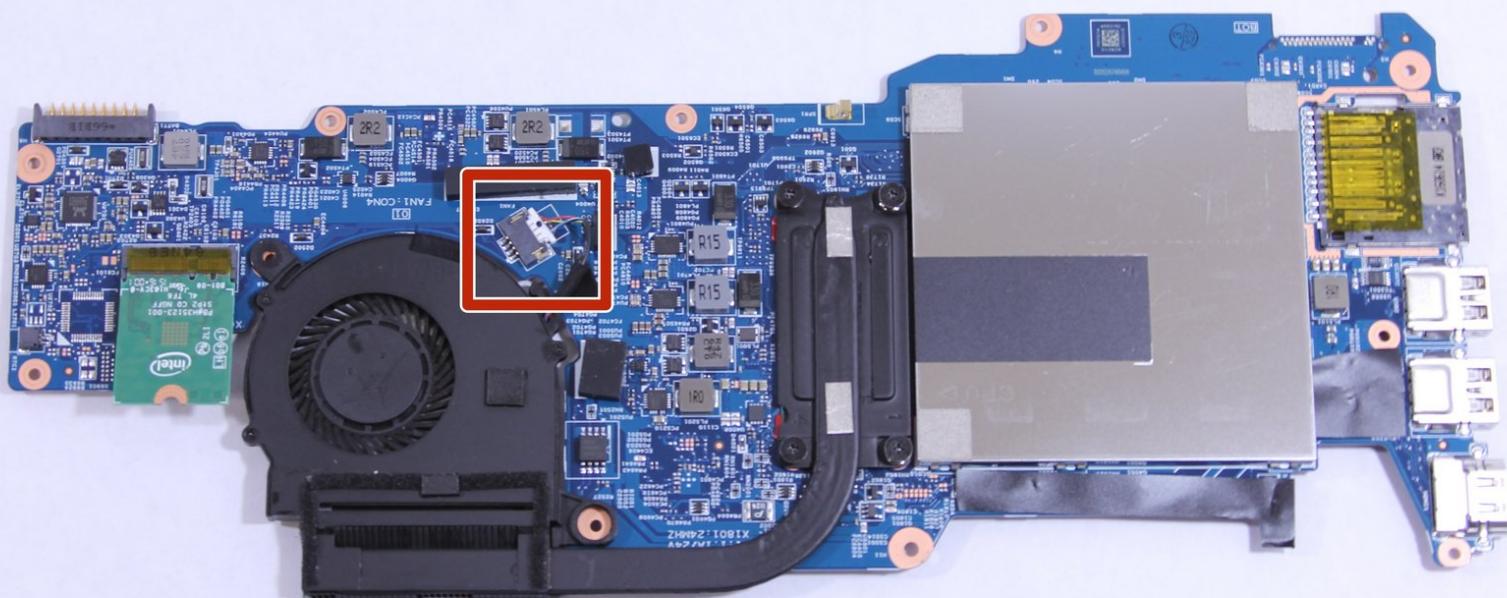




HP Pavilion x360 m3-u001dx Fan Replacement

This guide will help you replace the internal fan on the HP Pavilion x360 m3-u001dx.

Written By: Jonathan



INTRODUCTION

If the laptop is hotter than usual or is making noises, use this guide to replace the fan.

TOOLS:

- [Heavy-Duty Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Metal Spudger](#) (1)
- [iFixit Opening Tools](#) (1)

