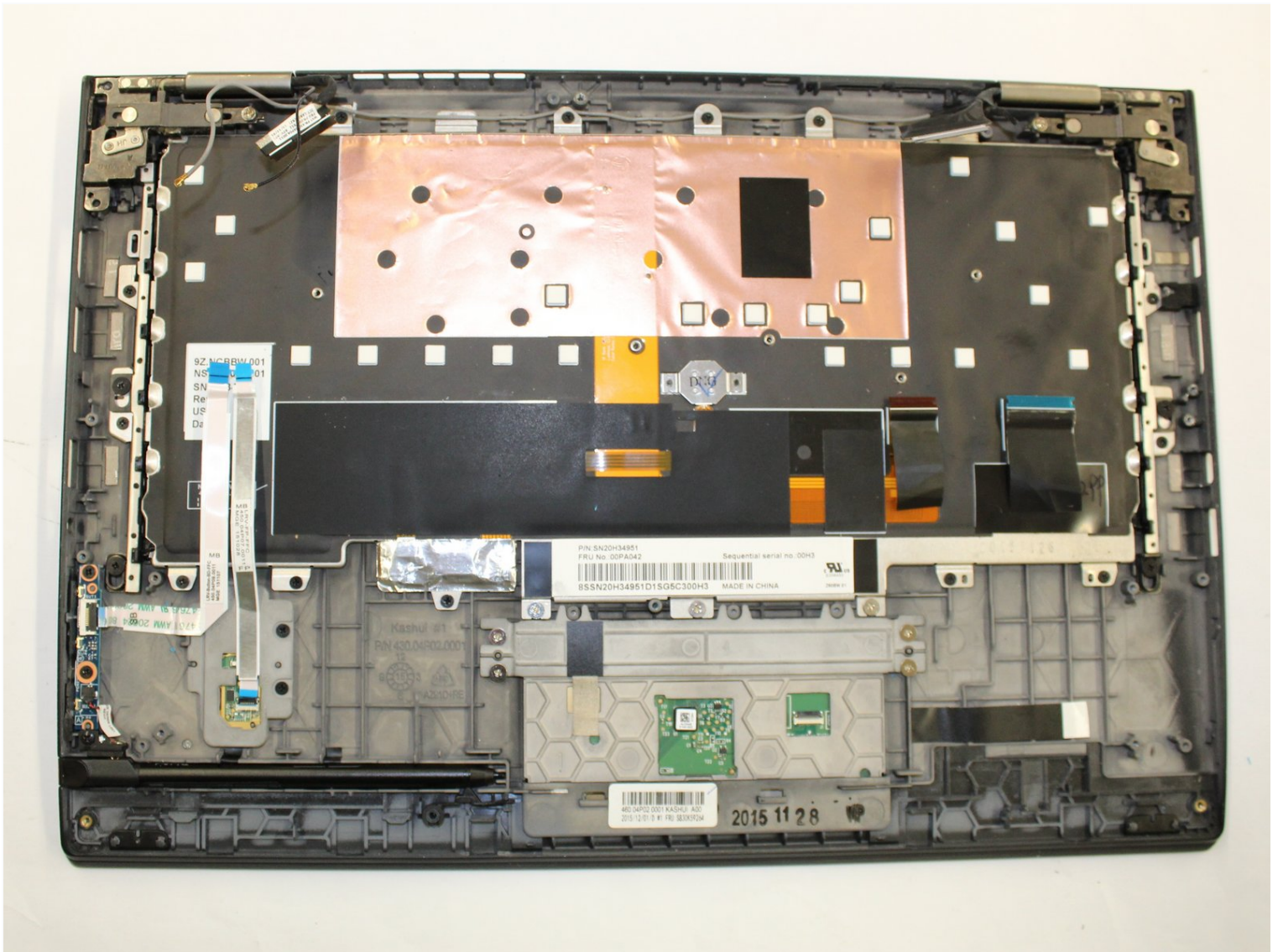




# Lenovo ThinkPad X1 Yoga Keyboard Replacement

The keyboard is an essential component of the...

Written By: Nicholas Frachiseur



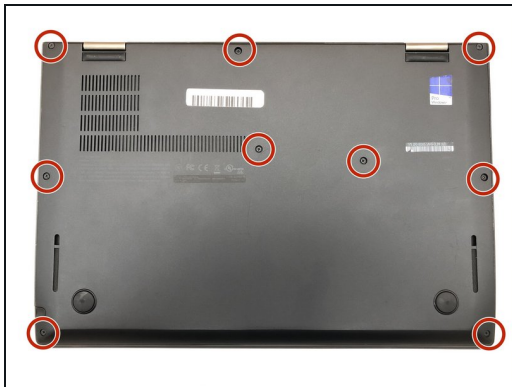
# INTRODUCTION


The keyboard is an essential component of the device so that a user can properly type a command into the device. If the keyboard isn't properly recording your strokes, you may need to replace it.

