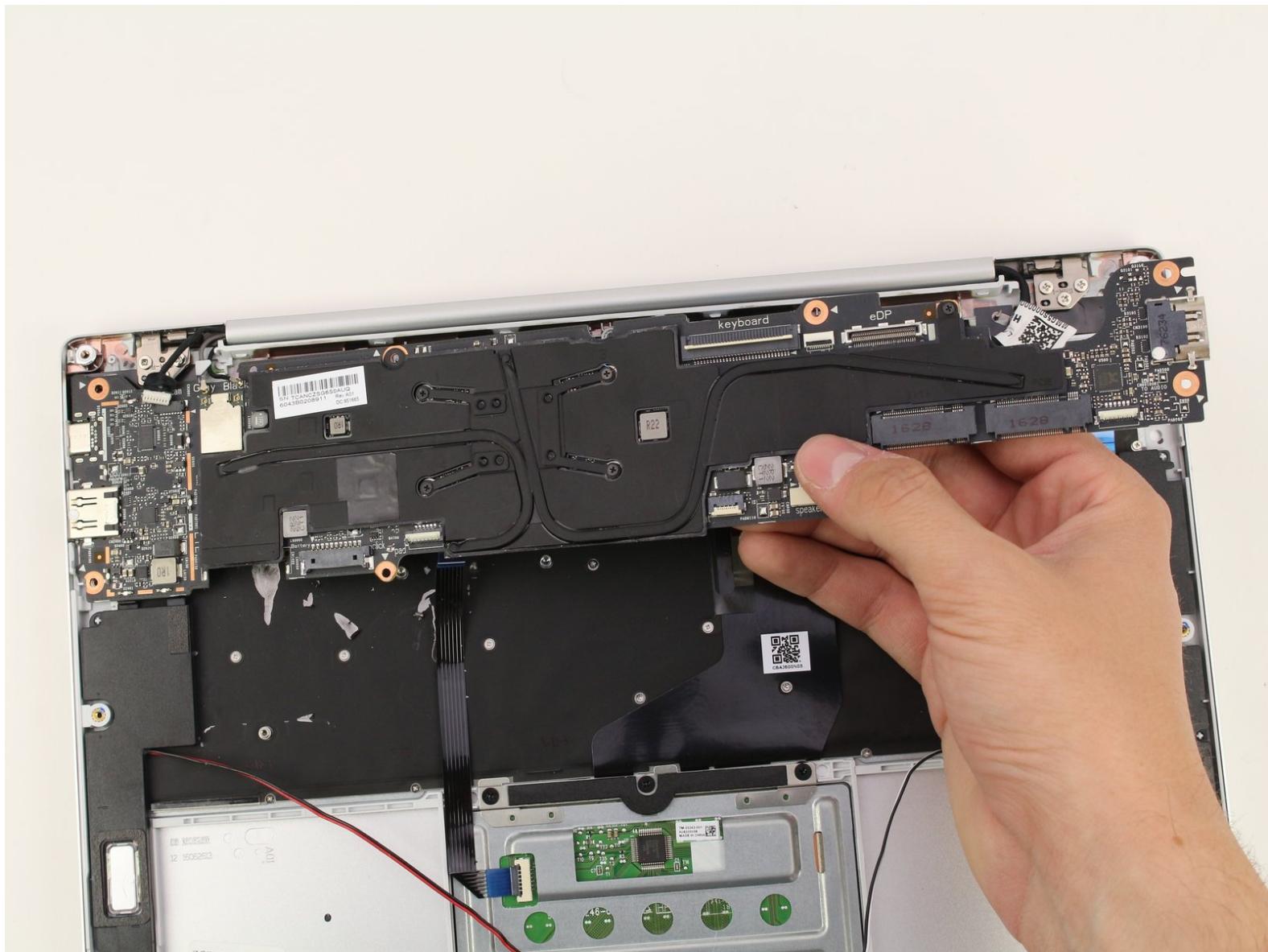




Xiaomi Air 12 Motherboard Replacement

How to replace a Xiaomi Air 12 motherboard.

Written By: Hannah Kwan



INTRODUCTION

Use this guide to replace your Xiaomi Air 12 Motherboard.

TOOLS:

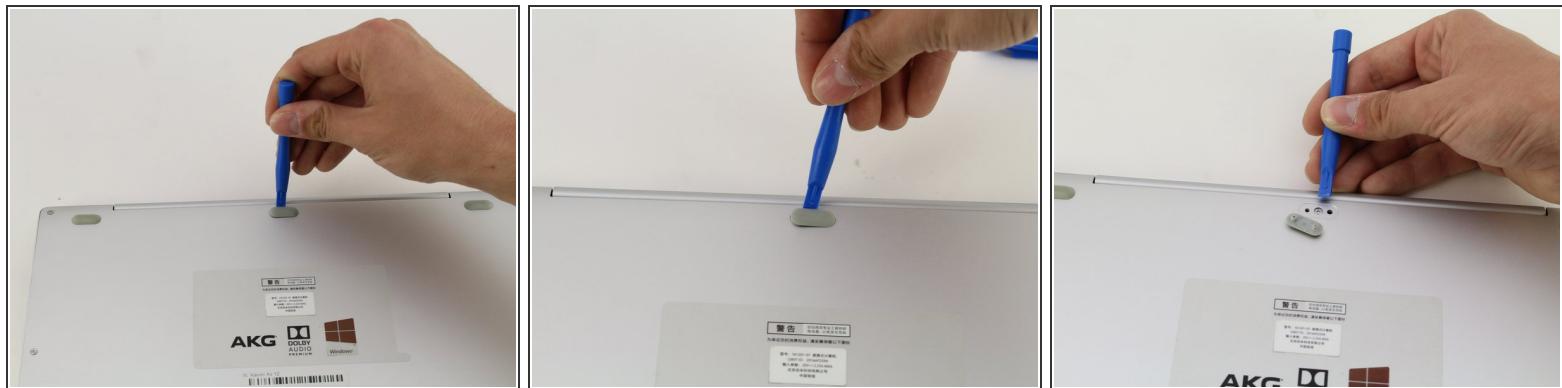
- [JIS #00 Screwdriver](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [T5 Torx Screwdriver](#) (1)

Step 1 — Rear Casing



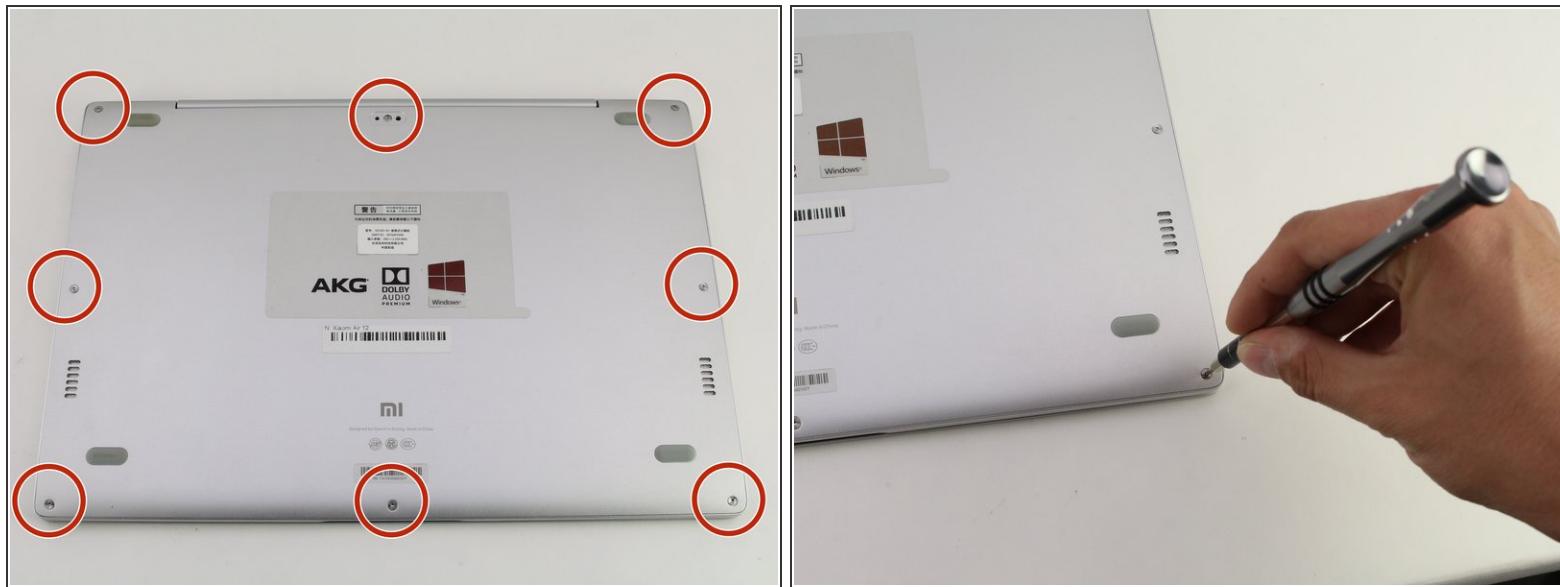
- Orient the computer so the Xiaomi logo is at the bottom of the device.

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.