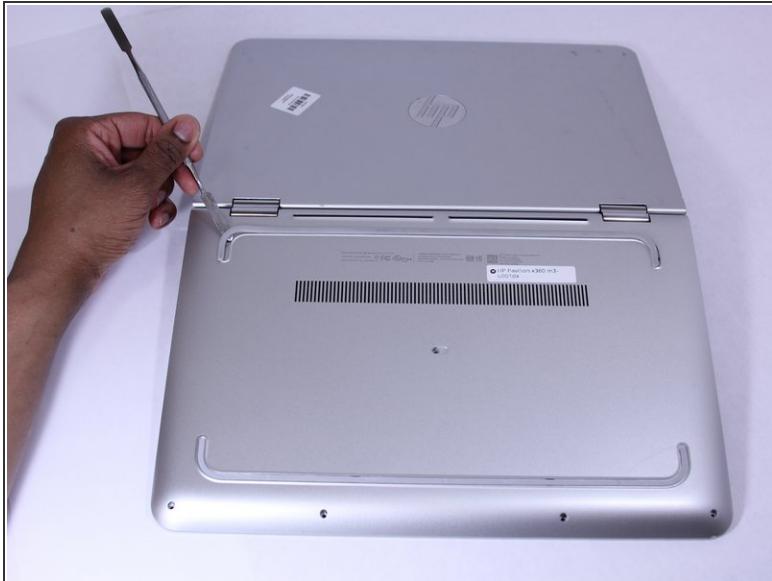
Step 1 — Keyboard



- Shut down the computer.
- Disconnect the power and all external devices connected to the computer.

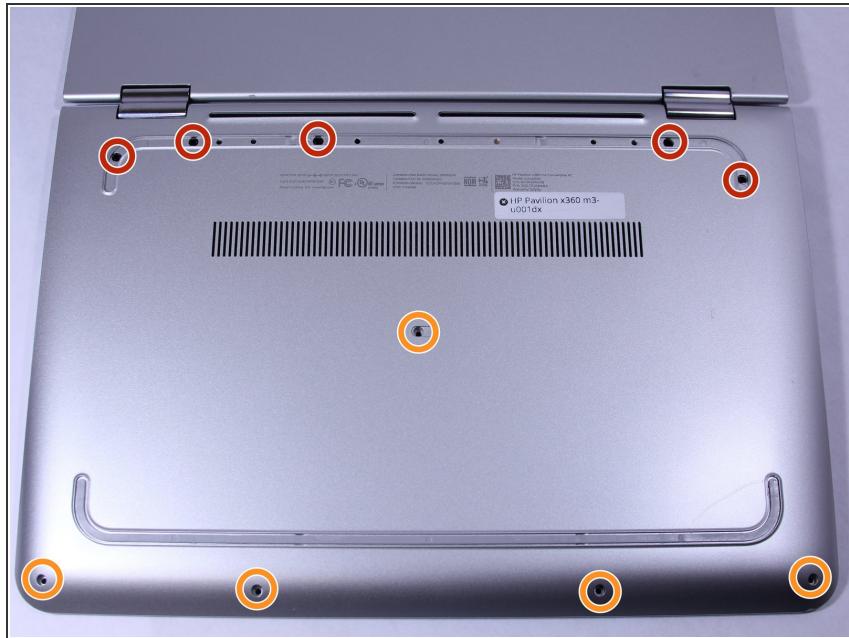
 Working on your device while it is turned on may result in electric shock.

Step 2



- Use a Metal Spudger and remove the rubber foot closet from the bottom of the laptop.

Step 3



- Remove all of the screws located on the bottom of the laptop:
 - 5 Phillips 2.4 x 5.7 mm screws
 - 5 Phillips 2.0 x 5.0 mm screws
- *(i)* Make special note of each screw and screw lock size and location during removal and replacement.

Step 4



- Turn the computer over onto its base, with the computer open and the keyboard facing upward.

Step 5



⚠ The keyboard is attached internally by clips. Use a small amount of force when removing the keyboard.

- Use the Plastic Opening Tool to separate the keyboard from the base of the laptop.

