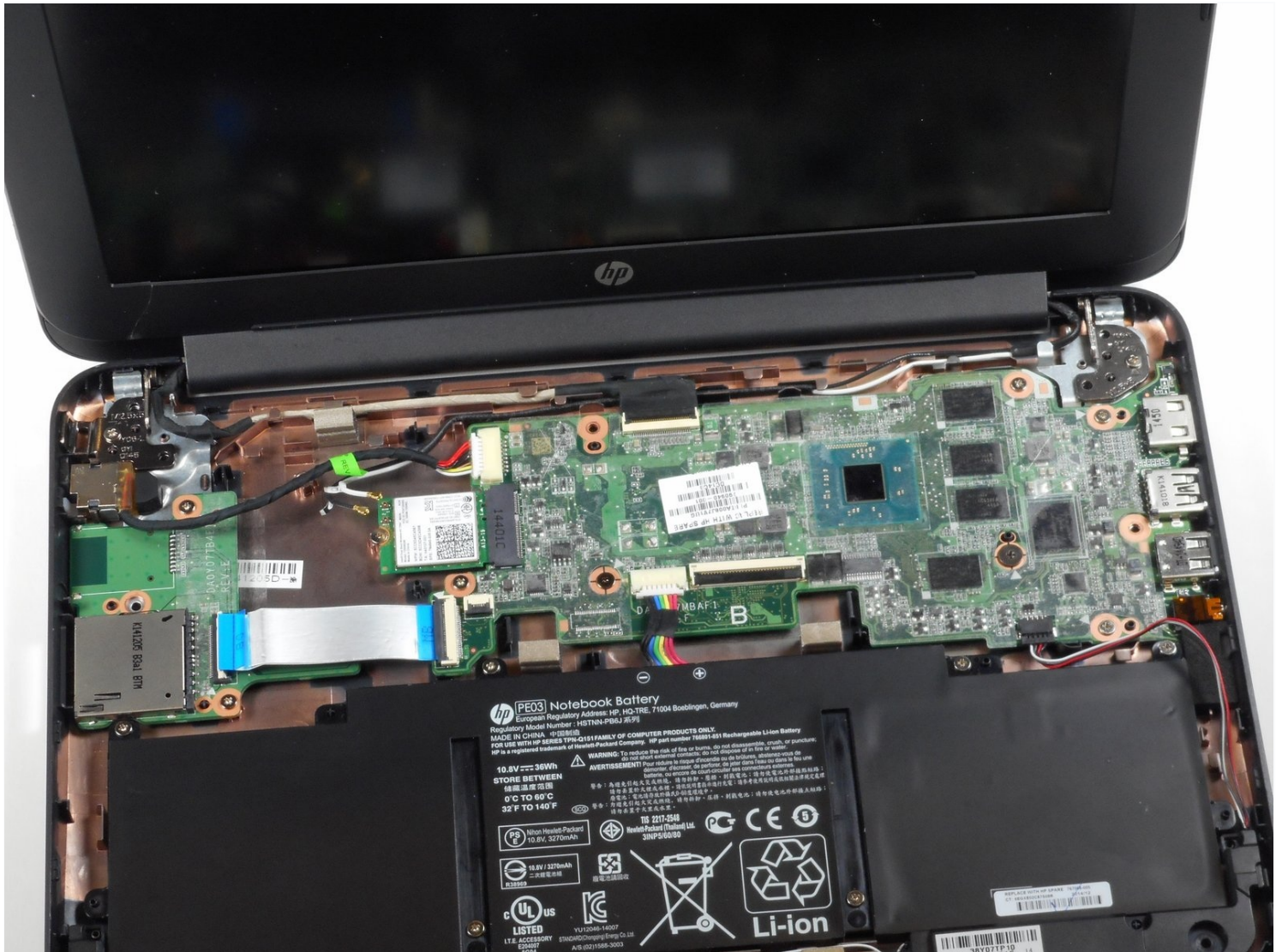




HP Chromebook 11 G3 Motherboard Replacement

The guide walks through replacing a faulty...

Written By: Rahul Goyal



INTRODUCTION

The guide walks through replacing a faulty motherboard. It requires removing the keyboard mount. Afterwards, it is relatively simple and requires only a Phillips head screwdriver and spudger to finish removal.

TOOLS:

iFixit Opening Tool (1)
Tweezers (1)
Phillips #00 Screwdriver (1)
Spudger (1)

PARTS:

HP Chromebook 11 G3/G4 Motherboard (1)
HP Chromebook 11 G3/G4 Bottom Cover (1)
HP Chromebook 11 G3/G4 Speaker Set (1)
HP Chromebook 11 G3/G4 Wi-Fi Card (1)

Step 1 — Keyboard Mount



- Flip the laptop upside down so that the lid lies flat on the table.
- Remove the nine 6mm Phillips #00 screws that line the border.