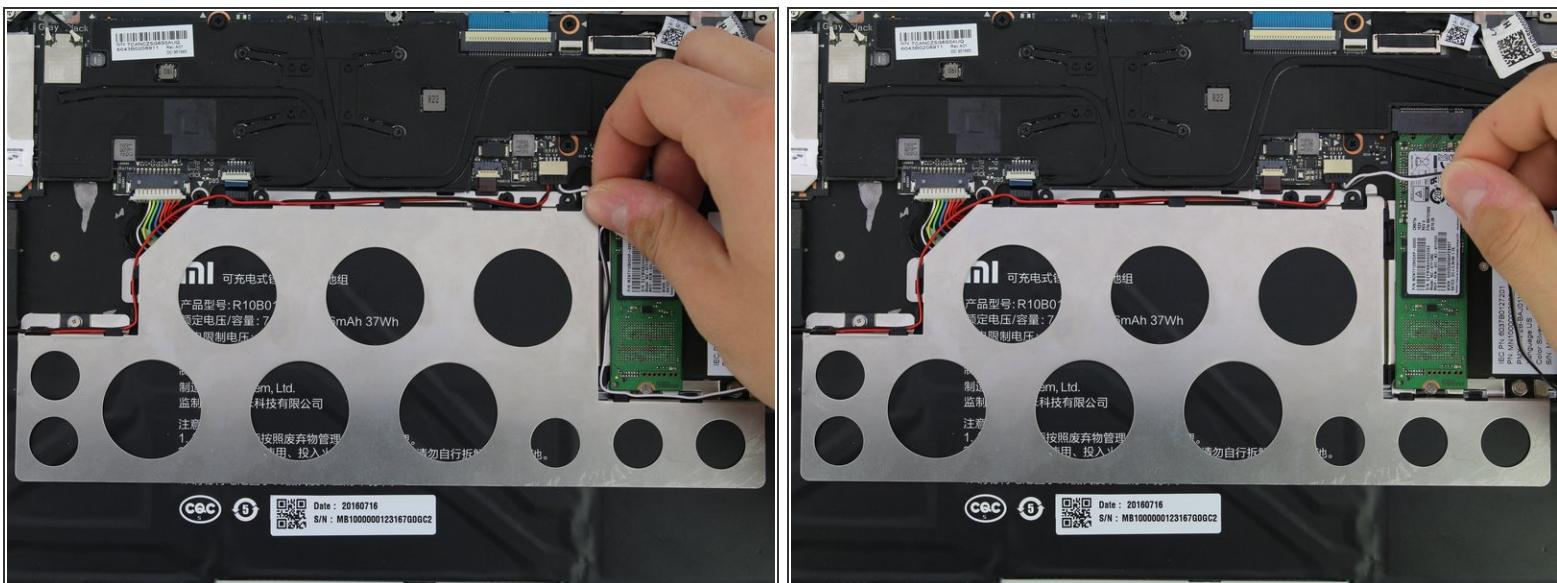
ⓘ You will hear popping noises as you remove the cover.

Step 5



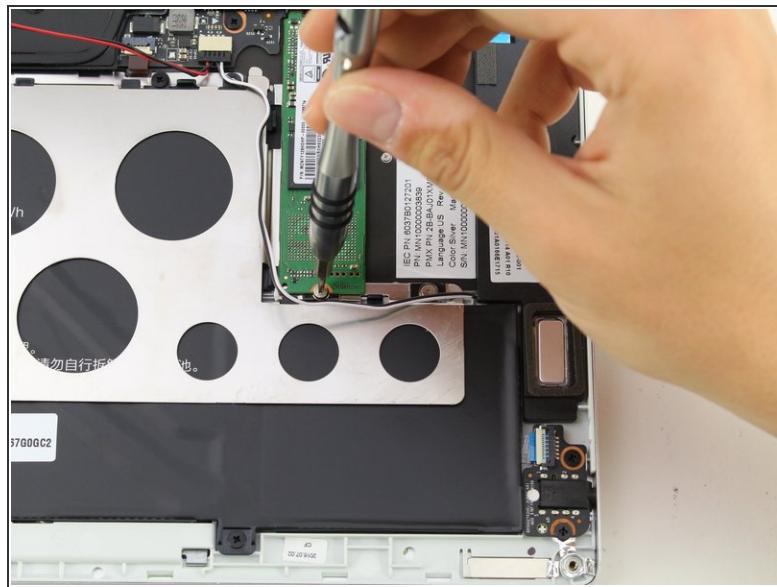
- Remove the back of the laptop by gently lifting the casing upwards.

Step 6 — SSD



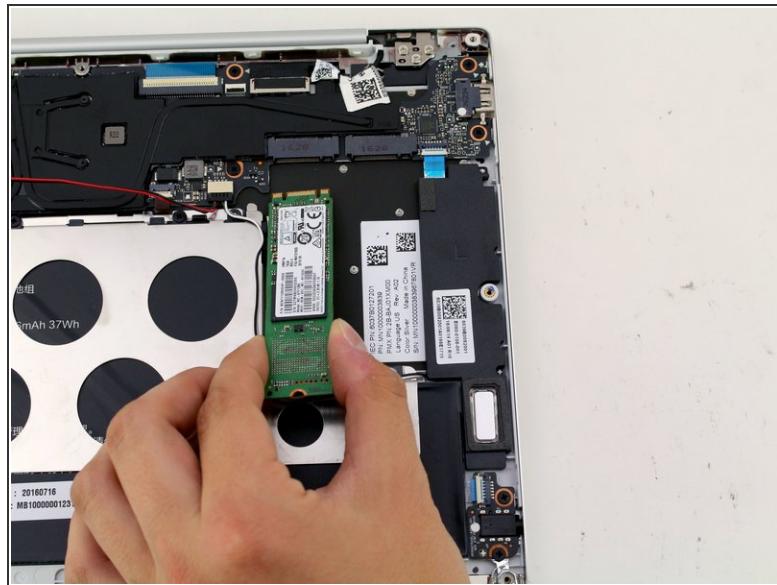
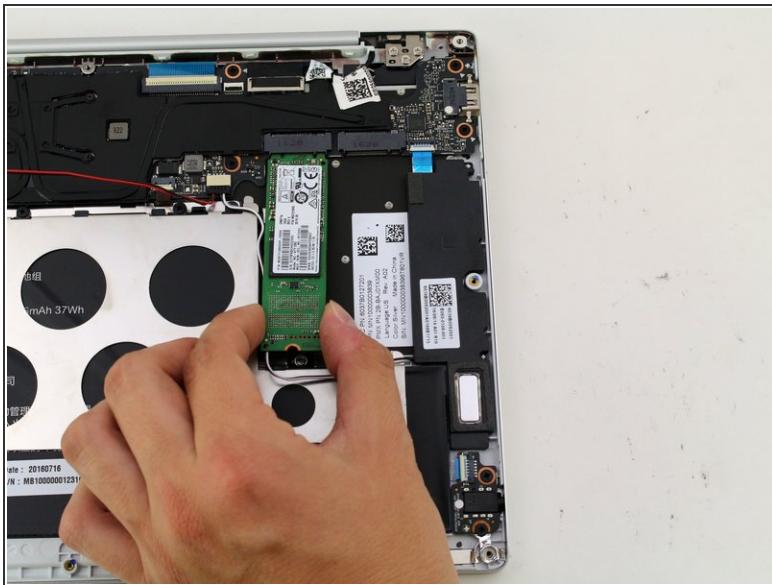
- Detach the white and black speaker wires by pulling them from the small black tabs along the perimeter of the metal bracket.

