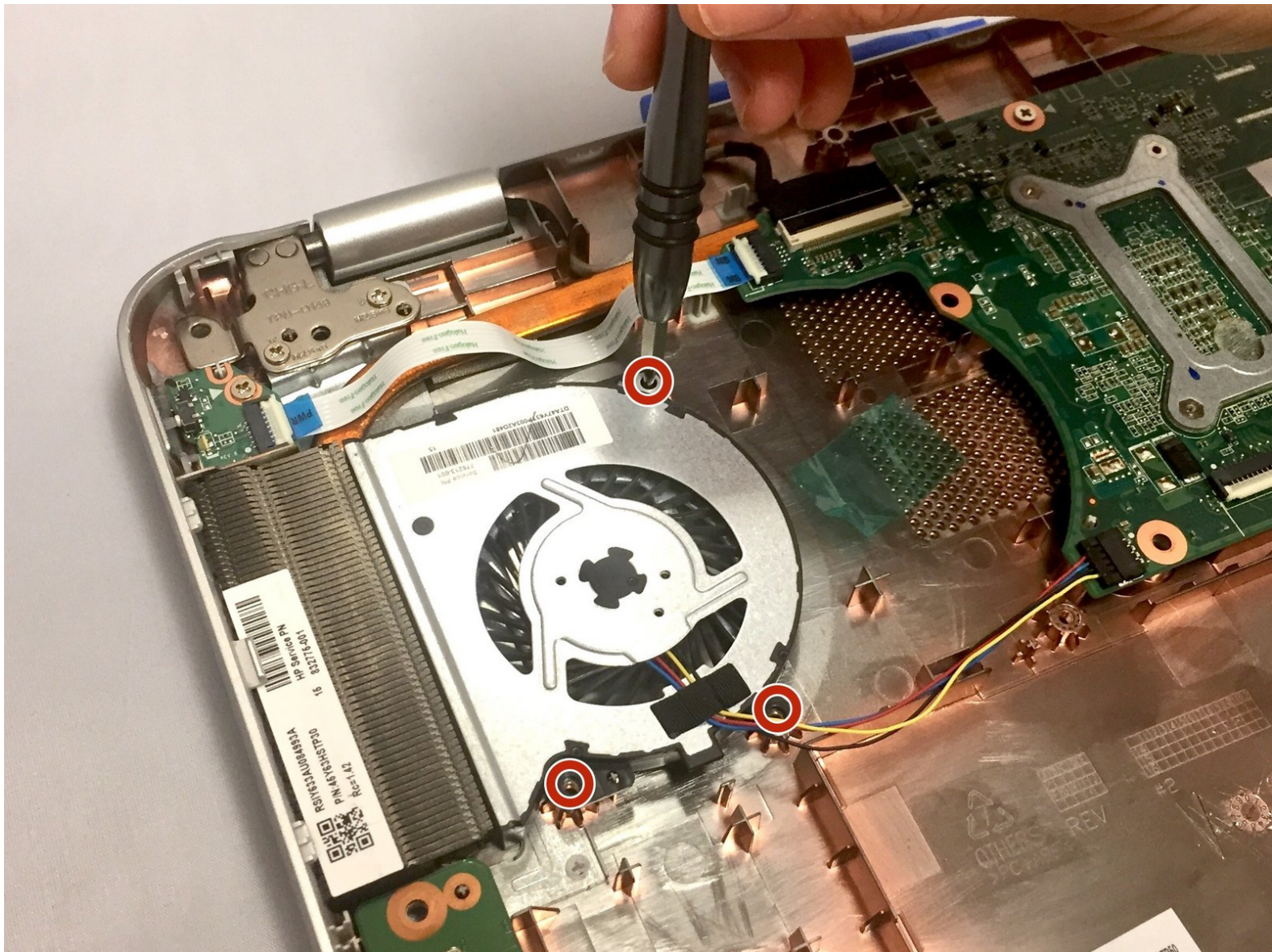




# HP Envy x360 15-u473cl Fan Replacement

Replace your broken fan to help prevent your laptop from overheating.

