



# HP Chromebook 14-q029wm Fan Replacement

This guide will show you how to replace the fan inside your HP Chromebook 14-q029wm.

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## INTRODUCTION

If your HP Chromebook 14-q029wm has been having overheating problems recently try placing it in a space with better airflow or using compressed air and cleaning it out. If both of these don't work your computer may have a faulty fan. After you determine if it is a faulty fan follow this guide below to remove and replace it. For more troubleshooting advice click [here](#). This guide will walk you through how to take apart your HP Chromebook 14-q029wm safely and install a new fan. Make sure the power is completely off and no external power is plugged in.

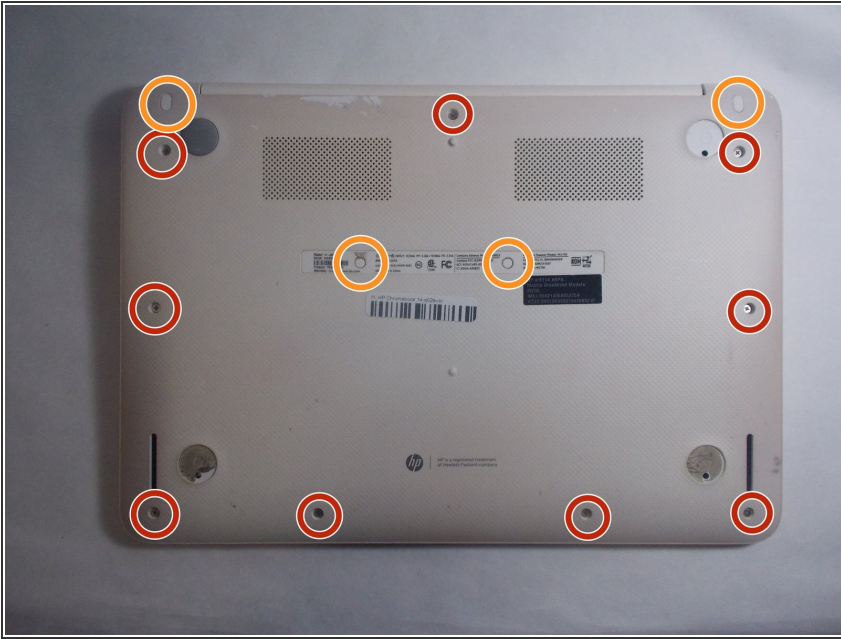
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### TOOLS:

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



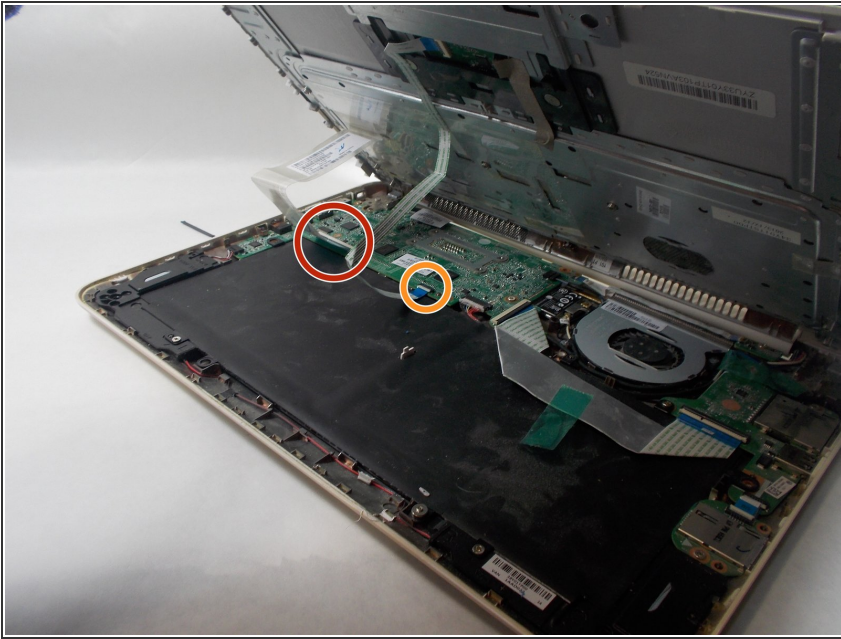
- Remove nine 5mm Phillips #0 screws from the back case.
- Remove the rubber caps using a spudger.
- Remove the four remaining 5mm Phillips #0 screws.

