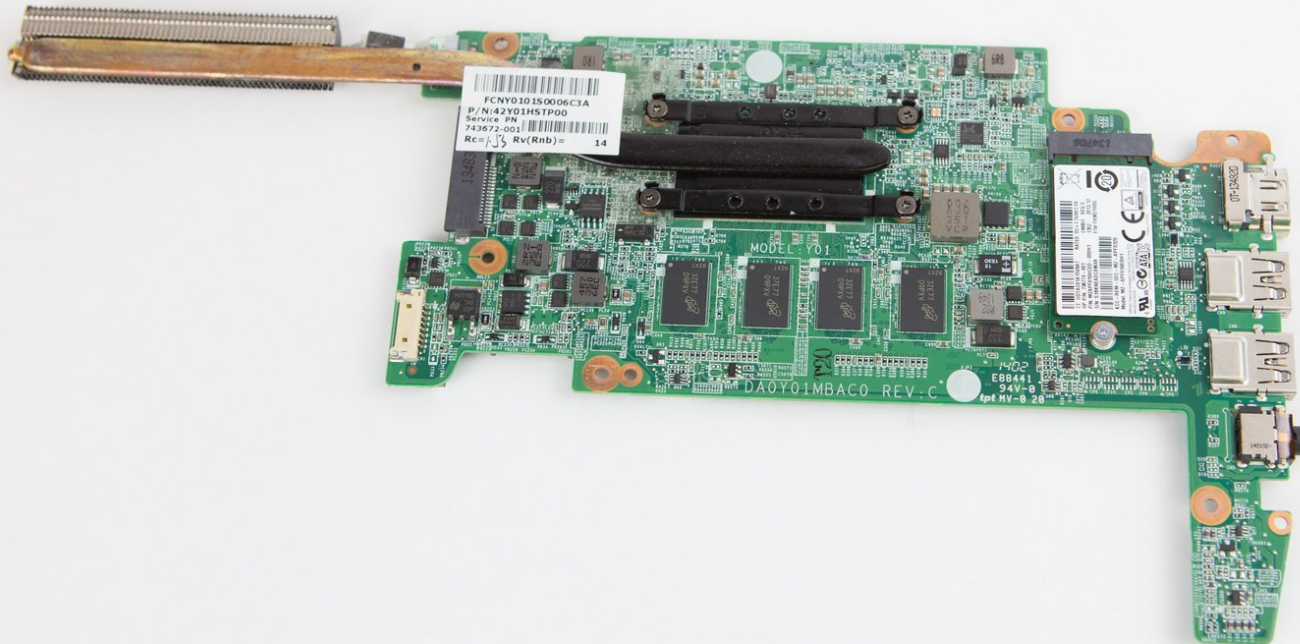




HP Chromebook 14-Q070NR Motherboard Replacement

To fix the blue screen of death or any screen problems, just replace the motherboard to restore it.

Written By: Jose Hernandez



INTRODUCTION

A motherboard is essentially the brain of a computer, it controls all the components in a computer to function properly without any errors. Use this guide to replace the motherboard of your device.

TOOLS:

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



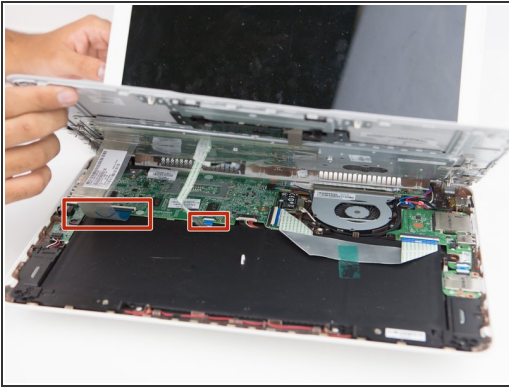
- i** At this point, the white caps that hide the top-most screws marked with red circles have been removed.
- Using the Phillips #1 screwdriver, remove the (10) ten screws from the bottom of the device.
- After removing the white caps covering the screws, use the Phillips #1 screwdriver to remove the (3) three screws indicated with red circles.

