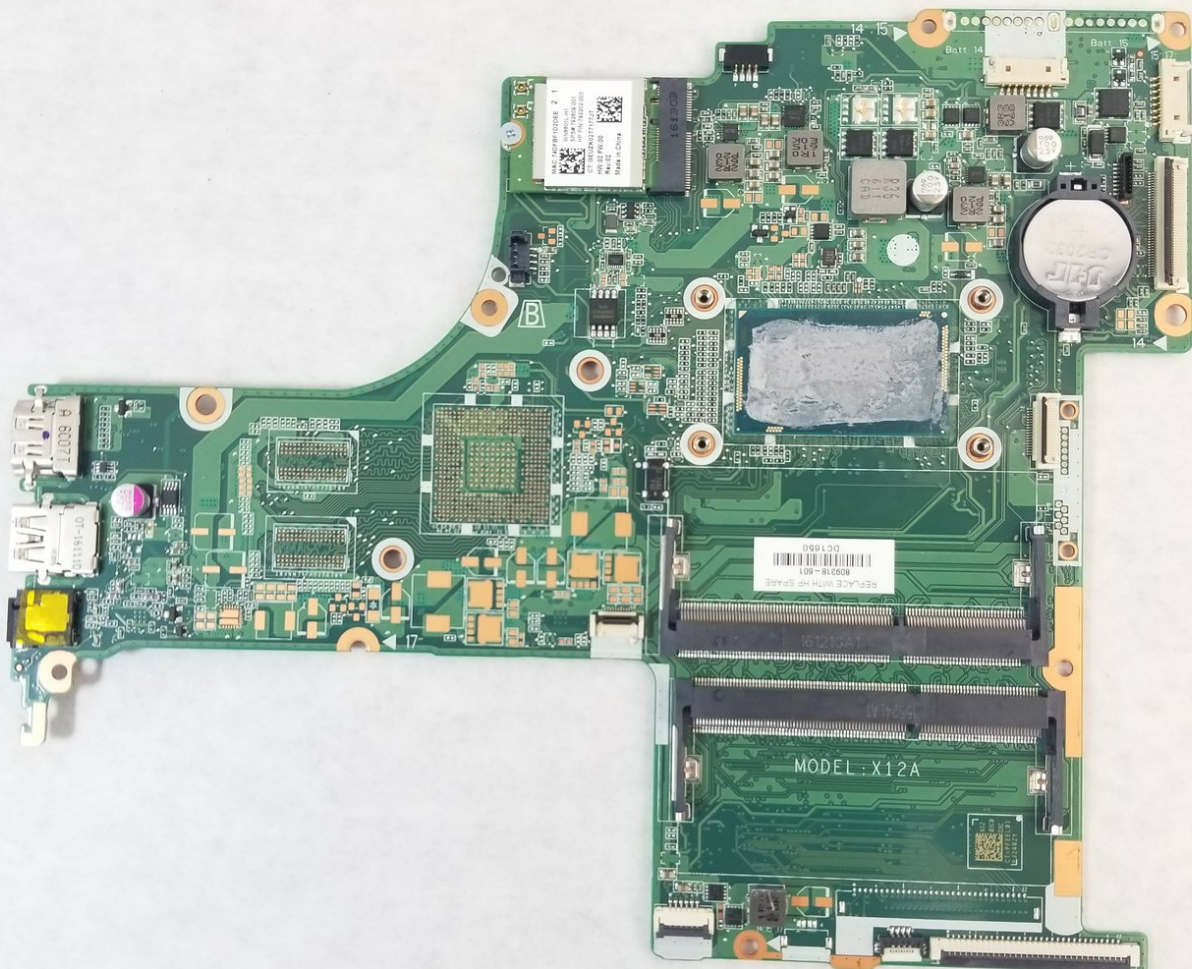




# HP Pavilion 17-g192dx Motherboard Replacement

The motherboard allows the RAM, CPU, and other laptop components to communicate. Since, the motherboard is so important replacement is crucial

Written By: Dominic Perito



## INTRODUCTION

The motherboard allows the RAM, CPU, and other laptop components to communicate. Since, the motherboard is so important replacement is crucial to the laptops performance

