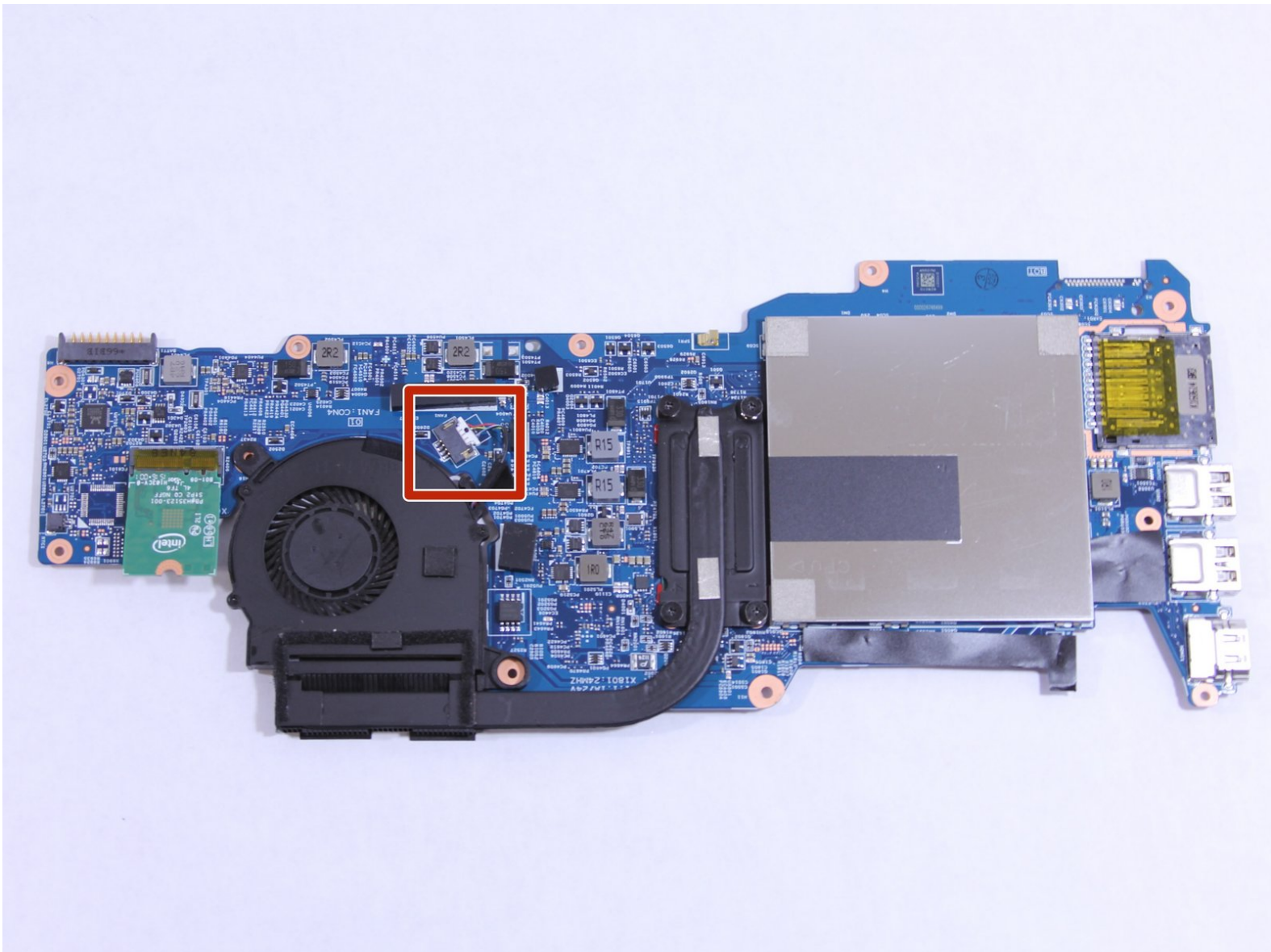# HP Pavilion x360 m3-u001dx Fan Replacement

