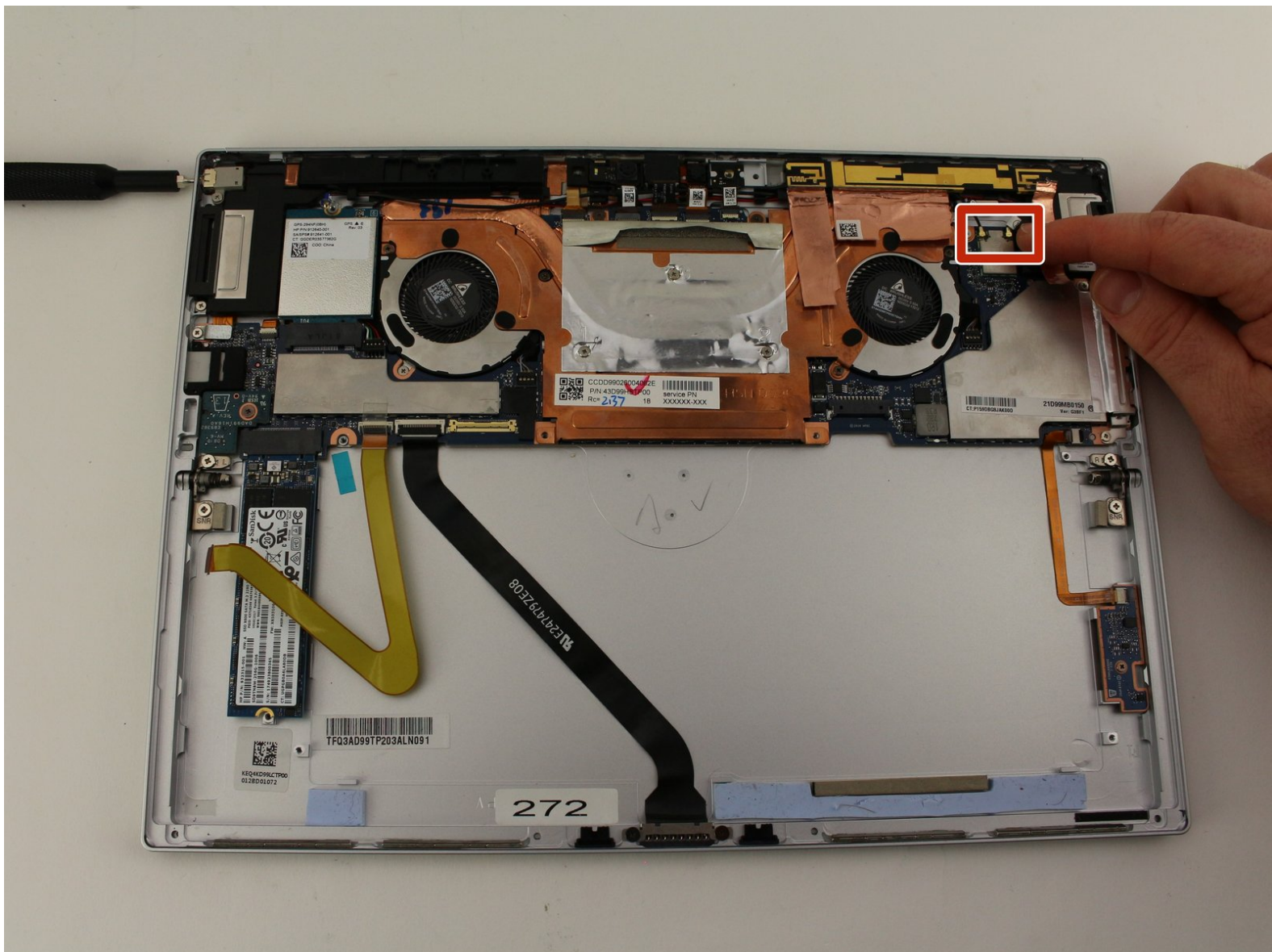




HP Elite X2 1013 G3 Fan Replacement

Use this guide to replace the fan in your HP Elite X2 1013 G3.

Written By: Hunter Baird-Wise



INTRODUCTION

When your computer gets hot, the fans run at higher speeds to prevent the device from overheating. Oftentimes, the fans in these devices will stop working. This guide will show you how to replace the fans in your device.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [Suction Handle](#) (1)
-

Step 1 — Battery



- ⚠ Turn off your device before completing any subsequent steps.
- Flip the device over so the base is facing the ceiling.


Step 2



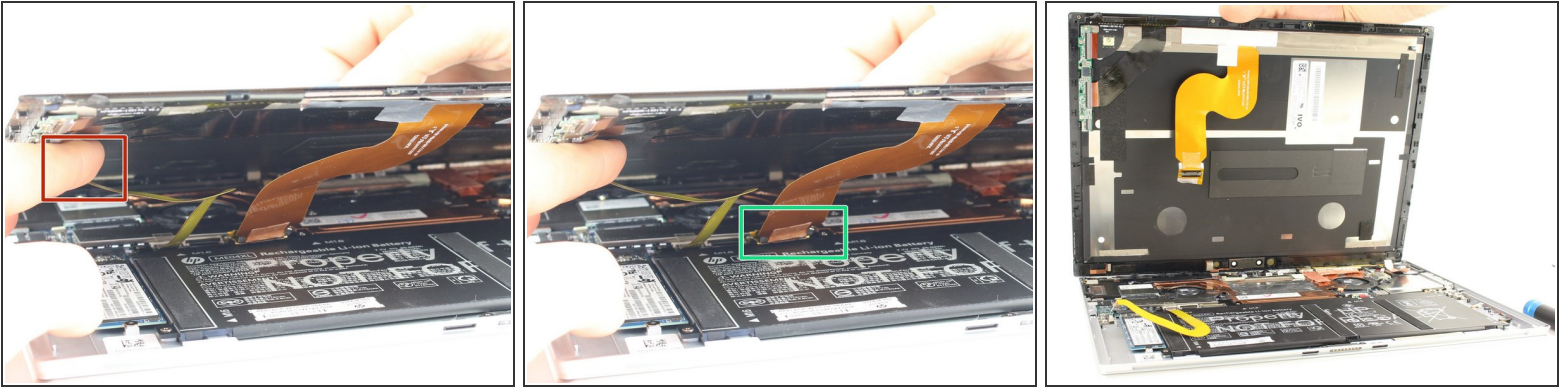
- Lift up the stand as far as it will go, leaving the device face down as pictured.
- Use a T5 Torx Screwdriver to remove the 4 indicated [2 mm] screws.