## TOOLS:

- Phillips #1 Screwdriver (1)
- iFixit Opening Tool (1)
- Tweezers (1)
- Phillips #000 Screwdriver (1)
- Microfiber Cleaning Cloths (1)

## Step 1 — Back Cover



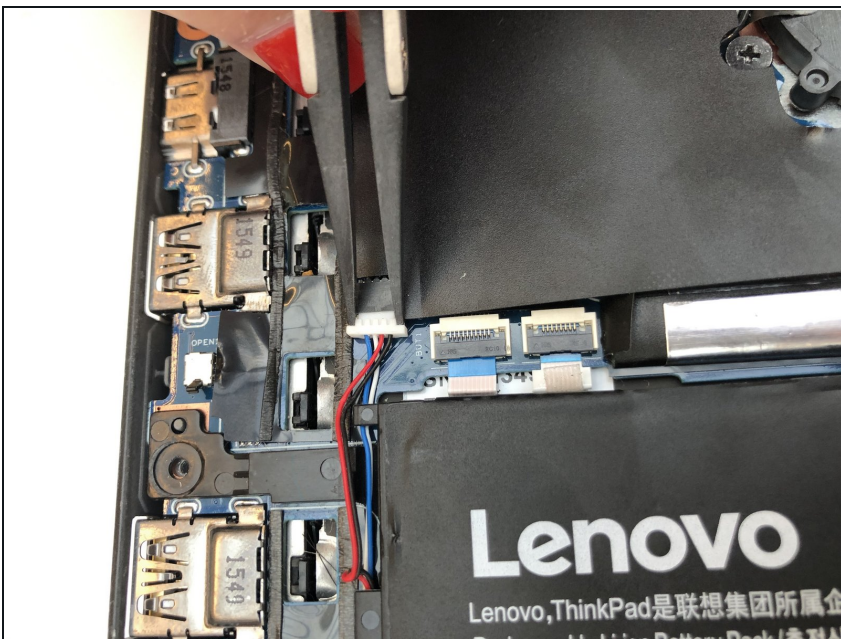
-  Be sure to power off and unplug your device before you begin your repair.
- Flip the computer over so the bottom is facing up.
- Remove nine 4mm Phillips #1 screws from the bottom of the computer.
- Use an iFixit opening tool to pry the back cover off of the laptop.

## Step 2 — Speakers



- Remove the five 4.5mm Phillips #1 screws that secure the battery.

## Step 3



- Using a pair of tweezers, push the sides of the white speaker wire toward the battery (where it says Lenovo) to unplug it.

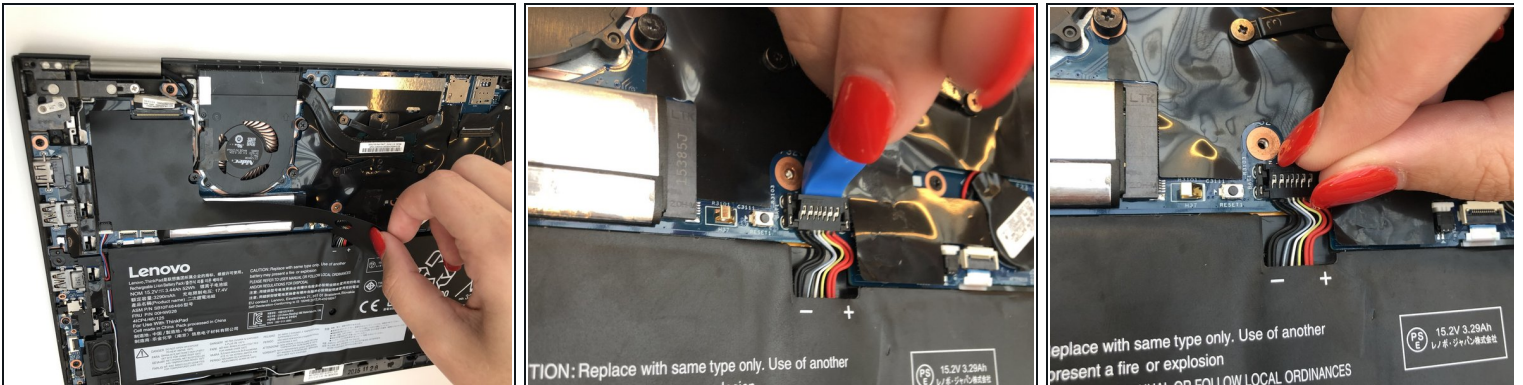


## Step 4



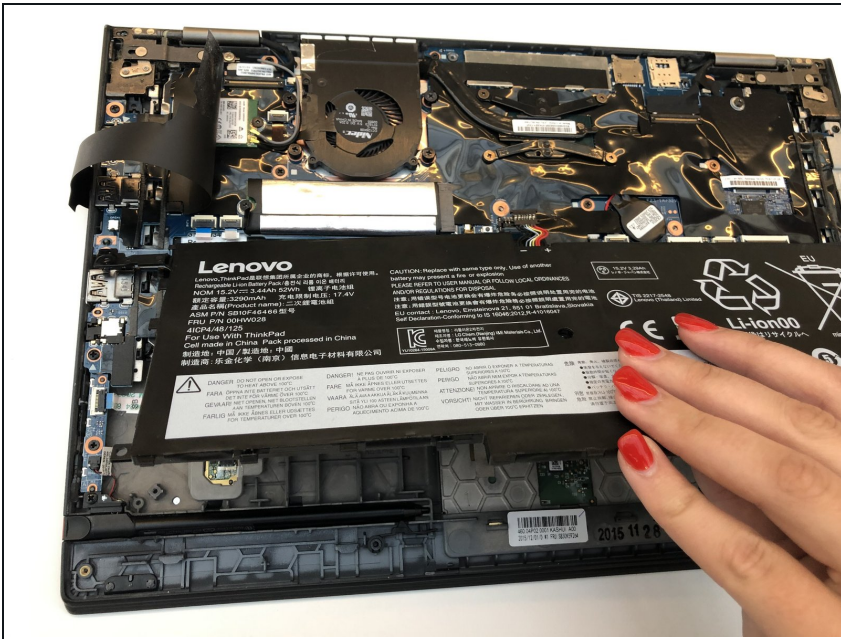
- Remove the speakers from either side of the battery. The connecting wire will unthread from the sides of the battery.