Step 7



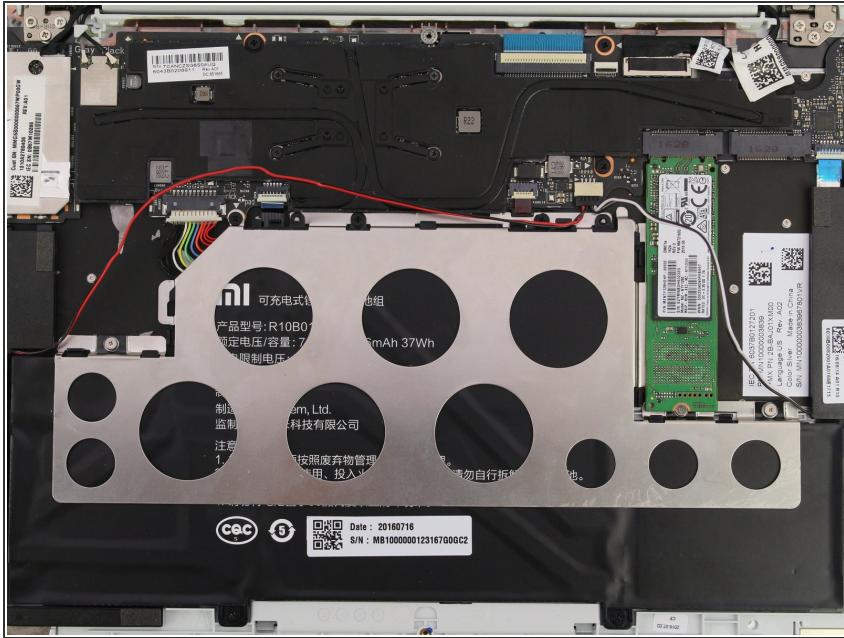
- Remove the 1.5mm screw using the JIS #00 screwdriver.

Step 8



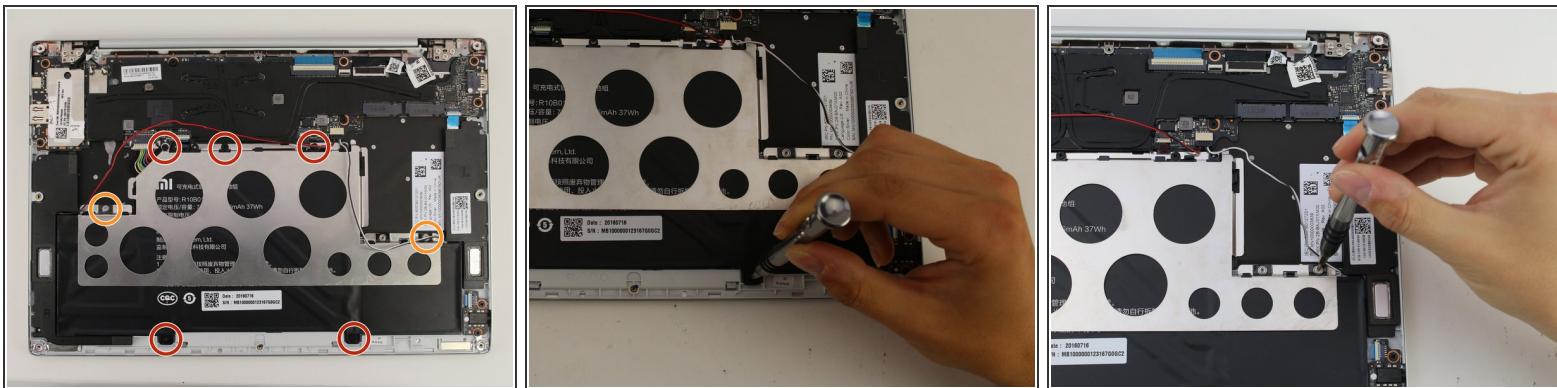
- Lift the SSD up from the device and gently pull the SSD from the laptop.