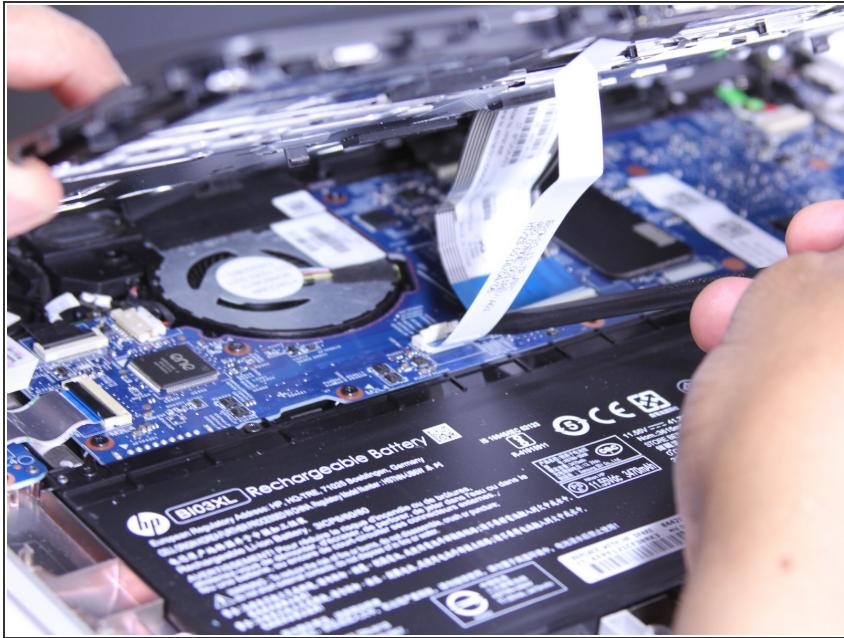
Step 6



- Raise the keyboard slightly to access the touch pad and keyboard cables.

⚠ Raising the keyboard too far or with excessive force may cause damage to the keyboard, touch pad cables, or their connectors.

Step 7



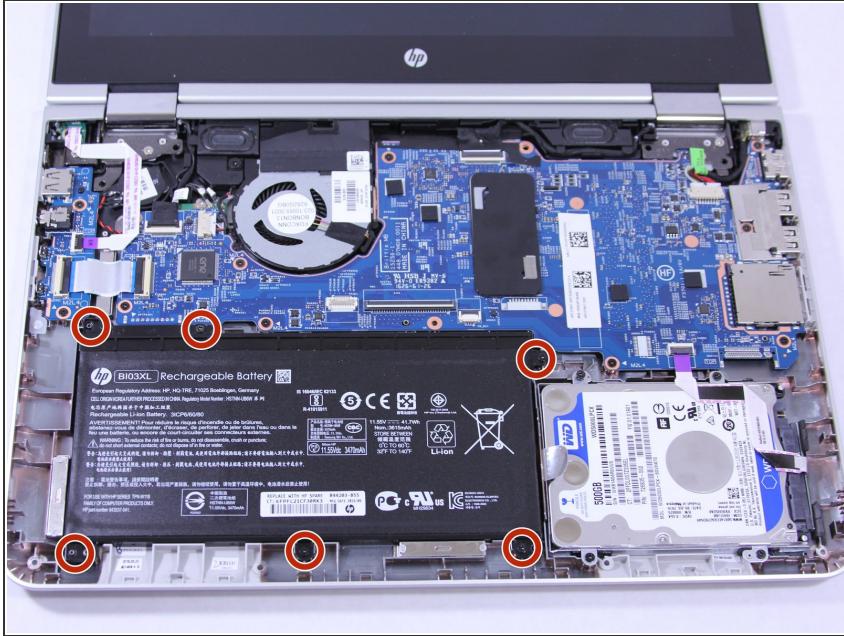
- Disconnect the ribbon cables attaching the touch pad and keyboard to the system board (motherboard).
- Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
- Use the blue plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 8



- Lift the keyboard away from the base of the laptop.

