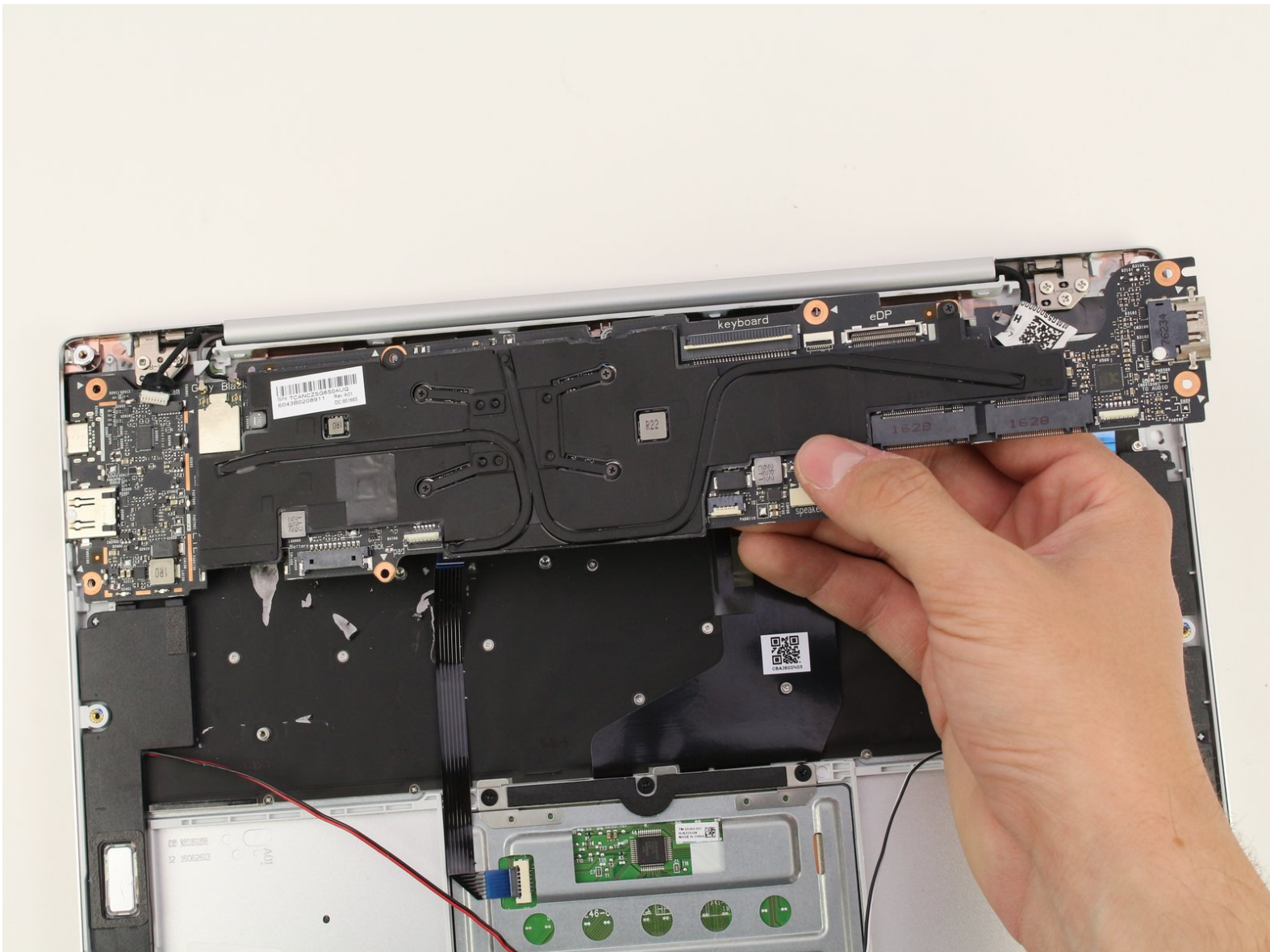




# Xiaomi Air 12 Motherboard Replacement

How to replace a Xiaomi Air 12 motherboard.

Written By: Hannah Kwan



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# INTRODUCTION

Use this guide to replace your Xiaomi Air 12 Motherboard.



## TOOLS:

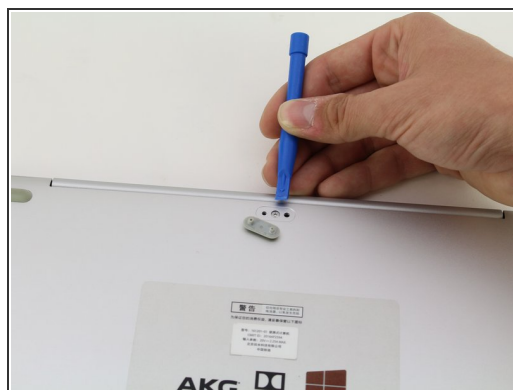
- [JIS #00 Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [T5 Torx Screwdriver](#) (1)
-

