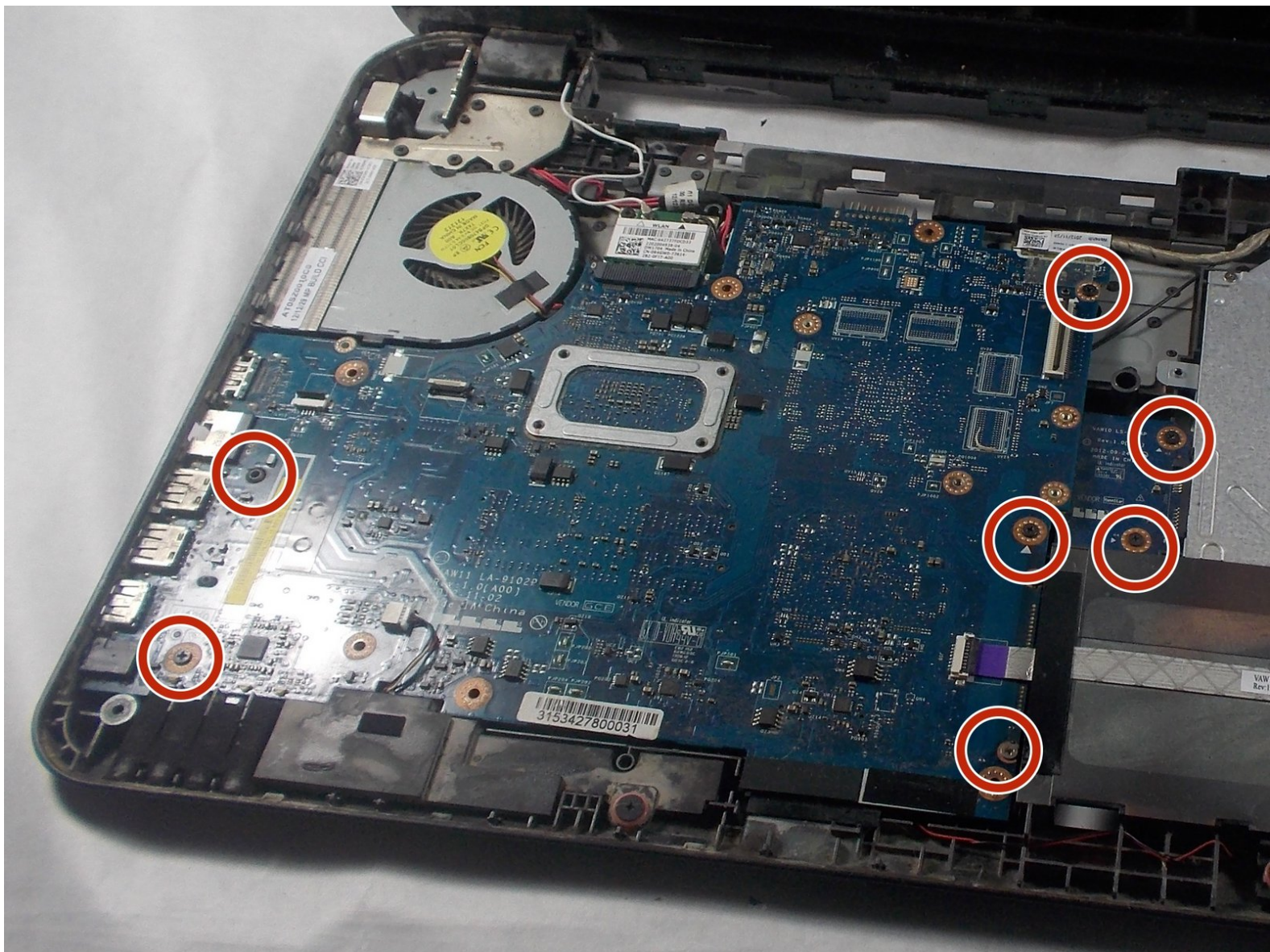




# Dell Inspiron 17-3721 Fan Replacement

This guide will be showing how to replace a broken fan on the Dell Inspiron 17-3721.