Step 2



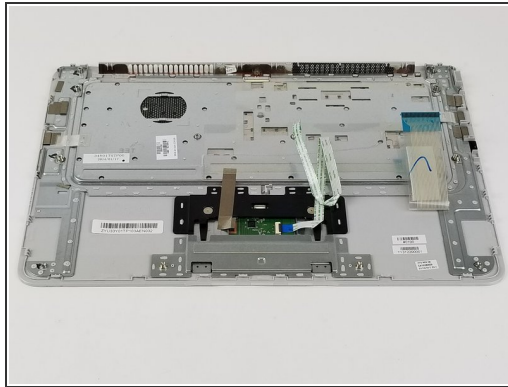
- Open the laptop and place it upright. Remove the keyboard from the device using a plastic spudger or opening tool.
- ⚠** Carefully remove as there are ribbons attached to the keyboard that is connected to the components inside.
- Gently lift the keyboard just enough to expose the ribbons.

Step 3



- Hold the keyboard up to remove the ribbons from the circuit board.
- To remove each individual ribbon, grab the blue portion of each ribbon and pull it towards your direction until it is fully detached.

Step 4



- Once the ribbons are detached, remove the keyboard from the device.

Step 5 — Battery



- Using the Phillips #0 screwdriver, remove the (2) two screws at the bottom of the device.
- ❗ Once removed, separate the screws from previous ones. They are different!

Step 6



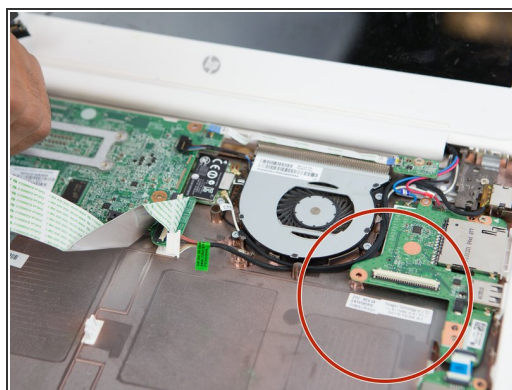
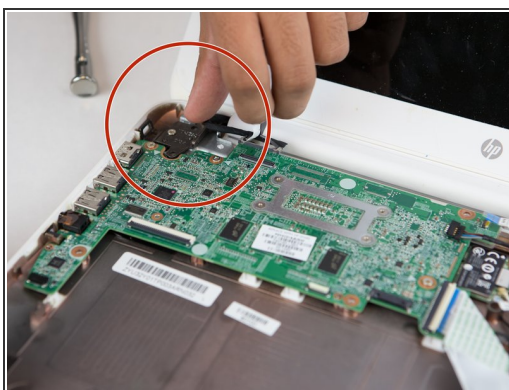
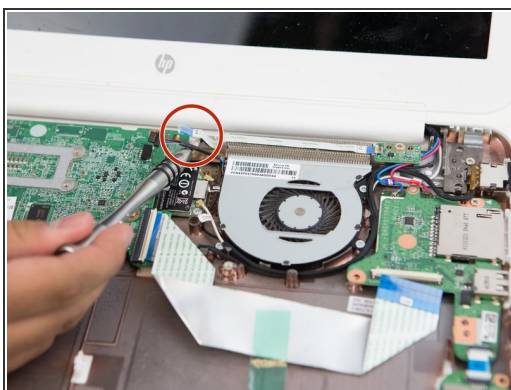
- Remove the taped flat wire from the top of the battery.
- Carefully pull away the connector from the top of the battery to the motherboard.