## Step 1 — Rear Casing



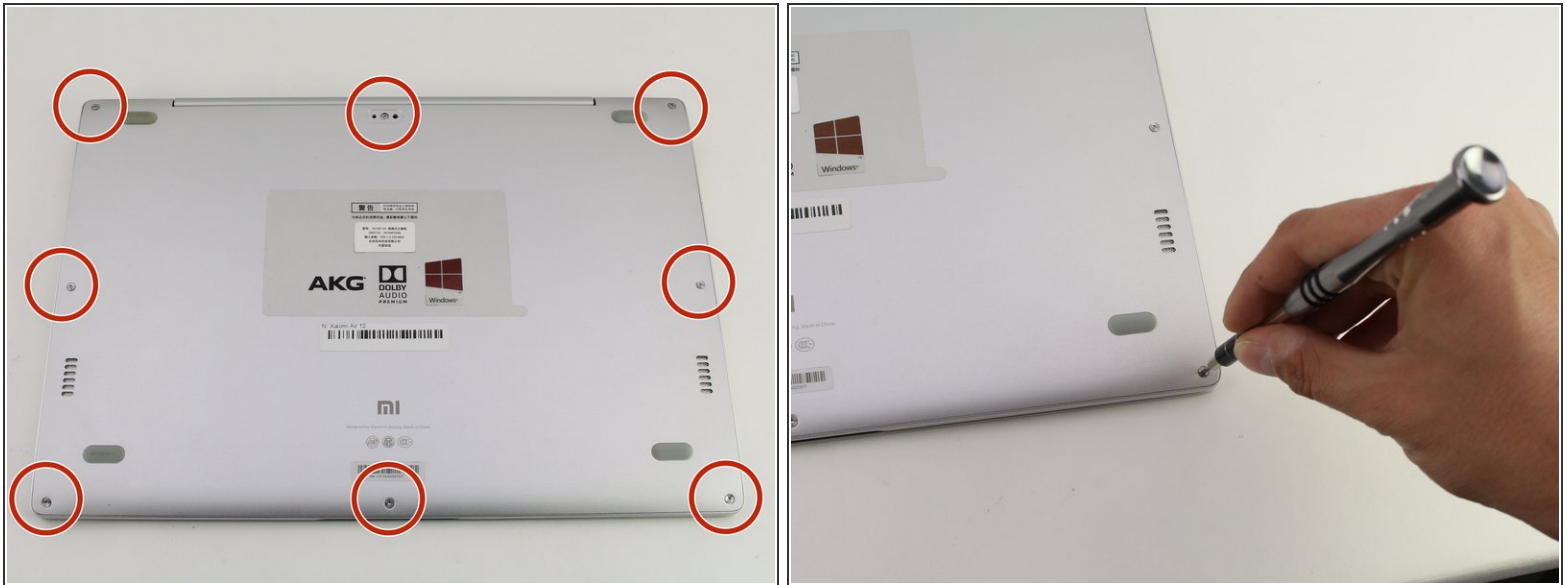
- Orient the computer so the Xiaomi logo is at the bottom of the device.

## Step 2



- Insert the plastic opening tool underneath the top-middle rubber covering and lift upwards to reveal the hidden screw.

### Step 3



- Remove the eight 3 mm screws using the Torx T5 driver by inserting the screwdriver into each screw and rotating counterclockwise.

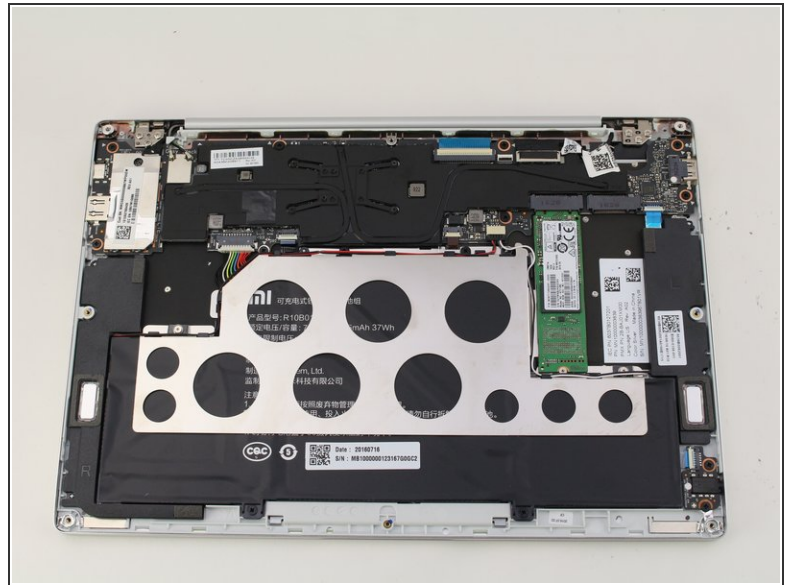
### Step 4



- Insert the plastic opening tool into each side of the computer and push the tool downwards to pop open the back cover.
- ⓘ You will hear popping noises as you remove the cover.