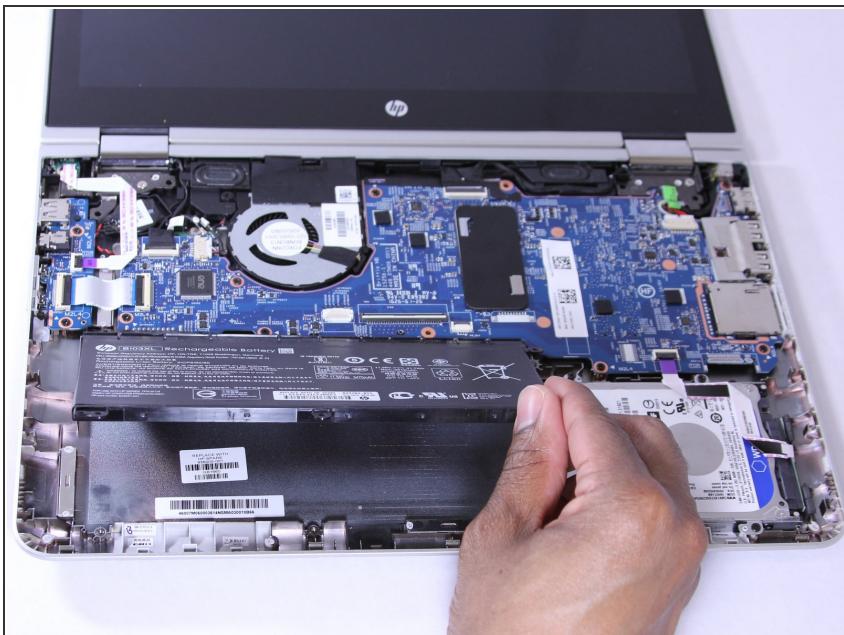
Step 9 — Battery



- Using the Phillips 00 Screwdriver, remove 6 Phillips 2.0 x 4.6 mm screws from the perimeter of the battery.

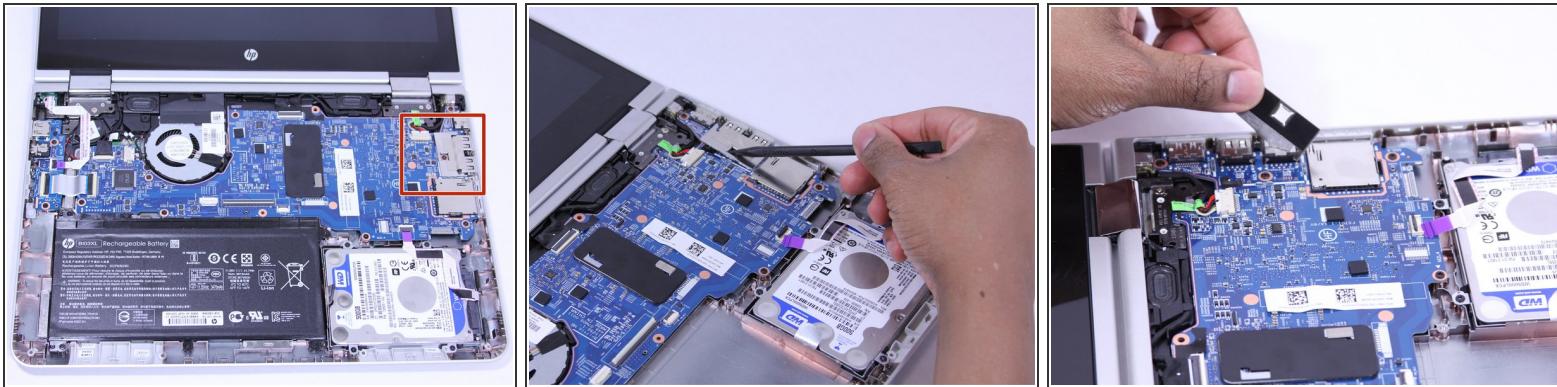
- Make special note of each screw and screw lock size and location during removal and replacement.