Step 3



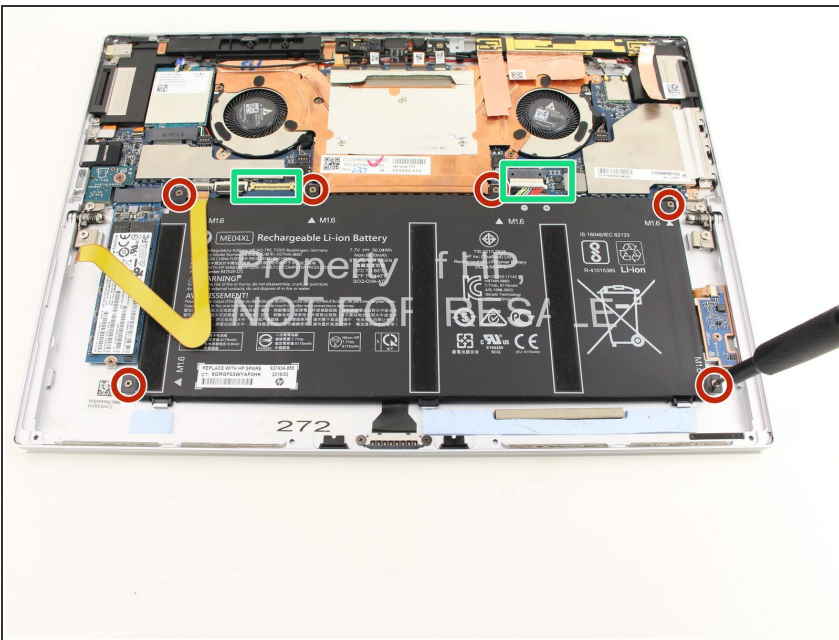
- Flip the device over so the screen is facing the ceiling.
 - Place the suction handle in the center of the screen and slowly lift off the screen until it is at a 30 degree angle, starting by gently prying up the bottom.
-  **DO NOT** pull the screen beyond a 30 degree angles. Additional internal components must be disconnected first.

Step 4



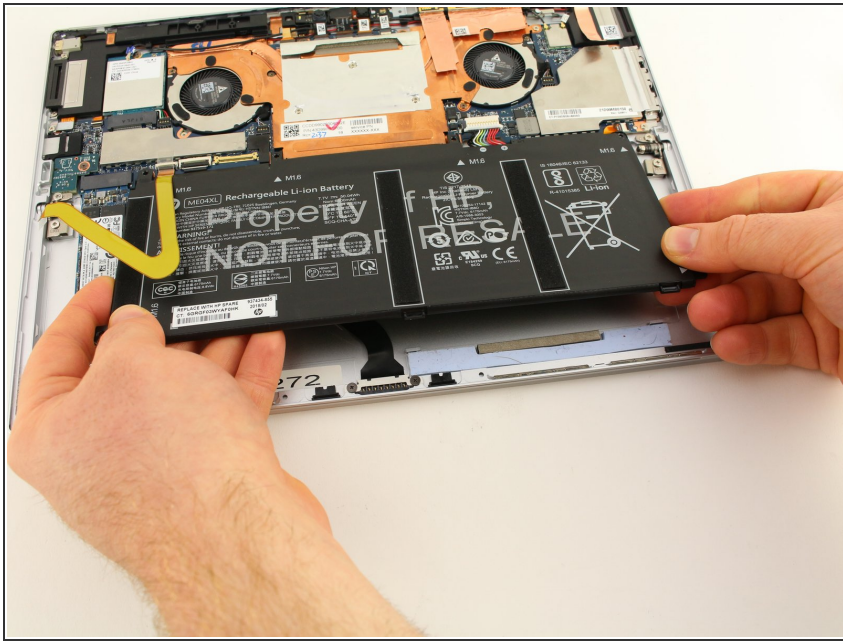
- With the screen lifted at a 30 degree angle, gently disconnect the yellow ribbon cable at the end connected to the screen.
- Gently disconnect the orange ribbon cable at the end connected to the bottom plate.
- Lift the screen off and set it aside.

Step 5



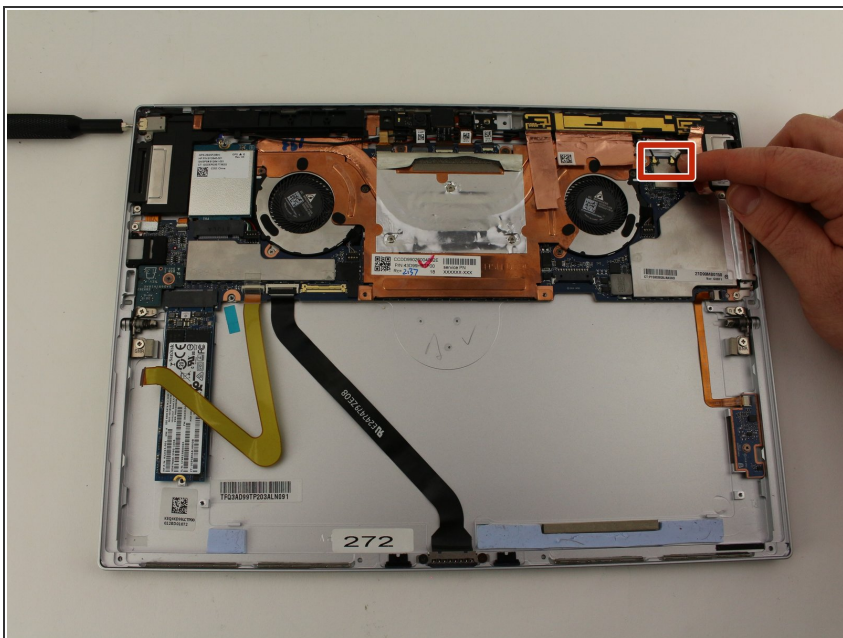
- Use the Phillips #00 Screwdriver to remove the six 2 mm screws.
- Gently disconnect the two connectors.