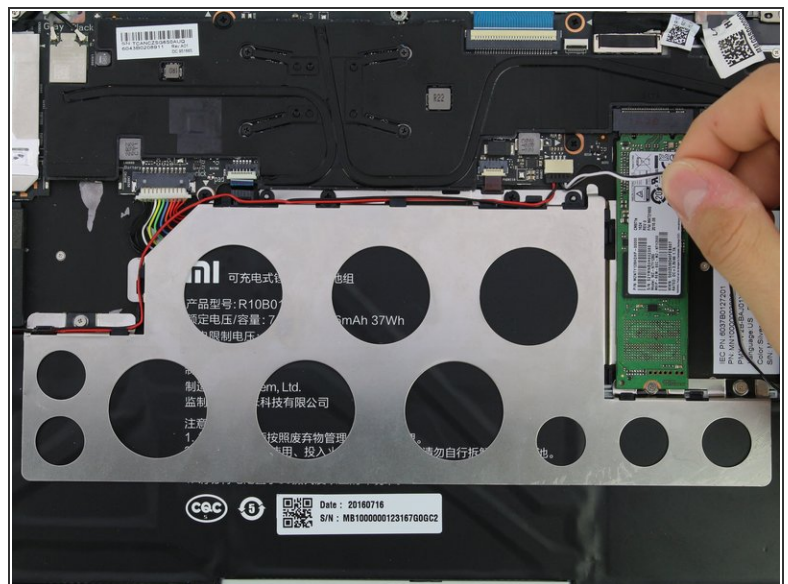
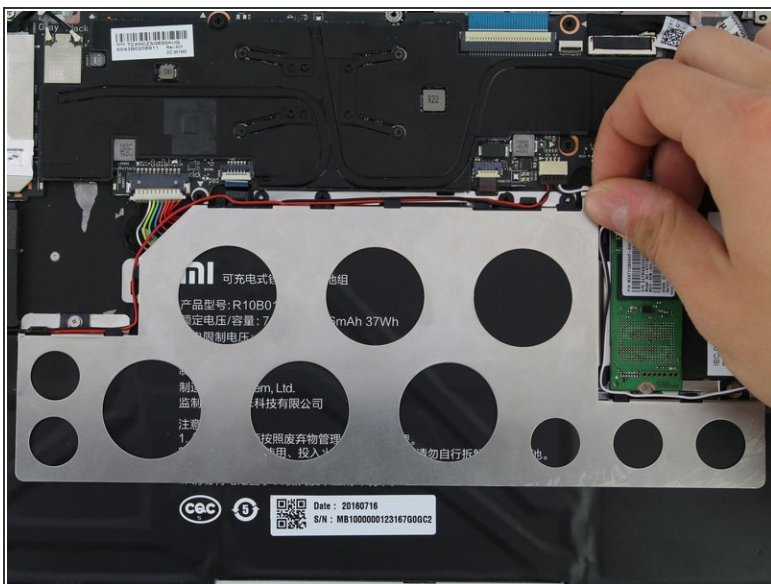


## Step 5



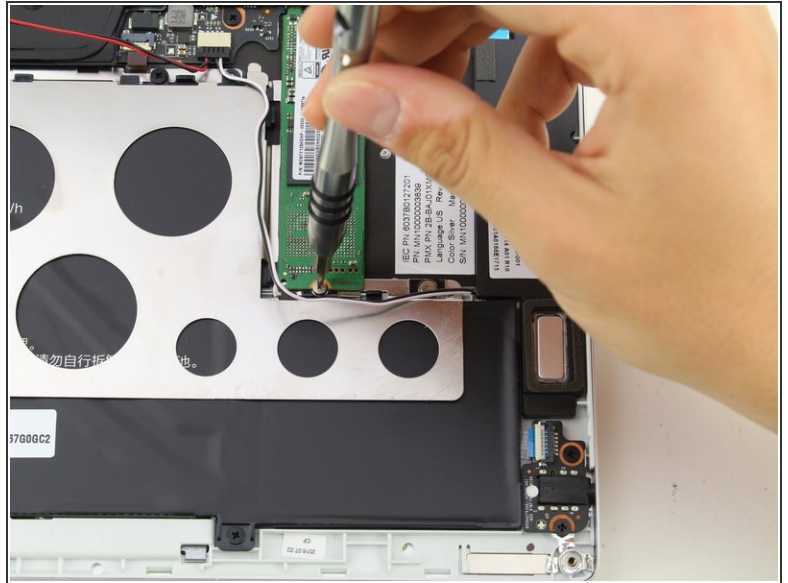
- Remove the back of the laptop by gently lifting the casing upwards.