Written By: Maximillian McDonald



# INTRODUCTION

The fan can become jammed with debris or stop working over time, causing the device to overheat.



## TOOLS:

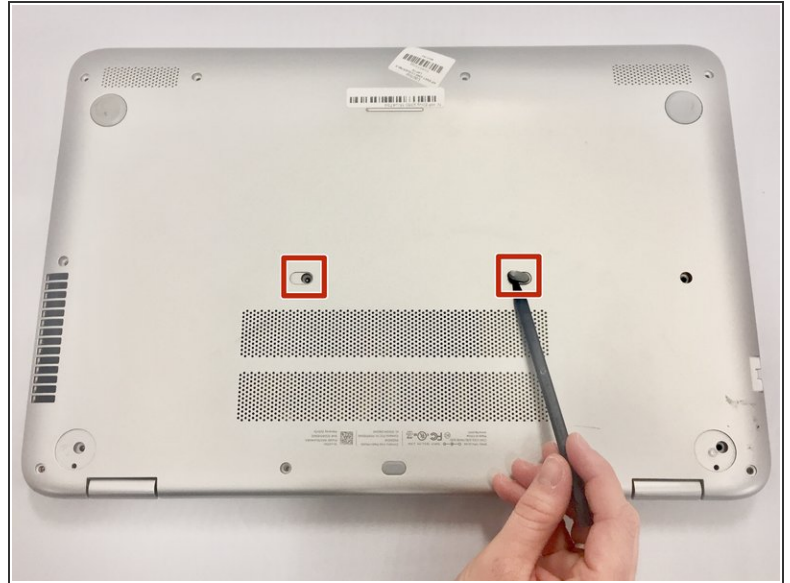
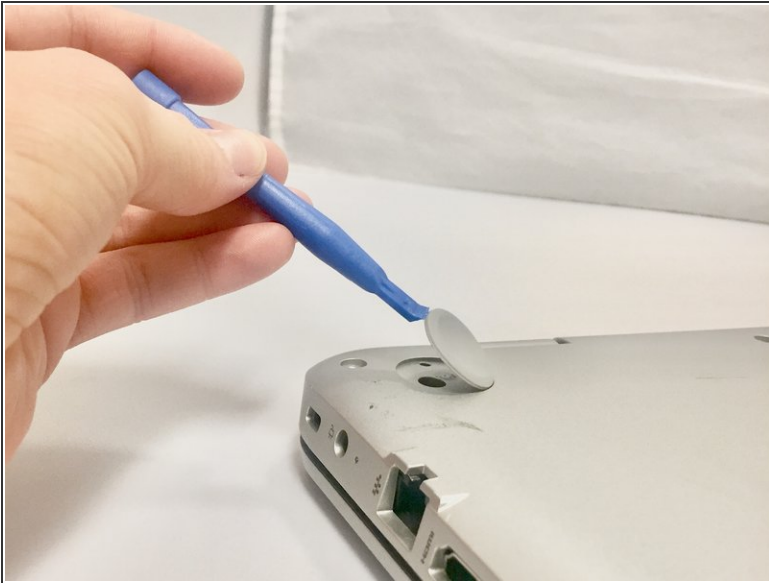
- [Spudger](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)



## PARTS:

- [HP ENVY TouchSmart \(m7-j020dx\) Fan](#) (1)