Step 6



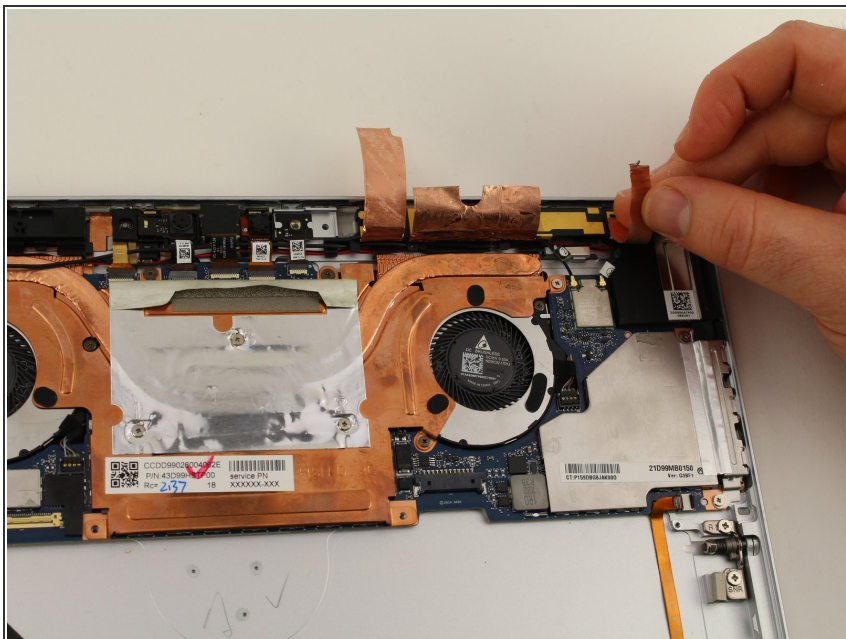
- Lift the battery out of the housing.

Step 7 — Fan



- Undo the two small connectors by pulling gently.

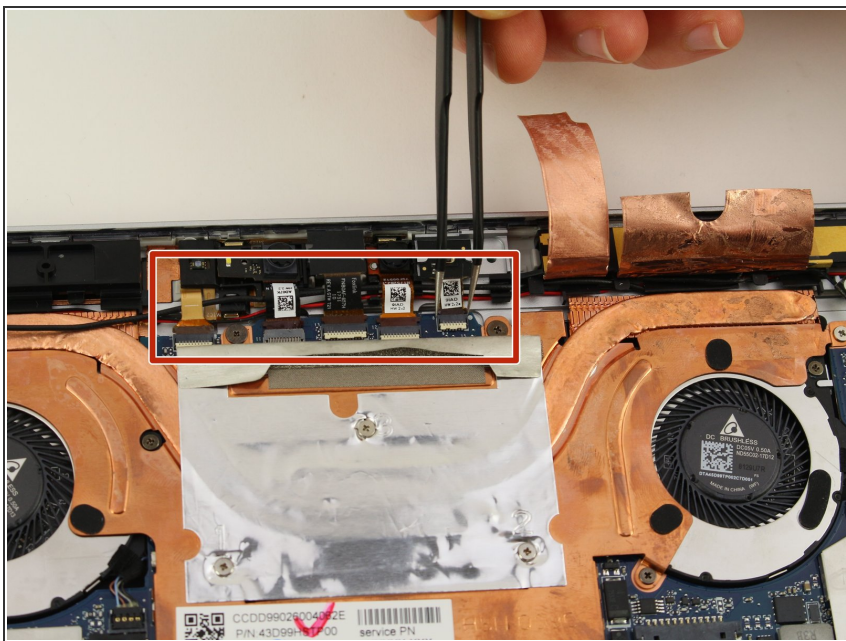
Step 8



- Gently peel up three copper pieces of tape as shown.

⚠ Do not pull off completely.

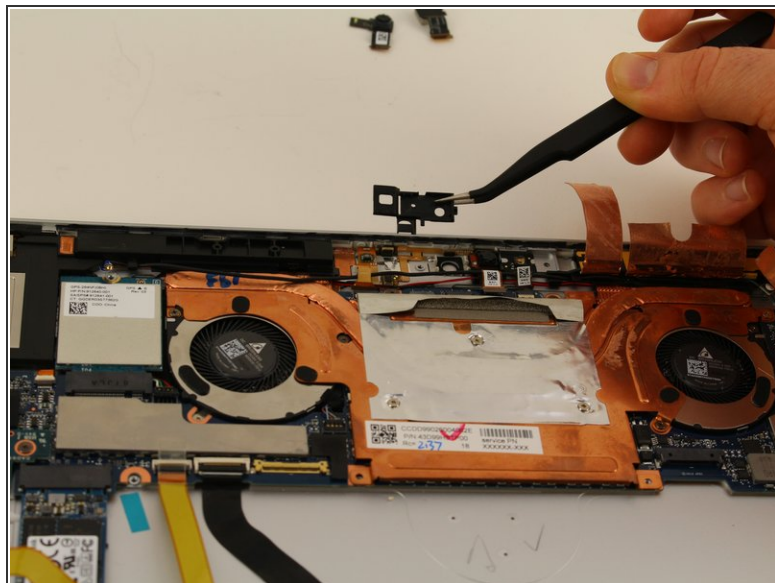
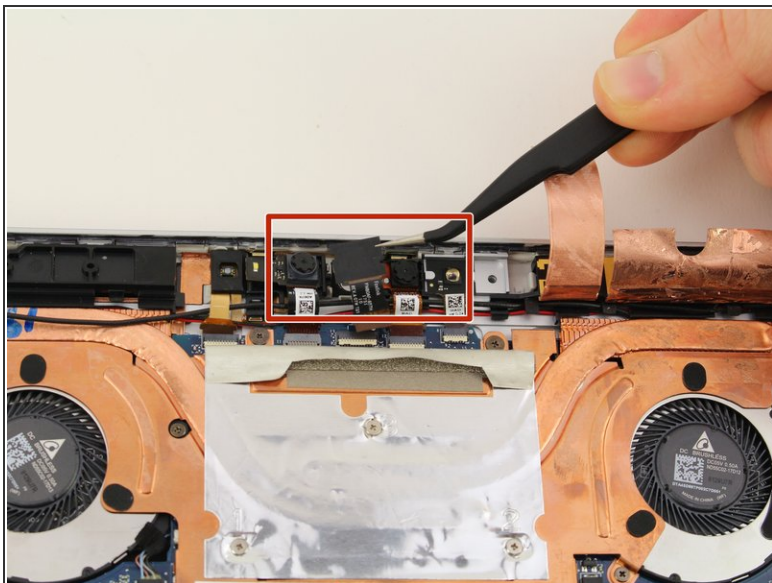
Step 9



- Use tweezers or your fingers to carefully undo the indicated five connectors.