## Step 6 — SSD



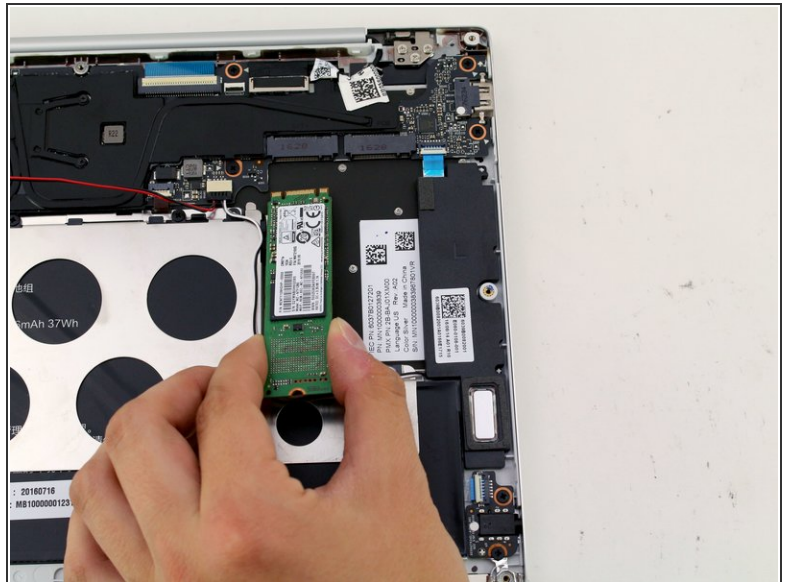
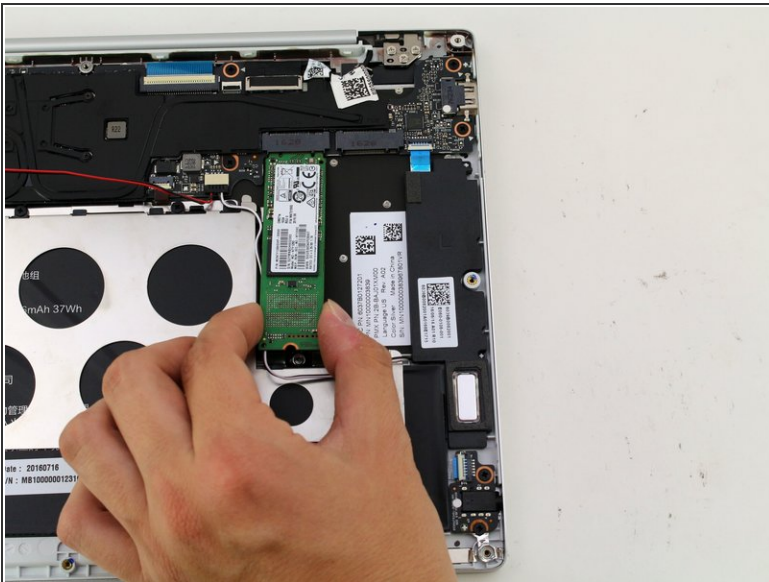
- Detach the white and black speaker wires by pulling them from the small black tabs along the perimeter of the metal bracket.

## Step 7



- Remove the 1.5mm screw using the JIS #00 screwdriver.

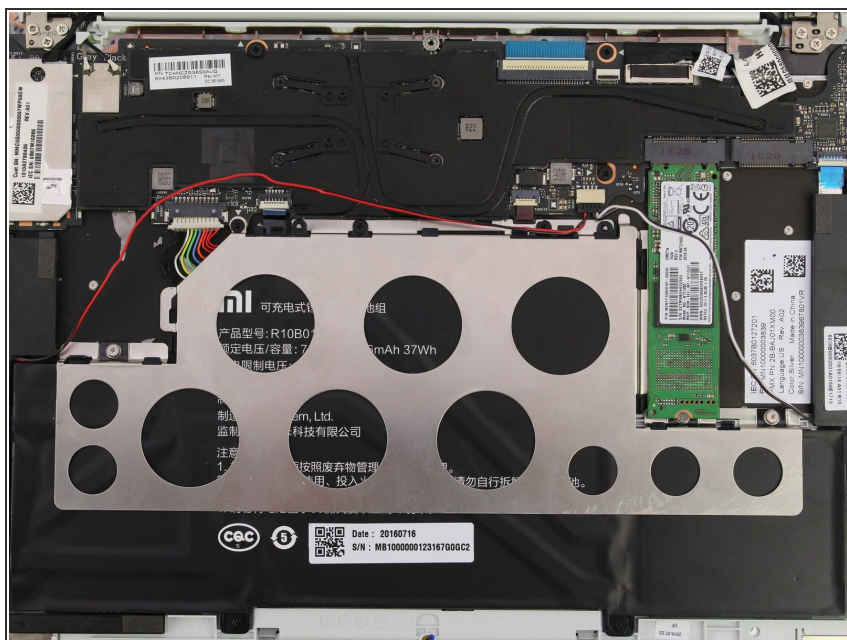
## Step 8



- Lift the SSD up from the device and gently pull the SSD from the laptop.

