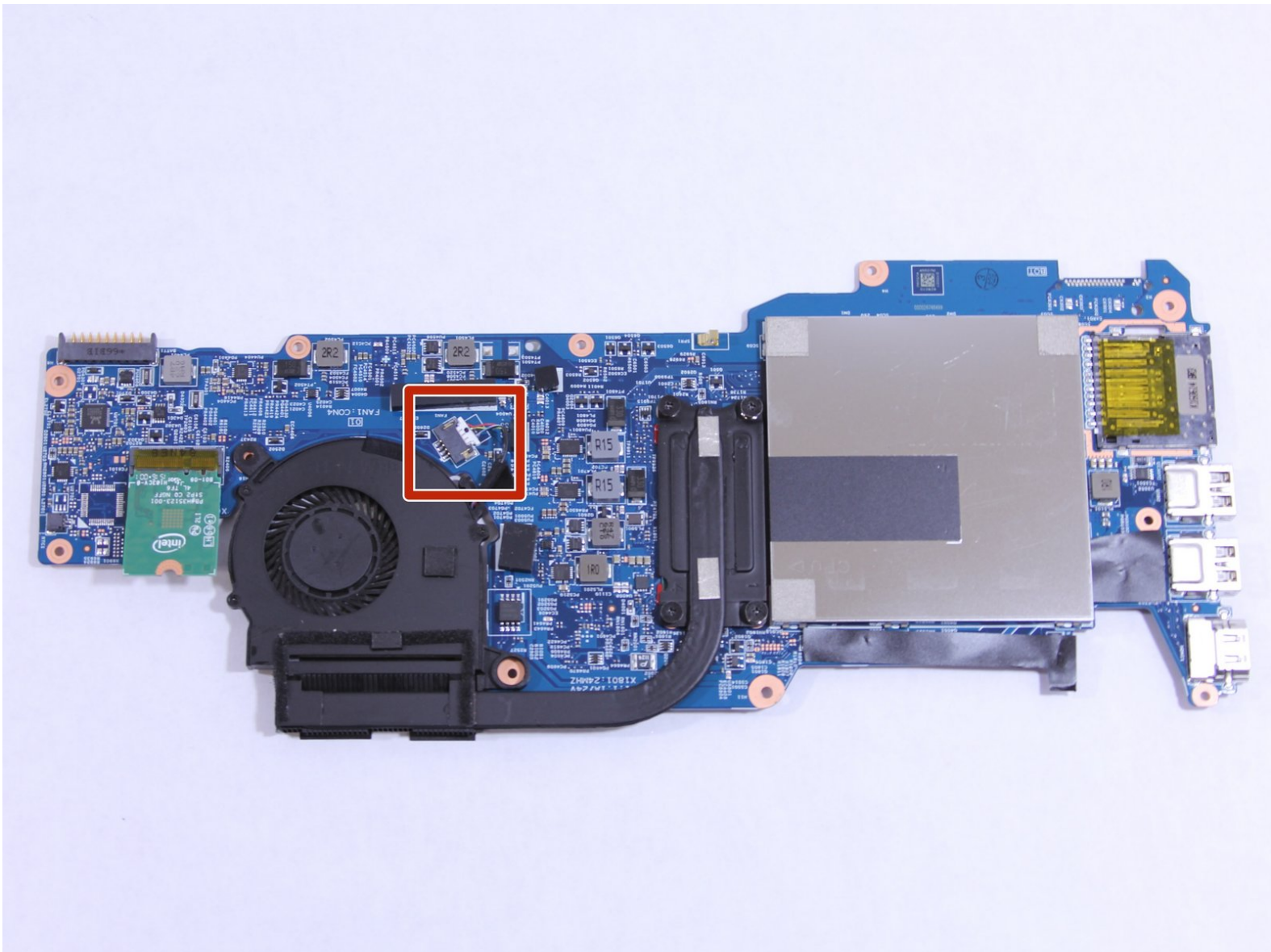




HP Pavilion x360 m3-u001dx Fan Replacement

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:

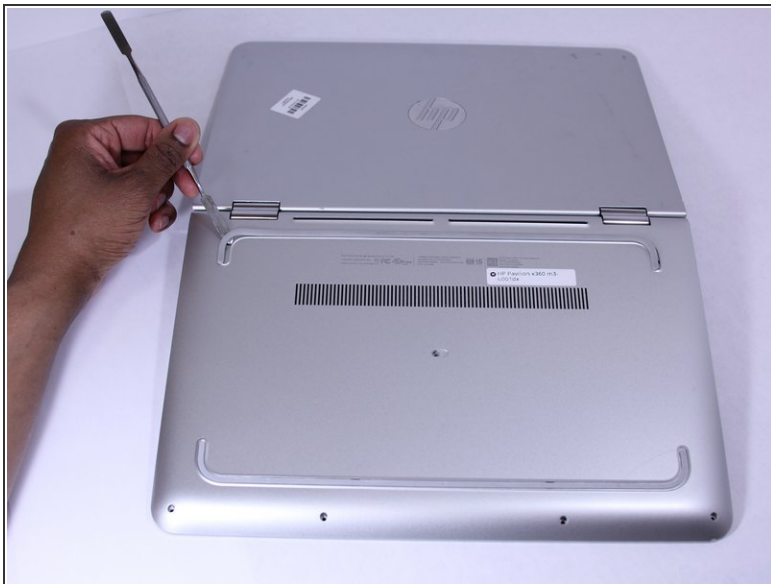
- [Heavy-Duty Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Metal Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Keyboard



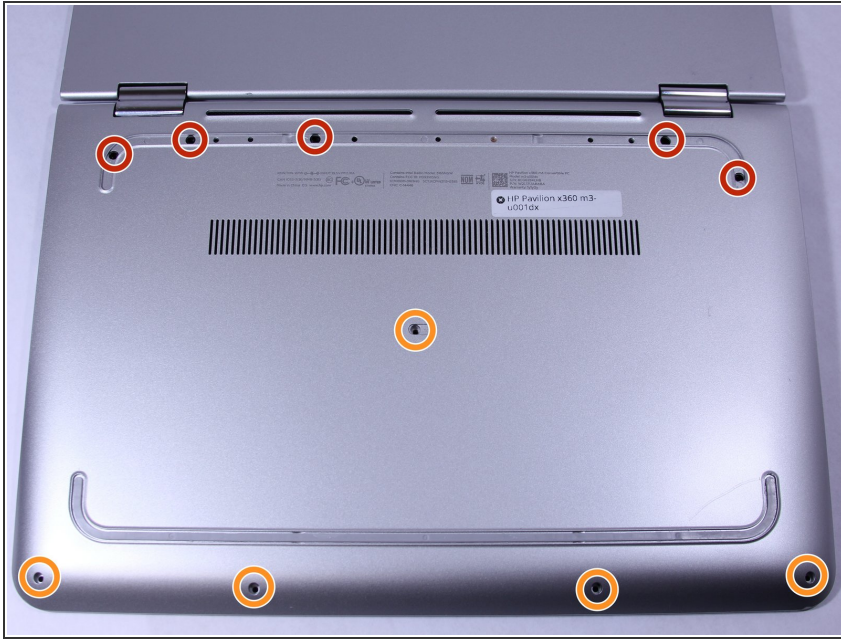
- Shut down the computer.
 - Disconnect the power and all external devices connected to the computer.
- ⚠ Working on your device while it is turned on may result in electric shock.

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
 - ① 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.