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### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
  - [Metal Spudger](#) (1)
  - [iFixit Opening Tools](#) (1)
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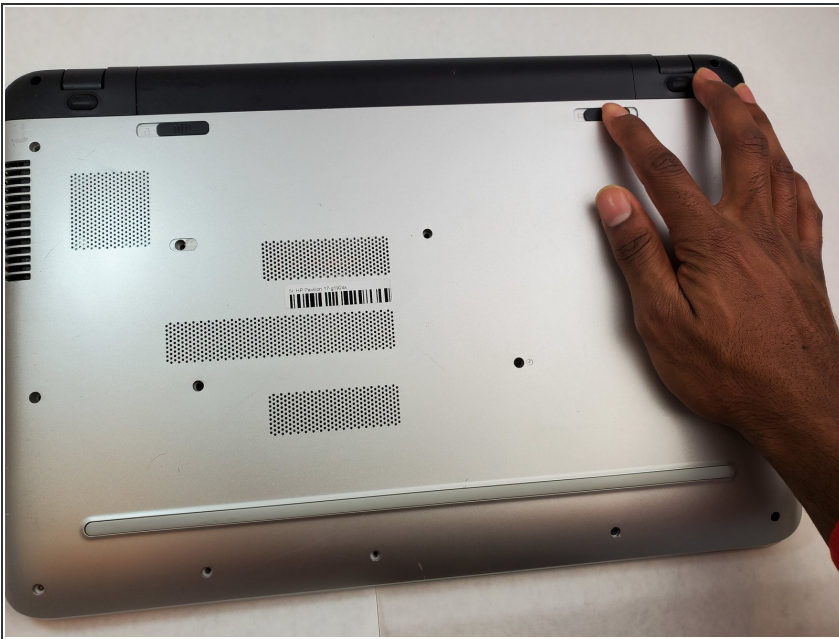
## Step 1 — Battery



⚠ Turn off the laptop.

- Slide the battery lock to the right until you see the open lock symbol.

## Step 2

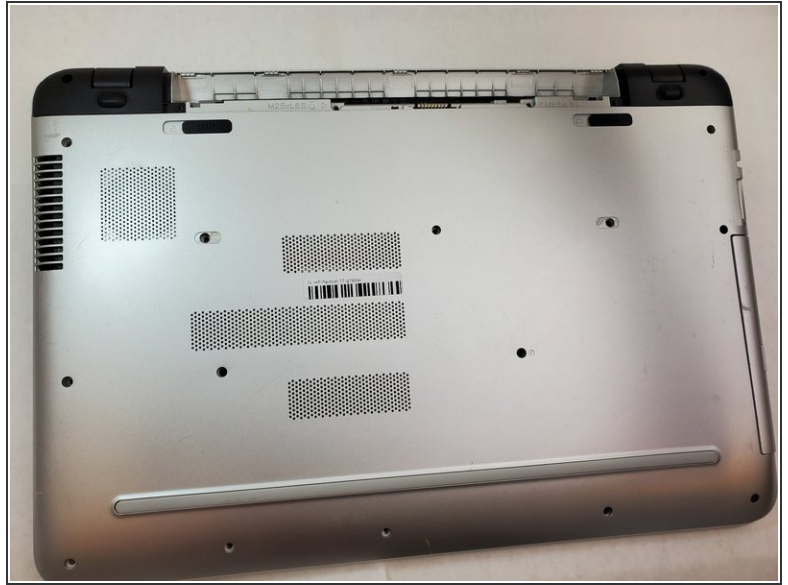
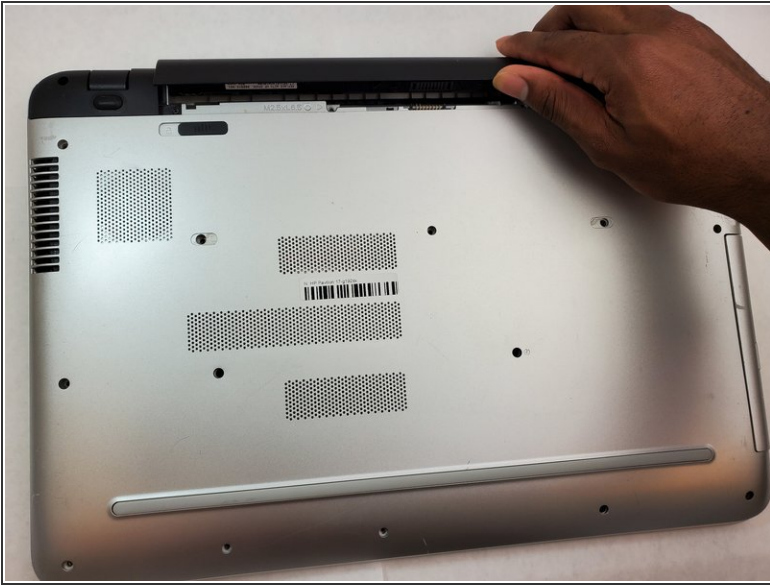


