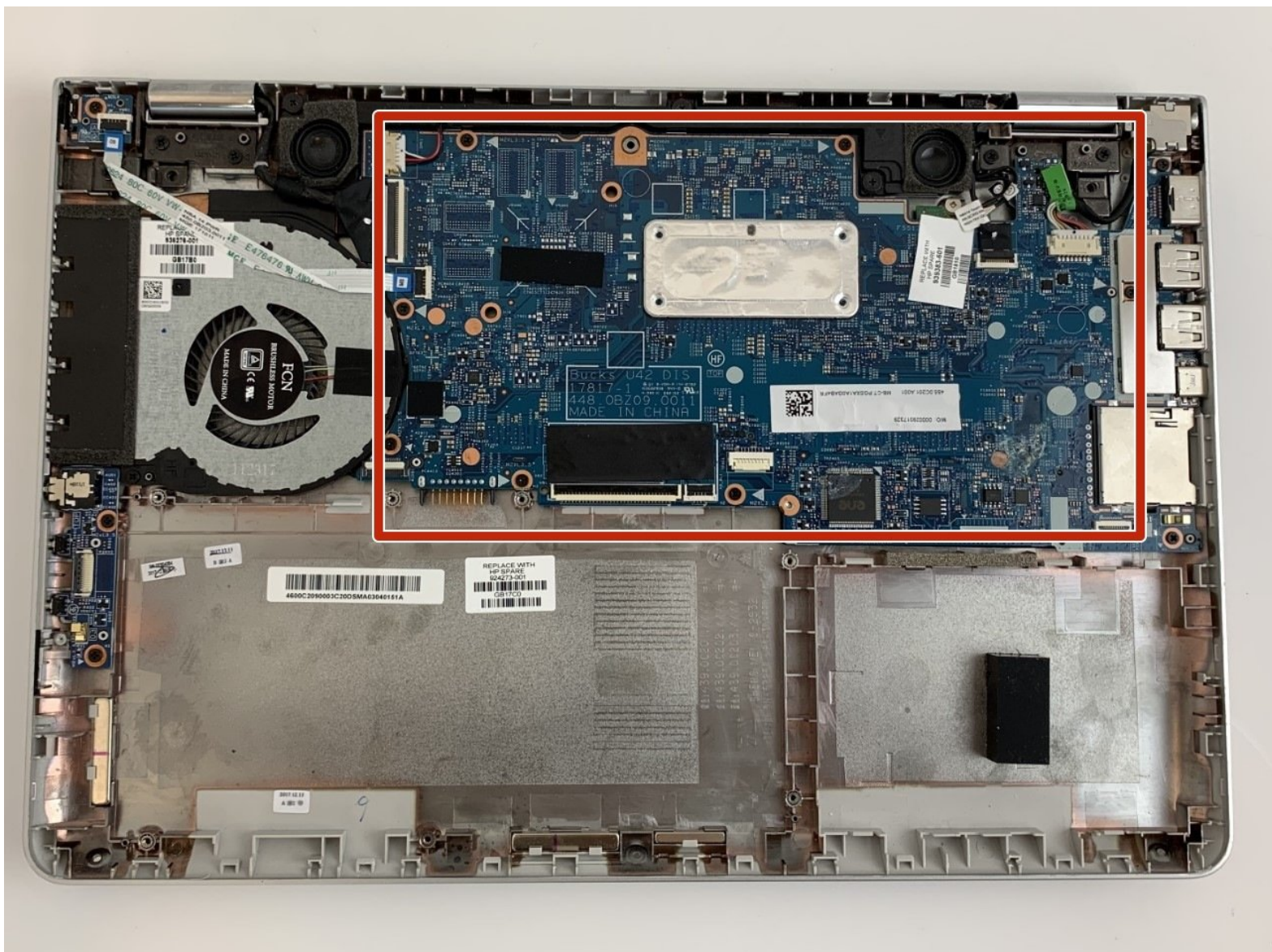




HP Pavilion x360 14m-ba114dx Motherboard Replacement

This guide will show you how to access, remove, and replace the motherboard component of the HP Pavilion x360 14m-ba114dx.

Written By: Jacob Morin



INTRODUCTION

This guide will help you remove and replace the motherboard in the HP Pavilion x360 14m-ba114dx. The motherboard is tasked with taking all of the components of the device and connecting them to create a functioning laptop. The symptoms of a failed motherboard are typically a completely dead system. Other than a dead system, there are not usually any other indicators given by the computer, due to the fact that the motherboard is in control of most of the components. For more information on a faulty motherboard, please visit [this page](#).