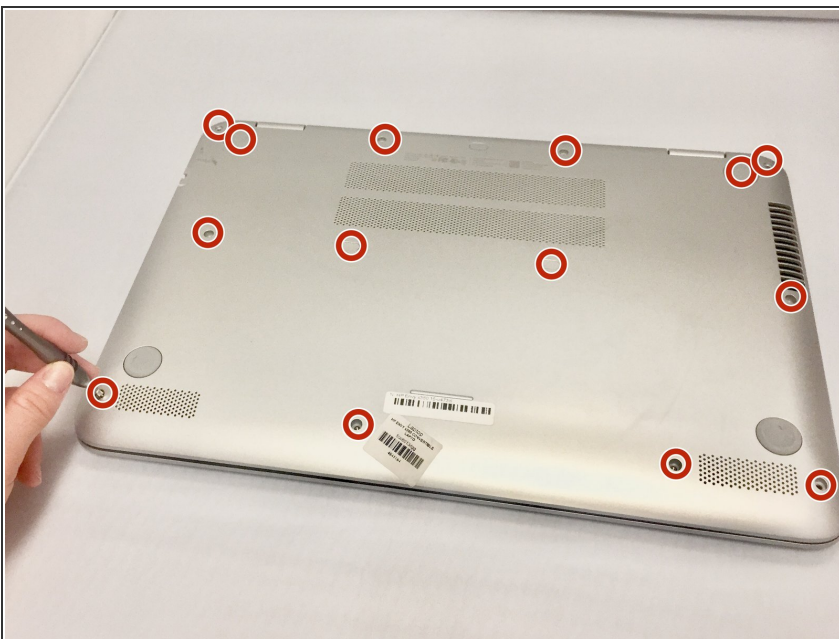
## Step 1 — Battery



**i** Power off your laptop before beginning disassembly.

- Pry off the 2 rear rubber pads (closest to the laptop hinge) using the plastic opening tool to reveal two screws.
- Remove the 2 anti-tamper proof covers using the spudger to reveal two screws.

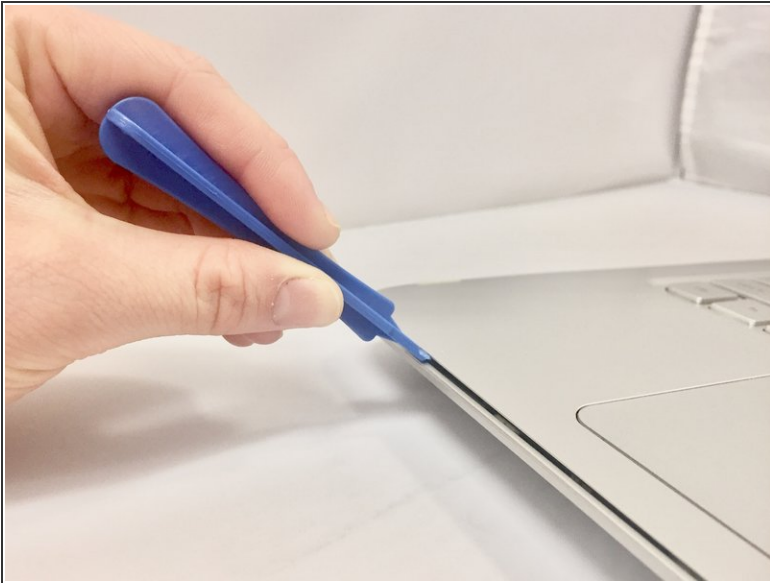
## Step 2



- Remove the fourteen 7mm screws using the Phillips #0 screwdriver from the bottom of the laptop.