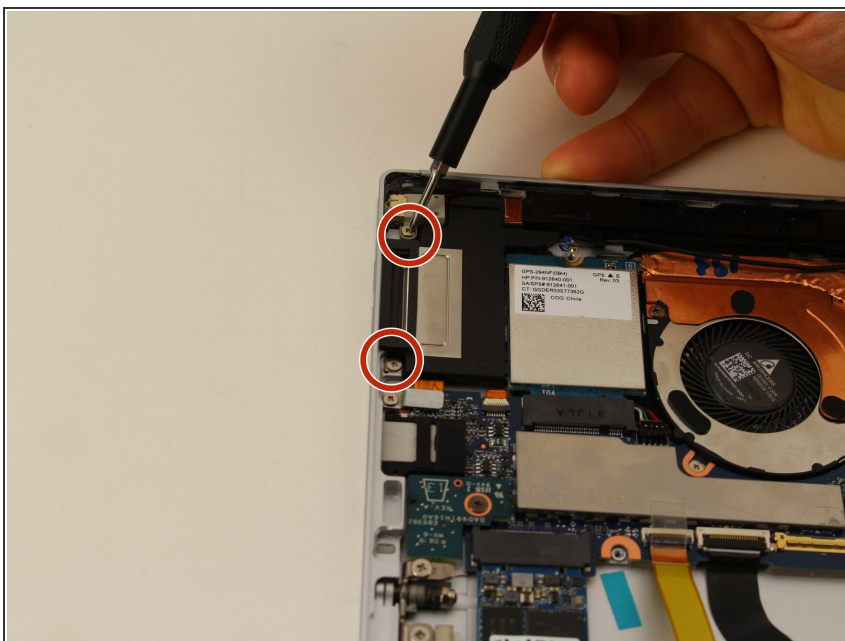
ⓘ There will be a number of loose components after disconnecting the five connectors. If any are completely detached, set them aside.

Step 10



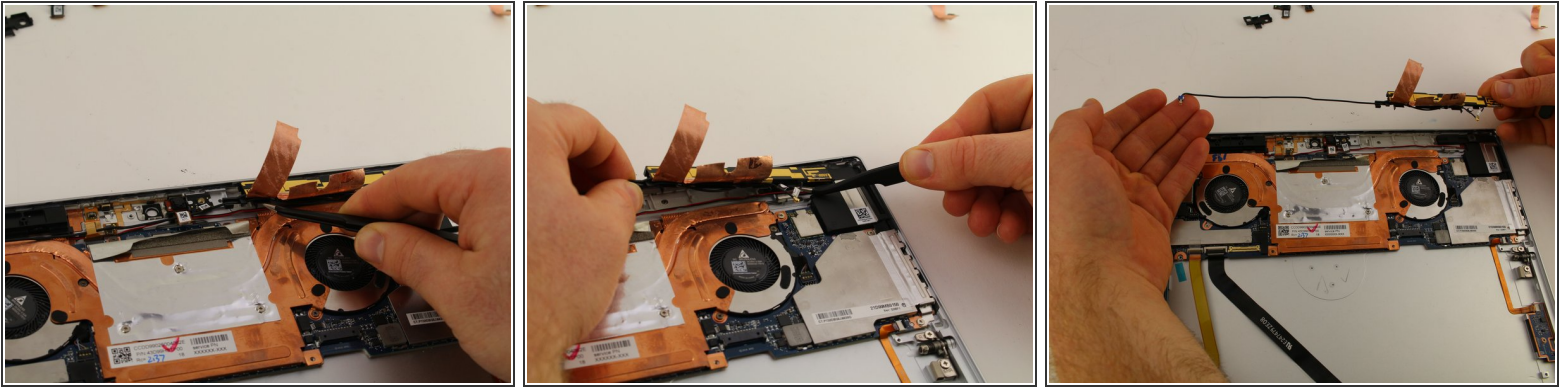
- Using tweezers or your fingers, lift up and remove the plastic covering and set it aside.

Step 11



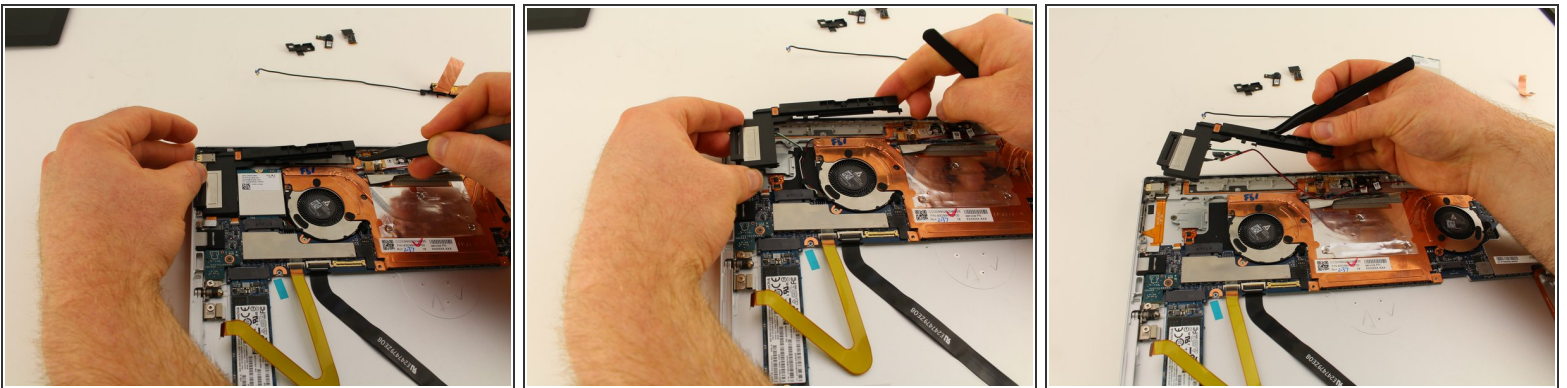
- Unscrew the two speaker/antenna module mounting 2mm screws using a Phillips #00 Screwdriver.