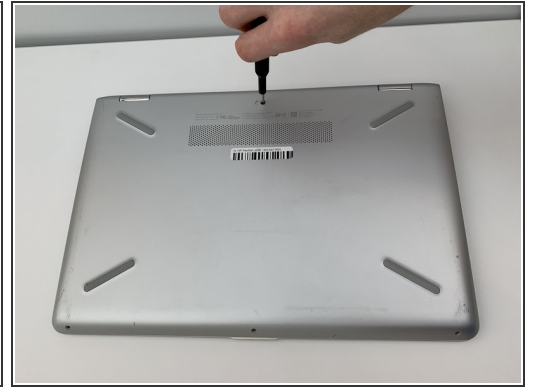
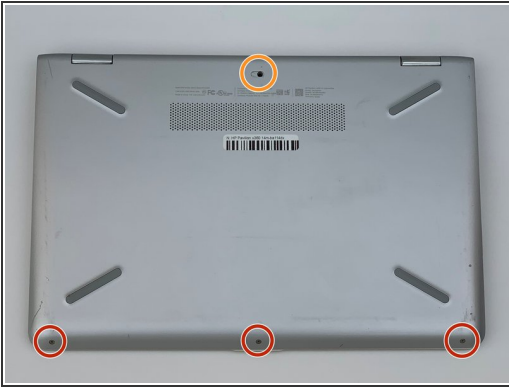
Removal of the motherboard is necessary to remove the fan and the DC power jack; if you are having problems with either of these components please consult [this troubleshooting page](#).

Finally, a prerequisite to this guide is removal of the battery. If you notice once the laptop is open that the battery is swollen, remove it with caution. If swollen, do not charge the battery, keep the battery at a stable room temperature, and dispose of it properly at a recycling center. [This page](#) will help you deal with a swollen battery. Another important thing is to make sure that you unplug your device from any external power sources and completely power it off before beginning this replacement.

TOOLS:

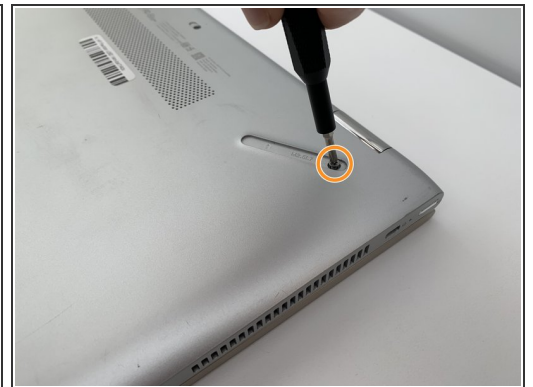
- [Phillips #1 Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [iFixit Opening Picks \(Set of 6\)](#) (1)
 - [Halberd Spudger](#) (1)
 - [Spudger](#) (1)
 - [ESD Safe Tweezers Blunt Nose](#) (1)
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Step 1 — Battery



- Using a #0 Phillips-head screwdriver, remove the three 5 mm screws along the bottom of the back cover.
- Using a #0 Phillips-head screwdriver, remove the 6 mm screw at the top of the back cover.

Step 2



- Using the flat end of the Spudger, pry up the two rubber feet on the top of the laptop's back cover.
- Using a #0 Phillips-head screwdriver, remove the 8 mm screw under each of the rubber feet.

Step 3



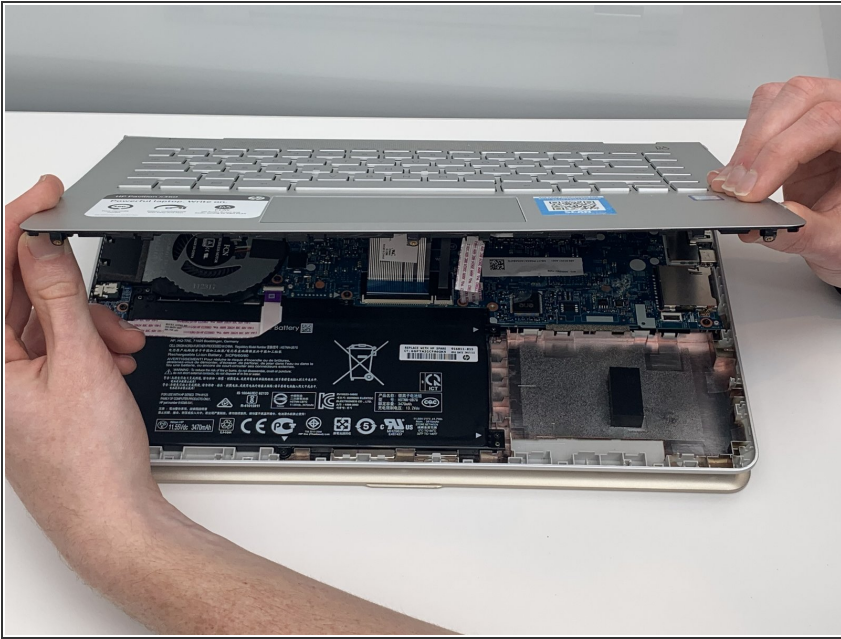
- Open the laptop, with the display fully extended to 360 degrees so that the screen is on the table.
- ⚠ In this orientation, sliding the laptop around may scratch the screen. A blanket or a mat placed under the screen will help to prevent scratching.
- Using the thinner end of an iFixit Plastic Opening Tool, pry open the keyboard panel from the base of the laptop near the screen hinges.