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.
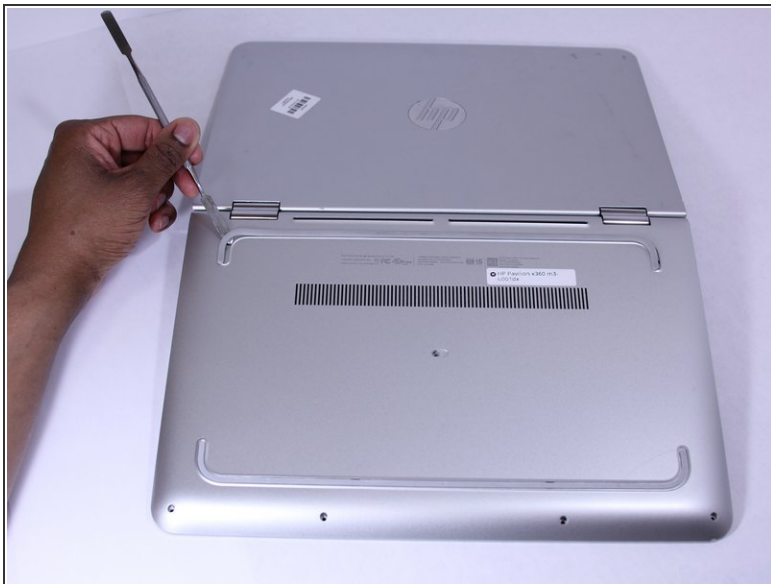
🔧 TOOLS:

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

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Step 1 — Keyboard

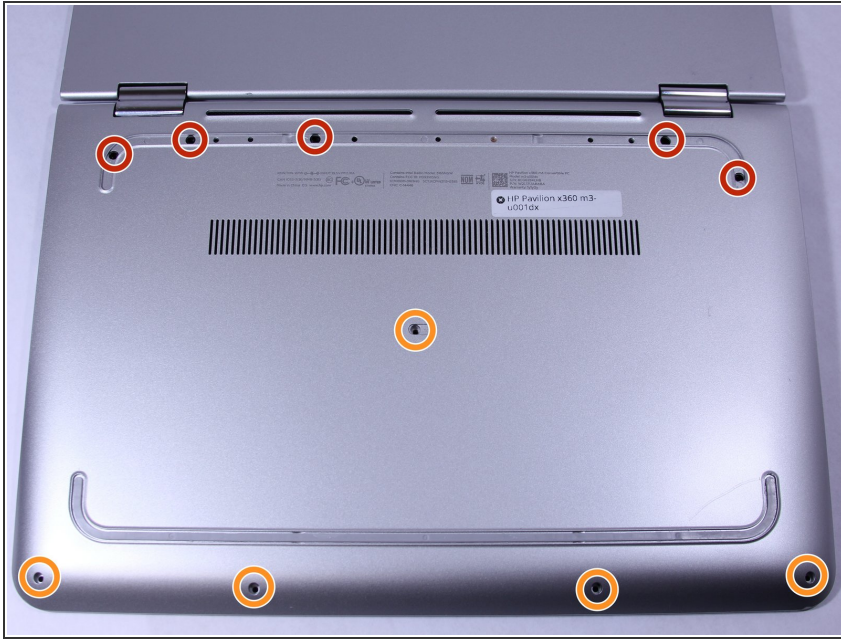- Shut down the computer.
- Disconnect the power and all external devices connected to the computer.
  ⚠️ Working on your device while it is turned on may result in electric shock.

Step 2

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

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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.
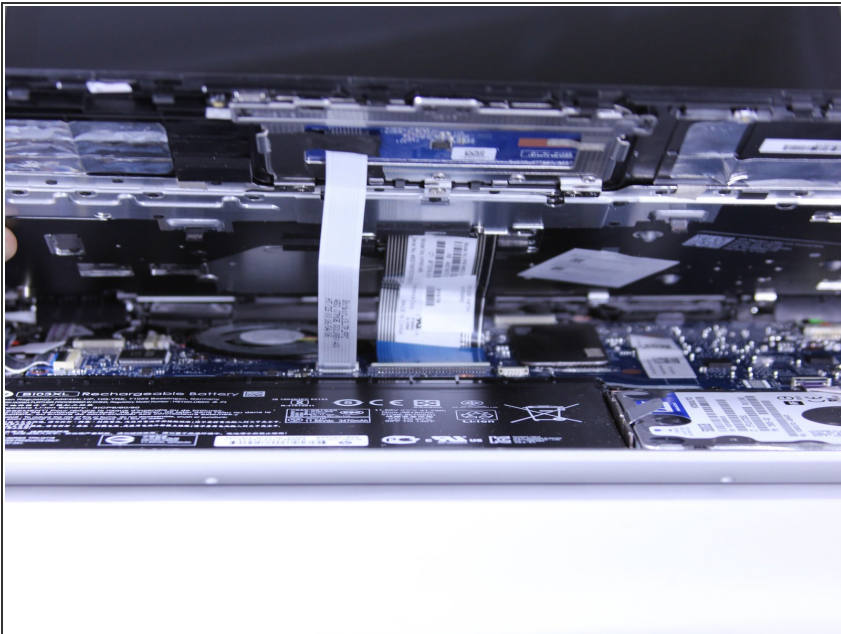
Step 5