Step 12



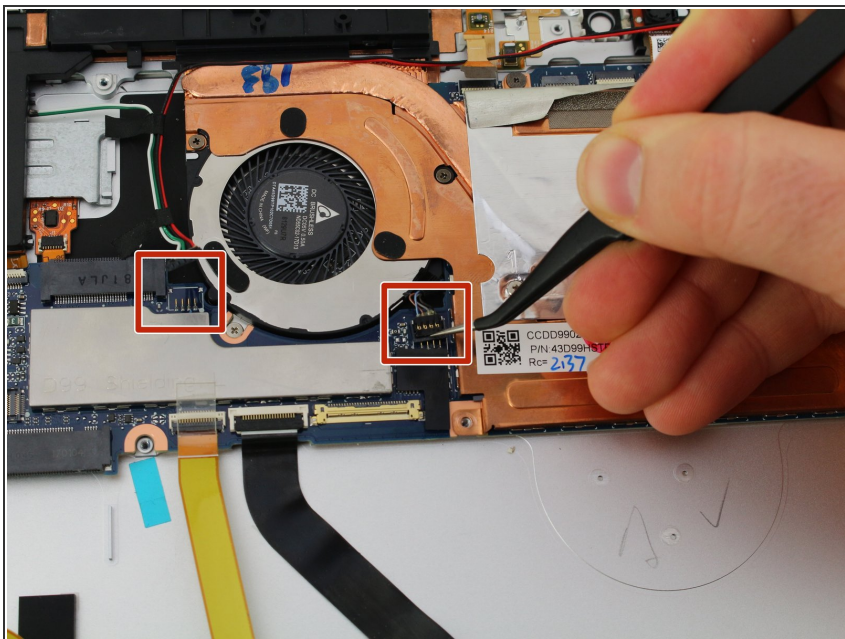
- Use tweezers or your finger to unclasp and remove the upper right module with the copper tape and wire. Start by popping up the left side of the module.
 - Continue to pry up the module toward the right.
- ⚠ At this point, all connectors have been undone in previous steps, but if you notice any wires securing the module, do not keep pulling! Gently undo any connectors before proceeding.
- Gently lift the whole module out, including the trailing wire.

Step 13



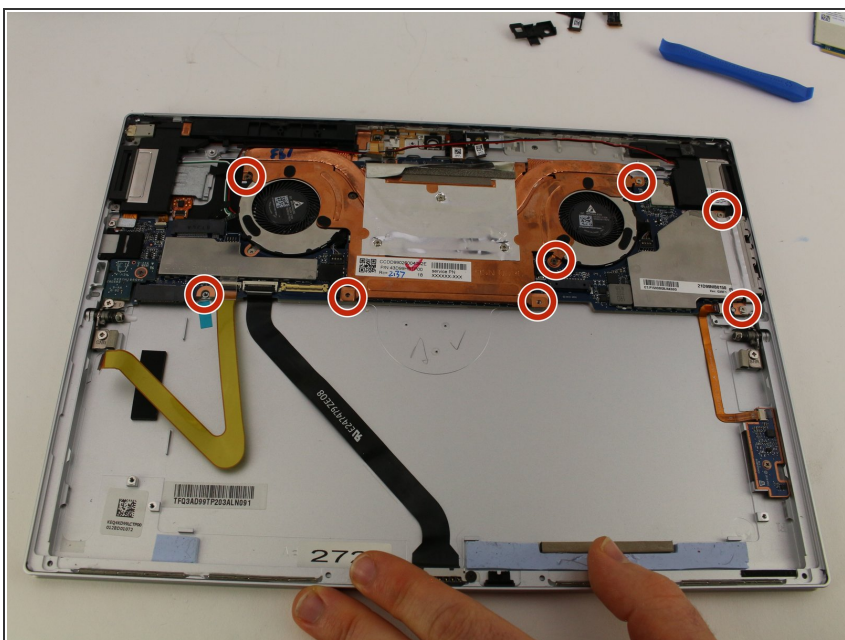
- Using a spudger, pry the left black plastic speaker/antenna module off of the frame as pictured. Start by lifting up the right side of the module, then slowly work your way down the module towards the right.
- i The slight cracking sound you will hear is the sounds of plastic clasps.

Step 14



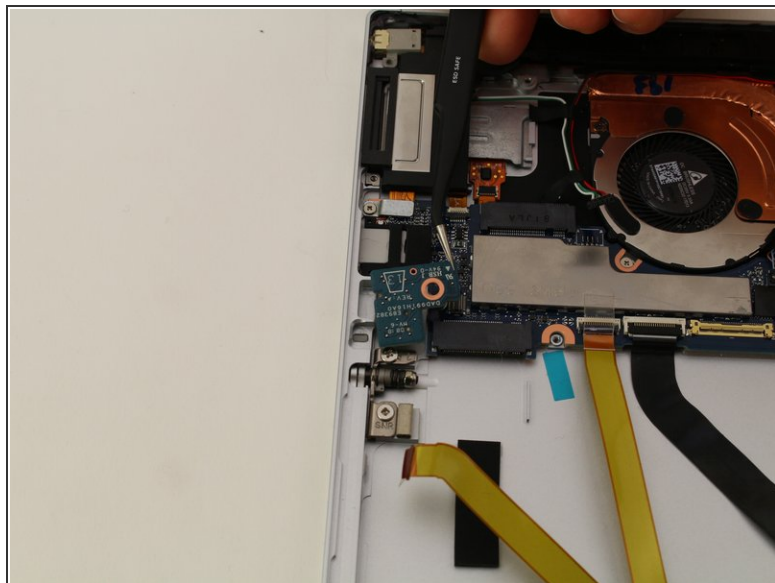
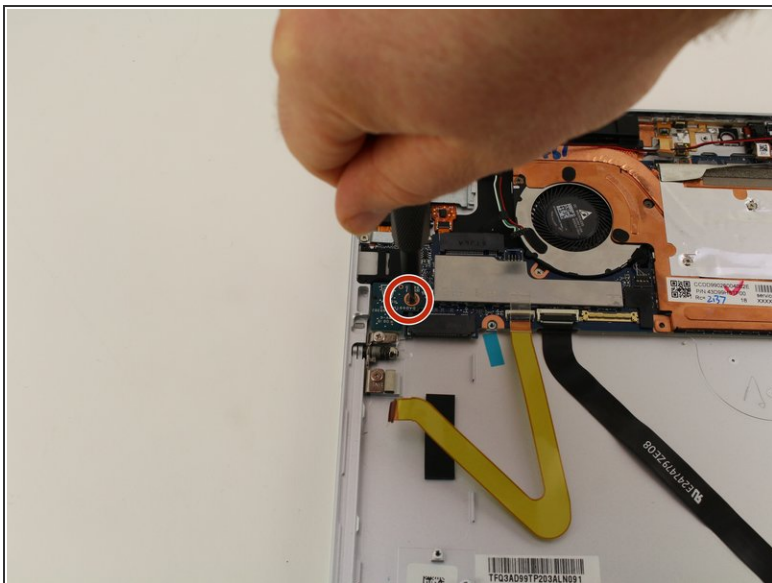
- Undo the two indicated connectors near the fan using your fingers or tweezers.