Step 4



- Using the iFixit Plastic Opening Tool and the iFixit Opening Picks, work your way around the rest of the keyboard and pry it out of the base.

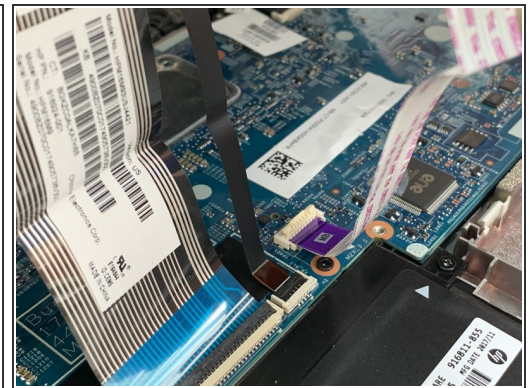
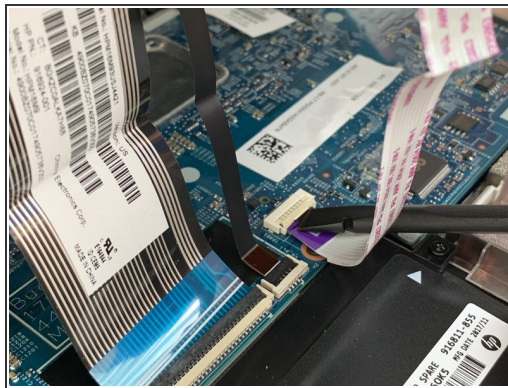
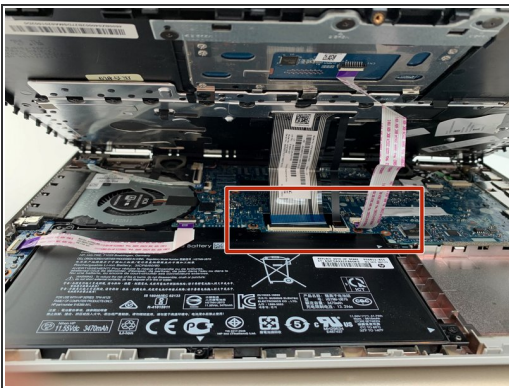
Step 5



- Grasp the keyboard with both hands and gently lift it out of the base.

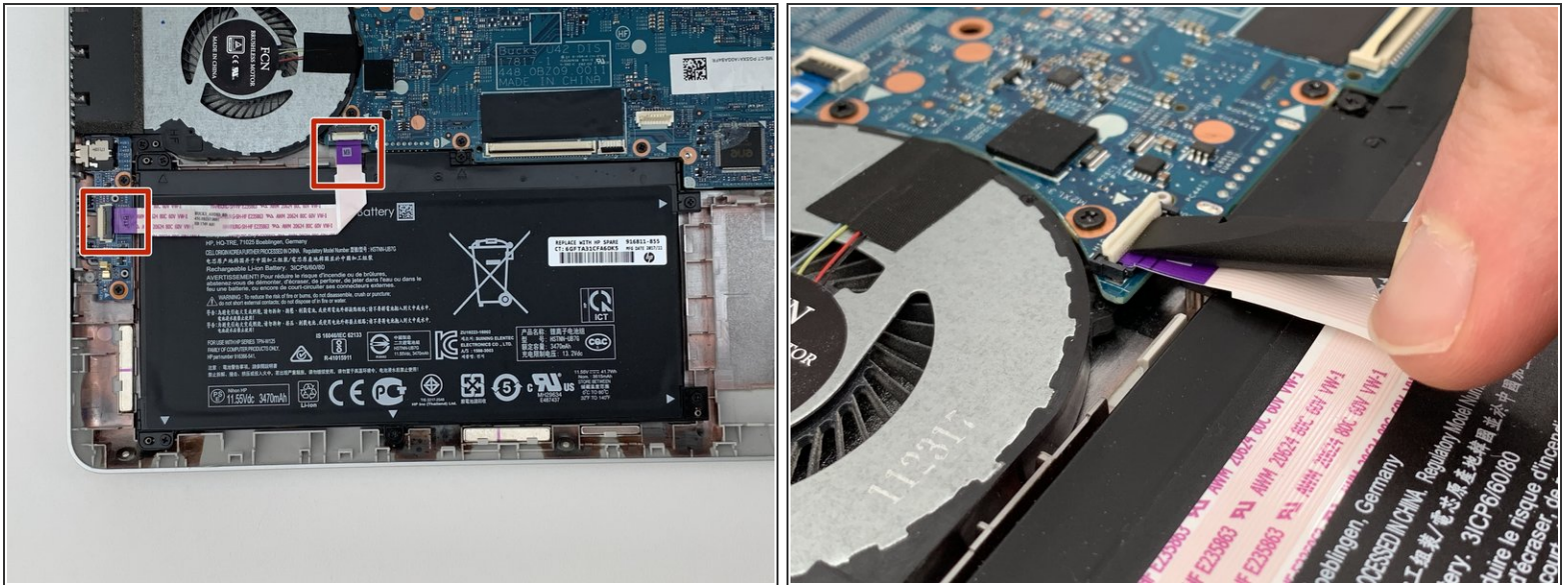
⚠ Do not lift the keyboard completely out of the base, as there are ZIF connectors that must be removed first.