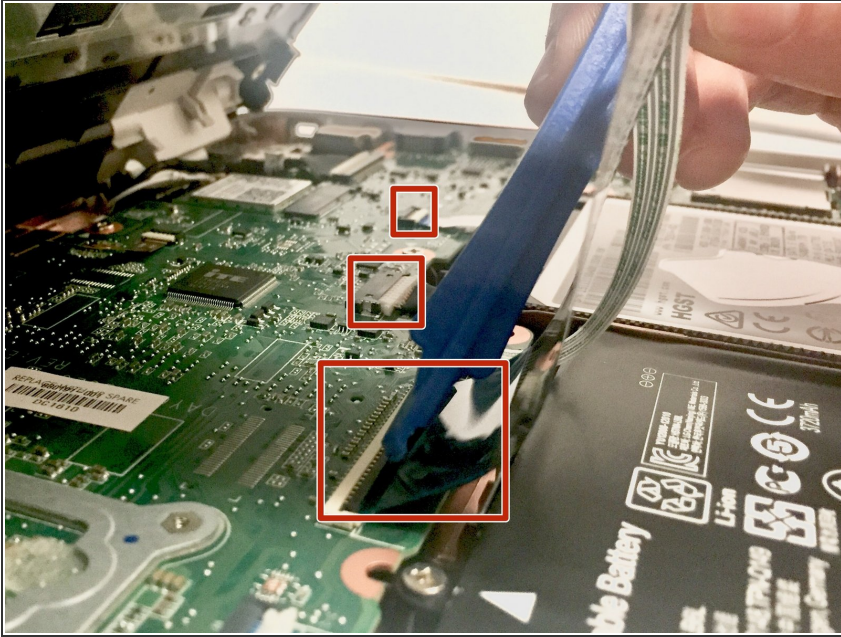


## Step 3



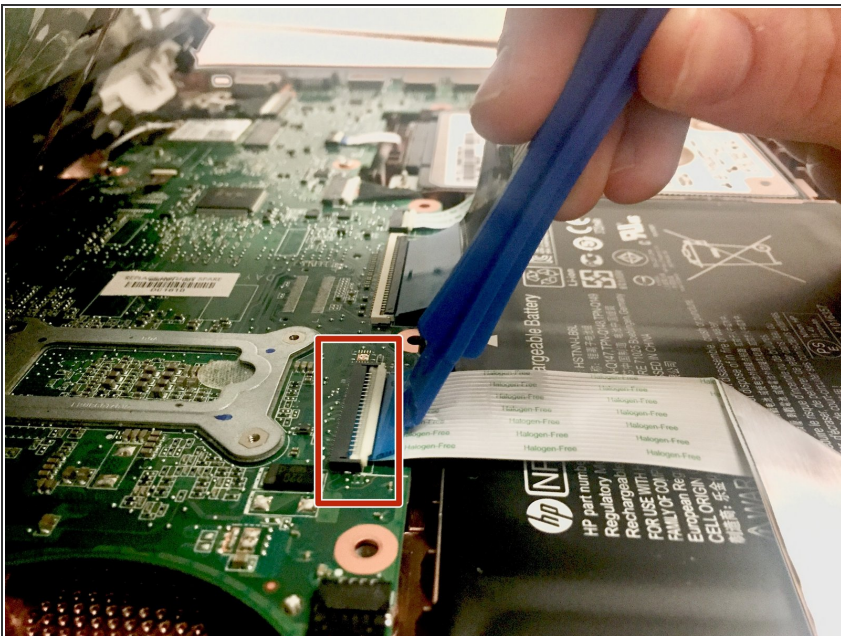
- Turn the device right side up and open the lid.
- Insert the plastic opening tool in between the keyboard plate and the base of laptop.
- Run the tool along seam, prying up as you go.
- Separate the keyboard plate from the base, lifting from the front.

## Step 4



- There are 3 ribbon cables (black, white, and copper color) connecting the computer to the keyboard plate. Disconnect the 3 ribbon cables using the plastic opening tool by prying up the latches holding each cable in place.
- Remove the keyboard plate from the device.