Step 10



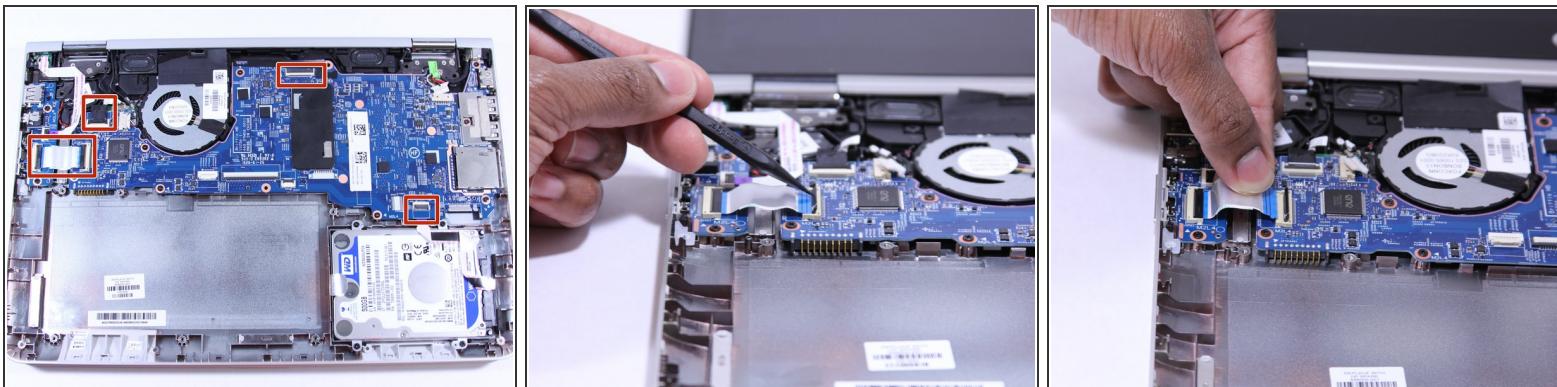
- Carefully lift the battery up from lower right corner and disconnect it from the motherboard.

Step 11 — USB Port Shield



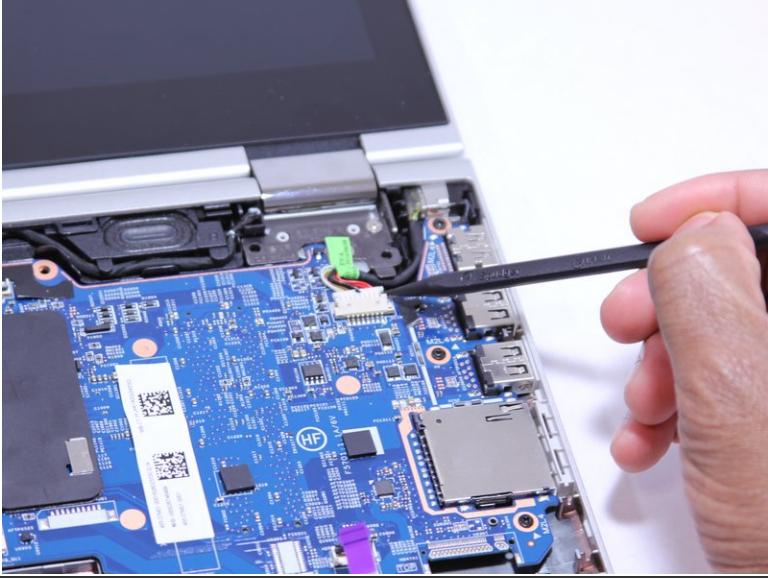
- (You don't NEED to remove this shielding as you can remove the board with it still there.)
- Remove the adhesive strip.
- Lift the shield away from the base of the laptop.

Step 12 — System Board (Motherboard)