Step 6



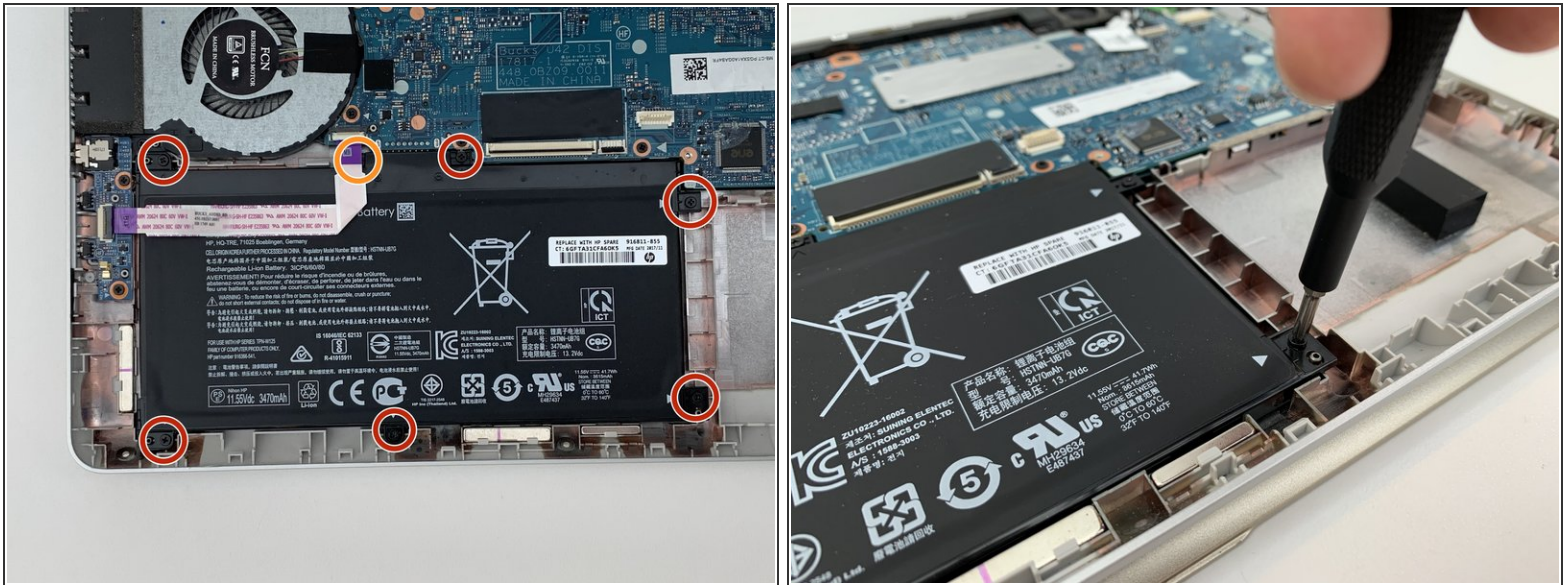
- Using a plastic Spudger, remove the ZIF connectors that attach the motherboard to the touchpad and the keyboard. Use the flat end of the Spudger to pop up the cap on top of the connector. The connector will then slide out of place.
- Repeat this step for all three connectors.