## Step 5 — Battery



- Lift the plastic black strip cover that's laying over the battery connector.
- Use the iFixit opening tool to flip up and disconnect the black battery connector from its motherboard socket.
- Gently pull the connector away from the battery to pull it out of the slot.

## Step 6



- Lift and remove the battery away from the computer.

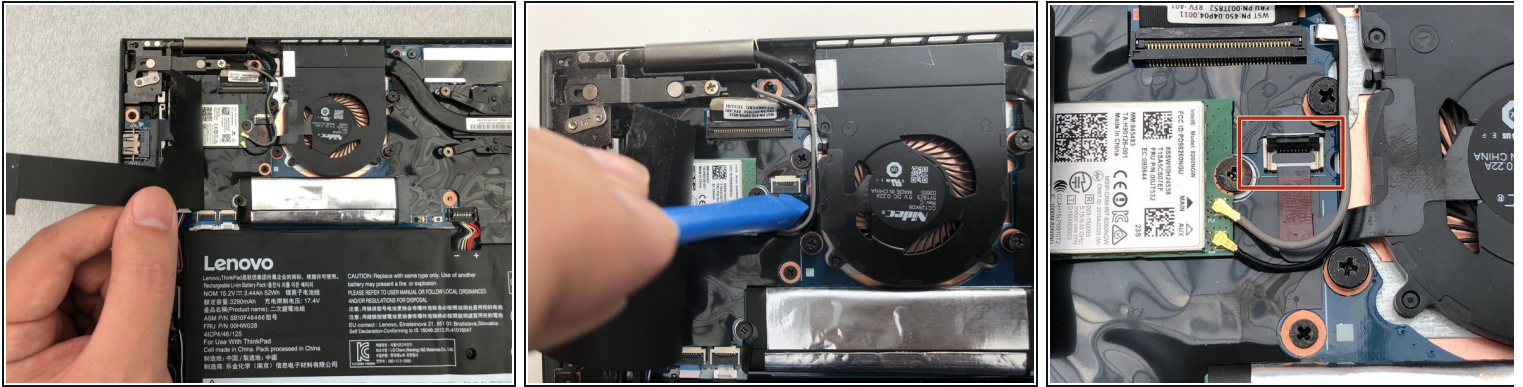
## Step 7 — Cooling Fan



- Remove four 4.5mm Phillips #1 screws from the corners of the heat sink.