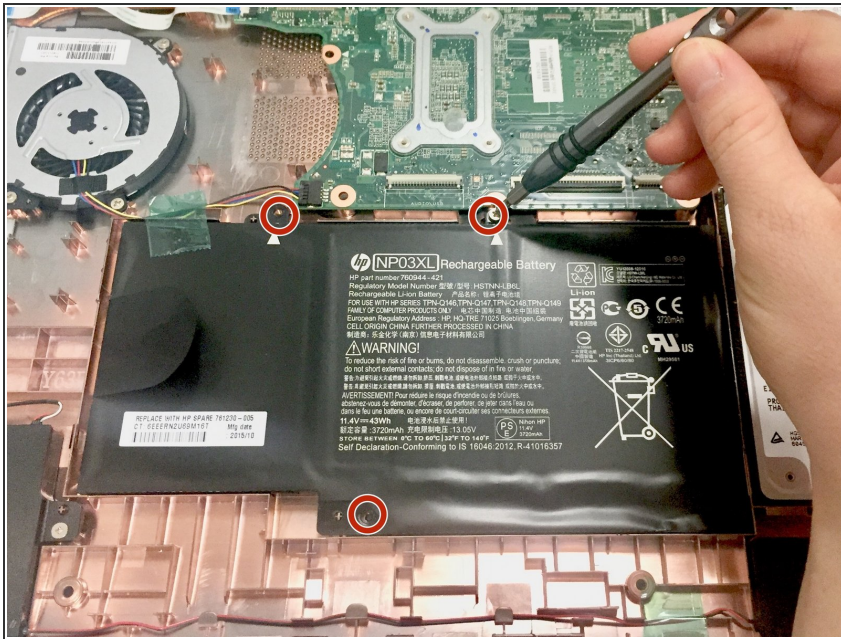
## Step 5



- Remove the thick white ribbon cable covering the battery using the plastic opening tool by prying up the latches attaching each end.

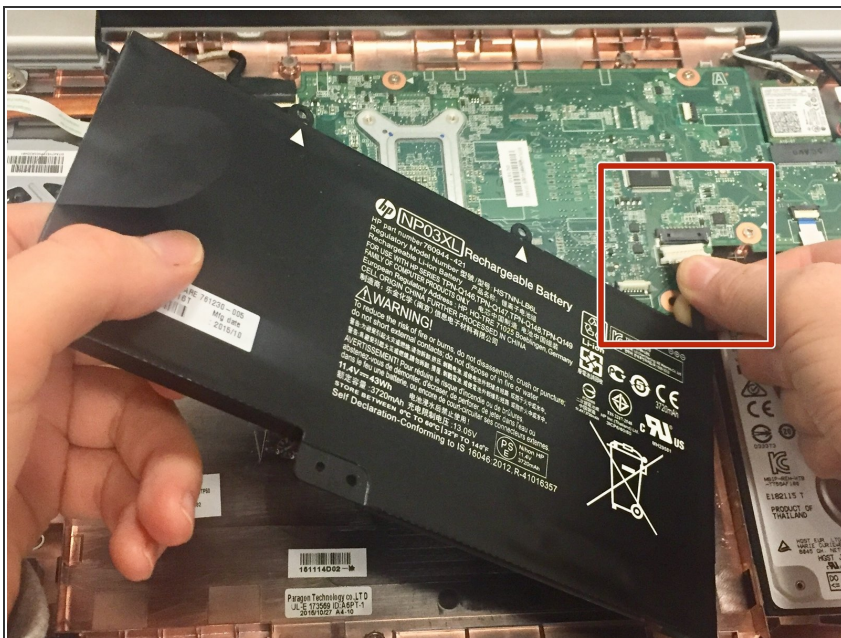


## Step 6



- Remove the three 4mm screws using the Phillips #0 screwdriver.