Step 2



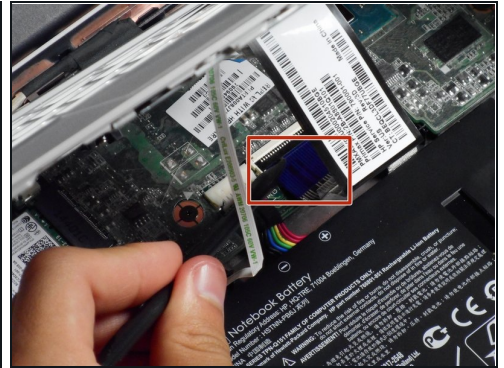
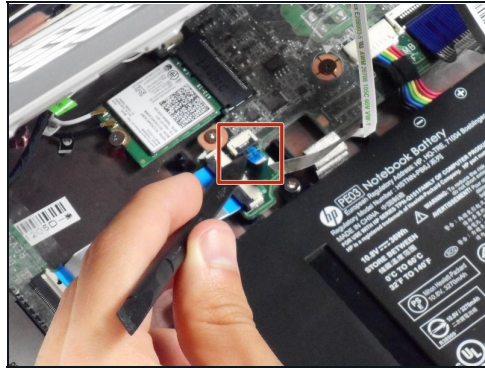
- Remove the two rubber feet closest to the hinge using [tweezers](#).
- Remove the two 6mm Phillips #00 screws revealed under these rubber feet.
- ① The rubber feet may tear while removal; preventing this can be difficult, but it won't harm the laptop. If desired, replace these rubber feet during reassembly.

Step 3



- Flip the laptop so it is in the upright position.
- Open the lid.
- Unsnap the keyboard mount along the border of the laptop using a plastic opening tool.
- ① This may require more force than expected. Hearing loud clicks as the plastic opening tool slides along the seam is normal.

Step 4



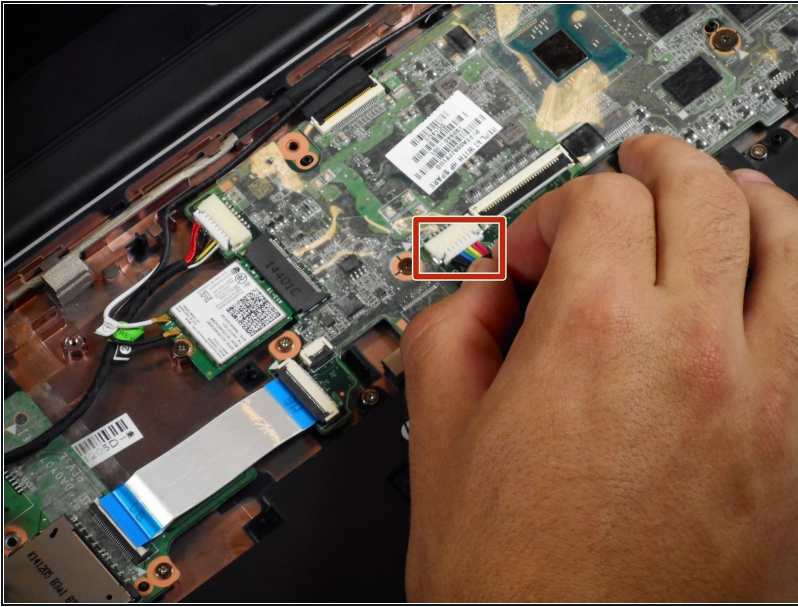
- Tilt the keyboard mount up.
- Use a spudger to flip up the two ZIF connector retaining flaps for the ribbon cables that connect the keyboard mount to the motherboard.
- Gently remove both ribbon cables.

Step 5



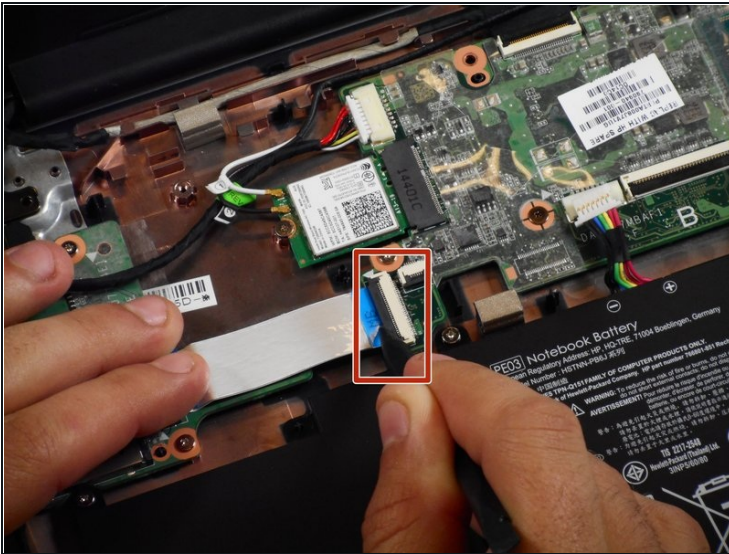
- Lift the keyboard mount out of the laptop.