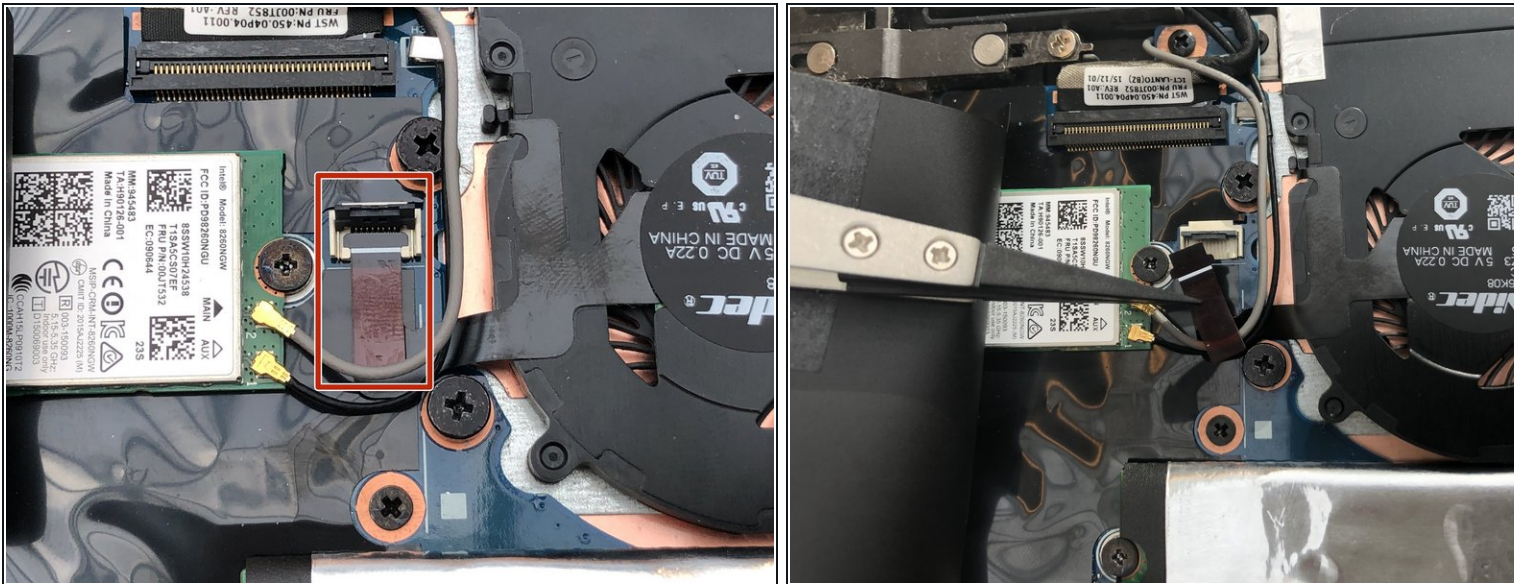


## Step 8



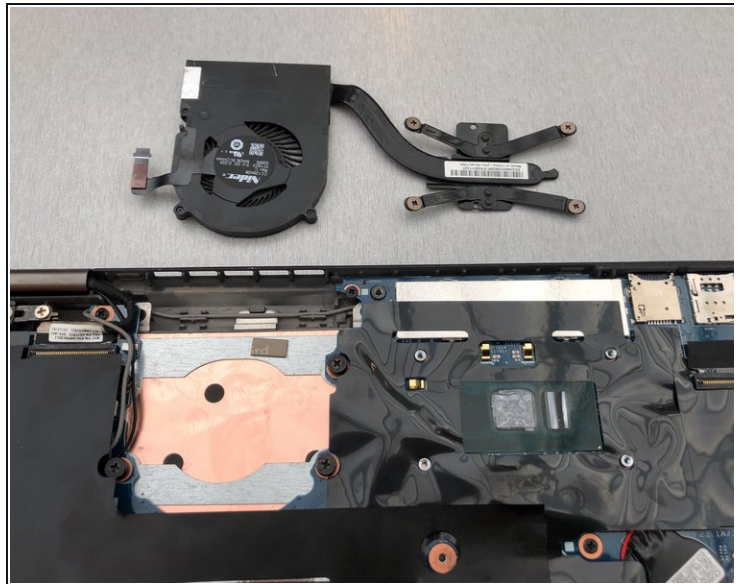
- Gently peel back the black plastic covering around the fan.
- ⓘ You may hear or feel the adhesive pulling away here.
- Using an iFixit opening tool, flip up the small black cover of the fan plug.

## Step 9



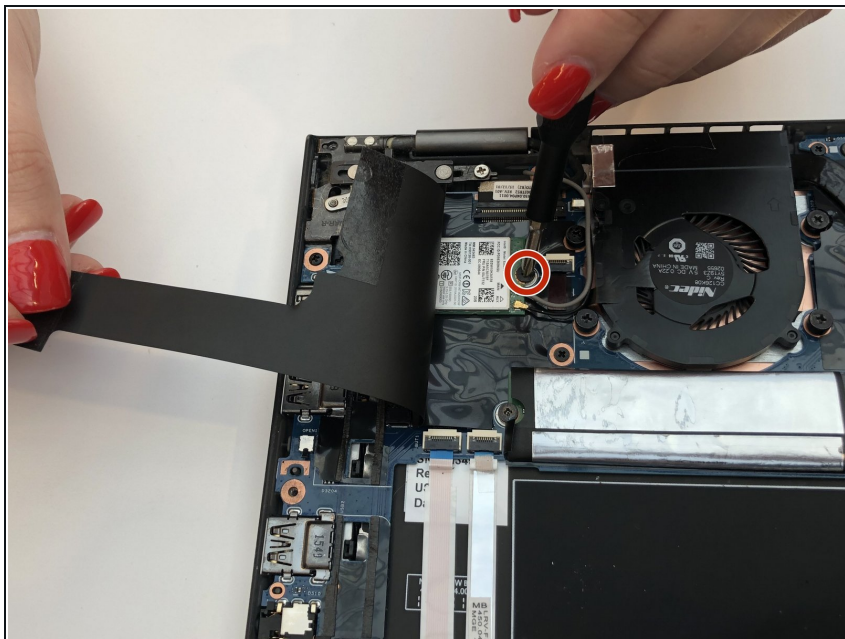
- Using tweezers, pull the plastic strip out.

## Step 10



- Remove the fan from the computer.