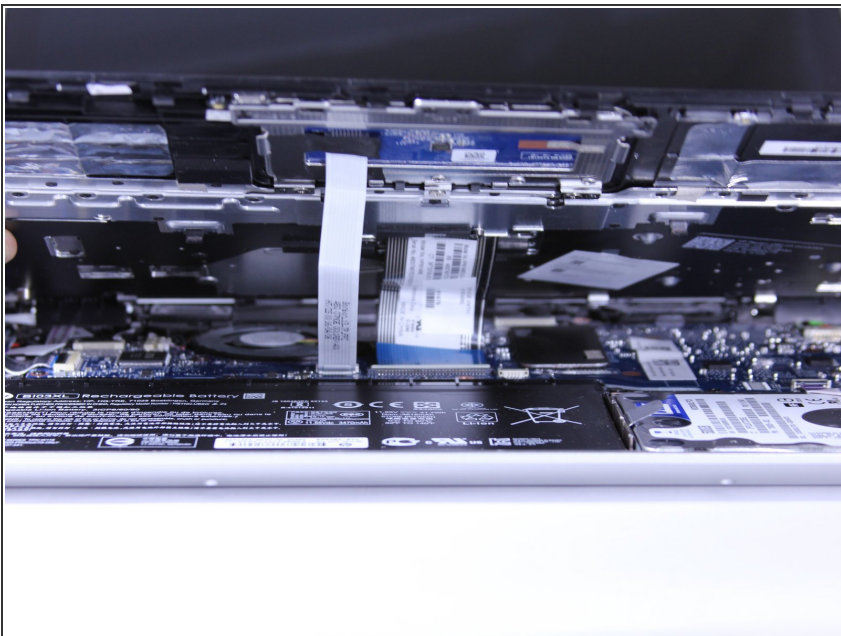
Step 5




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

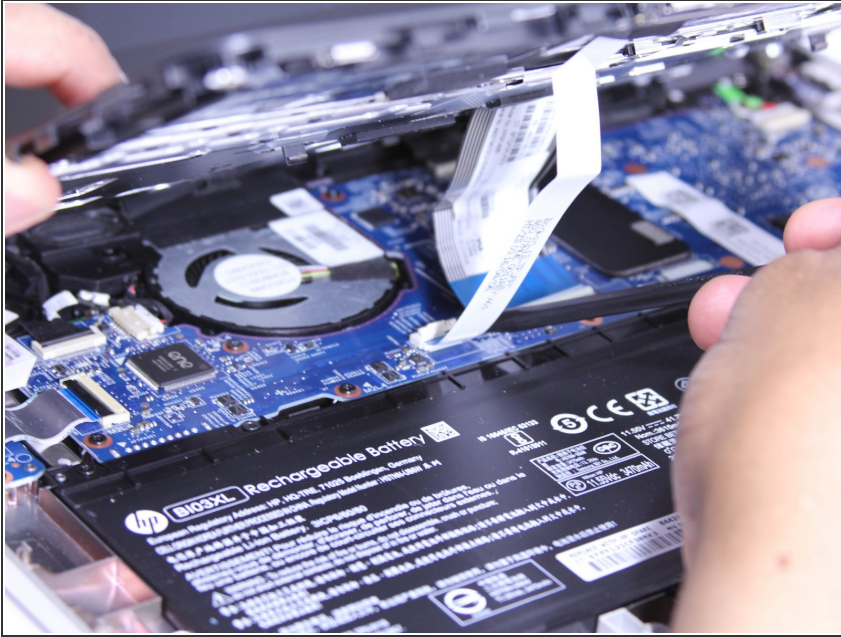
- Use the Plastic Opening Tool to separate the keyboard from the base of the laptop.

Step 6



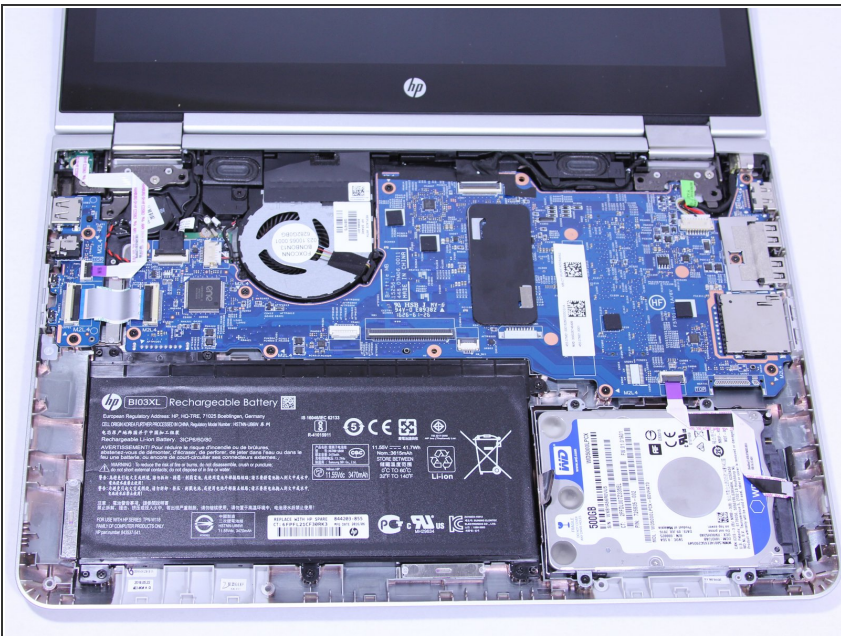
- Raise the keyboard slightly to access the touch pad and keyboard cables.
-  Raising the keyboard too far or with excessive force may cause damage to the keyboard, touch pad cables, or their connectors.