Step 7



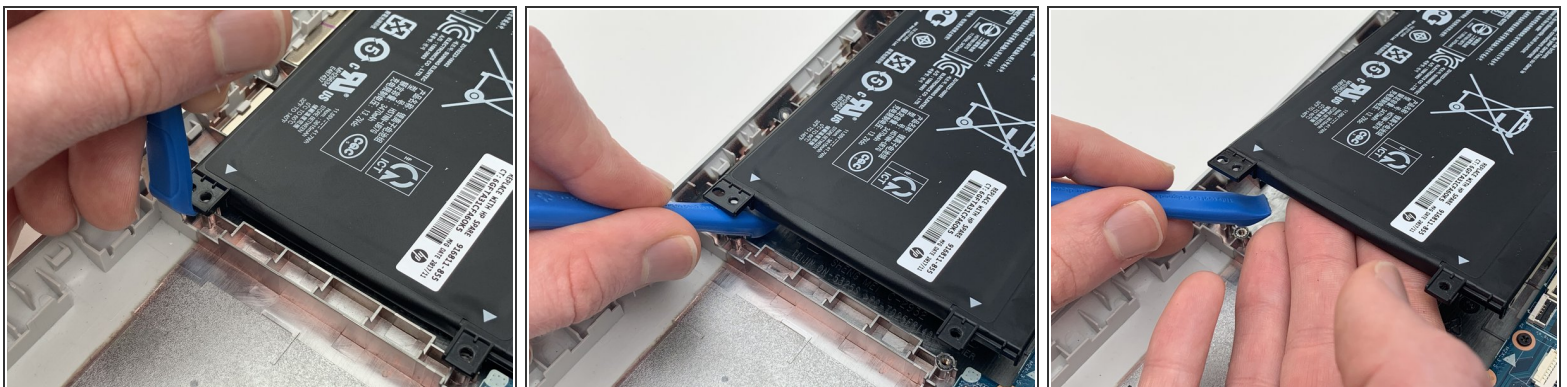
- Using the flat end of the plastic Spudger, remove the ZIF connector attaching the volume button and headphone jack to the motherboard.
- ⓘ This ZIF ribbon is glued to the middle of the battery. You do not need to separate this ribbon from the battery in order to remove the battery from the device. You only need to unclip it at both ends.

Step 8



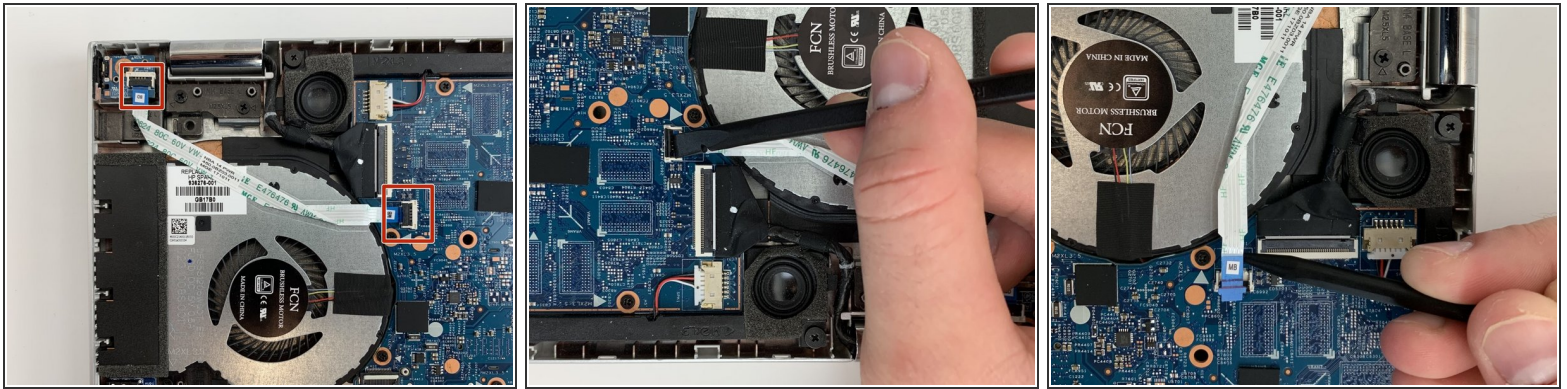
- Using a #1 Phillips-head screwdriver, remove the seven 4 mm screws around the battery.
- Gently move the ZIF connector out of the way to reach the screw marked in orange. Then use the #1 Phillips-head screwdriver to unscrew it.

Step 9



- Using the thin end of the iFixit Plastic Opening Tool, pry the battery out of its place inside the laptop's base.
- Next, use your fingers to pull the battery out of its position.