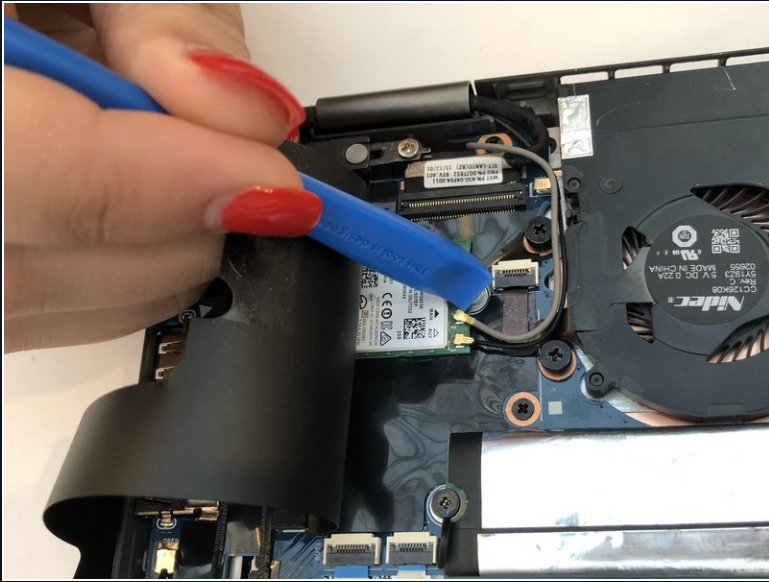
## Step 11 — Wireless chip



- Gently peel back the black plastic covering.
- Remove the single Phillips #1 screw securing the wireless chip in place.

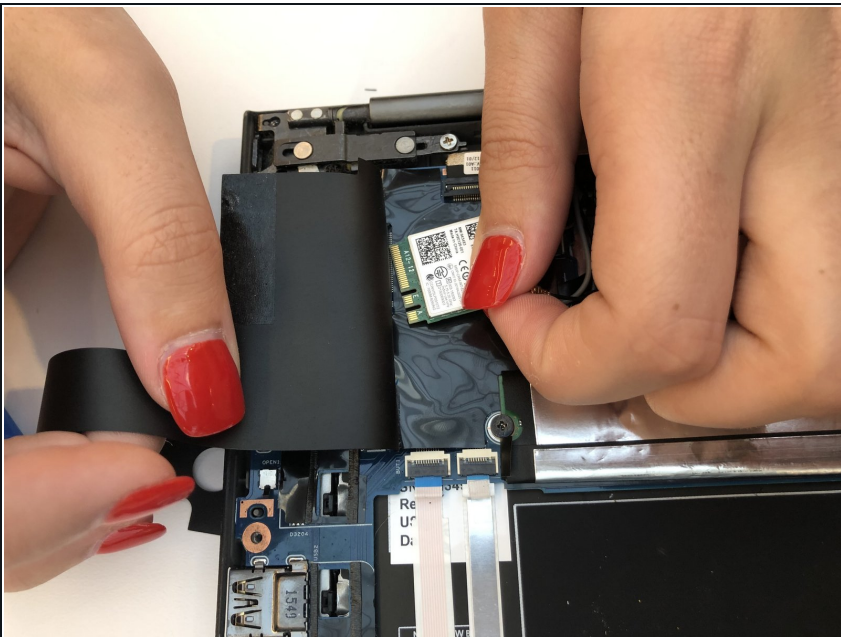


## Step 12



- Use an iFixit opening tool to gently pop the gold caps off their connections.
- Move these wires out of the way.

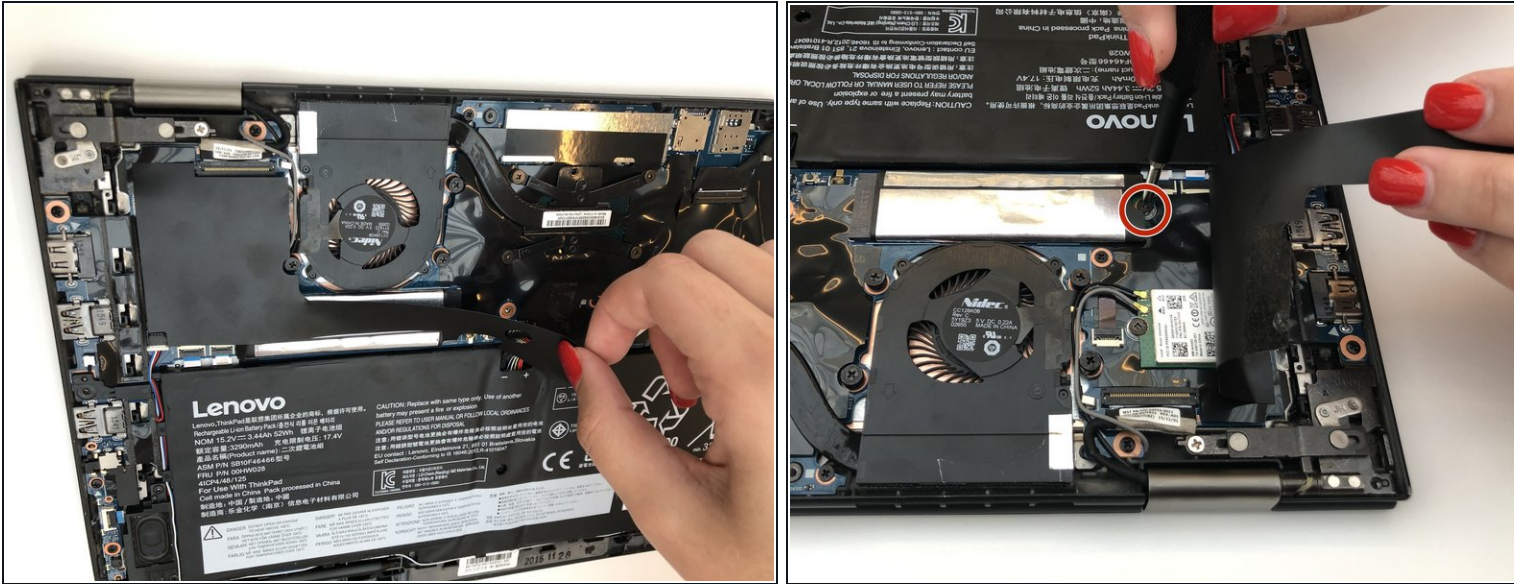
## Step 13



- Slide the chip out.