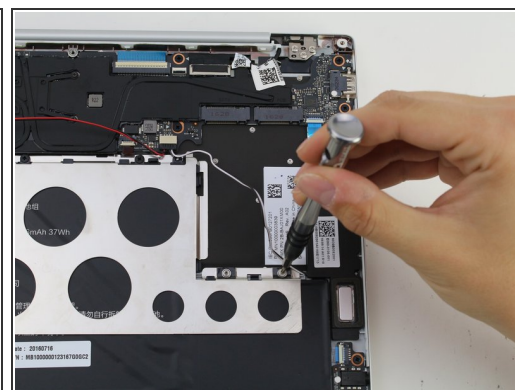
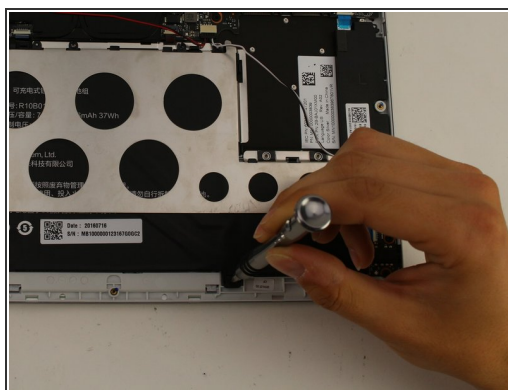
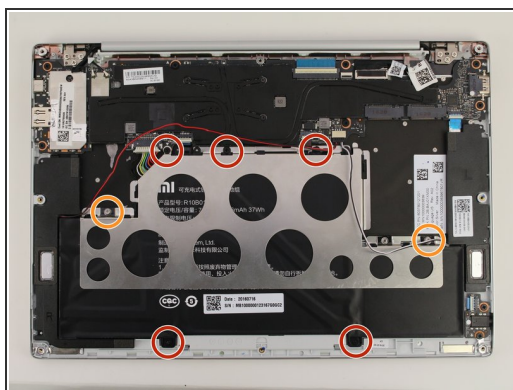


## Step 9 — Battery



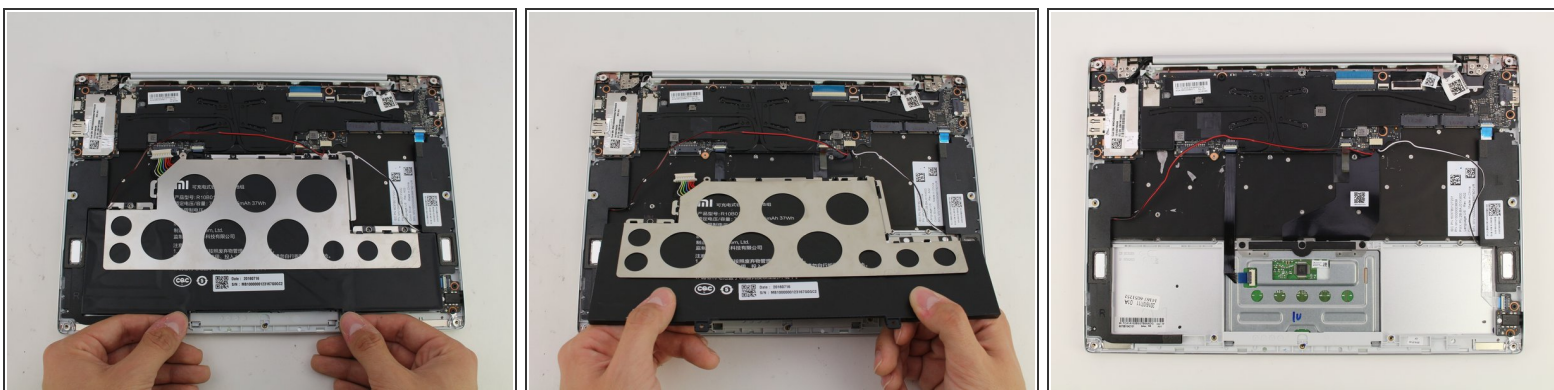
- Detach the red wire from the tabs on the perimeter of the metal bracket.