Step 15



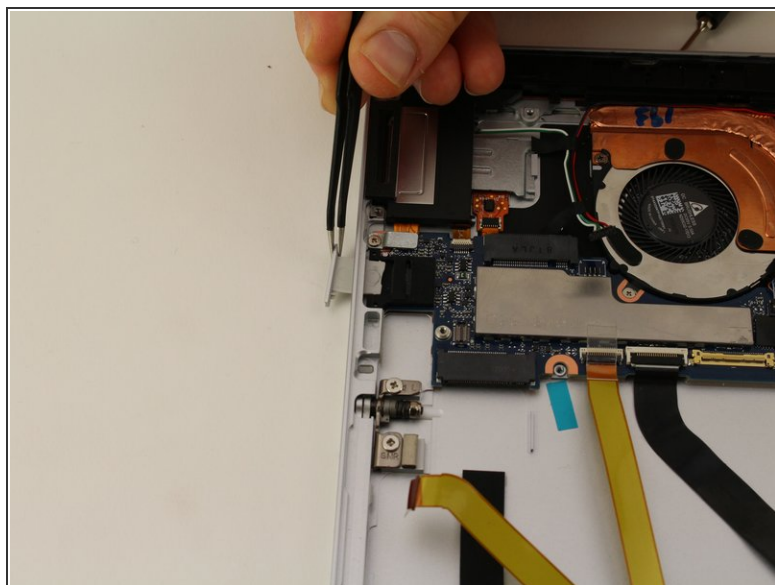
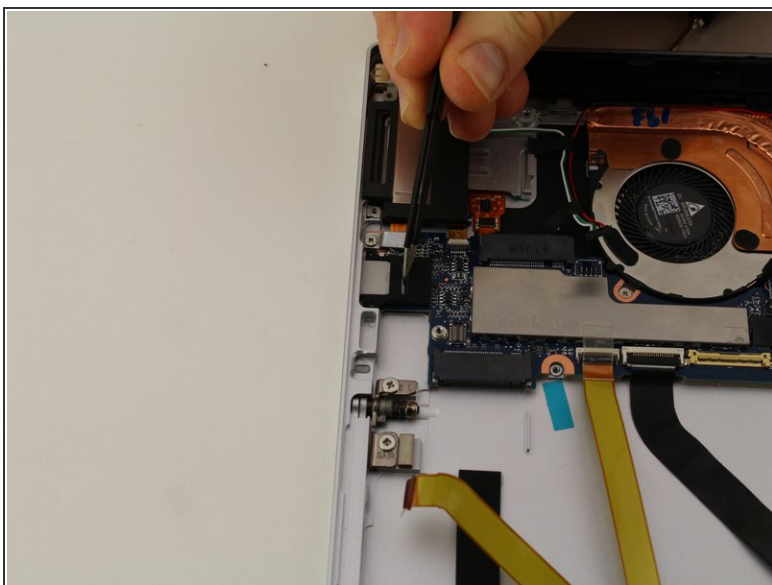
- Use the Phillips #00 Screwdriver to remove the eight 2 mm screws.

Step 16



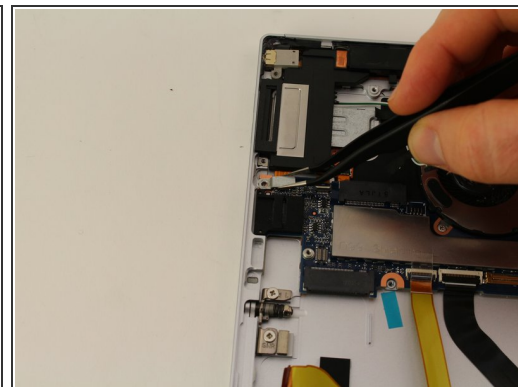
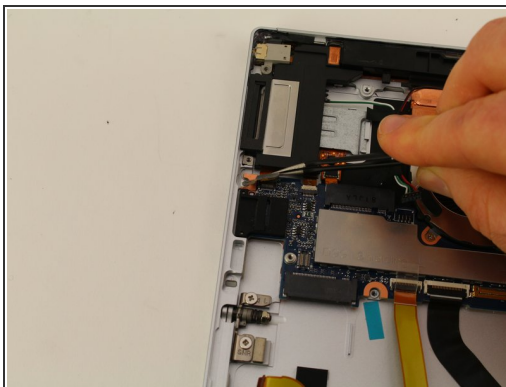
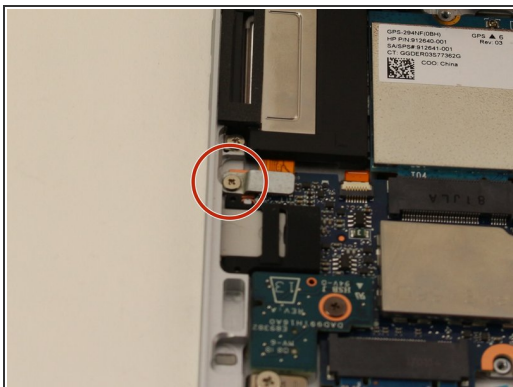
- Unscrew the single 2mm screw from the peripheral board with the same screwdriver, and remove the peripheral board from the motherboard.