- Slide the battery release to the left until the battery pops up.

ⓘ This may require significant force.

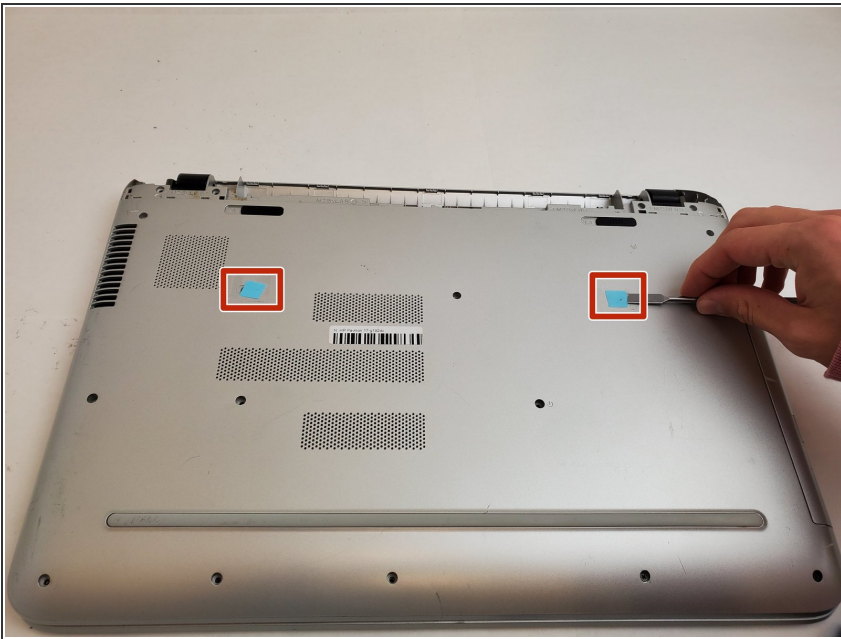


### Step 3



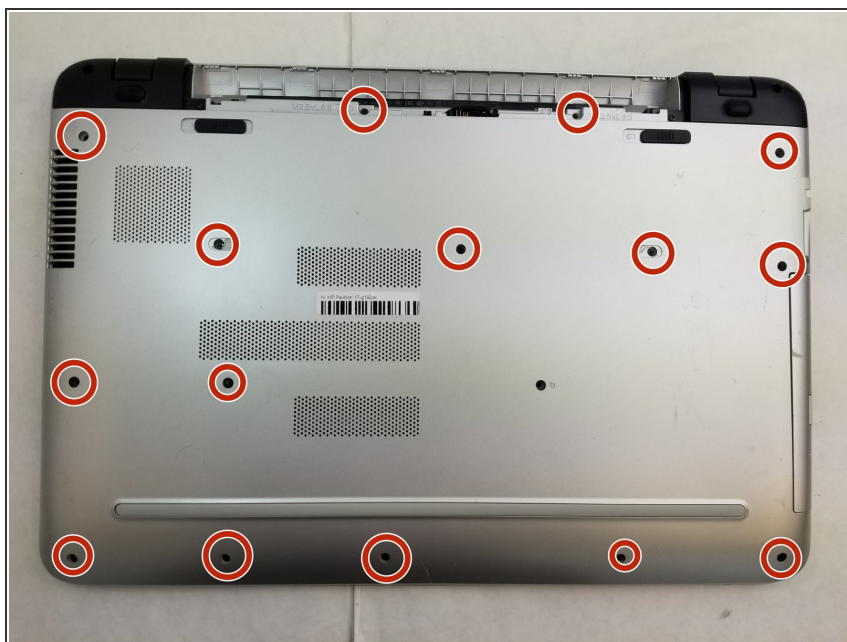
- Lift the battery up.