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# INTRODUCTION

It is possible for the cooling fan inside a laptop to become very noisy due to dust, die out, or break all together. This guide will show how to remove and replace the fan of the device.

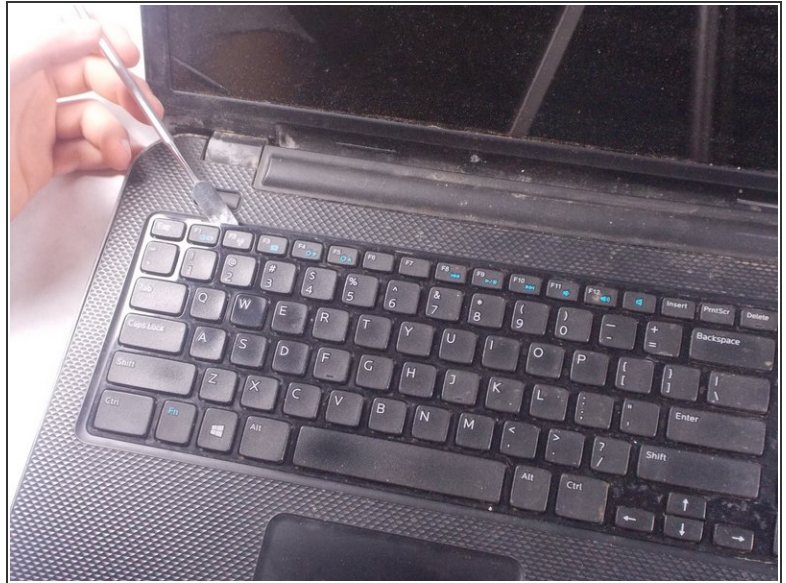


## TOOLS:

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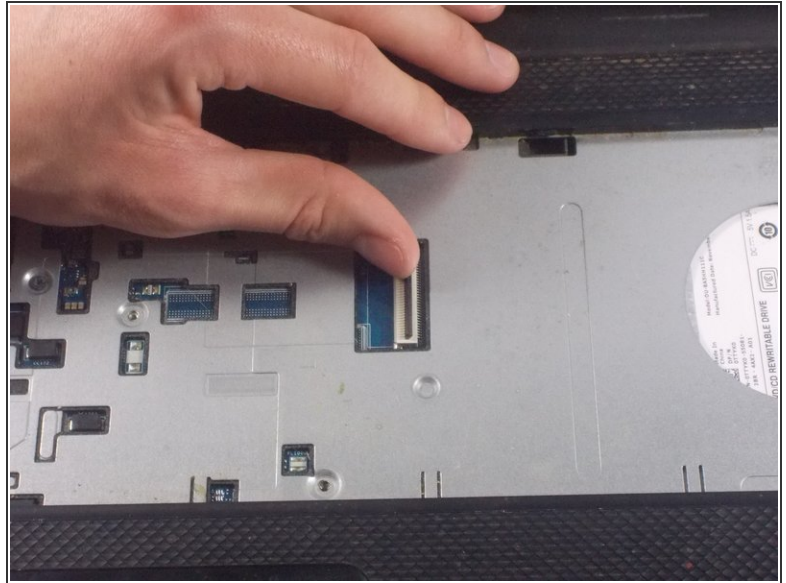
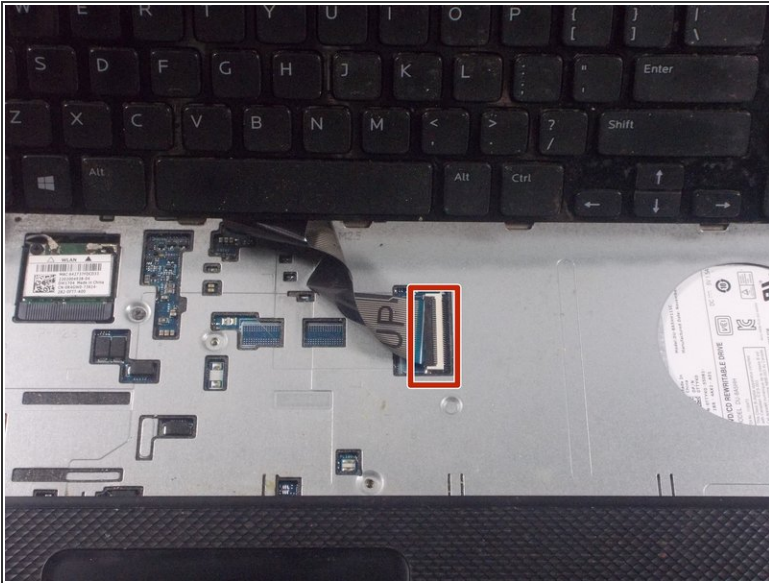