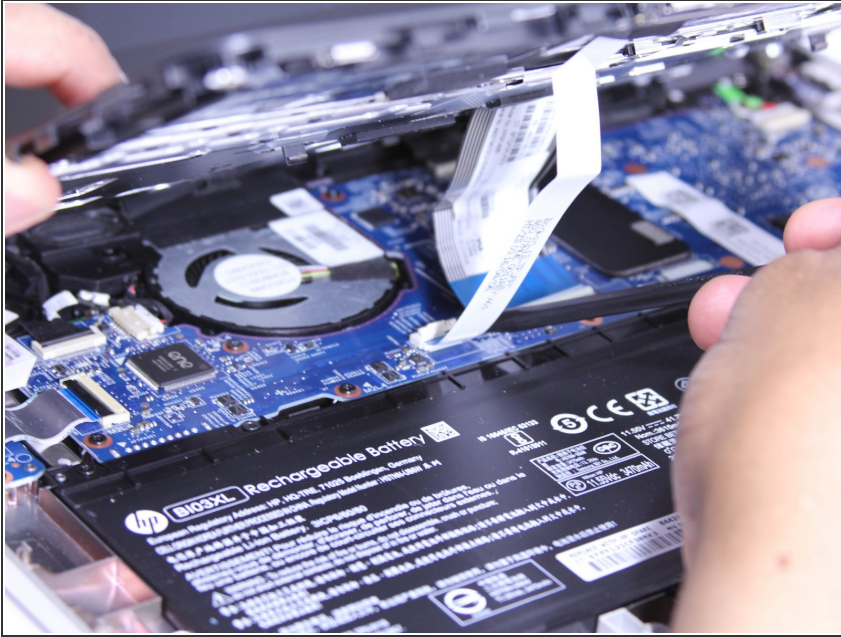⚠️ The keyboard is attached internally by clips. Use a small amount of force when removing the keyboard.

● 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.
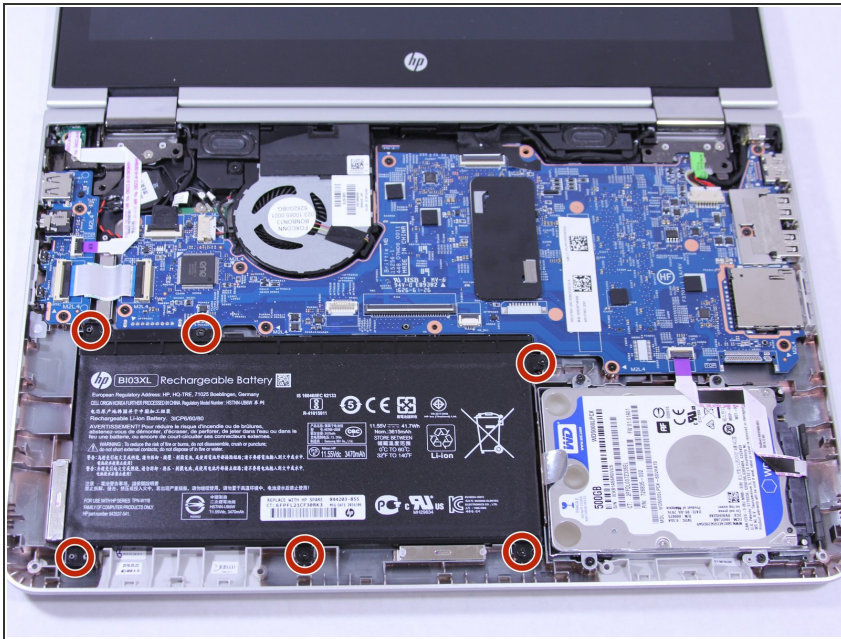
Step 8