Step 17



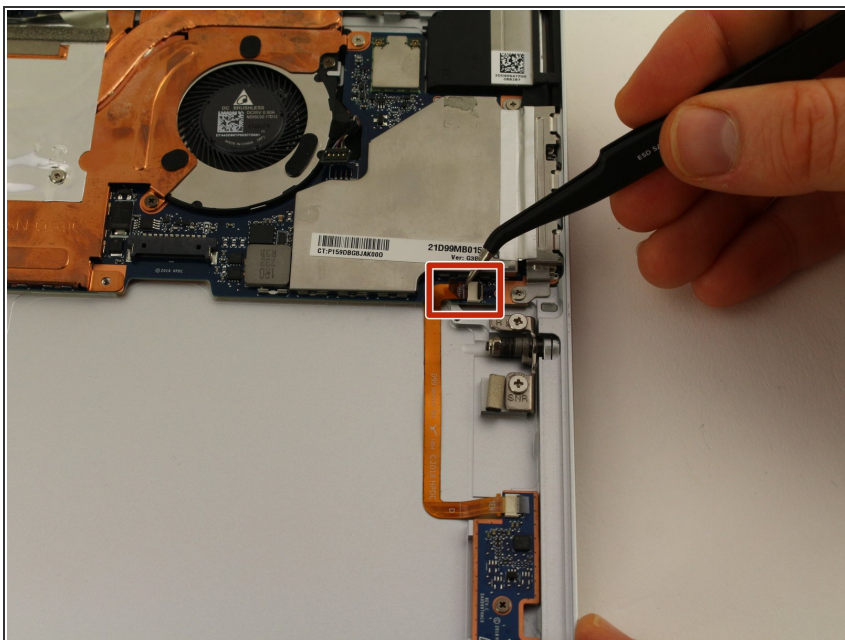
- Remove the SD Card holder from the motherboard.

Step 18



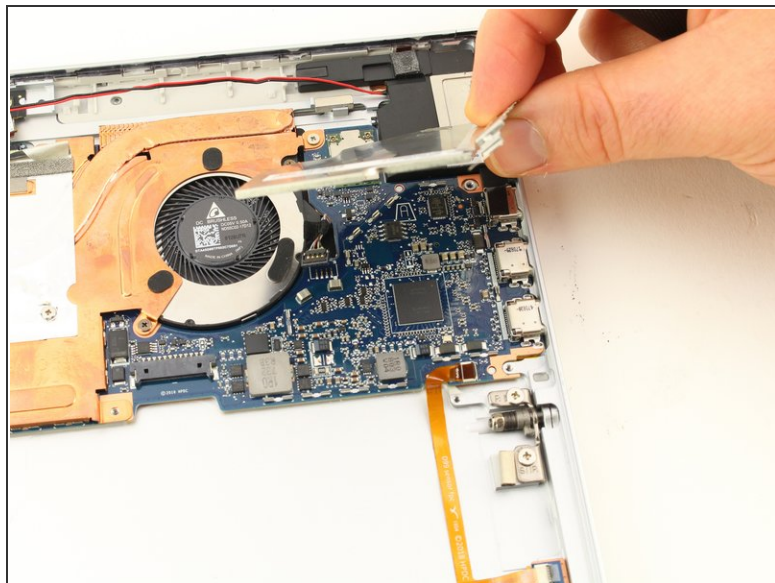
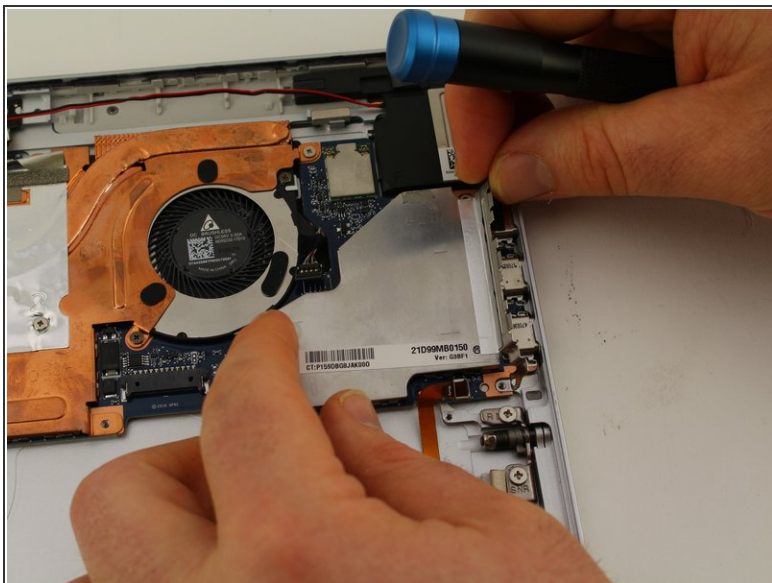
- Using the Phillips 00 Screwdriver, remove the 2mm screw from the ribbon cable bracket.
- Lift the ribbon cable bracket and connector off of the motherboard.

Step 19



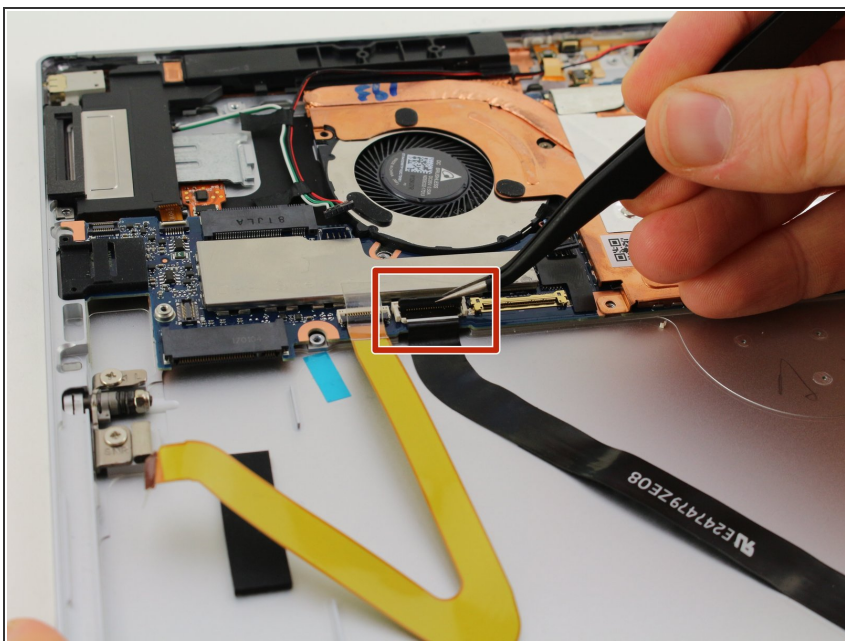
- Undo the indicated ribbon connector.