Step 7



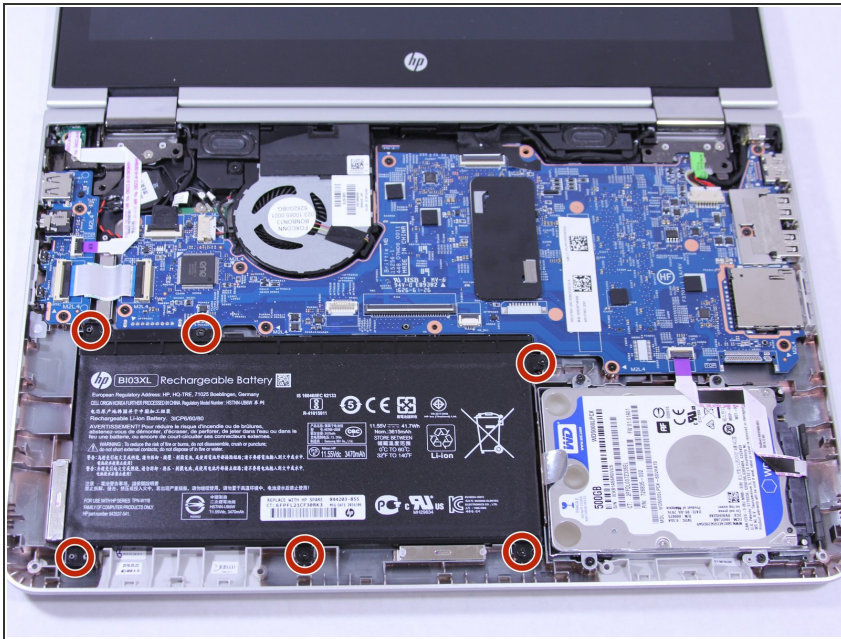
- Disconnect the ribbon cables attaching the touch pad and keyboard to the system board (motherboard).
- Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
- Use the blue plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 8



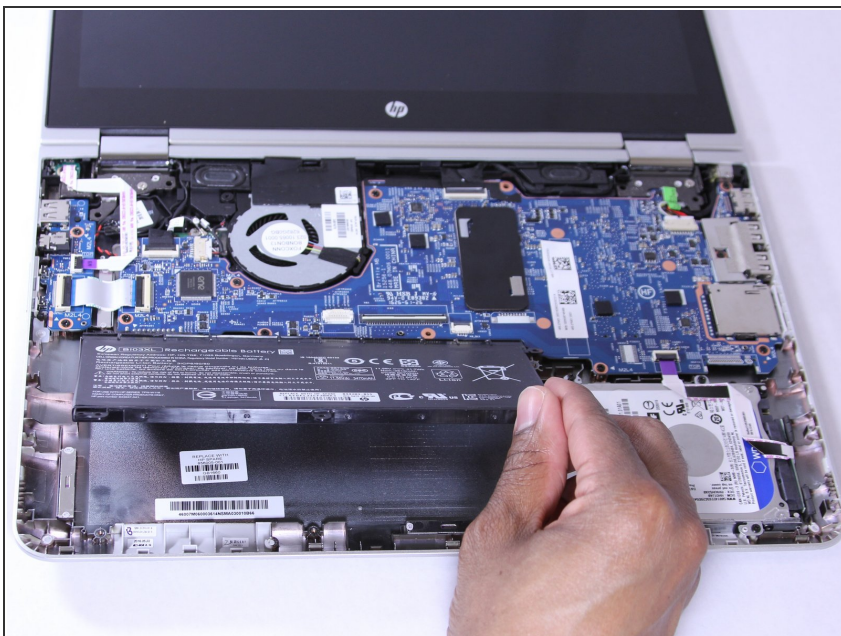
- Lift the keyboard away from the base of the laptop.

Step 9 — Battery



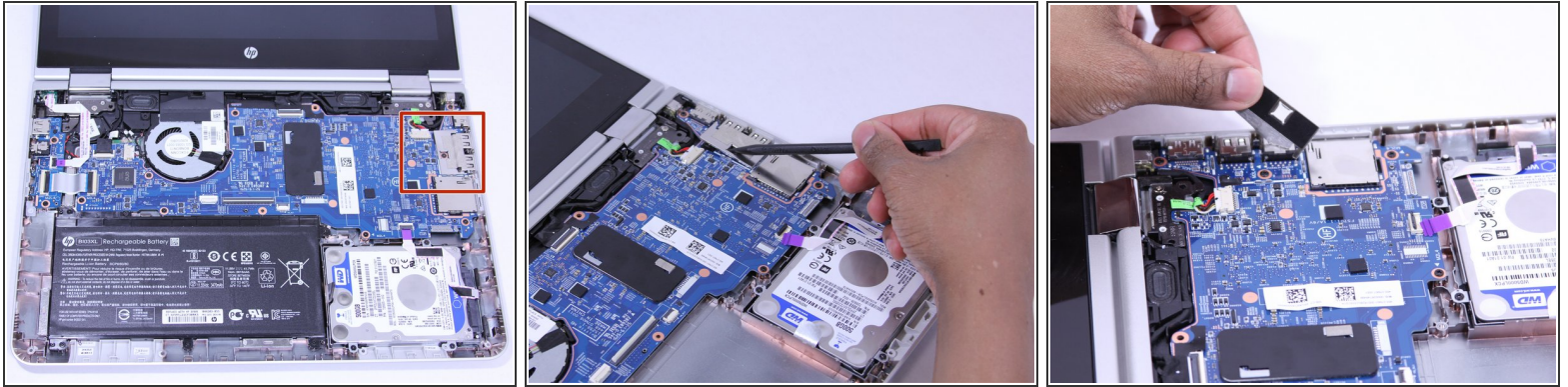
- Using the Phillips 00 Screwdriver, remove 6 Phillips 2.0 x 4.6 mm screws from the perimeter of the battery.
- ⓘ Make special note of each screw and screw lock size and location during removal and replacement.