Step 6 — Motherboard



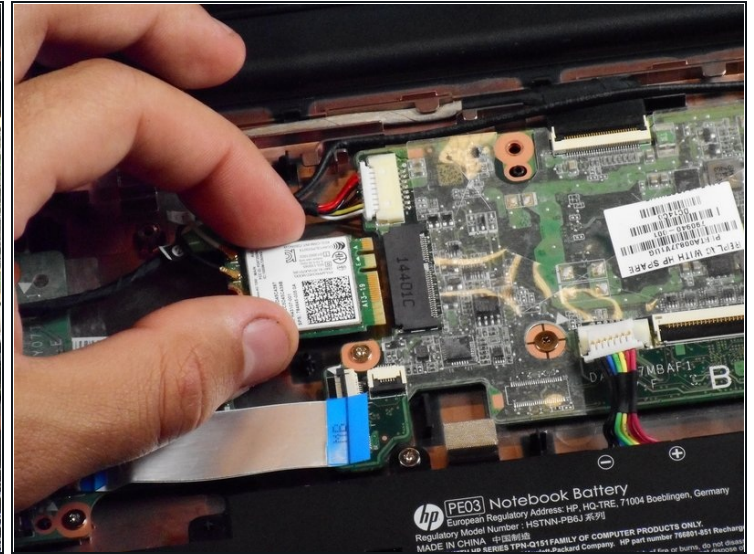
- Gently pull the battery's rainbow-colored, bundled cable out of its socket.

Step 7



- Use a spudger to lift the small ZIF retaining flap for the ribbon cable that connects the SD card reader to the motherboard.
- Gently pull the cable out of its socket.

Step 8



- Remove the 2 mm Phillips #00 screw that holds the Wi-Fi module in place.
- Slide the Wi-Fi module out of the motherboard.
- ☒ If the black and white cables come off of the Wi-Fi module, remember to reattach them during reassembly by matching the number on the wire to the number on the module.

Step 9



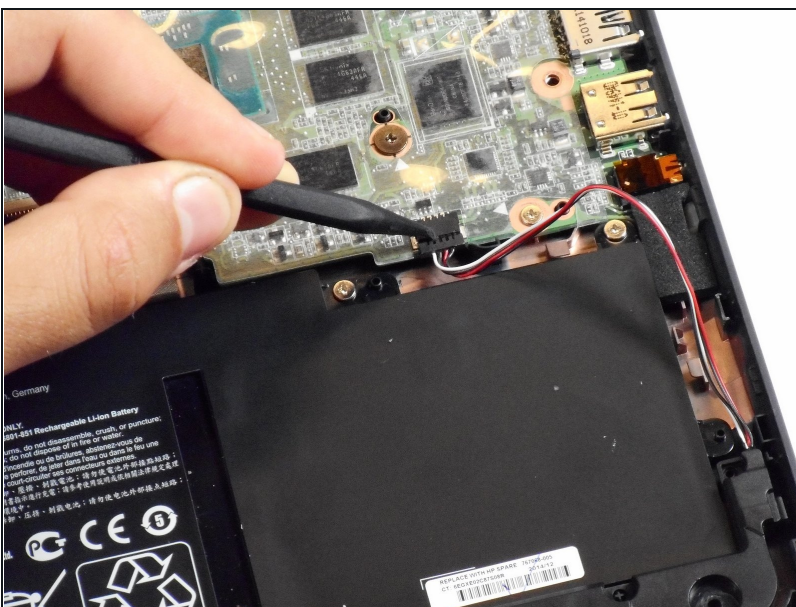
- Gently pull the bundled cable that connects the charging port to the motherboard out of its connector on the motherboard.

Step 10



- Use a spudger to lift the small ZIF retaining flip for the ribbon cable that connects the display to the motherboard.
 - Gently pull the cable out of its socket.
- ⓘ This cable comes out of the left side of the display's hinge.