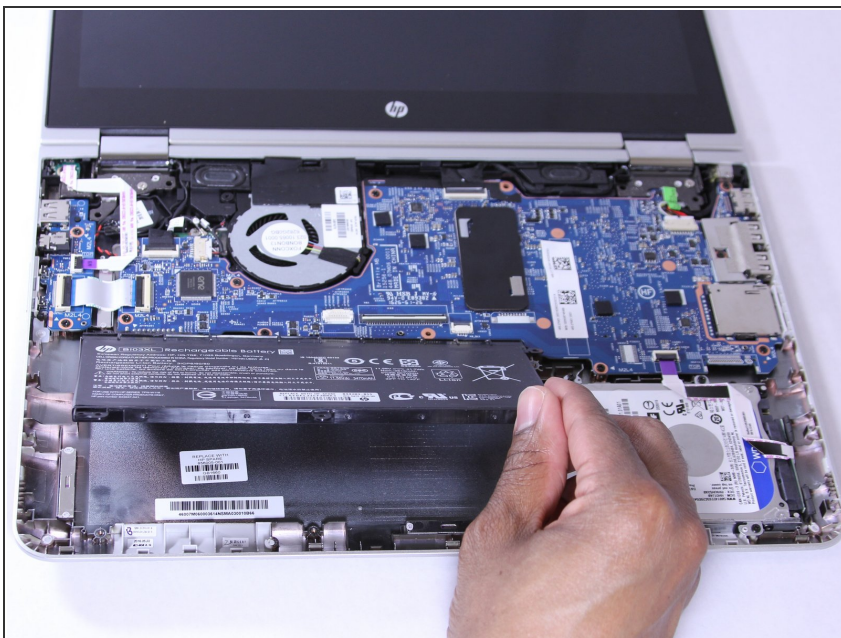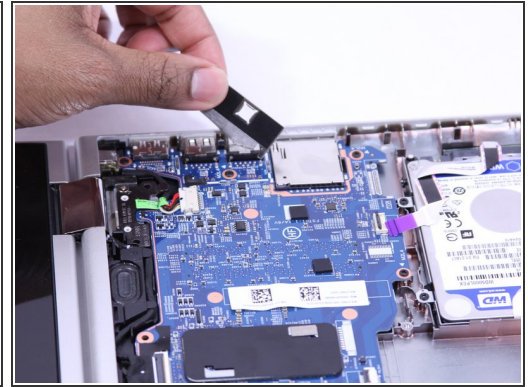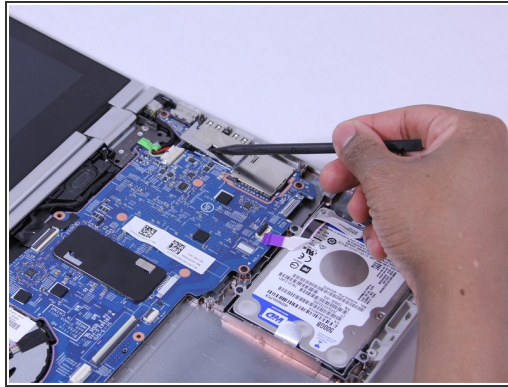- Lift the keyboard away from the base of the laptop.
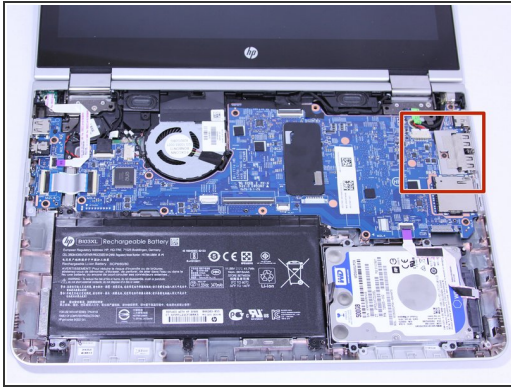
Step 9 — Battery

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

  - (i) Make special note of each screw and screw lock size and location during removal and replacement.
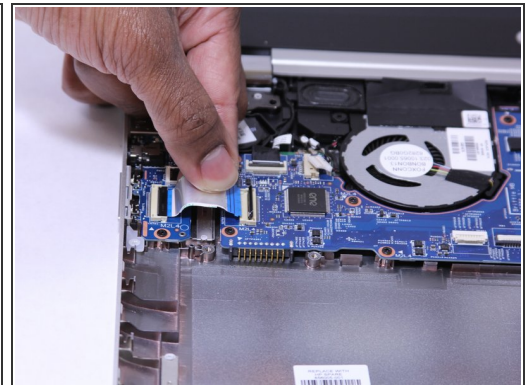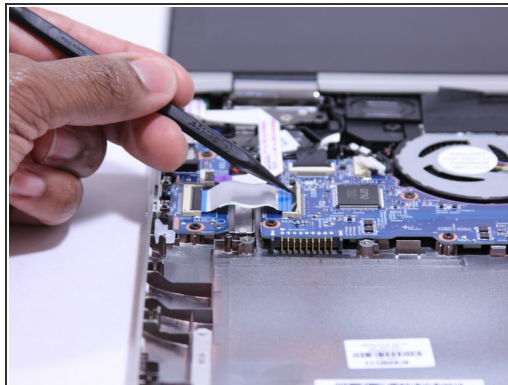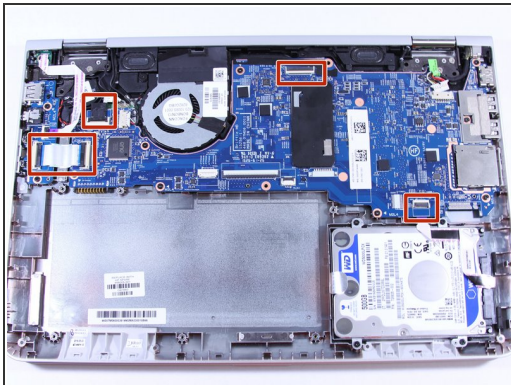
Step 10