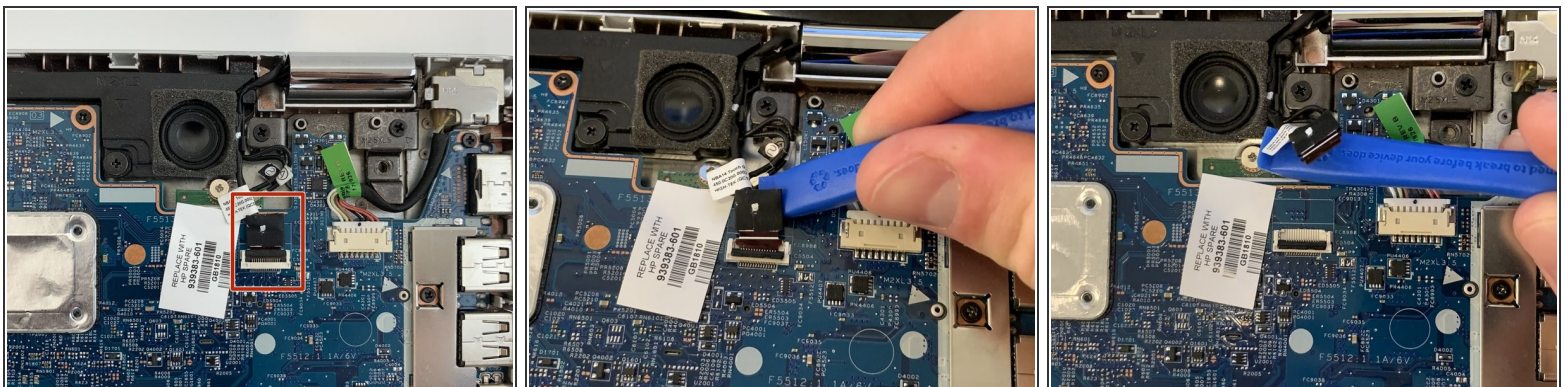
Step 10 — Motherboard



- Using the plastic Spudger, remove the ZIF connector connecting the power button board to the motherboard. Remove the connector by popping the cap up on top of the connector and sliding it out of its slot.

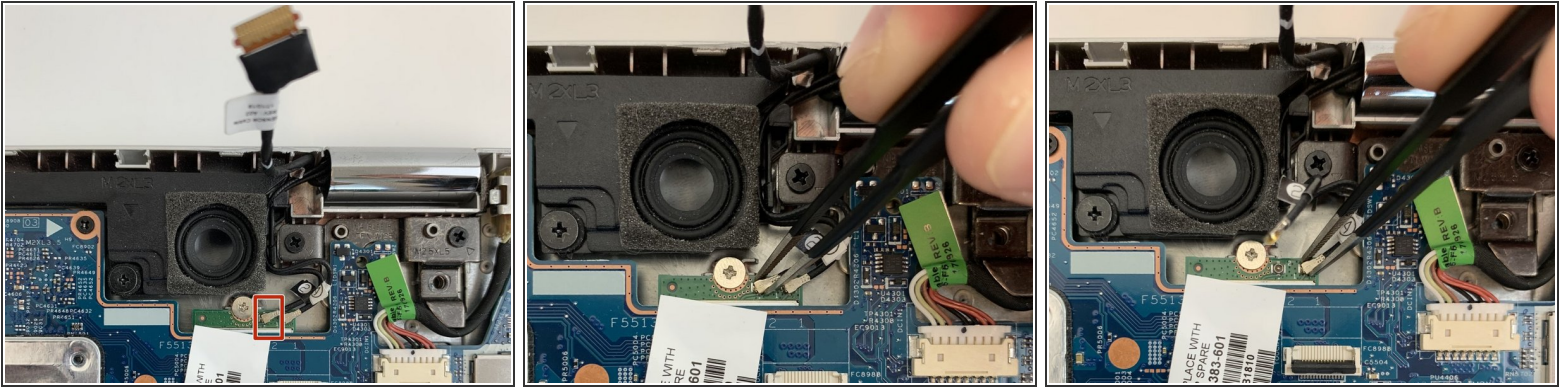
i This ZIF ribbon is glued to the middle of the fan and will not come off.