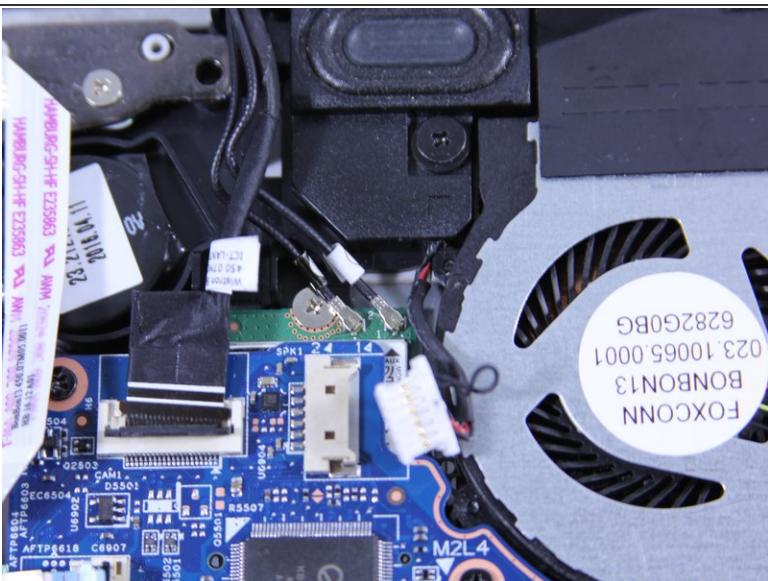
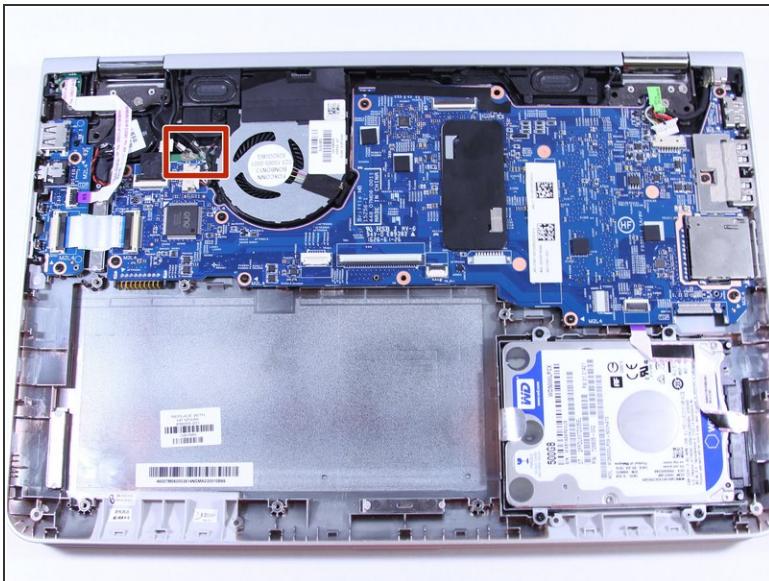
- Disconnect the ribbon cables attached to the system board (motherboard).
- Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
- Use the plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 13



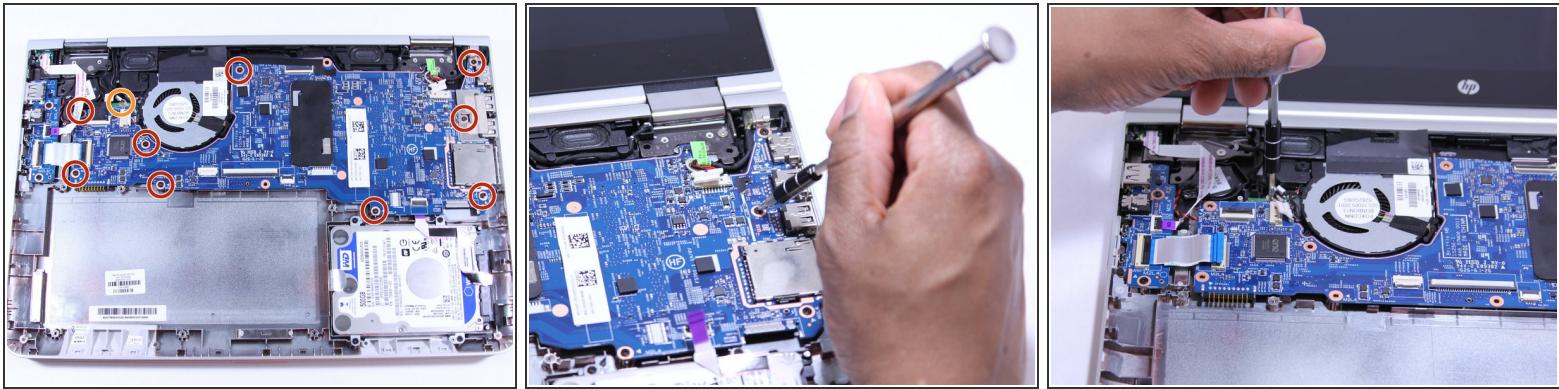
- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