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

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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.

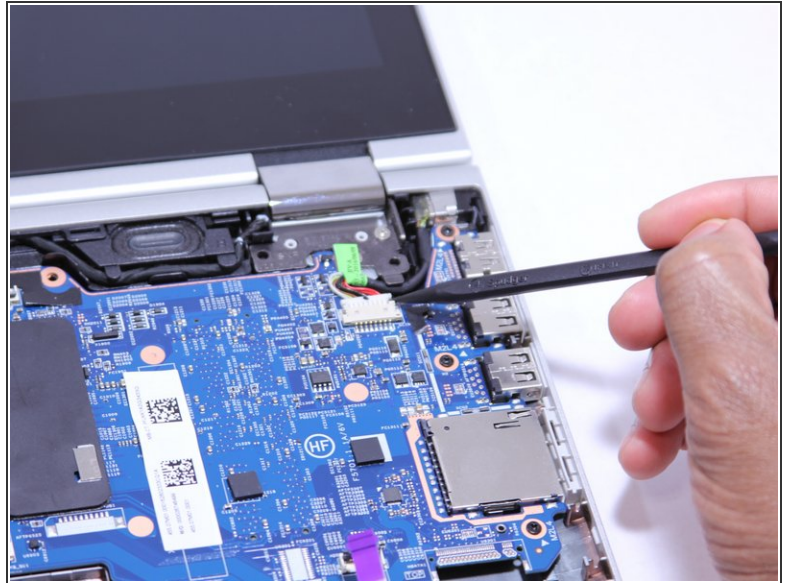- Lift the shield away from the base of the laptop.

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.
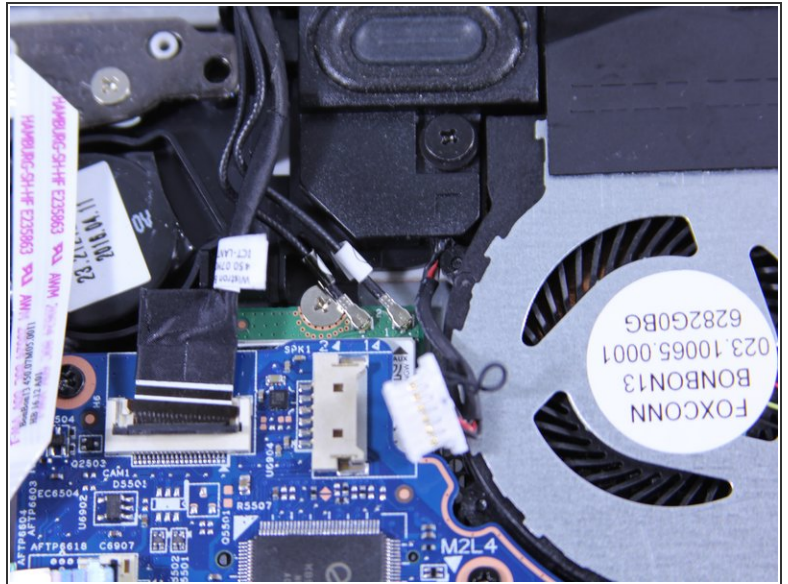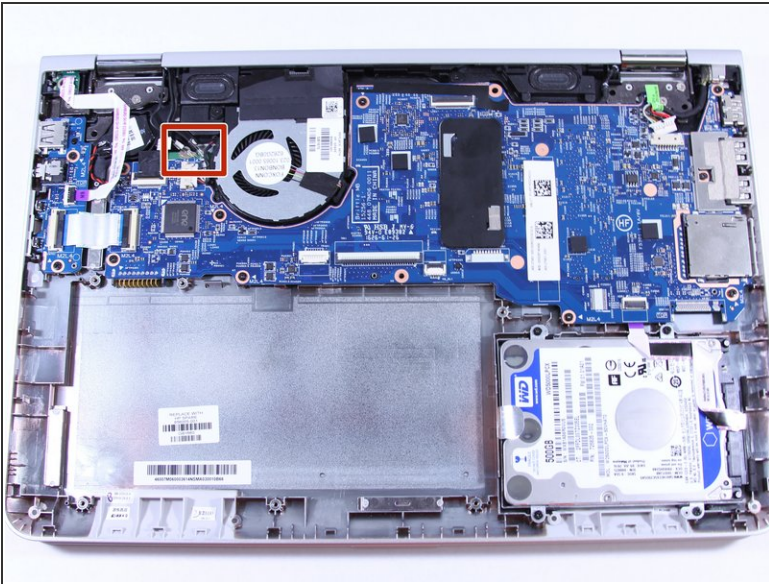
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Step 13

- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.
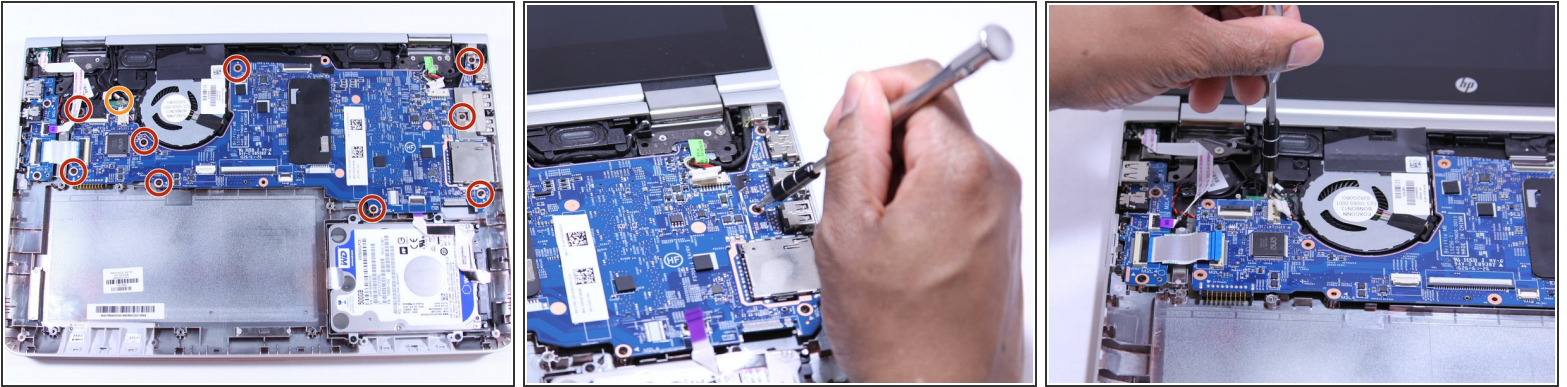
Step 14