Step 7



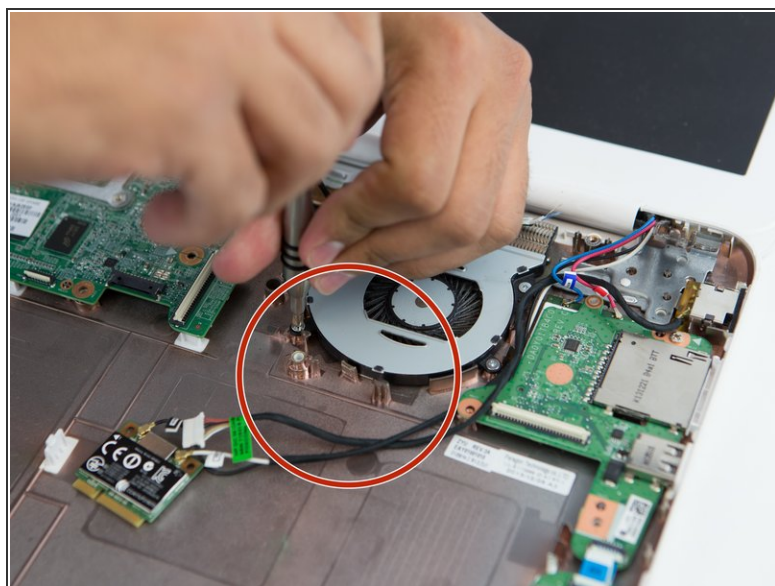
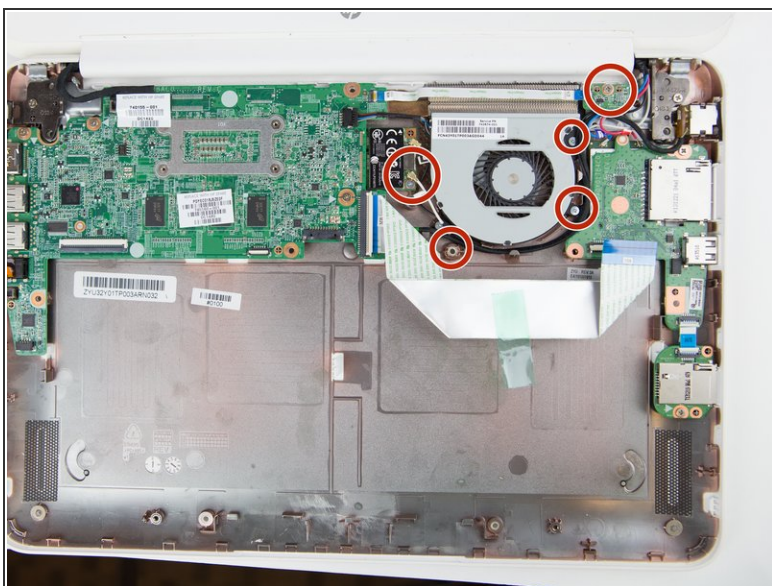
- Carefully lift the battery and remove it from the device.

Step 8 — Motherboard



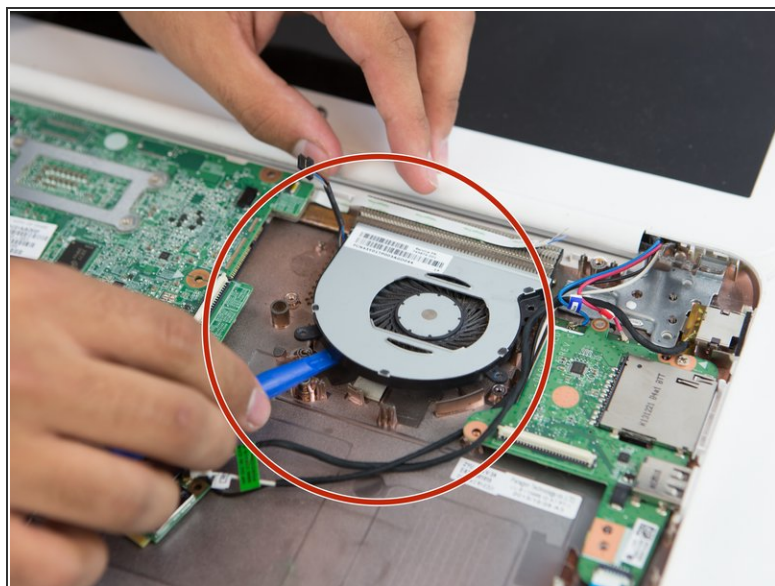
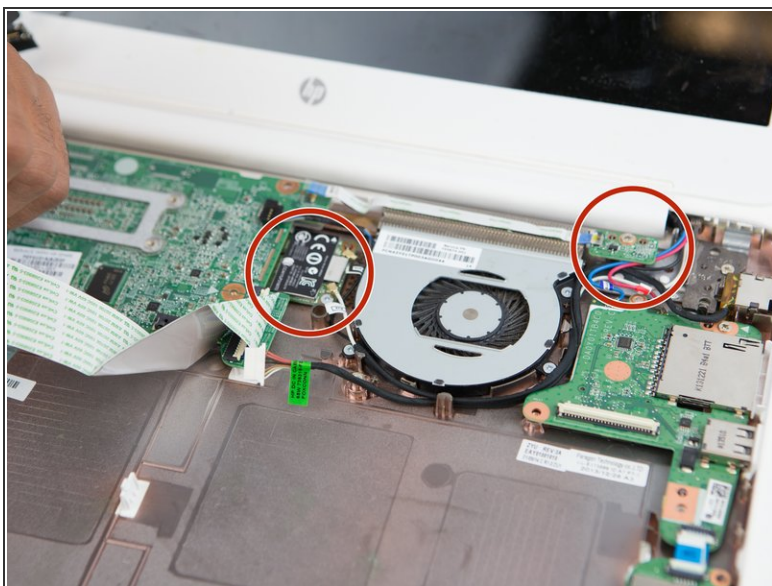
- Carefully remove the (3) three plastic strips attached to the motherboard.

