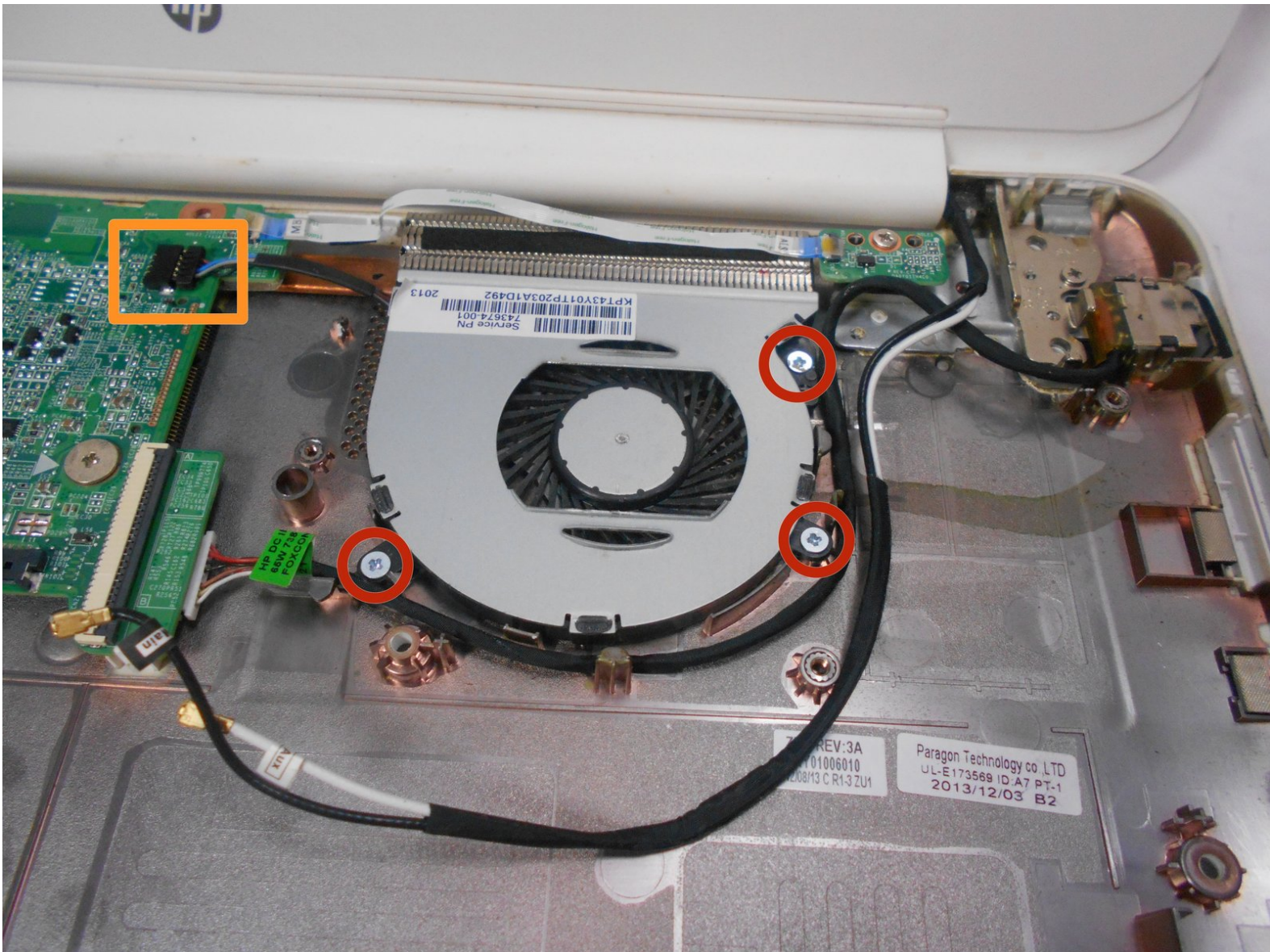




HP Chromebook 14-Q010DX Fan Replacement

A guide to replacing your Chromebook's fan.

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INTRODUCTION

This guide requires removal of 3x3mm screws from the fan assembly.



TOOLS:

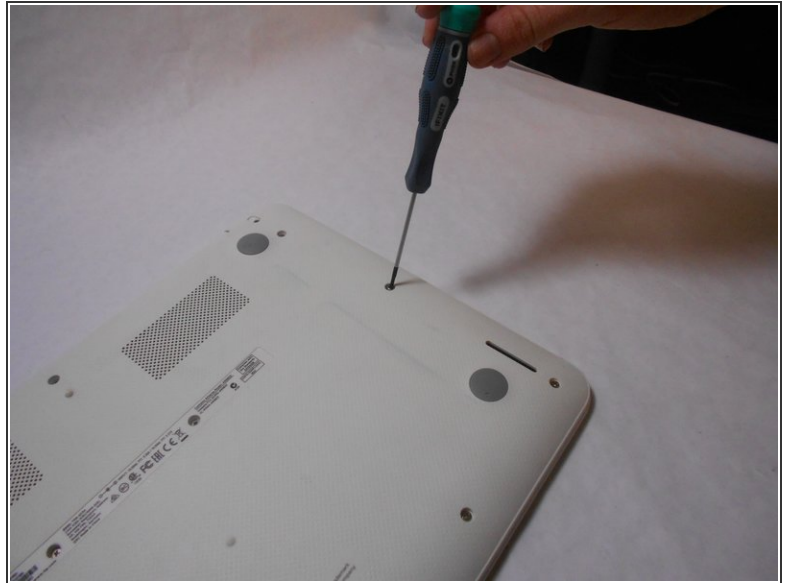
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)