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

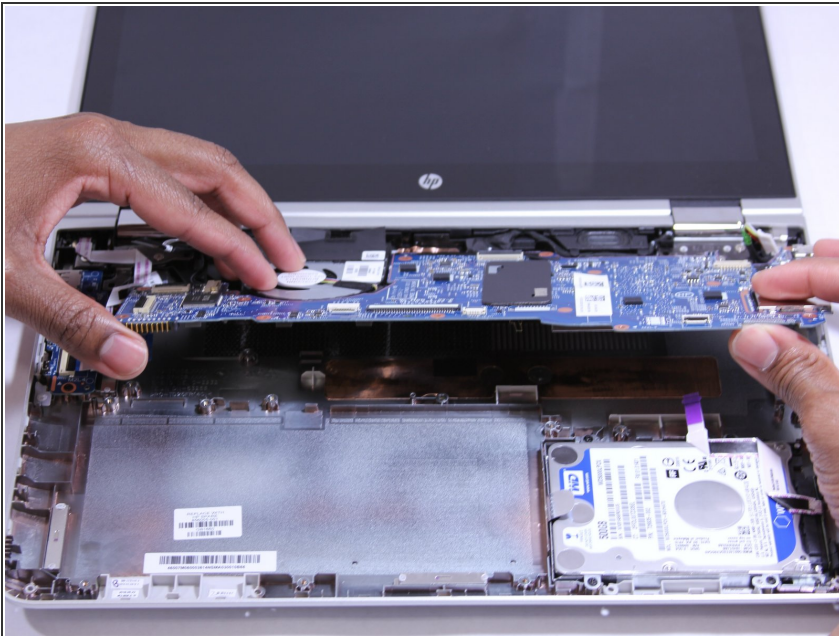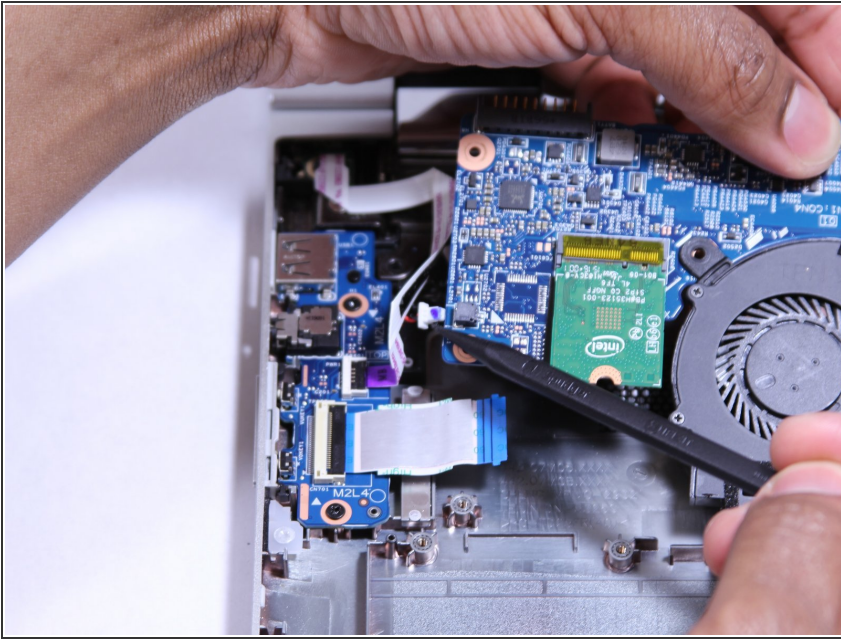This document was generated on 2020-11-19 04:46:40 PM (MST).

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.
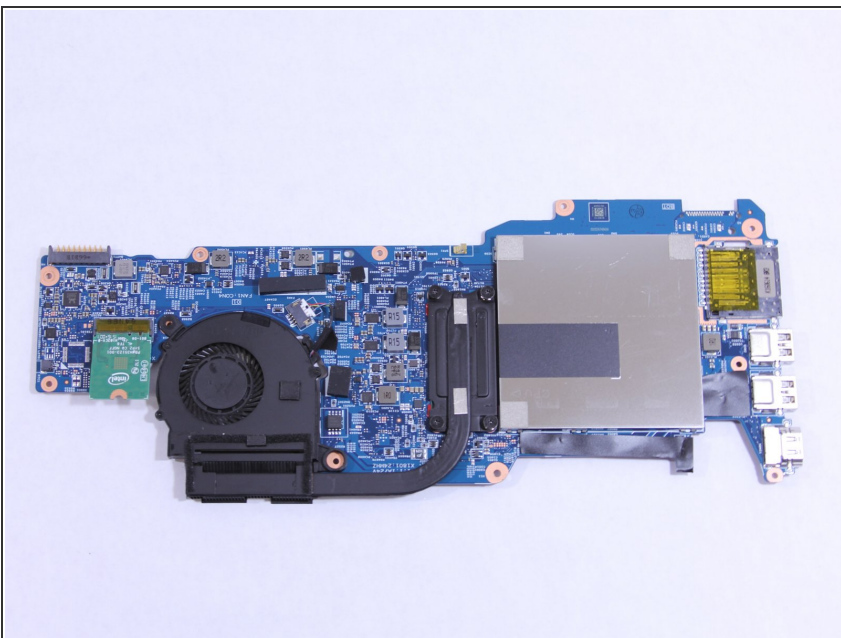
Step 16