Step 11



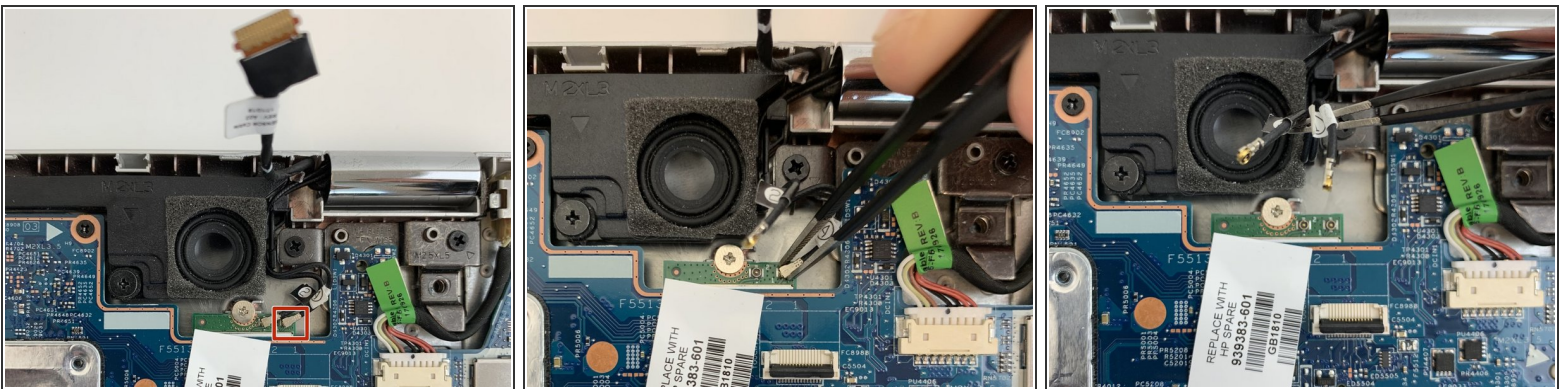
- Using the iFixit Plastic Opening Tool or the plastic Spudger, disconnect the touch screen cable from the motherboard. Flip up the ZIF connector and move the wire away from the connection point.
- Pull the wire out from its track next to the speaker.

Step 12



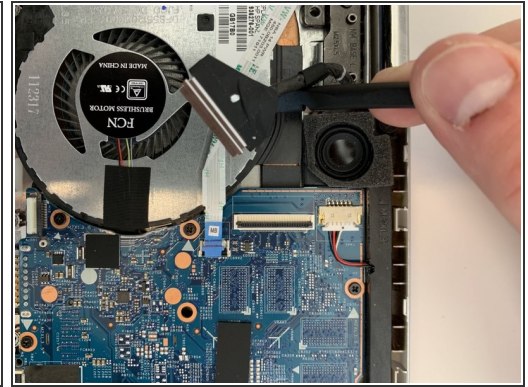
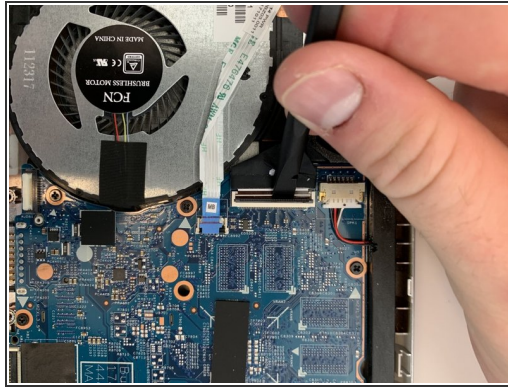
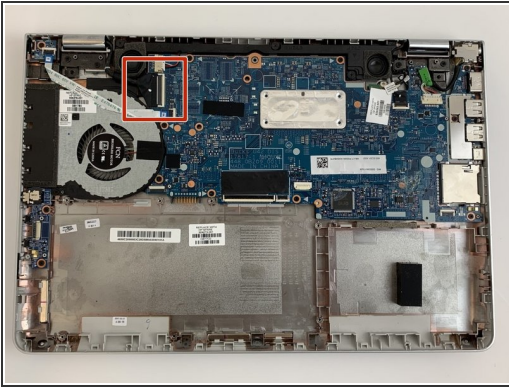
- Use the Blunt Tweezers to disconnect the Wireless Card Antenna Cables. Start with the cable labeled M2, which is connected to Port #2. To disconnect the cable, grab it on both sides with the tweezers and pull up.