### Step 4 — HP Pavilion 17-g192dx Disassembly



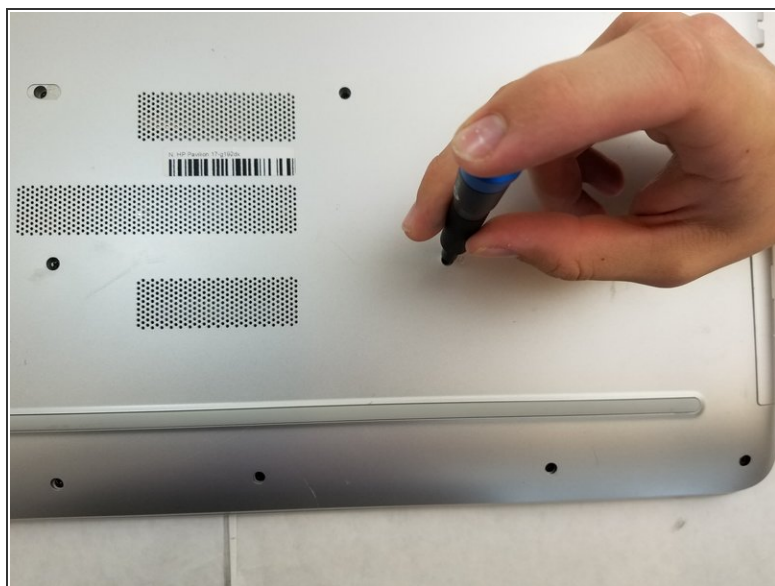
- Using the metal spudger, pry up the screw covers.

## Step 5



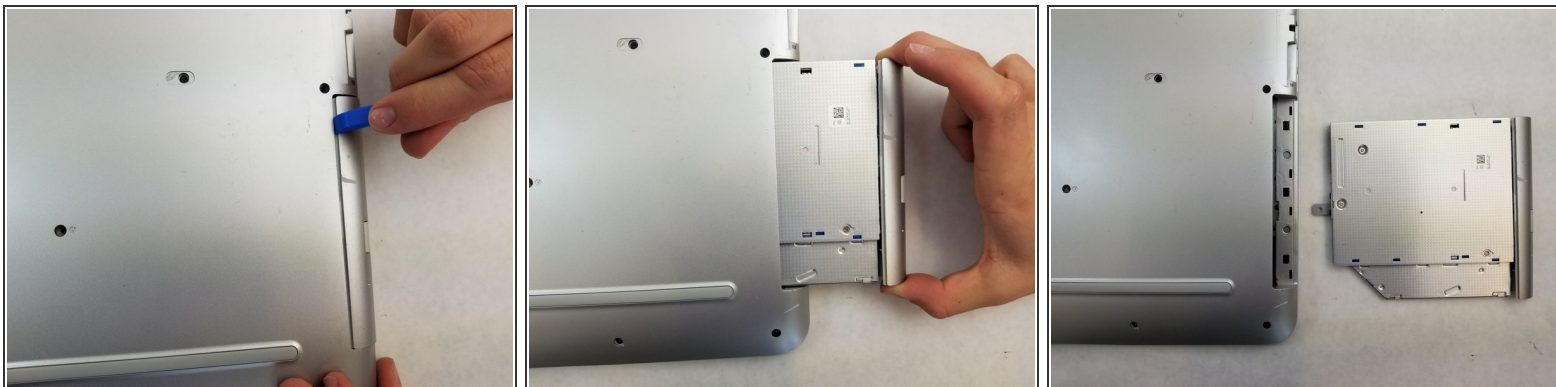
- Remove the fifteen 7mm screws holding the back casing on using the Phillips #00 screwdriver.

## Step 6



- Remove the 7mm screw holding the disc drive in place using the Phillips #00 head screwdriver.

## Step 7



- Using an iFixit opening tool, push the disc drive away from the outer case.