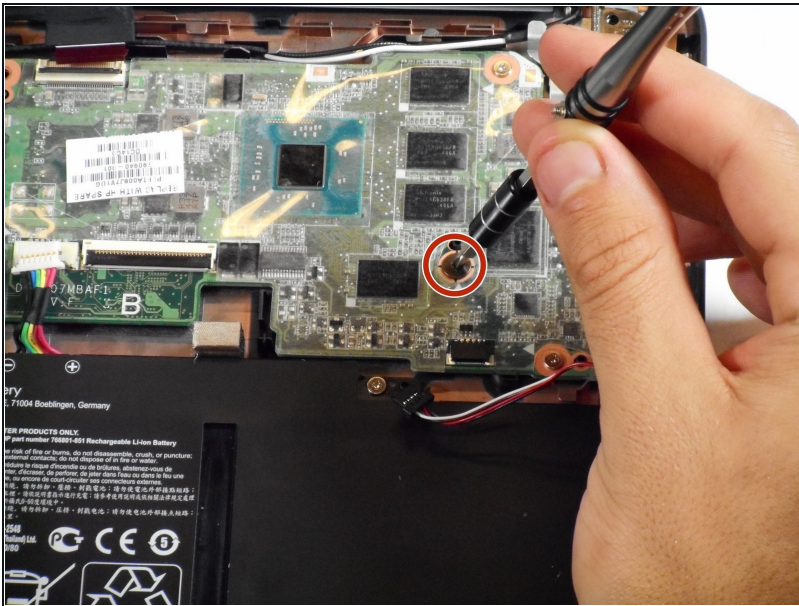
Step 11



- Use a spudger to remove the slide-out connector from its socket.

⚠ Do not attempt to remove this connector by pulling on the cables, as this may cause damage.

Step 12



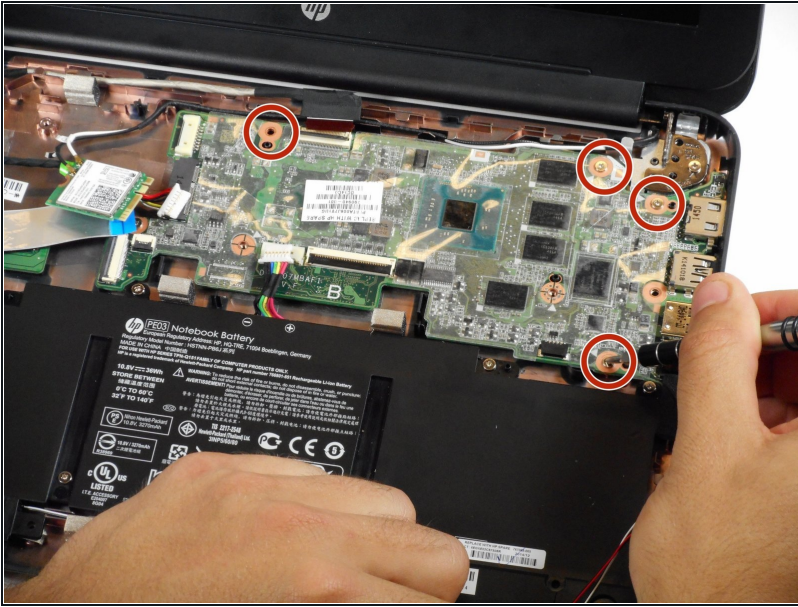
- Remove the center-right Phillips #1 3mm screw.

Step 13



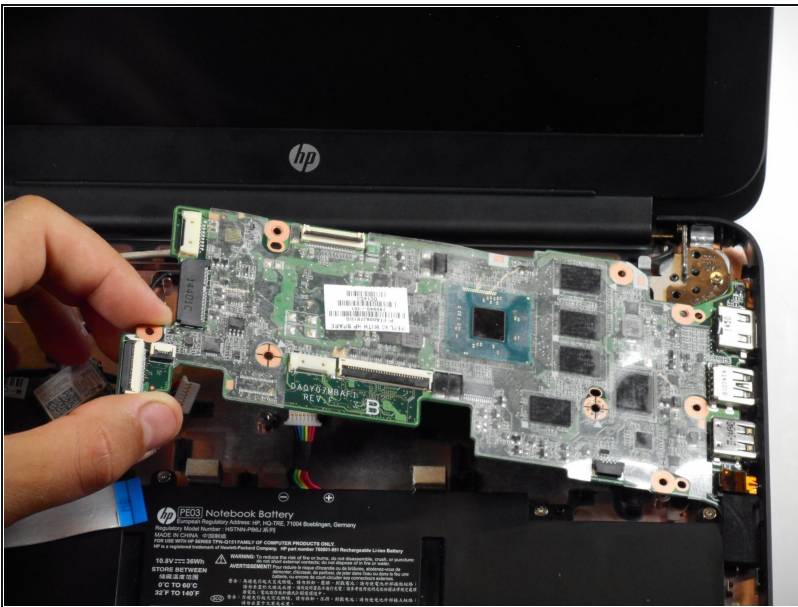
- Remove the center-left Phillips #00 4mm screw.

Step 14



- Remove the four perimeter Phillips #00 6mm screws.

Step 15



- Gently slide the motherboard to the left and away from the external ports on the right and then pull it up and out of the laptop.

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