## Step 1 — Keyboard



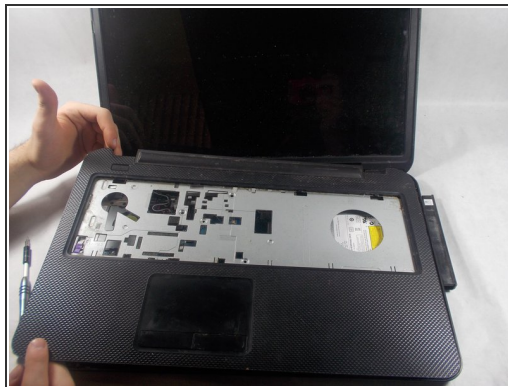
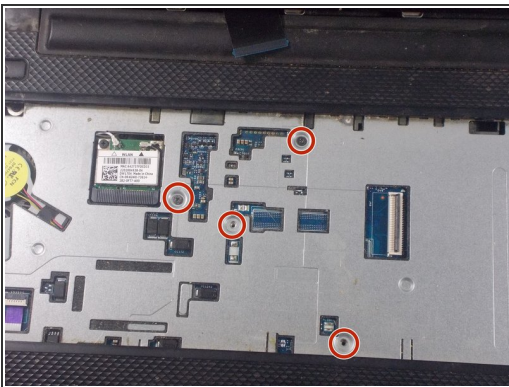
- Use a plastic opening tool or a metal spudger to pry out the tabs on top of the keyboard.
  - After prying the tabs up, carefully pull the keyboard out of the laptop.
- ⚠ Use caution when prying the tabs up or lifting the keyboard up, as the plastic material and the strip on the keyboard can easily break.

## Step 2



- Once the keyboard is lifted, locate the release tab.
- Using a plastic opening tool or your finger, lift the tab so that it opens .
- Once the tab is open, the strip on the keyboard can be removed.

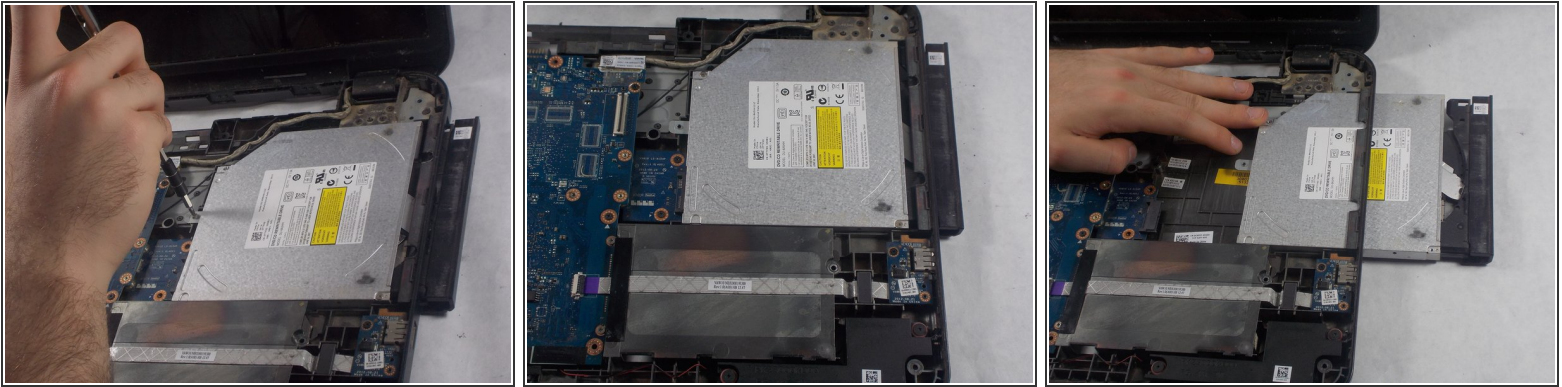
## Step 3 — Optical Drive



- Remove the four 6 mm PH1 Philips head screws under the keyboard.
- Carefully pop off the cover using the plastic opening tools and your hands.