**i** Once the disk drive is out far enough it easily slides out.

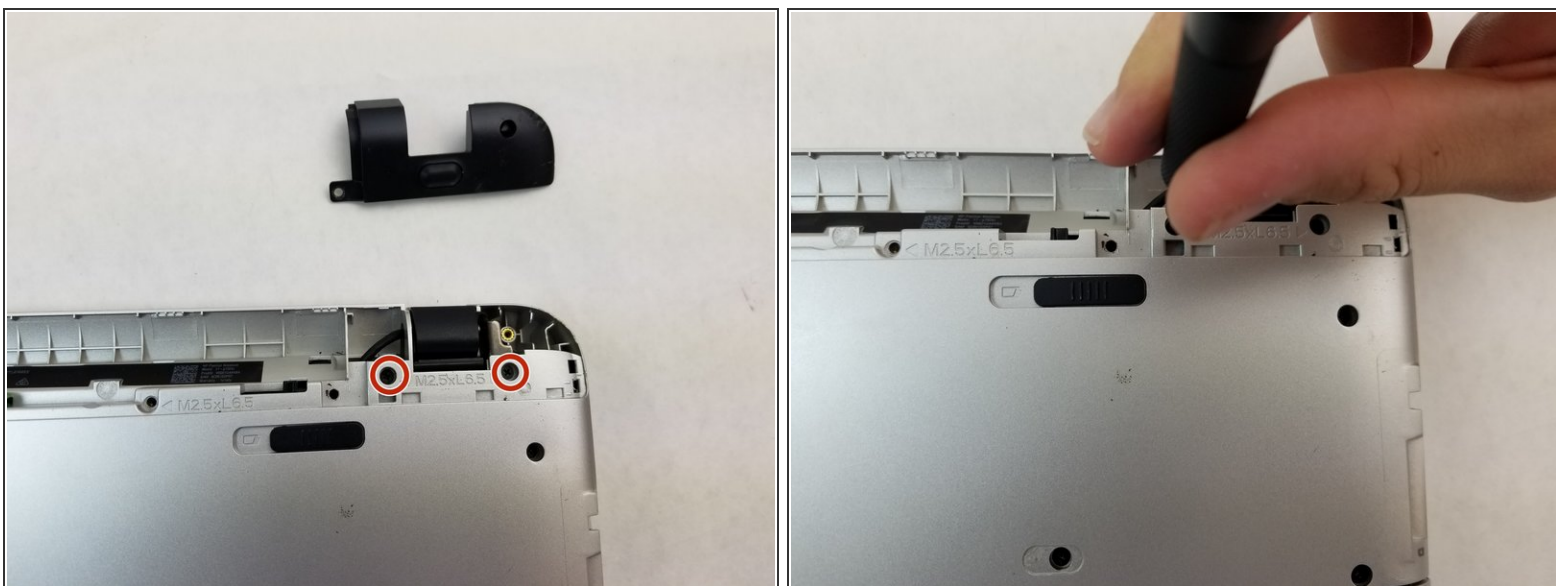
## Step 8



- Remove the four 7mm screws holding the back resting plates on using the Phillips #00 screwdriver.
- Using a metal spudger lift up on the back resting plate until it pops off.



## Step 9



- Remove the two 7 mm screws behind the plate using a Phillips #00 screwdriver.

## Step 10



- Pry up on the case with an iFixit opening tool until you can feel a snap.
- Pry around the remainder until you can separate the case from the keyboard with your hands.
- Gently separate the two.