Step 10



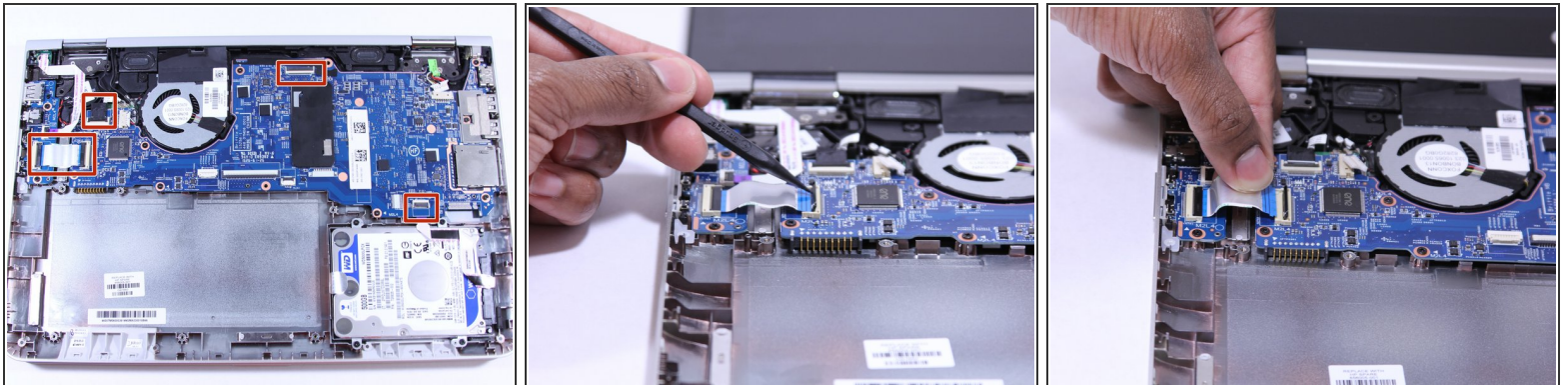
- ⚠ Carefully lift the battery up from lower right corner and disconnect it from the motherboard.

Step 11 — USB Port Shield



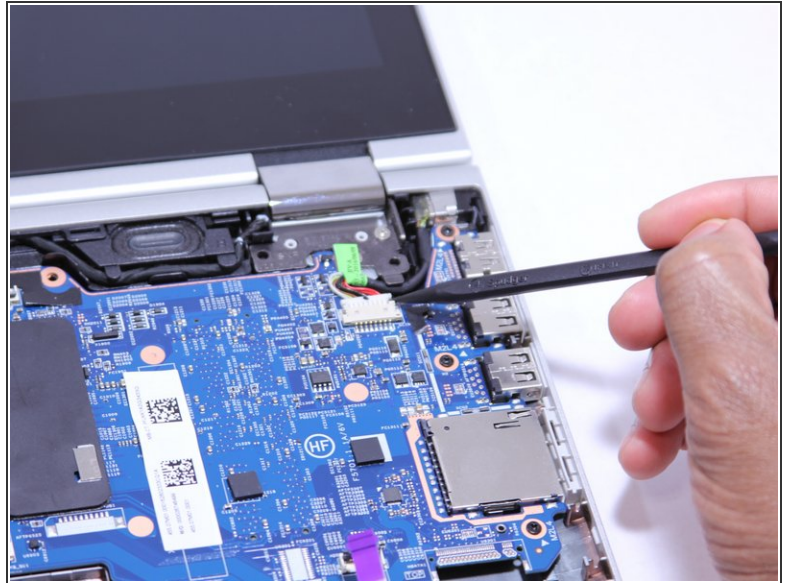
- (You don't NEED to remove this shielding as you can remove the board with it still there.)
- Remove the adhesive strip.
- Lift the shield away from the base of the laptop.