Step 9



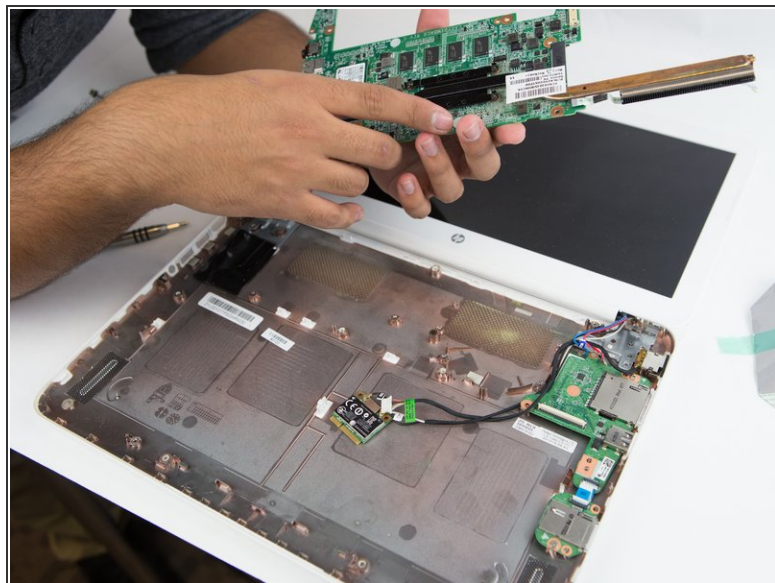
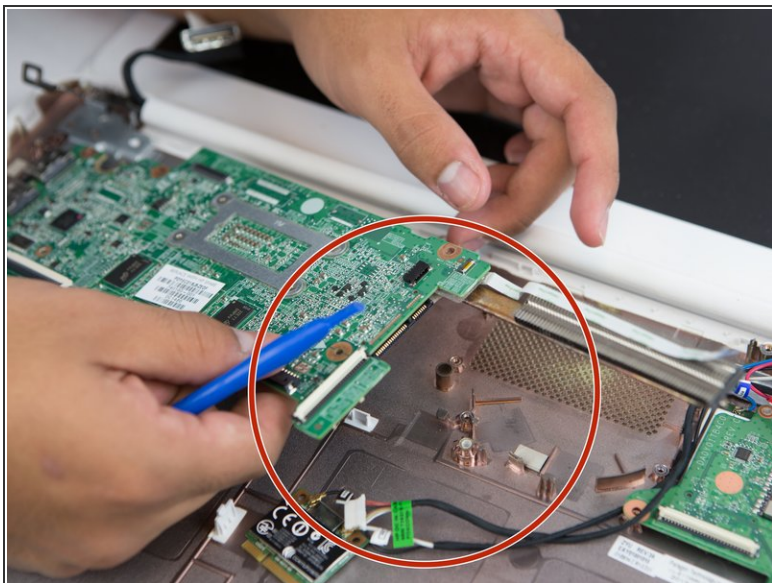
- Use the Phillips #1 screwdriver to remove the (5) five screws.

Step 10



- Use the blue plastic opening tool to disconnect the connectors. Remove the fan from the motherboard.

Step 11



- Gently lift while using the plastic opening tool to unhinge the motherboard from the computer in an upward pattern.

⚠ Be very careful not to detach the motherboard too quickly or forcefully since you could damage or break it.

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