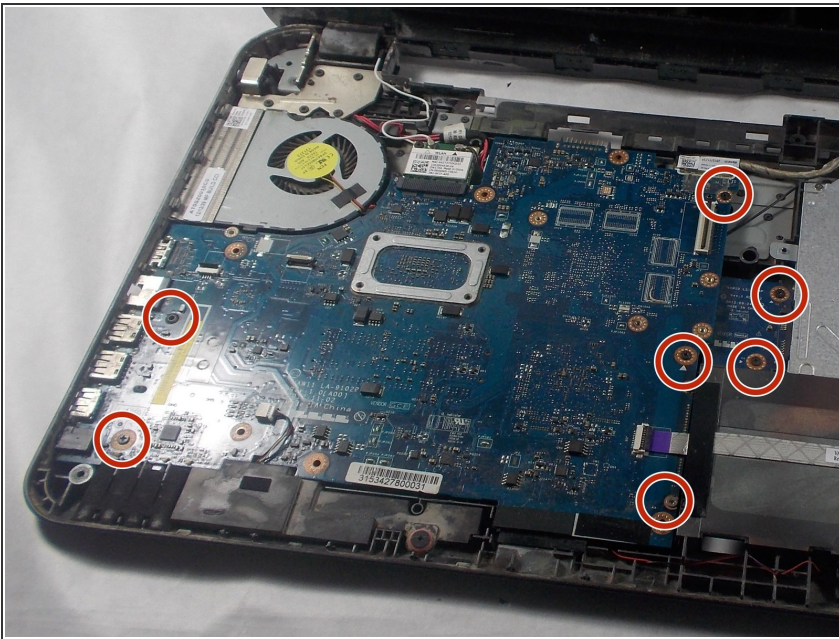


## Step 4



- Remove the 4 mm PH1 Philips head screw holding down the optical drive.
- Use your hand to slide the drive out of the device.

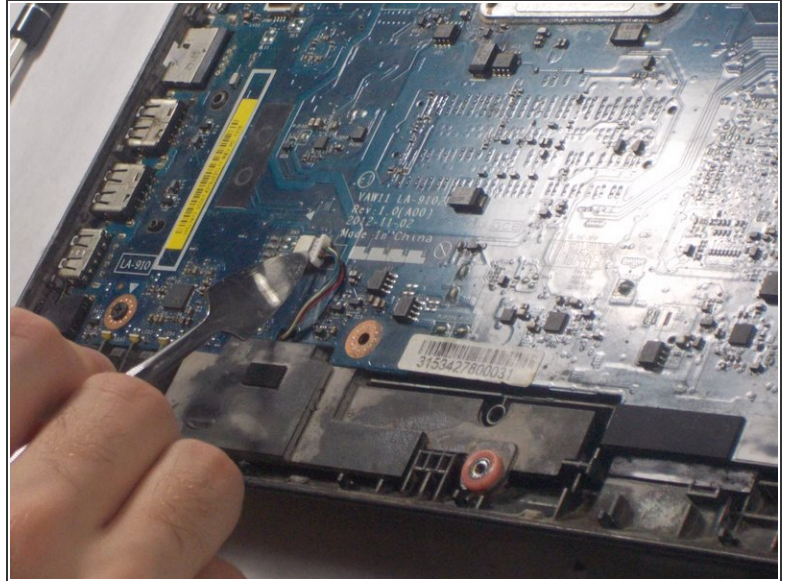
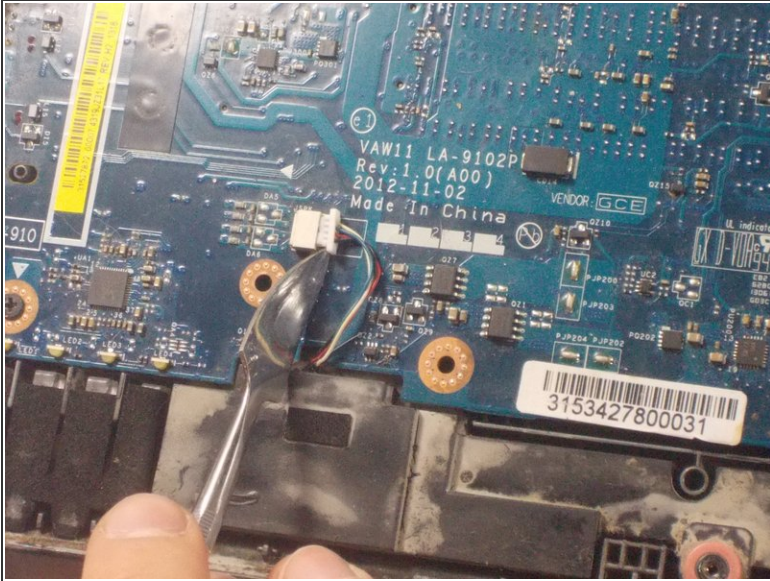
## Step 5 — Fan