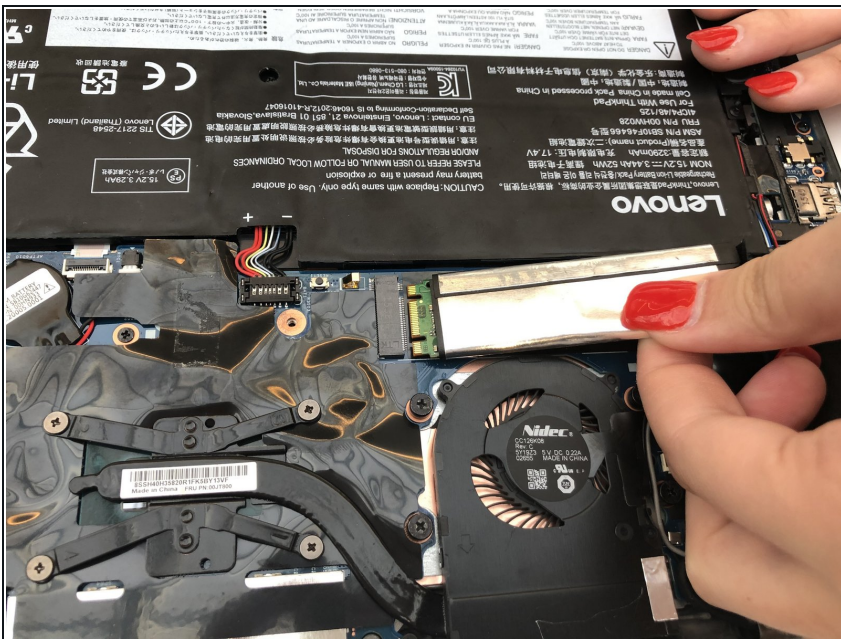


## Step 14 — Hard Drive



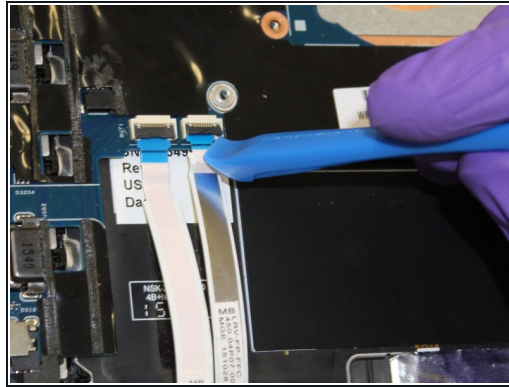
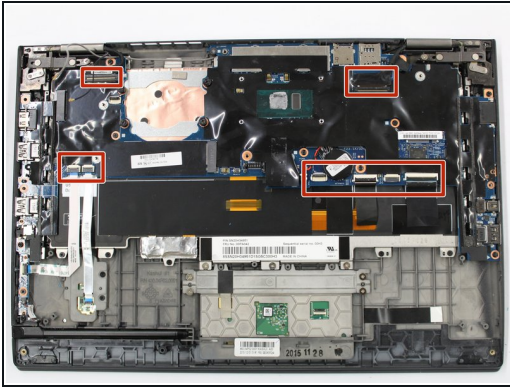
- Gently peel back the black plastic covering.
- Remove the single 2mm Phillips #1 screw from the hard drive's silver casing.