Step 9 — Battery



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

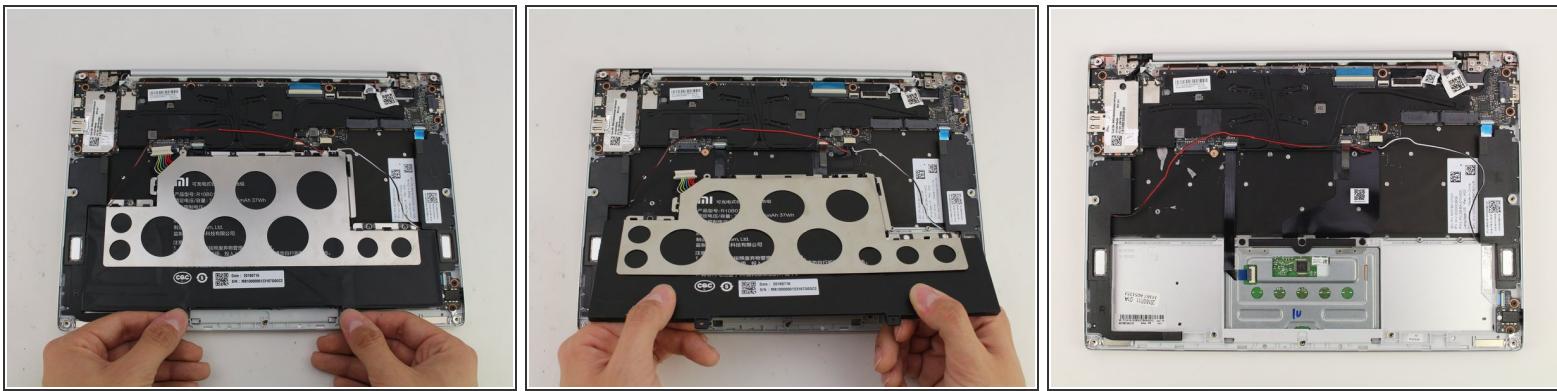
Step 10



- 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.

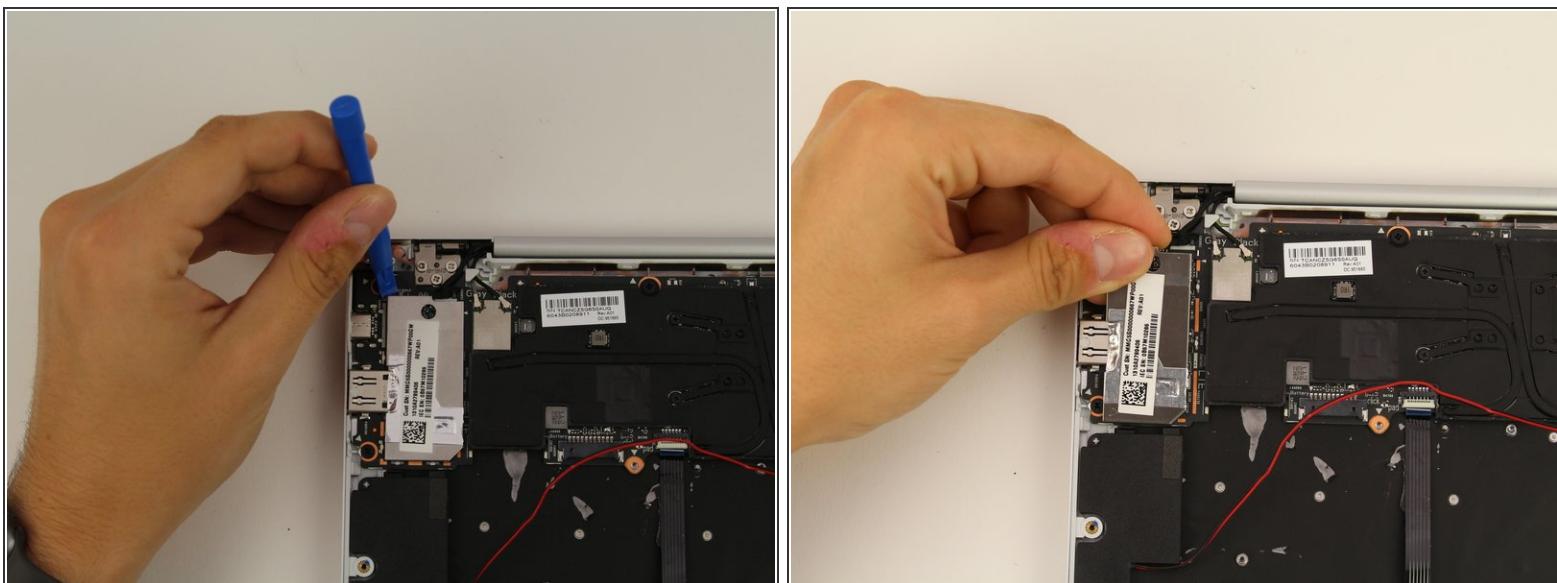
Step 11



- Lift the battery up and pull out from the device.