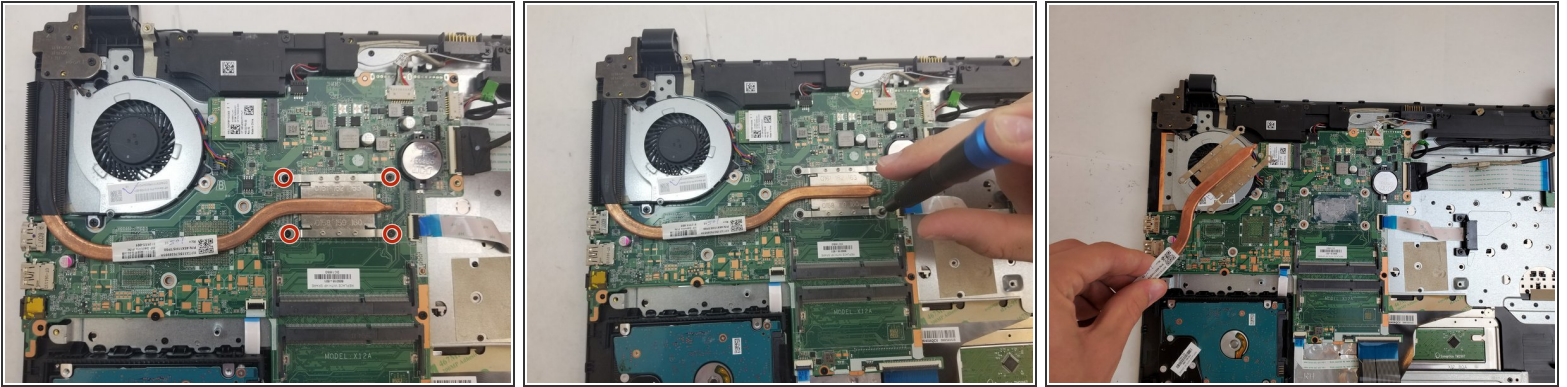
## Step 11 — RAM stick



- Use your fingers to pry the two black tabs on either side of the RAM stick outwards until the RAM swings upwards to rest at an angle.
  - Gently slide the RAM out from the port maintaining the angle at which it rests.
- ⚠ The images show the RAM stick being pried from the port without being unlocked by the tabs. Be sure to use the black tabs to release it and avoid damaging the RAM or the motherboard.
- 👉 During reinstallation, be sure to insert the RAM stick at a similar angle to which it rested after being unlocked. Then just press the stick down into place. There should be a click as the black tabs reengage to lock it in place.

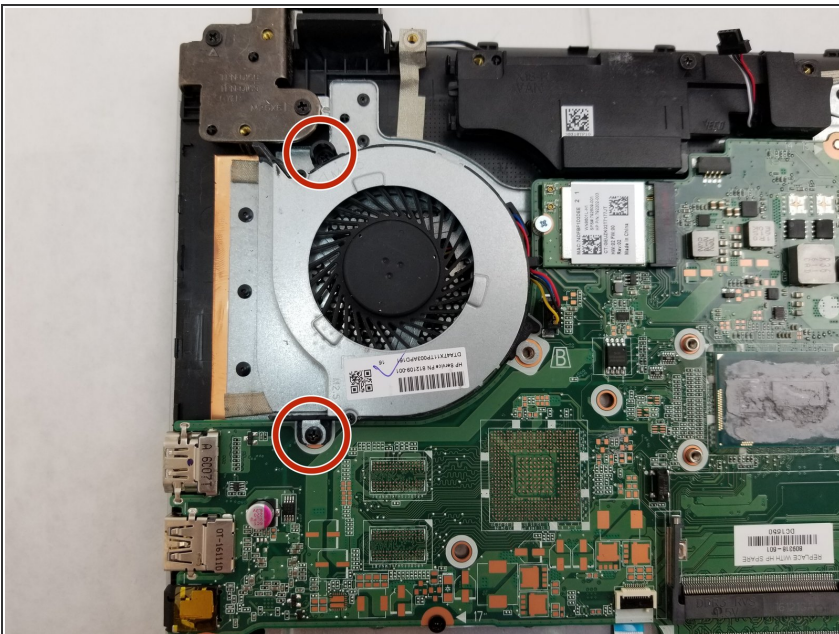


## Step 12 — Cooling Fan



- Remove the four 2mm screws on the heatsink with a Phillips #00 screwdriver.
- Remove the heatsink.
- ⓘ When setting the heatsink down, set it face down to avoid putting the thermal paste on the work surface.
- When reinstalling the heatsink, be sure to clean the contact surfaces and [reapply fresh thermal paste](#).