## Step 15



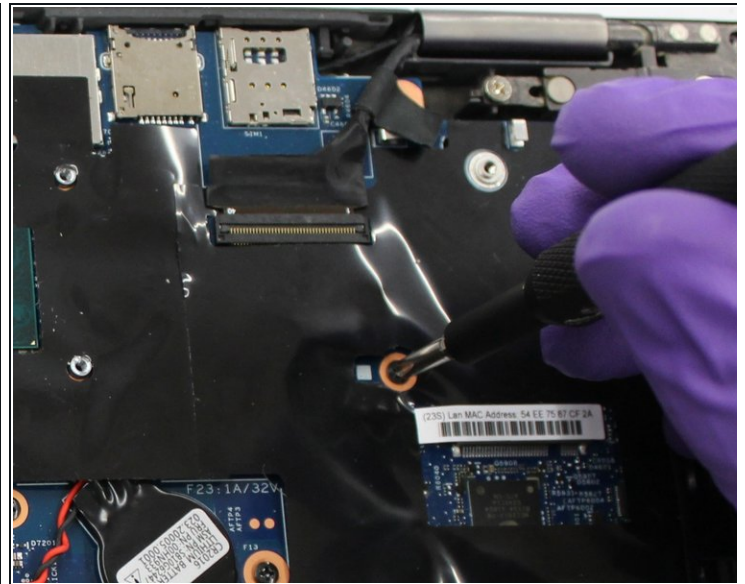
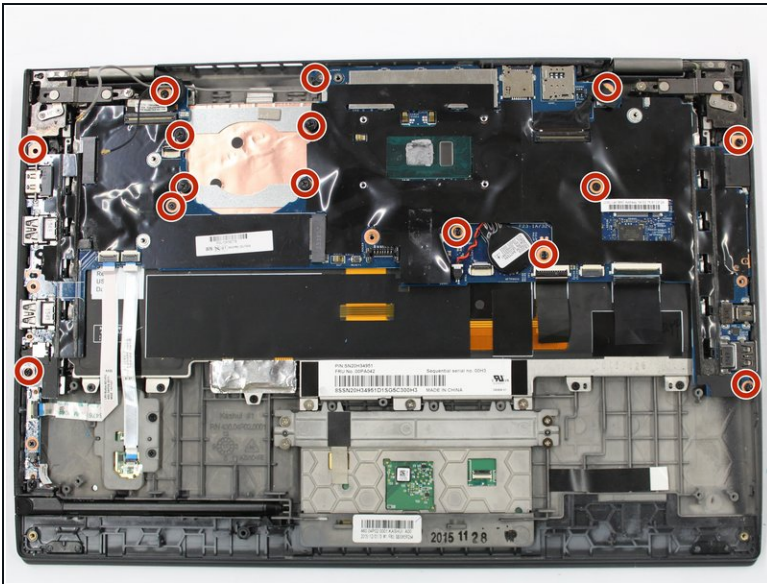
- Unplug the hard drive from the computer by pulling away from the computer.

## Step 16 — Motherboard



- Using the iFixit opening tool, flip up the eight small covers from the cable connectors.
- Gently pull the cables out of the slots.

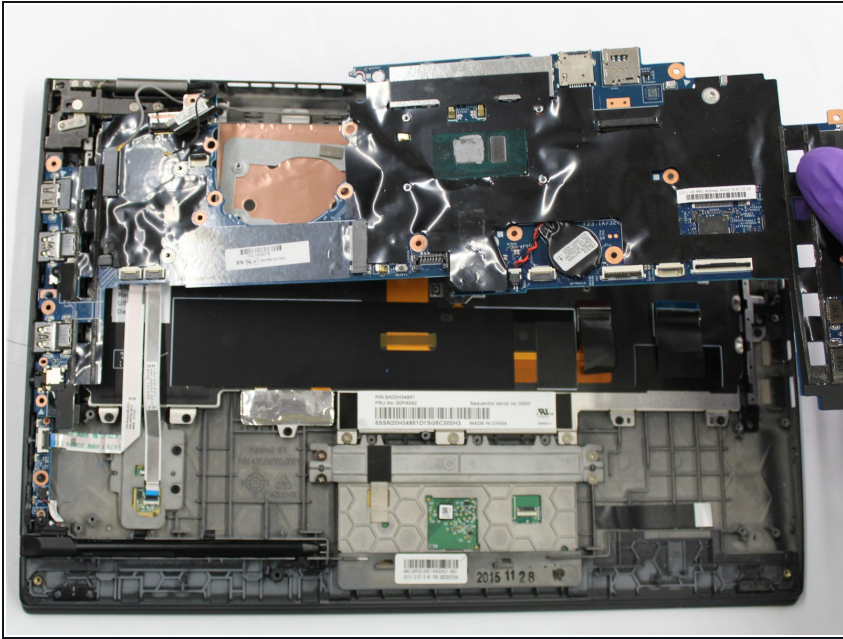
## Step 17



- Using the Phillips #1 screwdriver, remove sixteen 4.5mm screws.

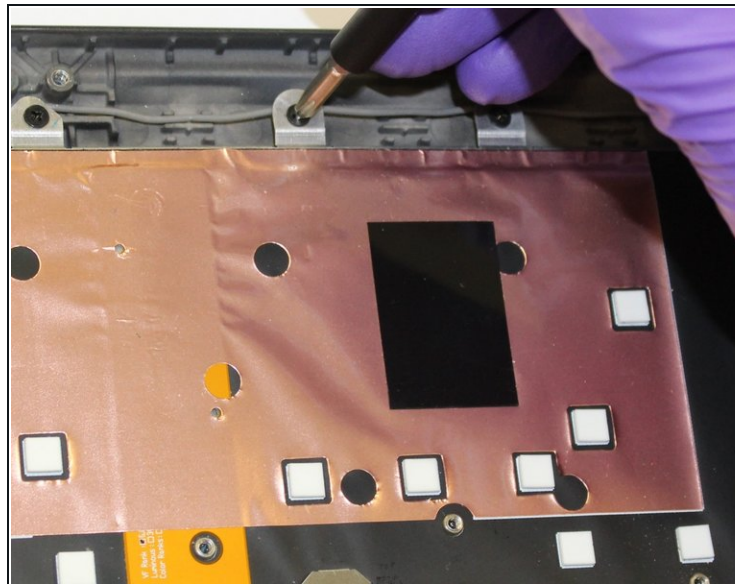
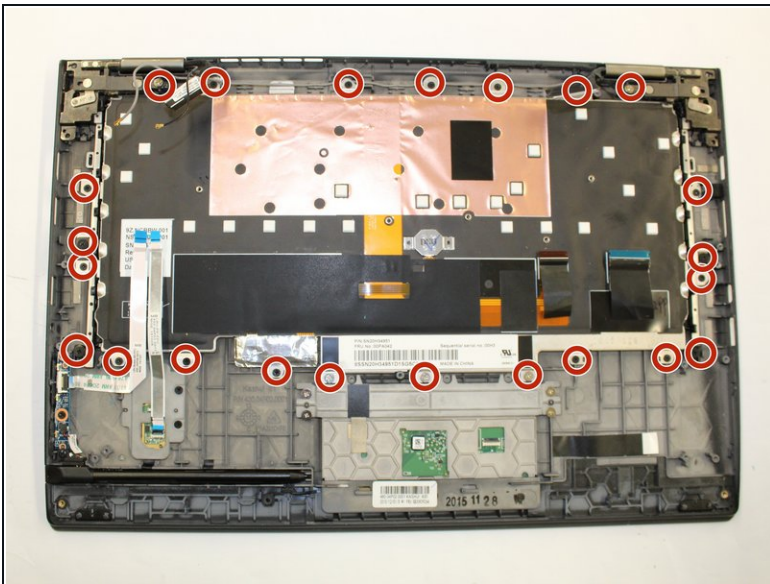