PARTS:

- [HP Chromebook 14-Q010DX fan](#) (1)

Step 1 — Keyboard and Touchpad



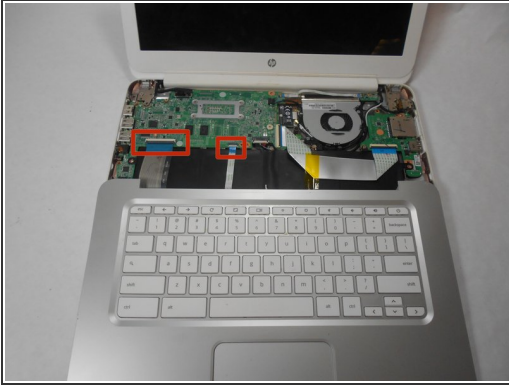
- The yellow circle represents the rubber covering that protects the screw. And the red circle represents the screws.
- Flip the laptop such that the base of the laptop should face you. Remove the rubber covering with help of any sharp pointed object and then unscrew the screw.

Step 2



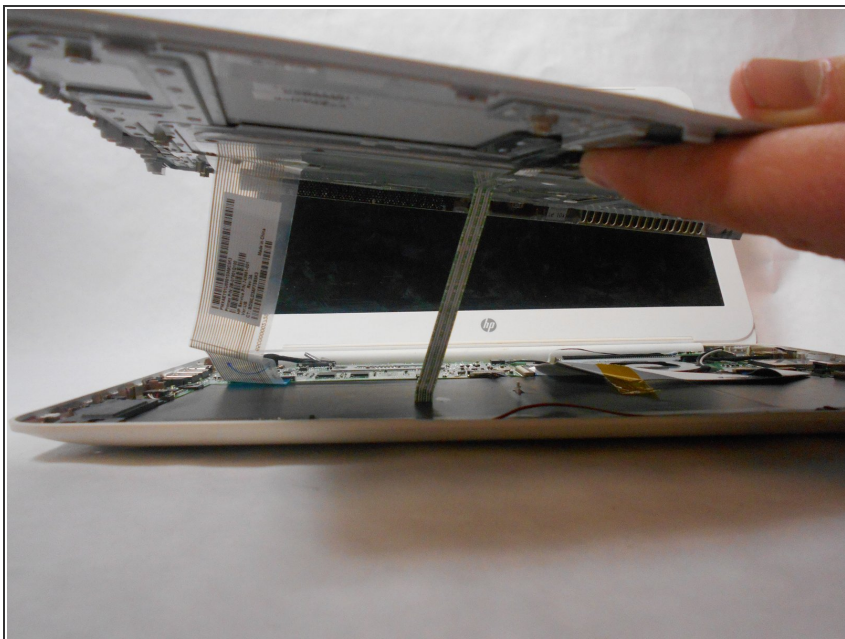
- Using a plastic opening tool or the spudger to separate the keyboard from the frame of the laptop.
- Gently lower the keyboard towards you to expose the wires attached beneath.

Step 3



- Lift the black flap in the left black rectangle and pull the blue ribbon gently towards you until it is disconnected.
- Lift the white flap in the right black rectangle and pull the blue ribbon towards you until it is disconnected.

Step 4



- Lift keyboard slightly and remove the strip gently so is not damaging any parts . The tape has no function other than to keep the wire tucked away.

Step 5



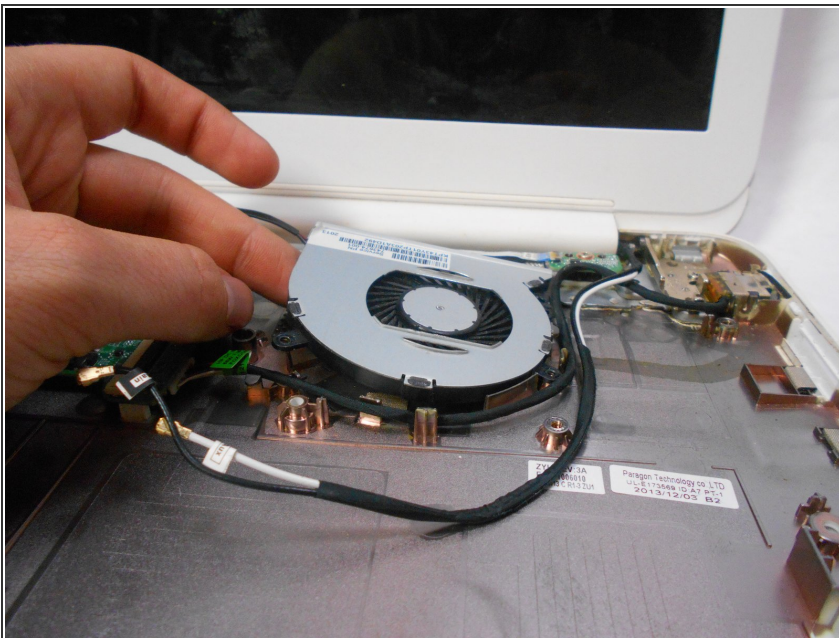
- Keyboard is now detached from the laptop and can be placed to the side.

Step 6 — Fan



- Remove the 3 screws around the fan, indicated by red circles in the picture.
- Using your fingers or the spudger, disconnect the cable connecting the fan to the motherboard. The connector is indicated by the orange rectangle in the picture.

Step 7



- Gently remove fan.

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