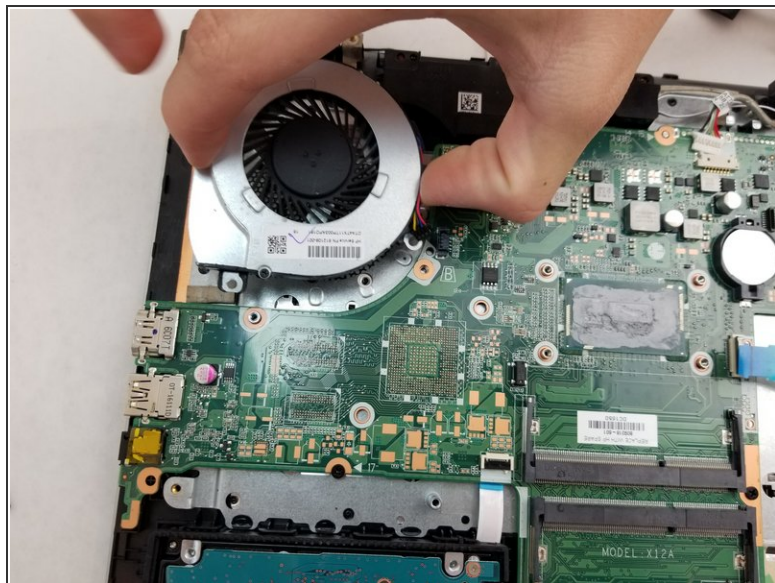
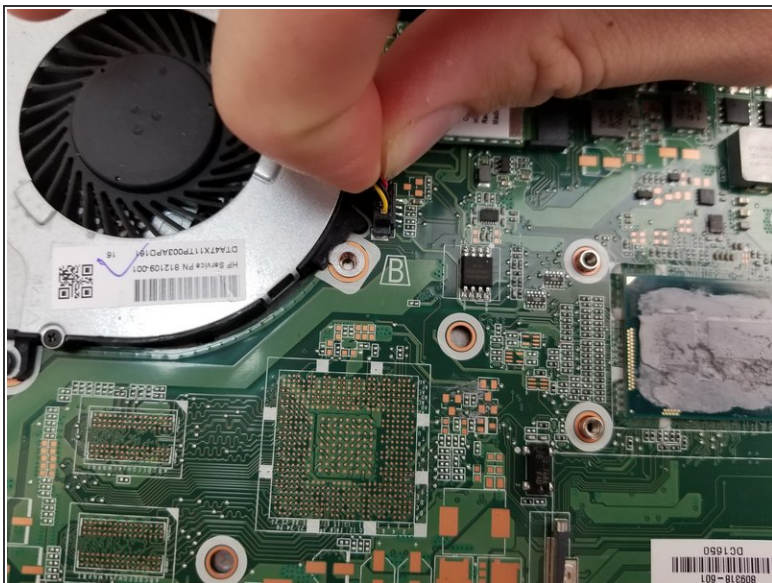
## Step 13



- Remove the two 5mm screws holding the fan in place using the Phillips #00 screwdriver.

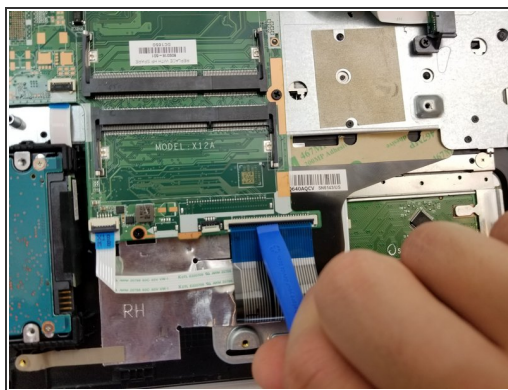
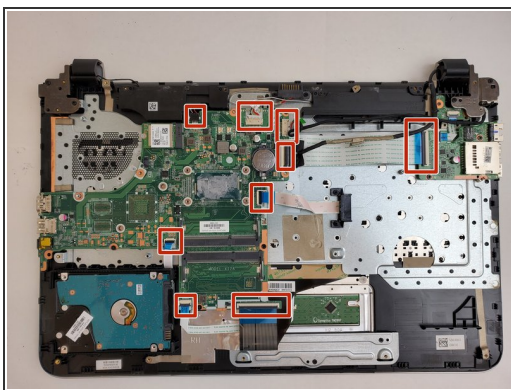


## Step 14



- Unplug the cooling fan from the motherboard.
- Remove the cooling fan.