## Step 18



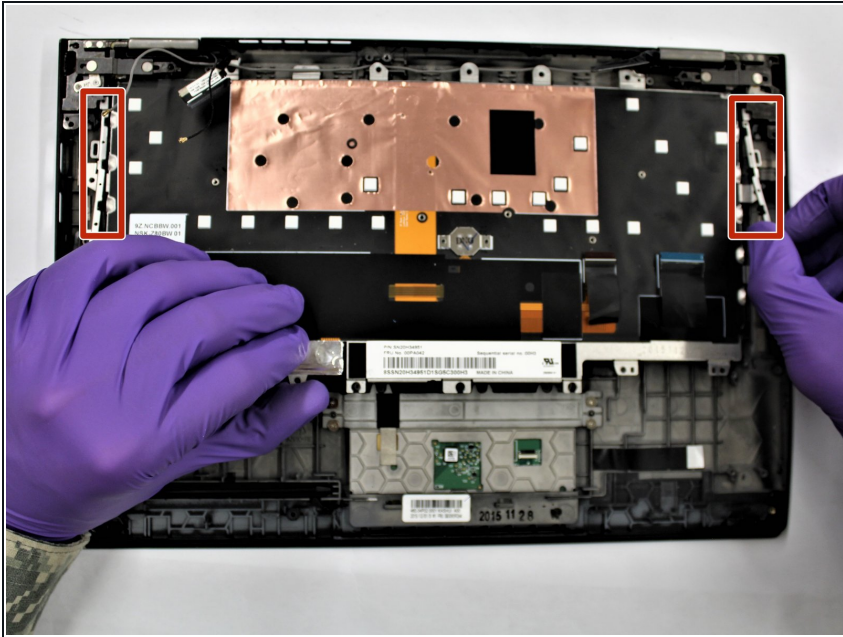
- Lift and remove the motherboard away from the computer.

## Step 19 — Keyboard



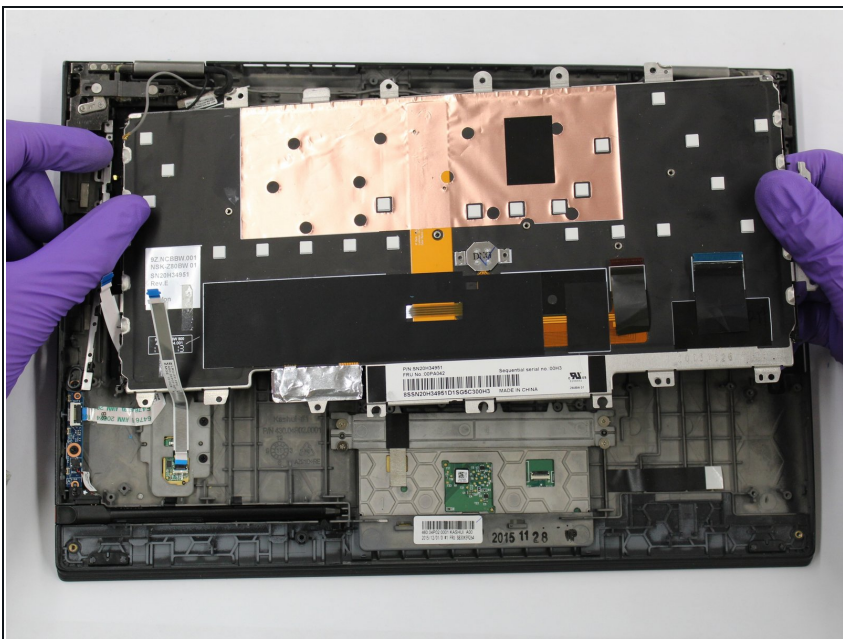
- Using the Phillips #1 screwdriver, remove 23 (twenty three) 4.5mm screws.

## Step 20



- Using the iFixit opening tool, lift the metal frame away from the keyboard.

## Step 21



- Lift and remove the keyboard away from the computer.

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