Step 13



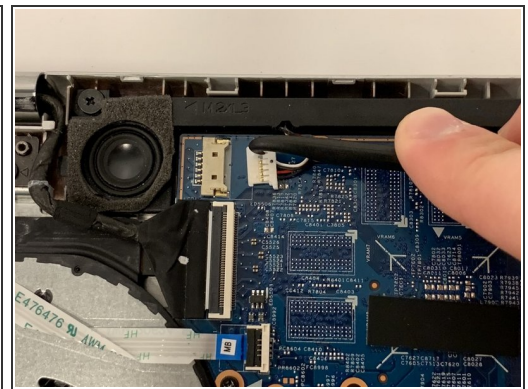
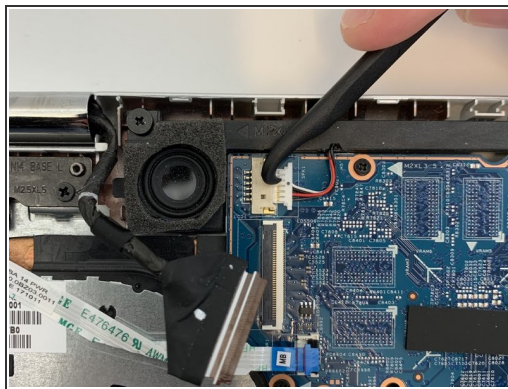
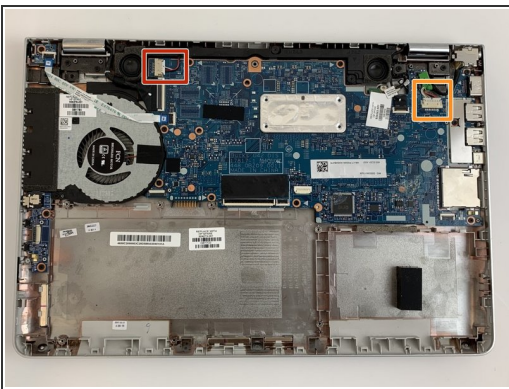
- Use the Blunt Tweezers to disconnect the Antenna Cable labeled A1, which is connected to Port #1. To disconnect the cable, grab it on both sides with the tweezers and pull up.
- Using the Blunt Tweezers, unwind the cables from the track to the right of the speaker. The cables are held in place by two black hooks.

Step 14



- Using the plastic Spudger, remove the ZIF connector that connects the motherboard to the Display Cable. To remove a ZIF connector, use the flat end of the Spudger to flip up the cap on the top. Then the connector should slide out.

Step 15



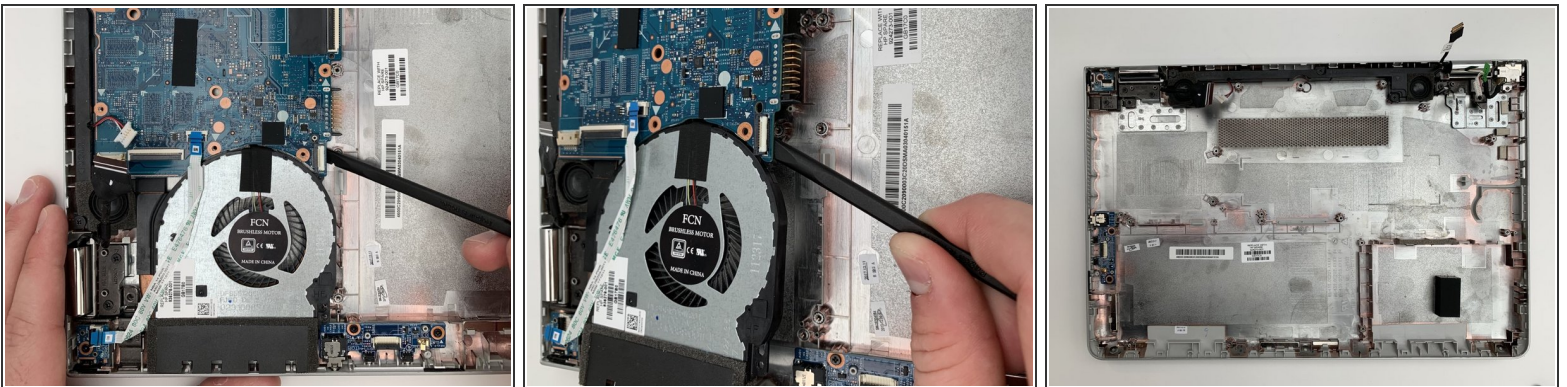
- Using the curved end of the Halberd Spudger, disconnect the Speaker Cable from the port that connects it to the motherboard by prying it out of the port.
- Using the same process to disconnect the DC Power Jack Cable from the port that connects it to the motherboard.

Step 16



- Using a #1 Phillips-head Screwdriver, remove the ten 5 mm screws that secure the motherboard and fan to the base.
- Using a #1 Phillips-head Screwdriver, remove the singular 2 mm screw that connects the motherboard to the wireless card.

Step 17



- Using the plastic Spudger, gently lift up on the motherboard from the side that has the fan connected to it and remove the motherboard from the base.
- ⚠ Ensure that all connections to the motherboard have been disconnected. If they are not, the motherboard could be damaged upon removal.

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