- Remove the seven 6mm PH1 Philips head screws from the motherboard.
- ⓘ There may be more or less screws in your motherboard as the laptops do vary.

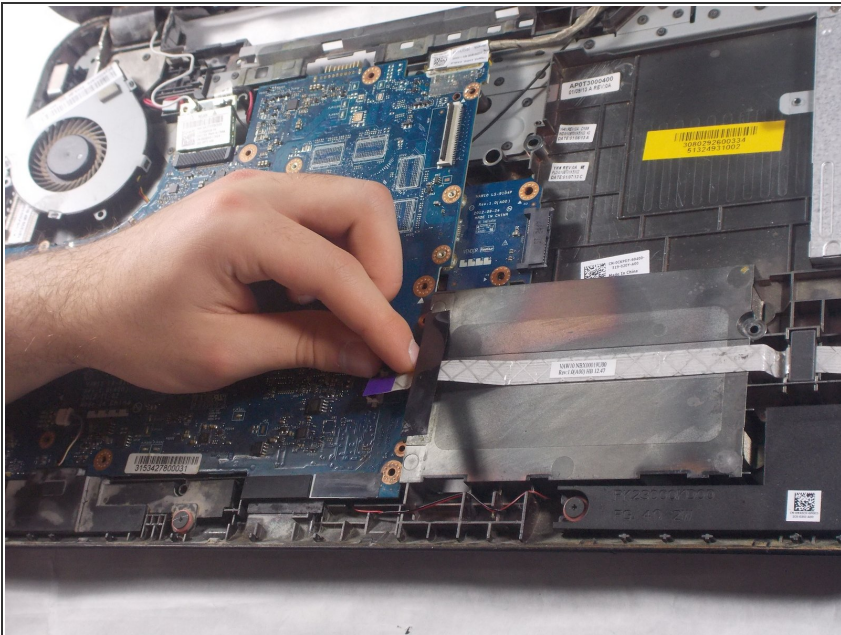


## Step 6



- Located on the lower left of the motherboard, disconnect the wire that connects the speaker by pushing it or pulling it away from the white box.