⚠ 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).
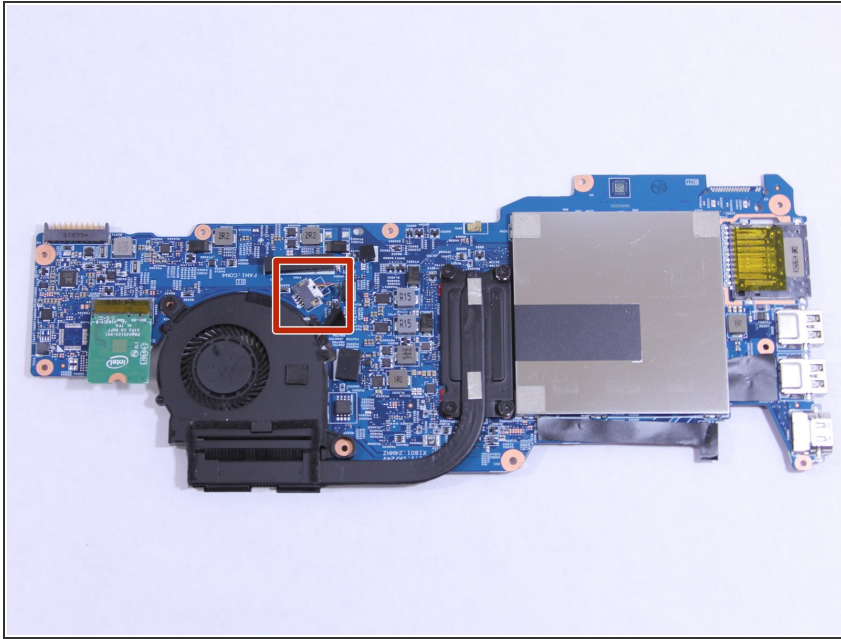
Step 18

- 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.
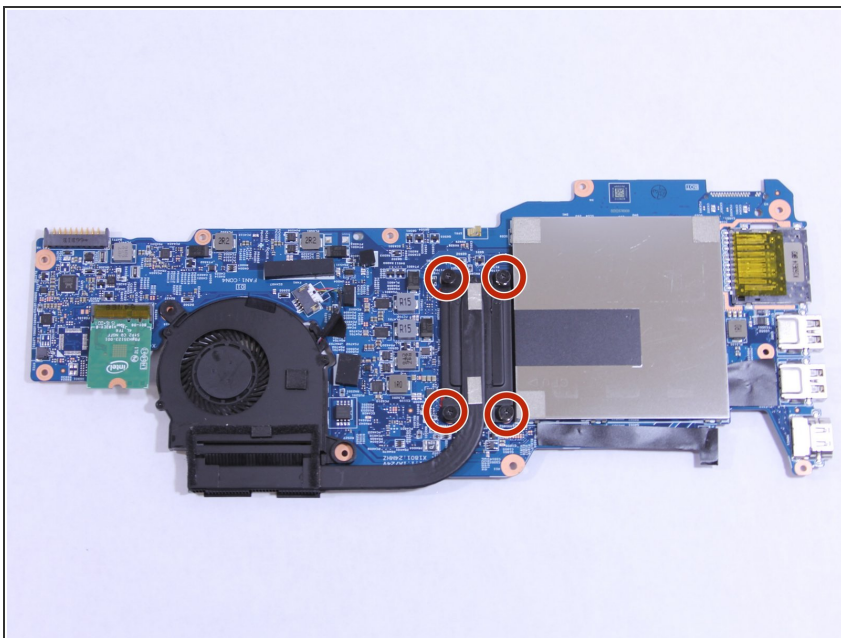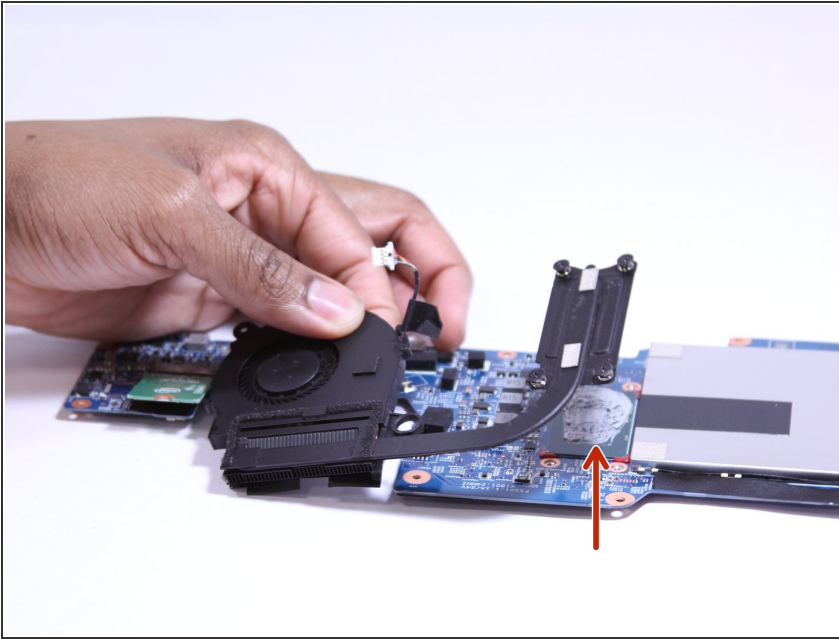
Step 19 — Fan

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

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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.