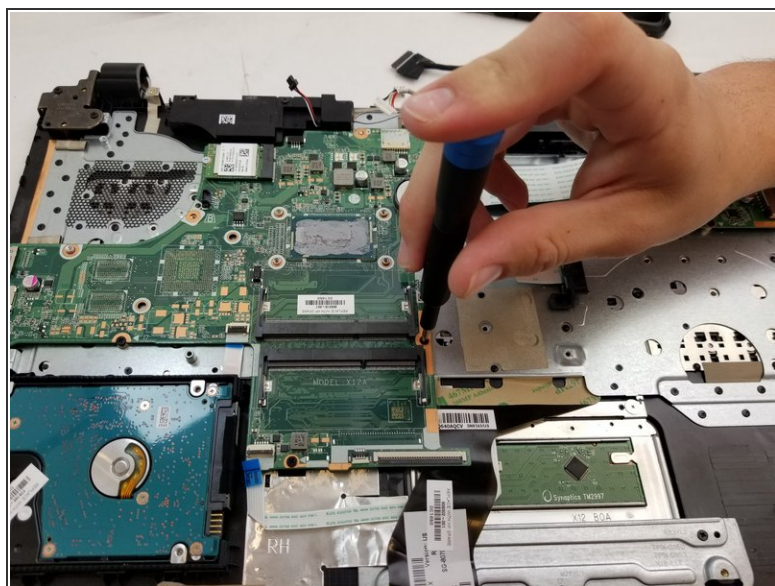
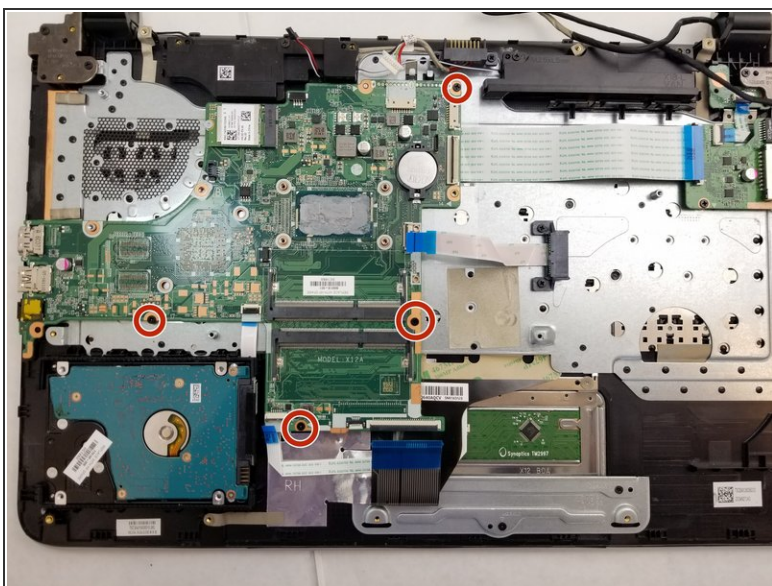
## Step 15 — Motherboard



- Unplug all wires connected to the top of the motherboard.
  - Use an opening tool to lift up the tab located on top of the wires.
- i** An opening tool will be needed for almost all of the wires.

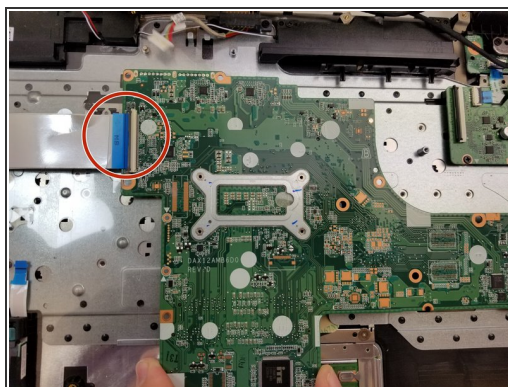
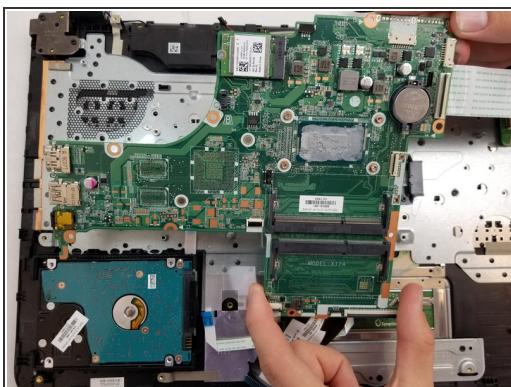


## Step 16



- Remove the four 4mm screws with a Phillips #00 screwdriver.

## Step 17



- ⚠ Double check everything is unplugged.

- Lift up the motherboard and flip it over to the backside.
- Remove the wire still attached to the back with a plastic opening tool.
- Remove the motherboard.

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

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