Step 12 — System Board (Motherboard)



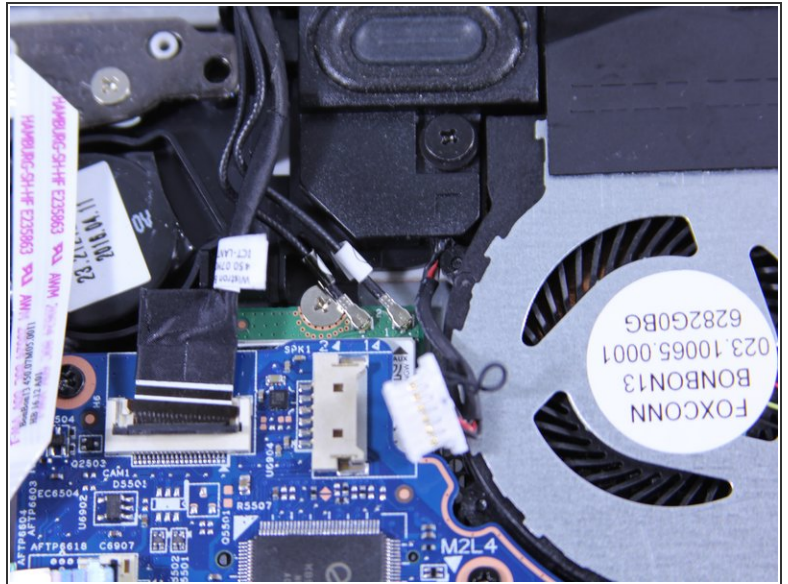
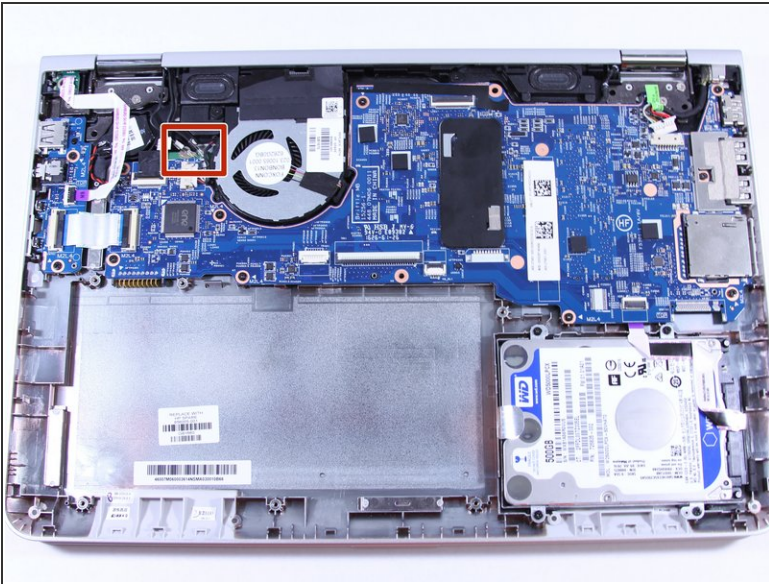
- Disconnect the ribbon cables attached to the system board (motherboard).
- Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
- Use the plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 13



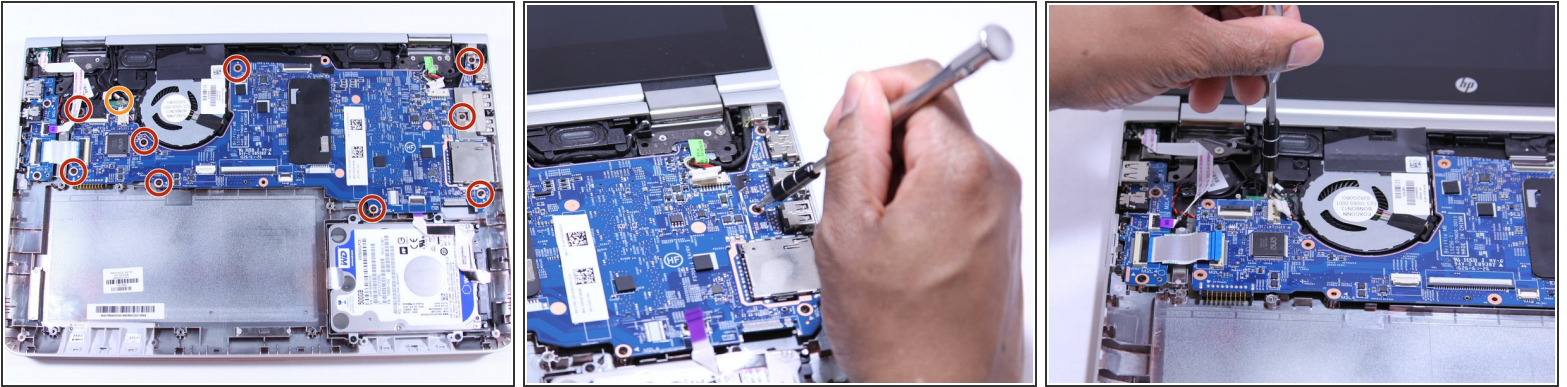
- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