## Step 7

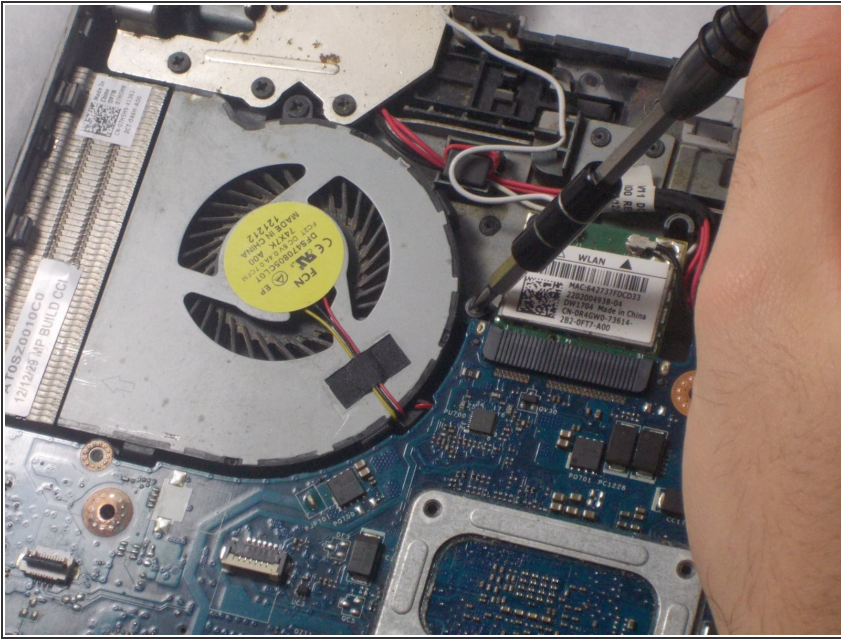


- Located on the lower right of the motherboard, flip up the black hatch and remove the ribbon cable by gently tugging it outwards.

⚠ Ribbon cables are very fragile and can tear easily. Handle with care.

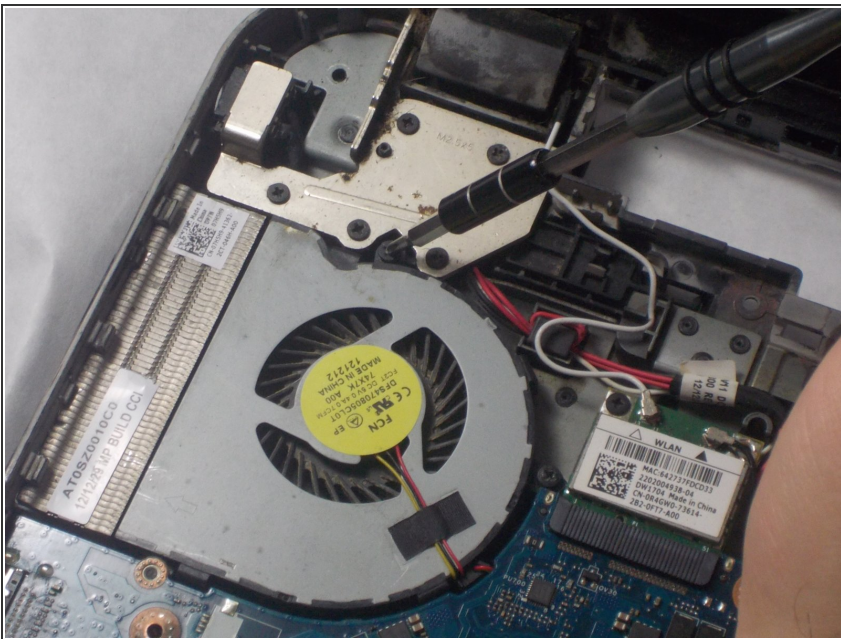


## Step 8



- Remove the 4mm PH1 Philips screw to the right of the fan.

## Step 9



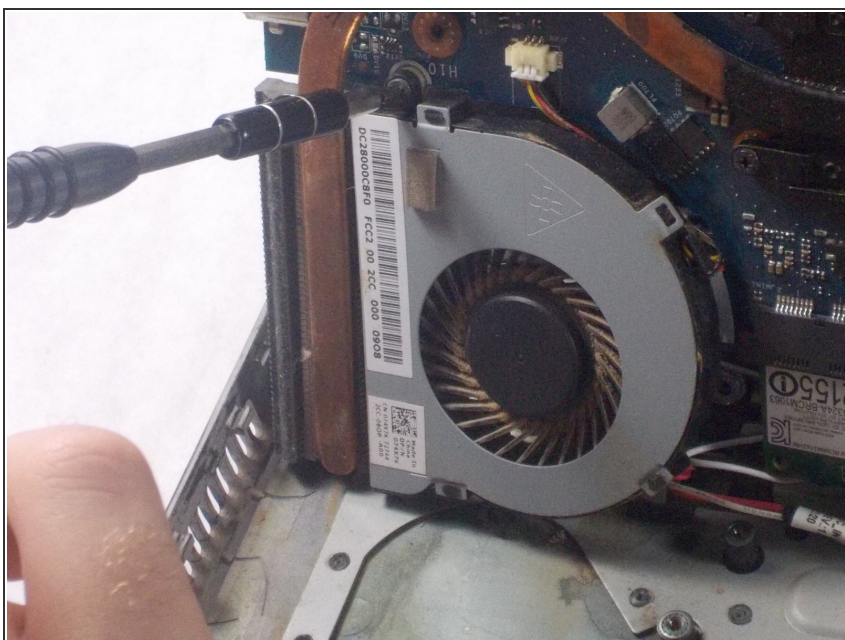
- Remove the 4mm PH1 Philips screw to the top of the fan.