## Step 10



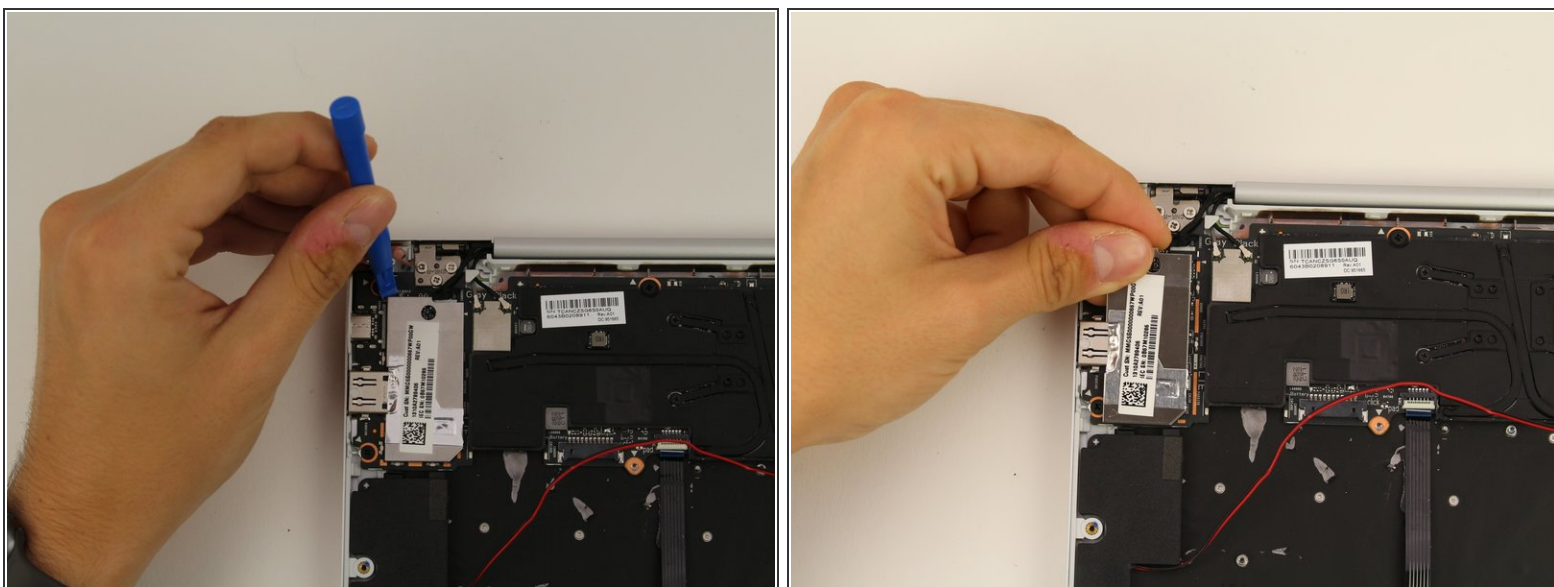
- Use a PH1 screwdriver to remove the five 2mm black screws.
- Remove two silver 1mm JIS #00 screws.
- ⓘ There will be clear plastic spacers that come off with the silver screws.

## Step 11



- Lift the battery up and pull out from the device.
- ⓘ The metal bracket will come out with the battery.

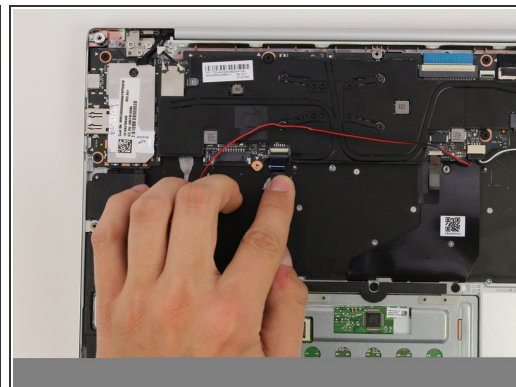
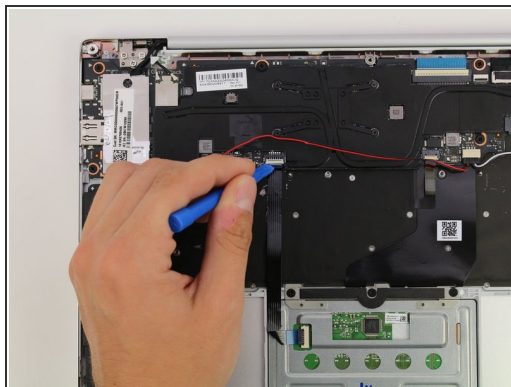
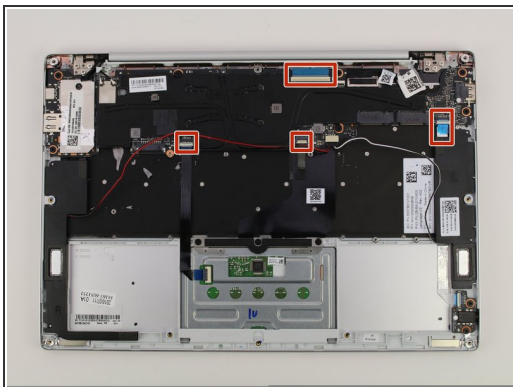
## Step 12 — Motherboard



- Lift the silver connection cover next to the USB ports using the plastic opening tool and your hands.