Step 20



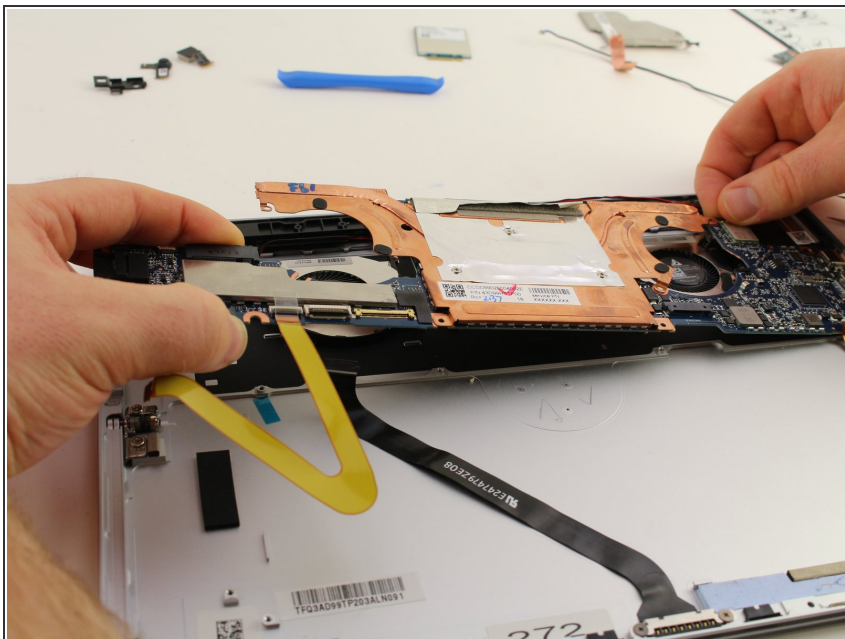
- Lift up the flap on the right of the indicated plate, and lift the whole covering off.

Step 21



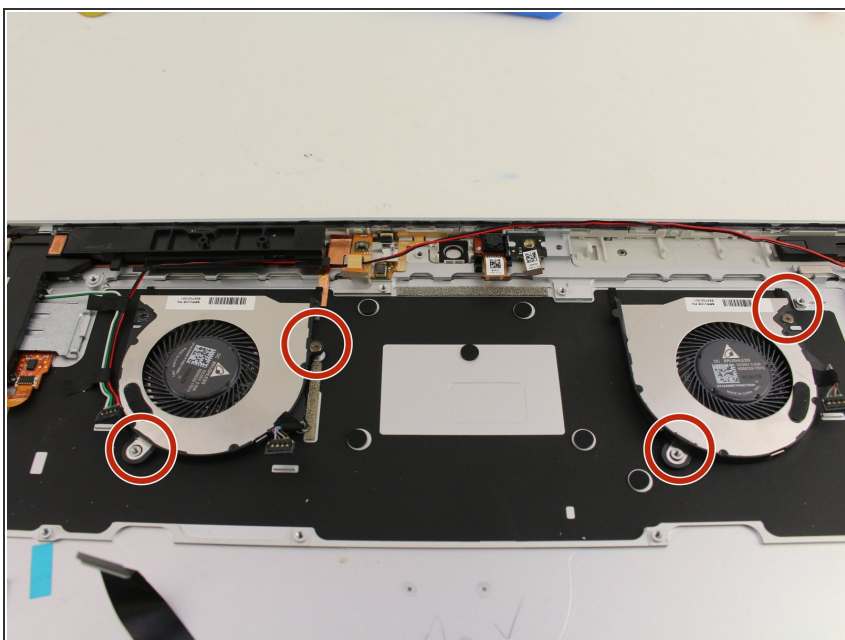
- Use tweezers or your fingers to undo the black ribbon connector.

Step 22



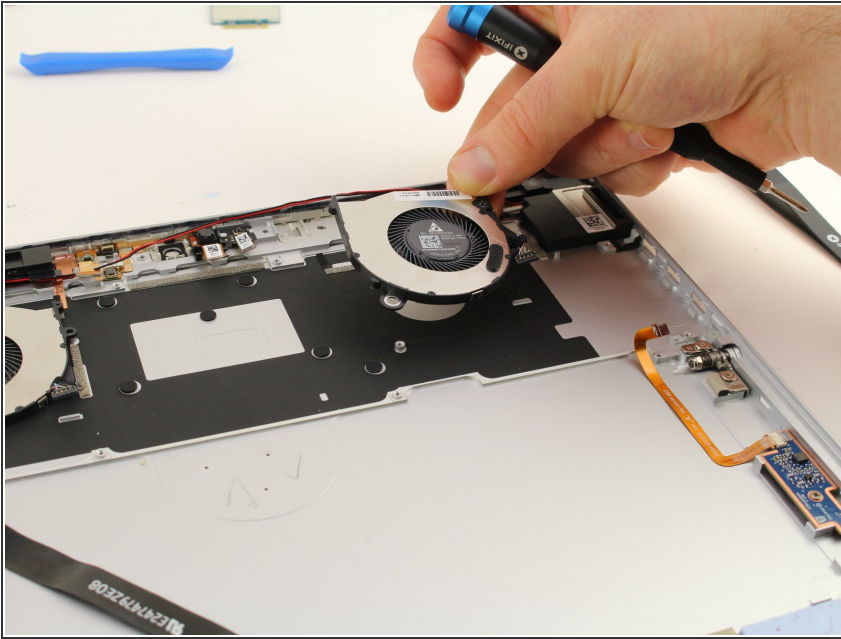
- Remove the whole assembly, granting access to the fans.

Step 23



- Use the Phillips #00 Screwdriver to remove the four 2mm screws.
- ⓘ If you are only removing one fan, remove the screws securing only that fan.

Step 24



- Lift the fan out.

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