## Step 10



- Remove the motherboard from the USB sockets to the left by first pulling the motherboard to the right and then flip the motherboard up against the screen.

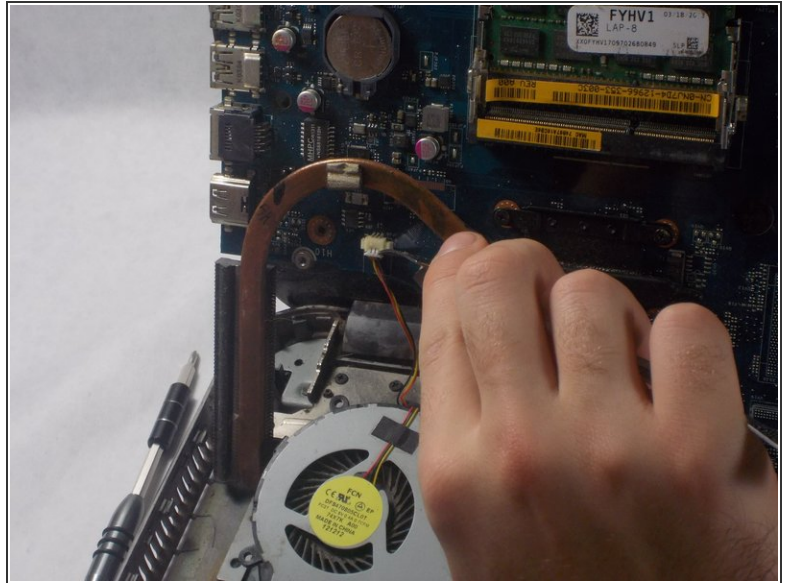
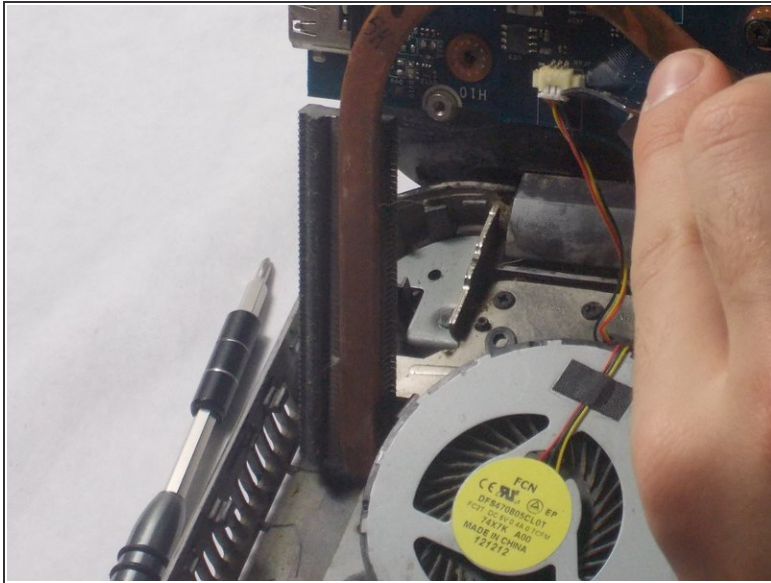
## Step 11



- Located on the lower left, remove the 4mm PH1 Philips screw to the top of the fan.



## Step 12



- Remove the wire for the fan by pulling or pushing the white tab from the white box.

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