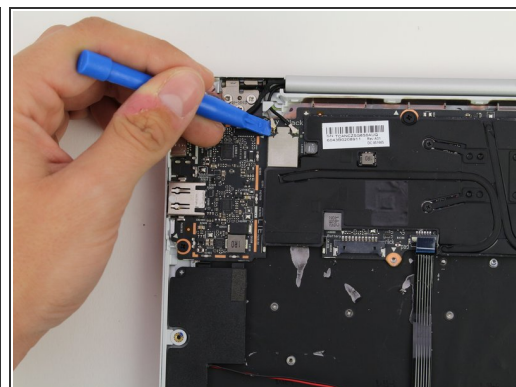
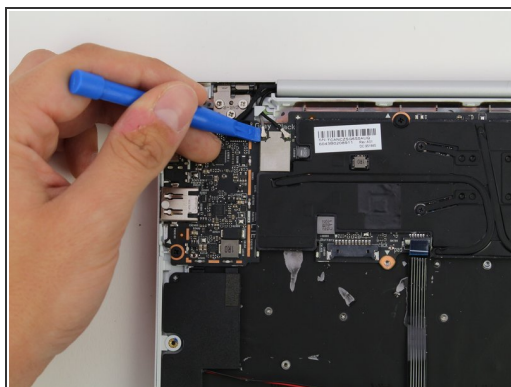
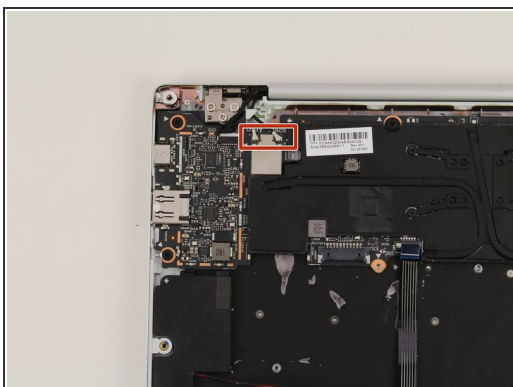


## Step 13



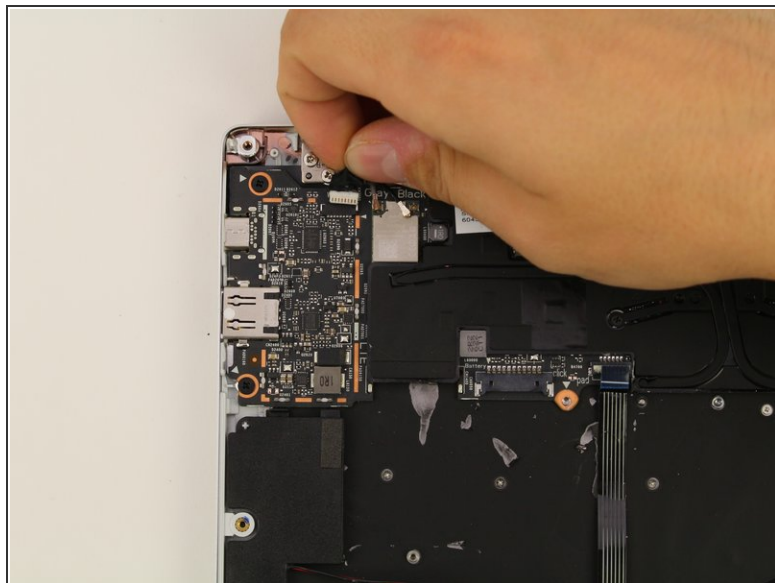
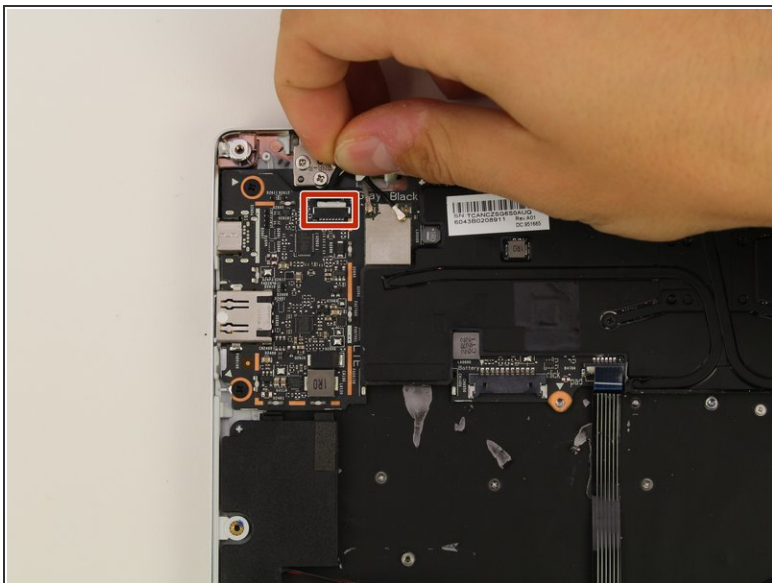
- Remove the four ribbon cables by lifting the connector up with the plastic opening tool and pulling the ribbon cable out.

## Step 14



- Disconnect the gray and black wire connectors using the plastic opening tool to lift them up.

## Step 15



- Remove the webcam connector by gently pulling the cable out by hand.