Step 14



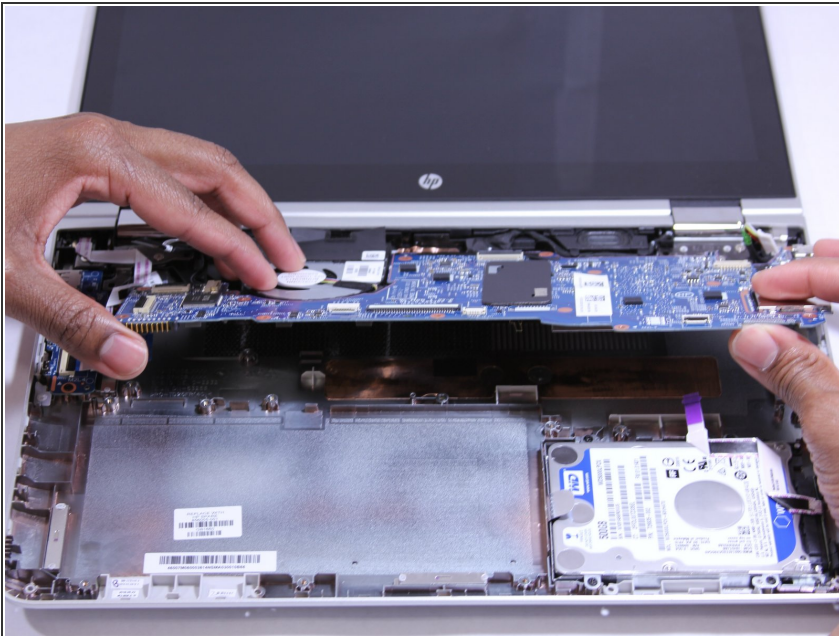
- Pull the clipped cables from system board (motherboard).

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

Step 16



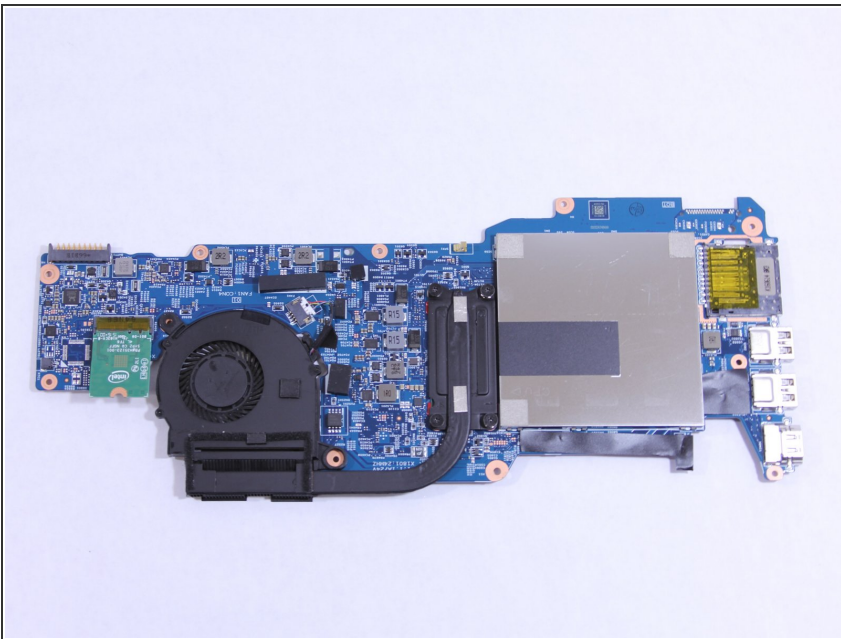
- ⚠ Carefully lift the front side of the system board (motherboard).

Step 17



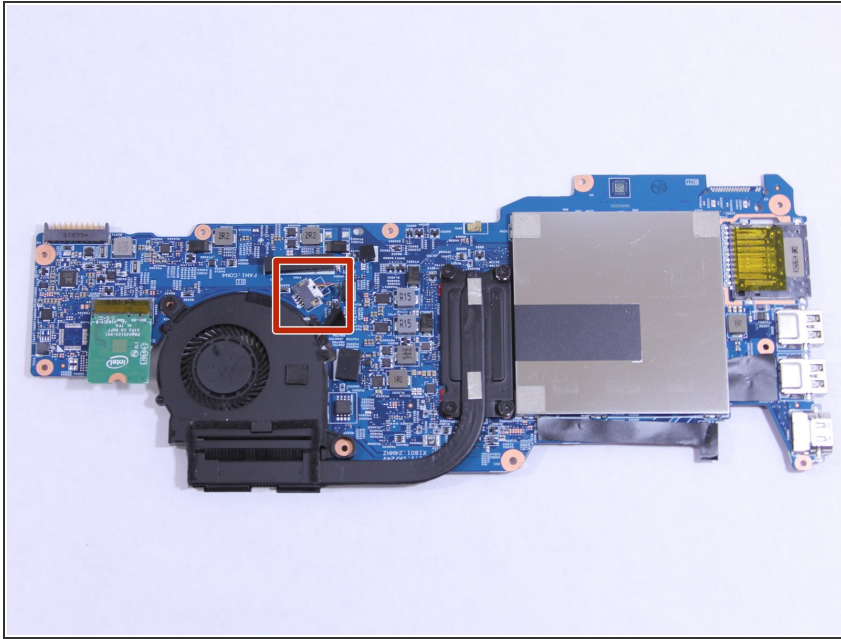
- Using a Heavy Duty Spudger, disconnect the black and red RTC battery cable on the left side of the system board (motherboard).