Step 14



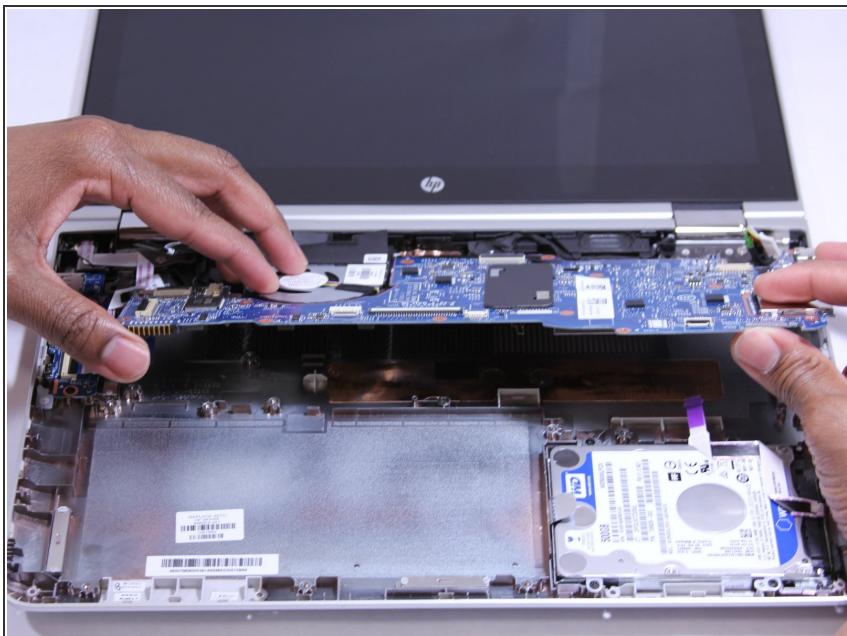
- Pull the clipped cables from system board (motherboard).

Step 15



- Remove the system board (motherboard).
 - Using the Phillips 00 Screw Driver, remove 9 Phillips 2.0 x 4.7 mm screws with "M2L4" next to them.
 - Using the Phillips 00 Screw Driver, remove the silver screw.
- *i* Make special note of each screw and screw lock size and location during removal and replacement.

Step 16



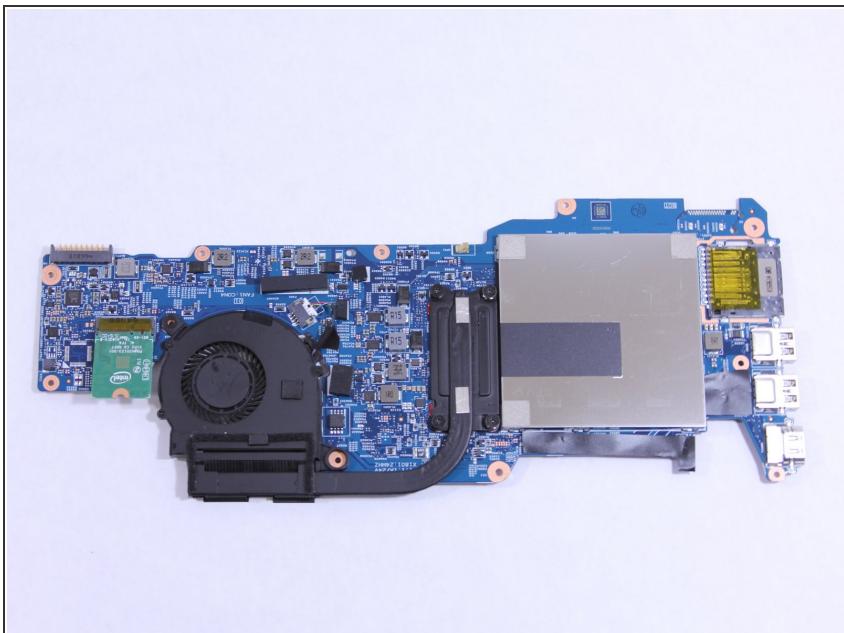
Carefully lift the front side of the system board (motherboard).