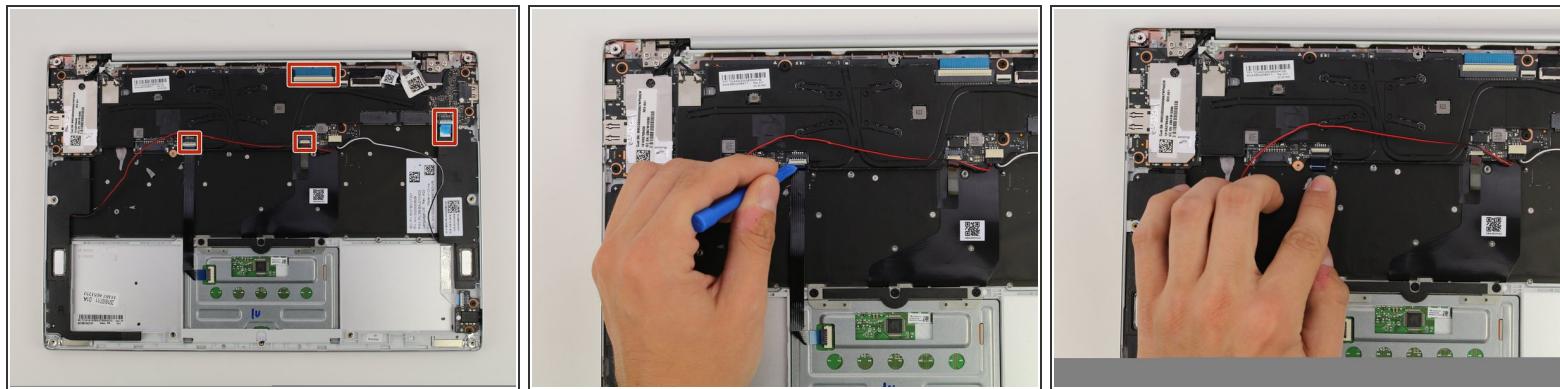
(i) The metal bracket will come out with the battery.

Step 12 — Motherboard



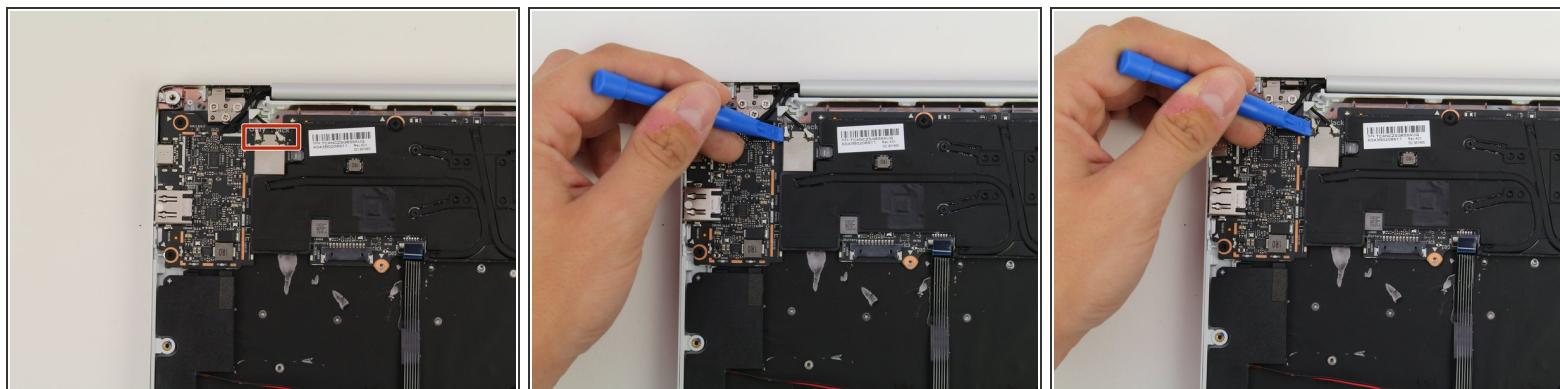
- Lift the silver connection cover next to the USB ports using the plastic opening tool and your hands.