## Step 2



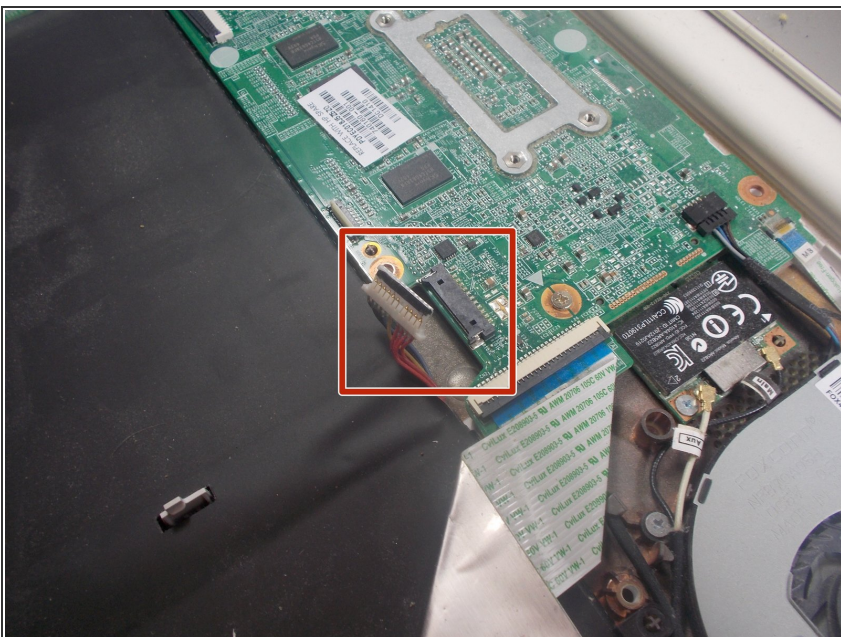
- Use an opening tool to unclip the bottom plastic covering of the laptop.
  - Go around the sides of the laptop until the bottom unclips completely and comes off of the laptop.
- ⚠ Be careful not to break the plastic clips.

## Step 3



- Once the bottom is completely unclipped, remove the covering slowly so you do not pull and rip the wires.
- There is a little black lever that you have to pull in order to remove the wires. They are found on top of where the wires are connected.
- Remove the larger wire first.
- Then remove the smaller wire.
- ⓘ It is better to use a pair of tweezers for accuracy
- From there the keyboard should completely come off.

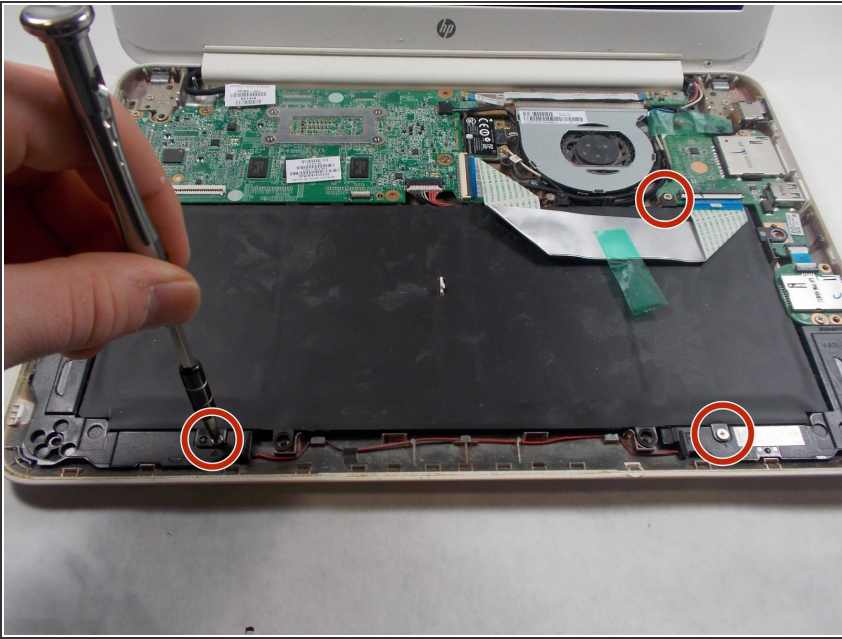
## Step 4 — Battery



- Use your fingers to pull the white tab out of the black slot above the battery.