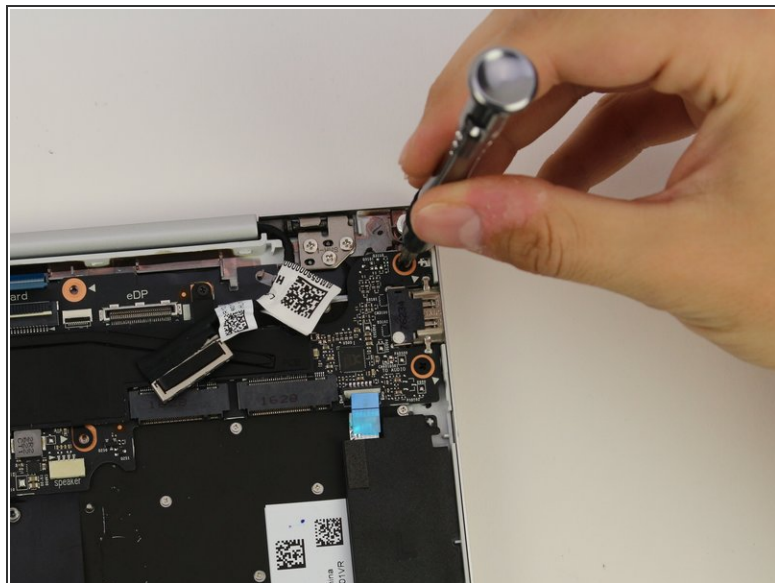
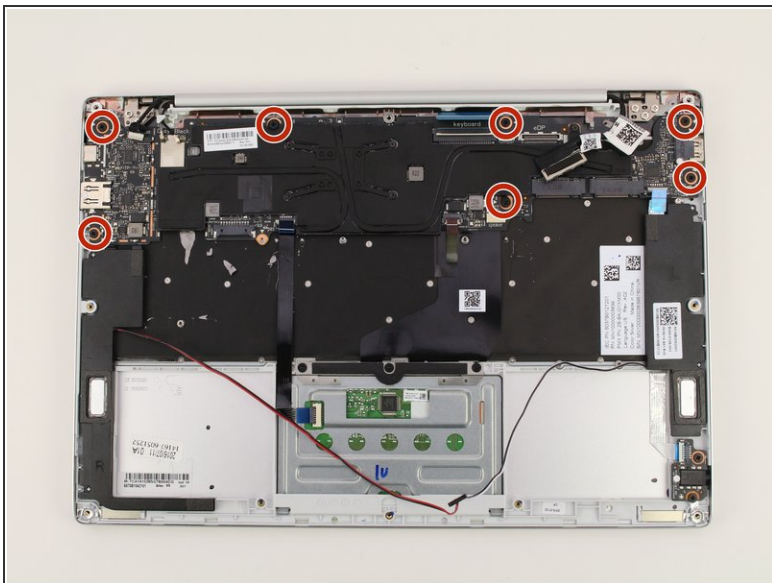
## Step 16



- Lift the video cable on the connector using the plastic opening tool to disconnect it.

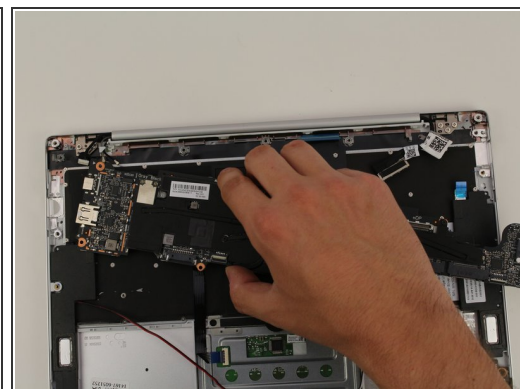
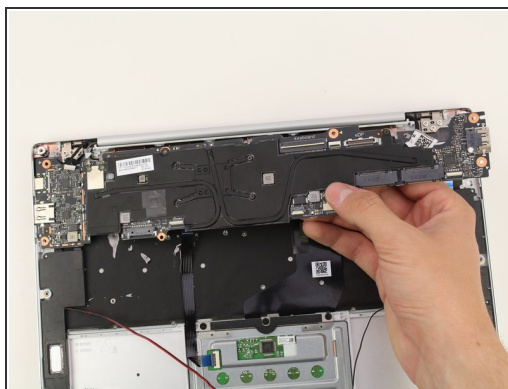
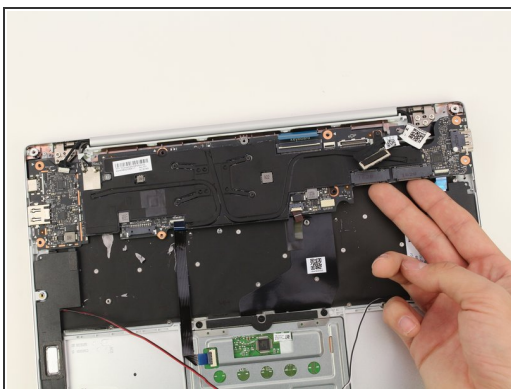


## Step 17



- Remove the seven black 2mm screws using a PH1 screwdriver.

## Step 18



- Gently lift the motherboard out by hand.

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