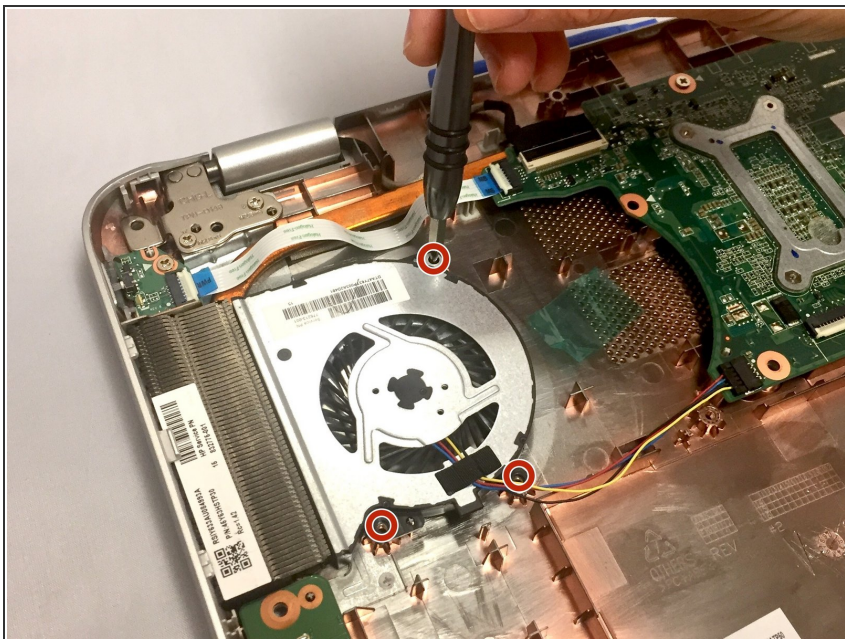
## Step 7



- Disconnect the battery from the motherboard.
- There may be tamper-proof tape holding the battery in place. Remove the tape if present.
- Remove the battery from the device.

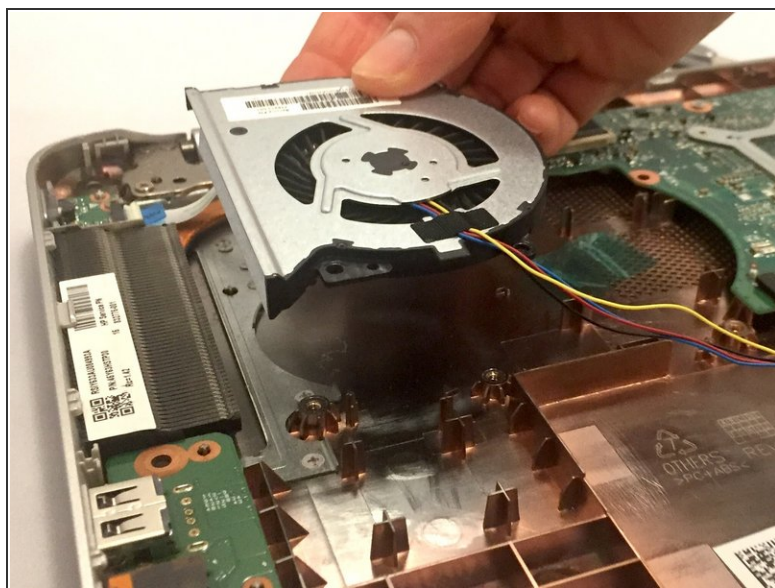
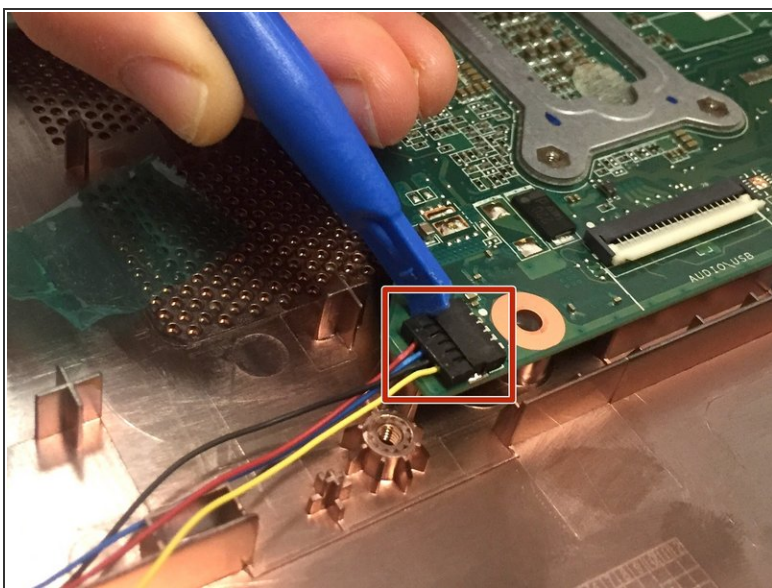


## Step 8 — Fan



- Remove the three 4mm screws using the Phillips #0 screwdriver from the device fan.

## Step 9



- Disconnect the fan from the motherboard using the spudger.
- Remove the fan from the device.

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