Step 13



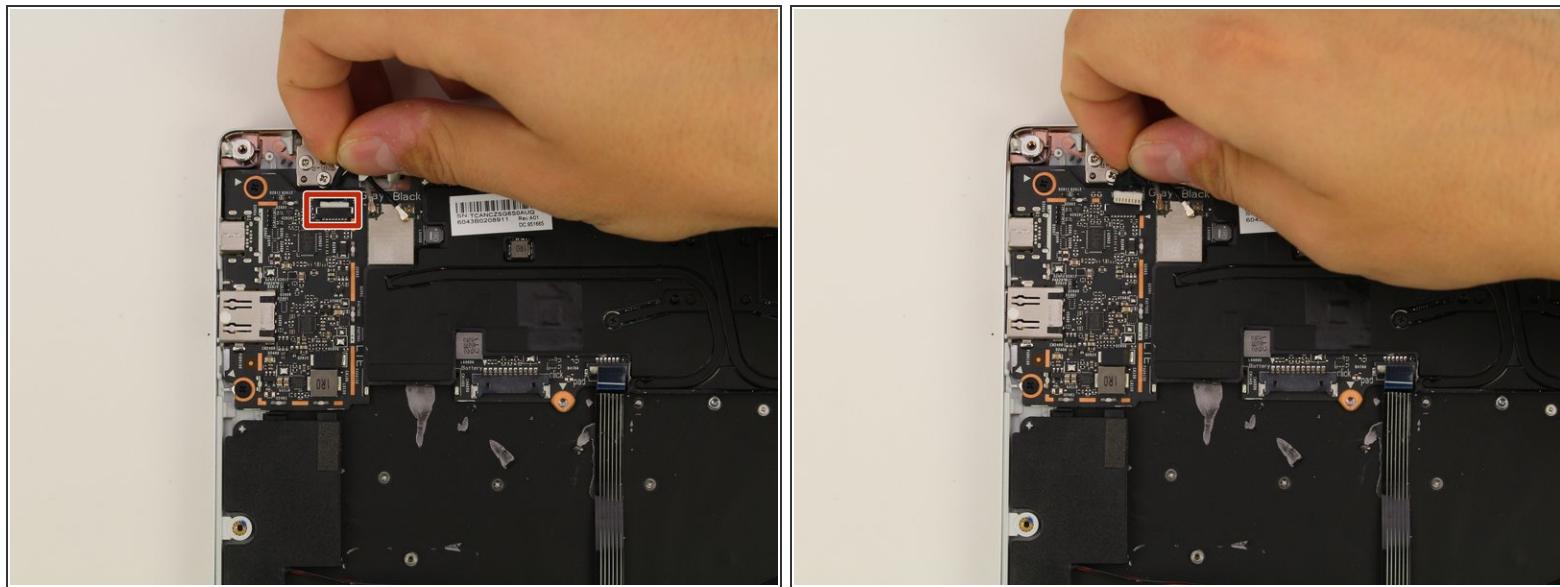
- Remove the four ribbon cables by lifting the connector up with the plastic opening tool and pulling the ribbon cable out.

Step 14



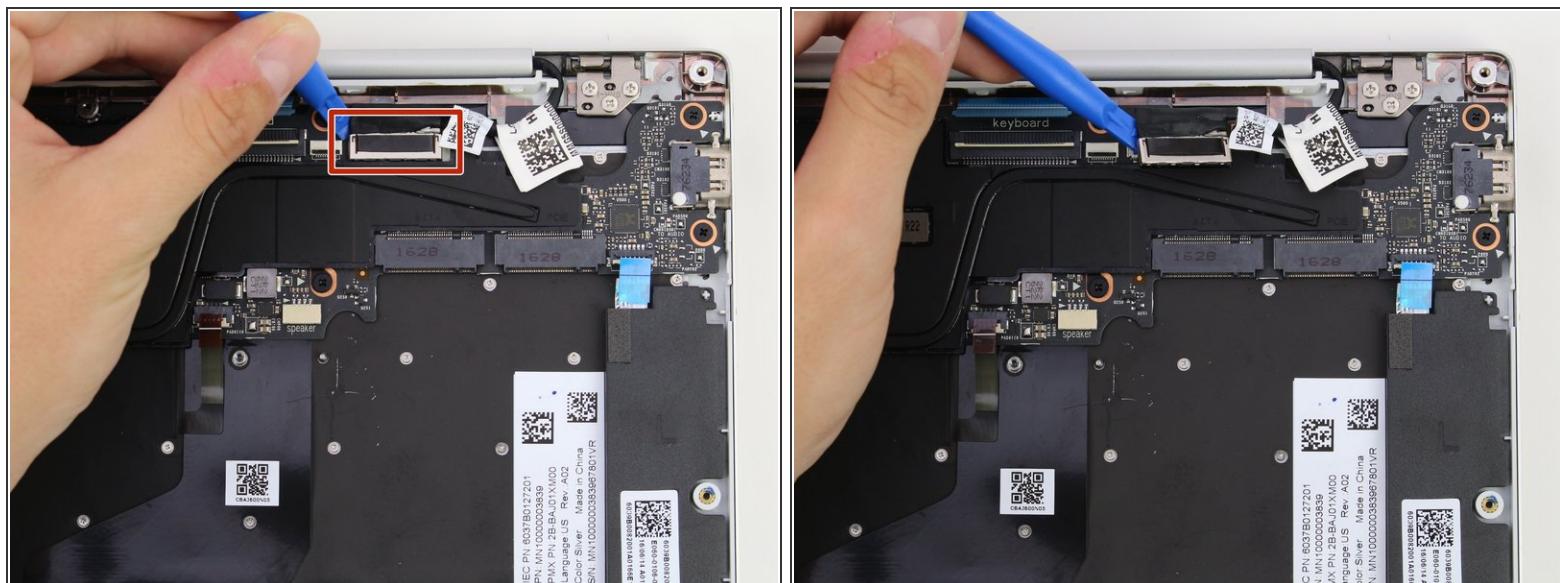
- Disconnect the gray and black wire connectors using the plastic opening tool to lift them up.