Step 17



- Using a Heavy Duty Spudger, disconnect the black and red RTC battery cable on the left side of the system board (motherboard).

Step 18



- Release the system board (motherboard) from the base enclosure.

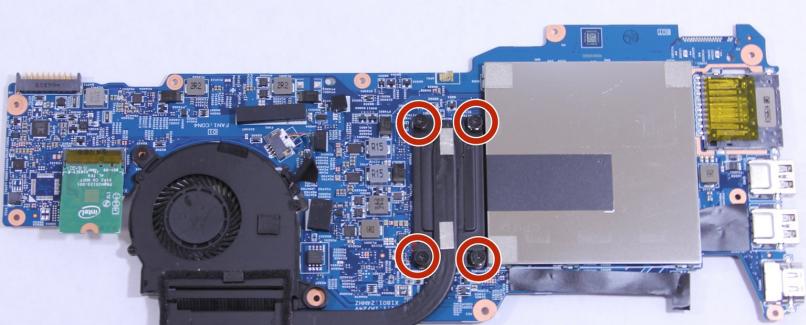
⚠ Place the motherboard somewhere safe since it is the most delicate and expensive part of the laptop.

Step 19 — Fan



- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

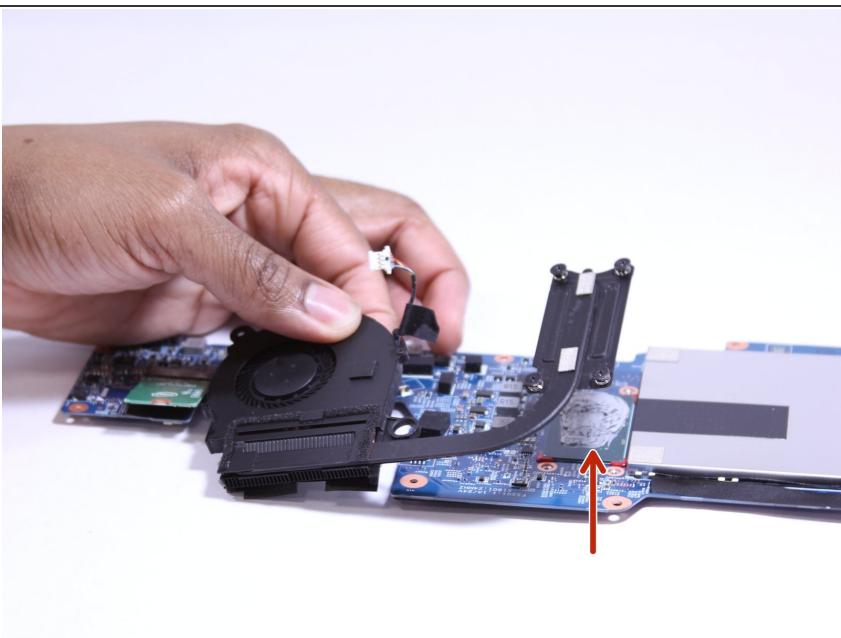
Step 20



- Using the Phillips 00 Screw Driver. remove 4 screws from the heat sink.

i Make special note of each screw and screw lock size and location during removal and replacement.

Step 21



- Remove any adhesive tape attaching the fan/heat sink to the system board (motherboard).
(i) The grey paste under the fan/heat sink is thermopaste, it keeps the processor cool. To replace it, use our [How to Apply Thermal Paste](#) guide.
- Detach the fan/heat sink.

Follow these instructions in reverse order to reassemble your device.