## Step 5



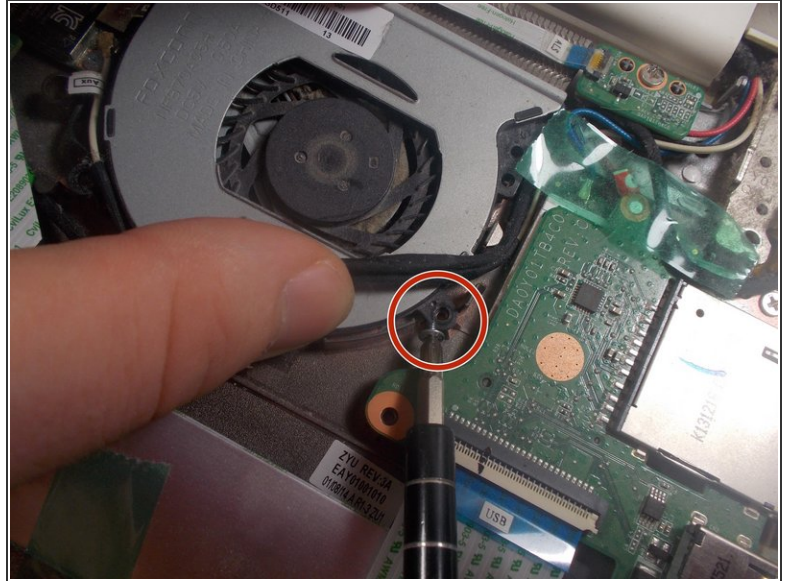
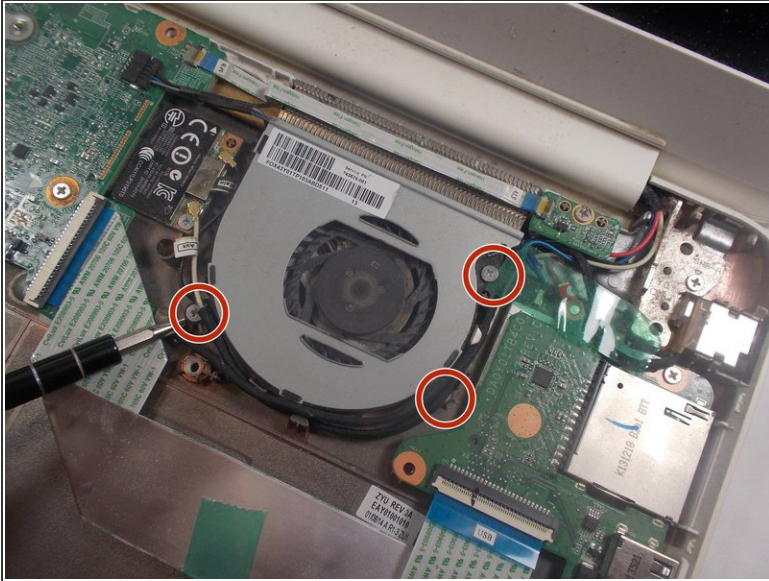
- Remove the 3mm Phillips #0 screws.

## Step 6



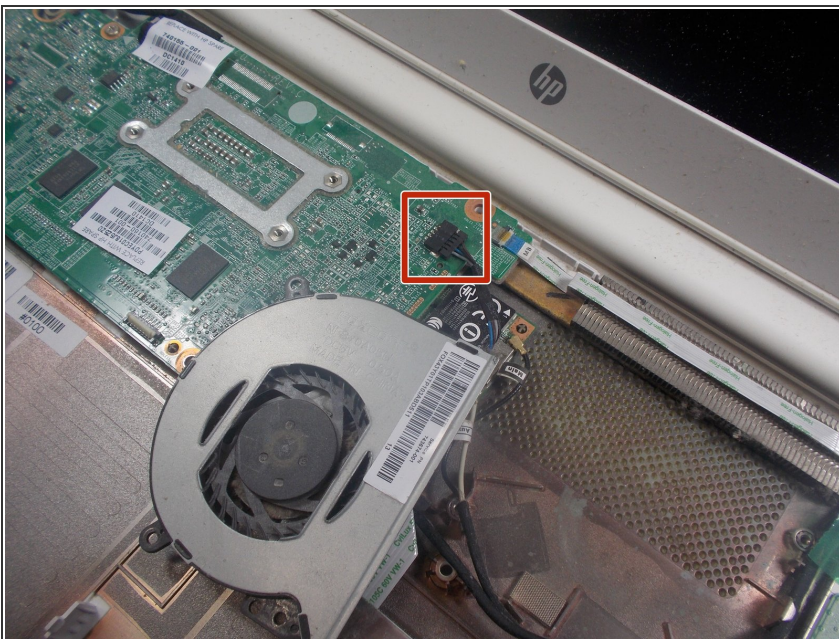
- Pick up and gently remove the battery.

## Step 7 — Fan



- Remove the three 3mm Phillips #0 screws.
- i* The bottom right screw may be covered by the fan's wires.

## Step 8



- Using your fingers or an opening tool, remove the cable connecting the fan to the motherboard.
- Gently remove the fan.

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