Step 15



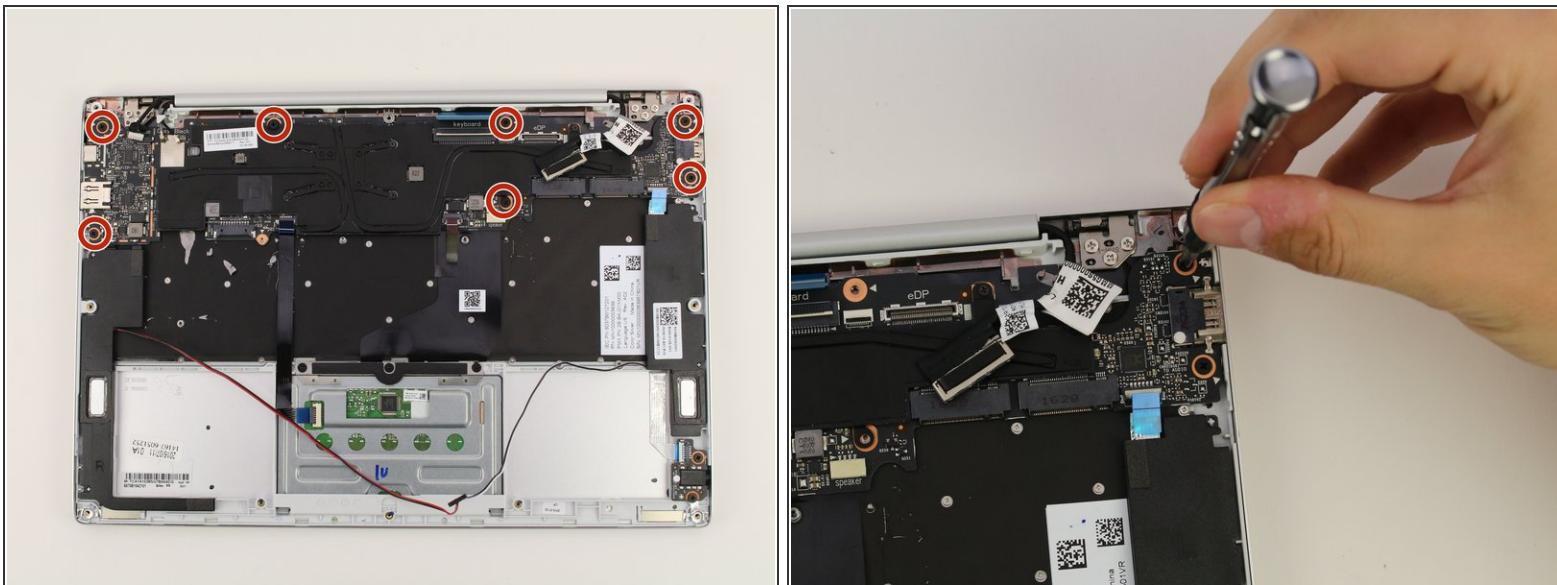
- Remove the webcam connector by gently pulling the cable out by hand.

Step 16



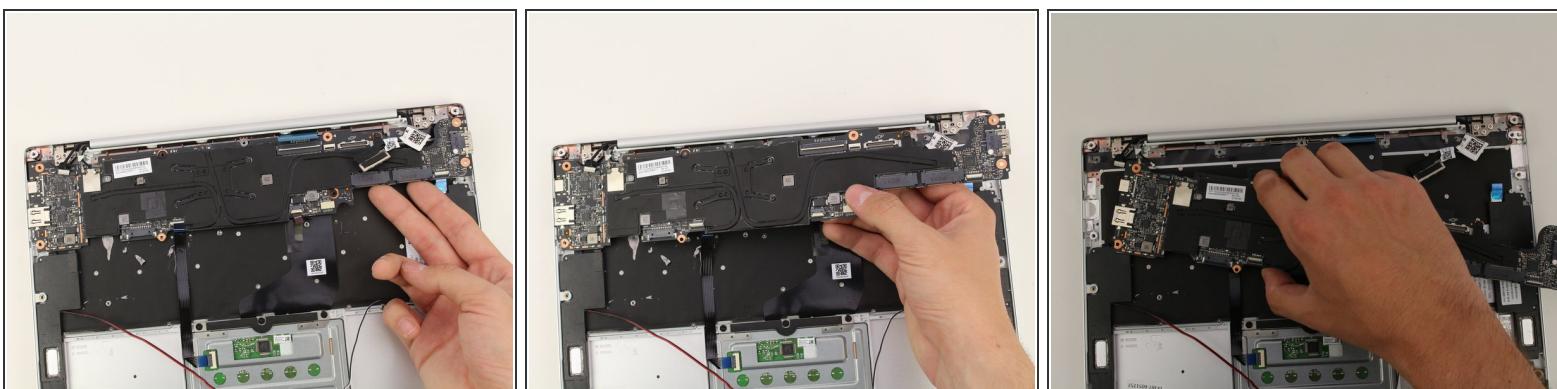
- Lift the video cable on the connector using the plastic opening tool to disconnect it.

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.