Step 18



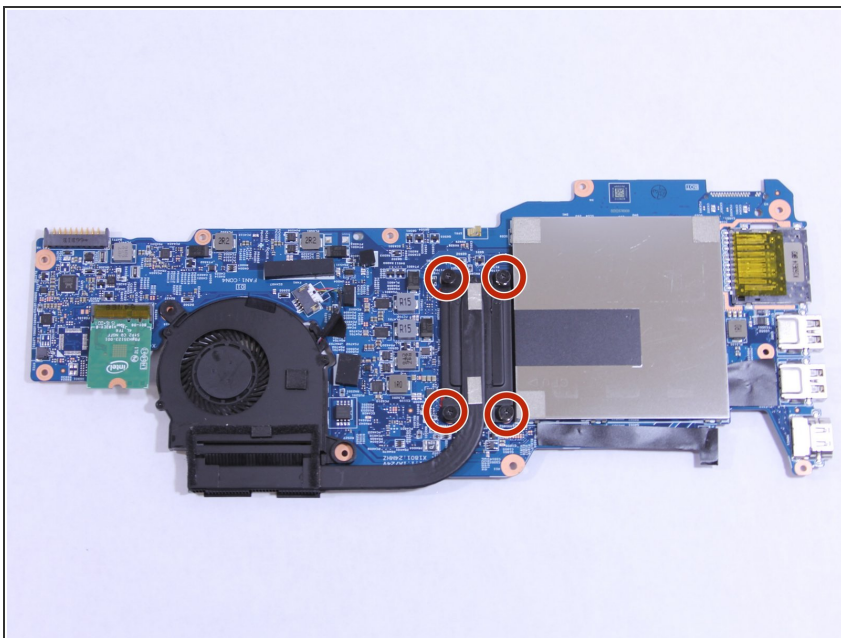
- Release the system board (motherboard) from the base enclosure.
- ⚠ Place the motherboard somewhere safe since it is the most delicate and expensive part of the laptop.

Step 19 — Fan



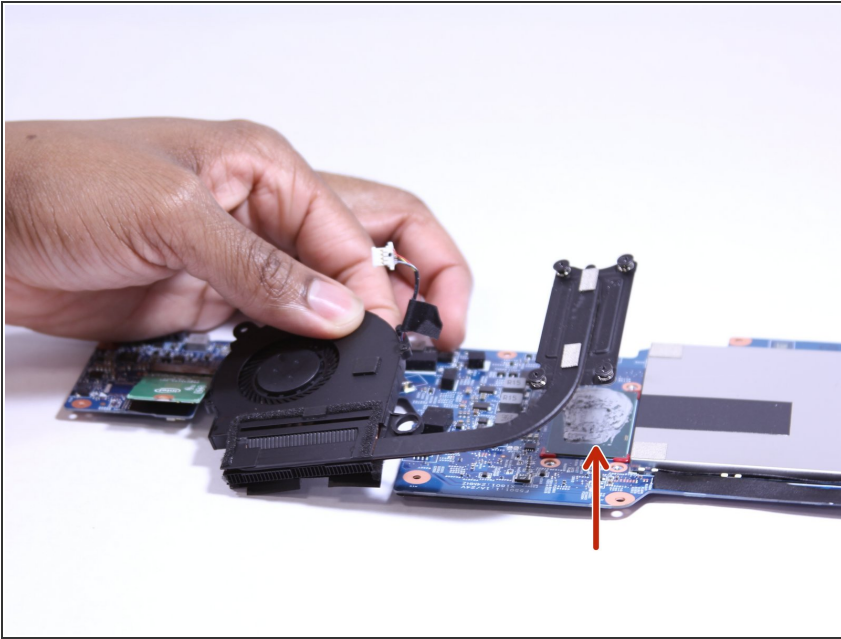
- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

Step 20



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