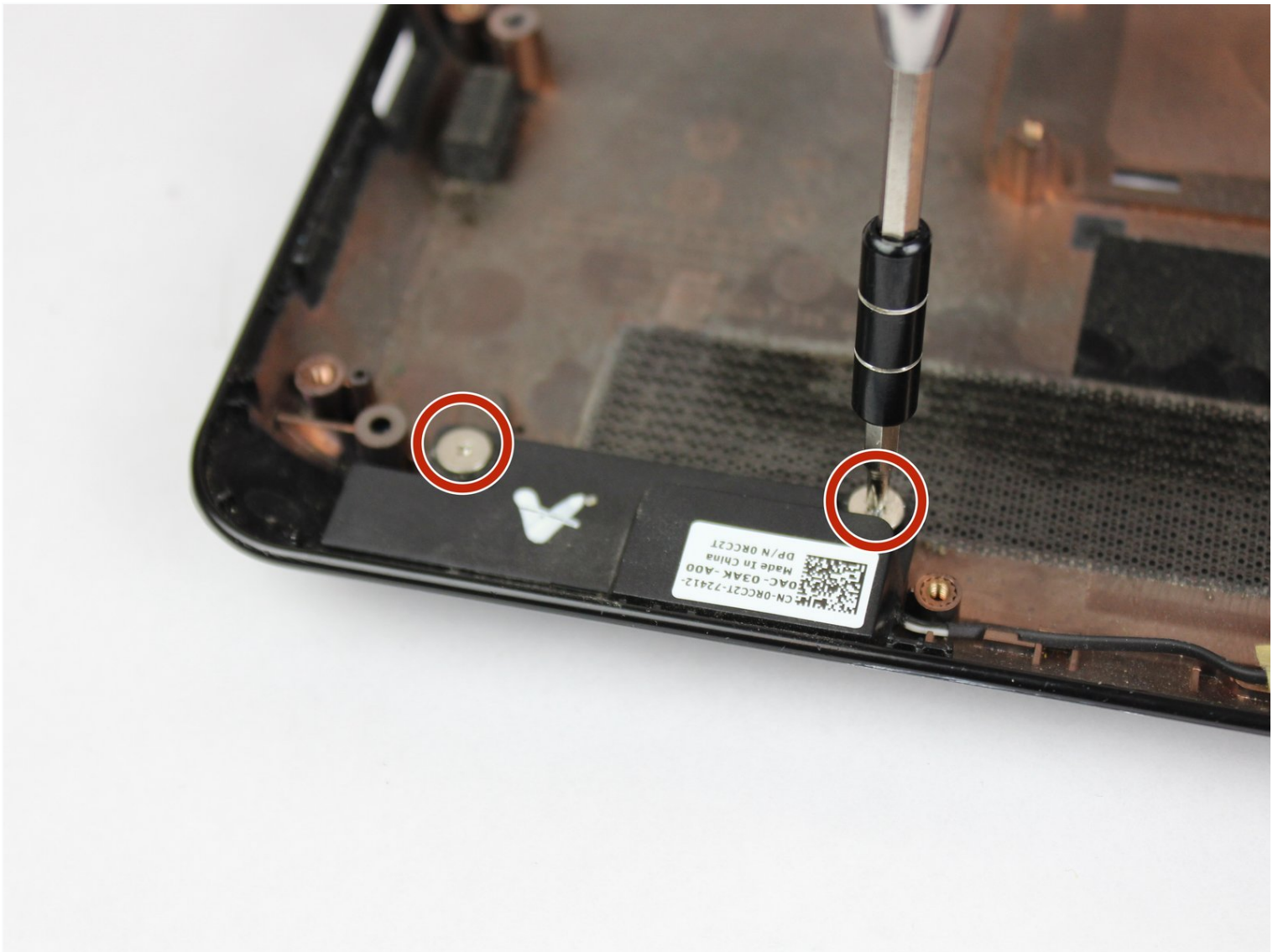




Dell Inspiron N4010 Speaker Replacement

Replacing the speakers can fix possible...

Written By: Jonathan Sellier



INTRODUCTION

Replacing the speakers can fix possible hardware-related sound issues

TOOLS:


Phillips #0 Screwdriver (1)

Spudger (1)

iFixit Opening Tool (1)

Step 1 — Battery



 Make sure the laptop is not plugged into any wall outlets or the charger

- Unlock the battery by sliding the right-hand switch to the right.

Step 2



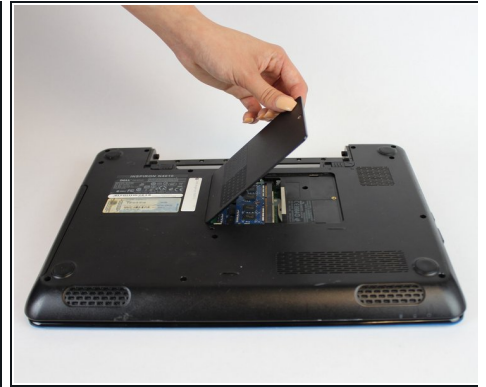
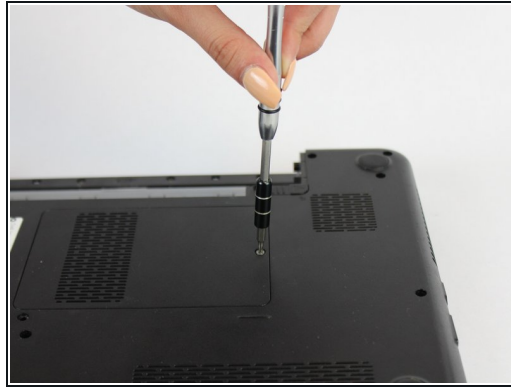
- While holding the left-hand switch to the left position, pull the battery away from the laptop.

Step 3



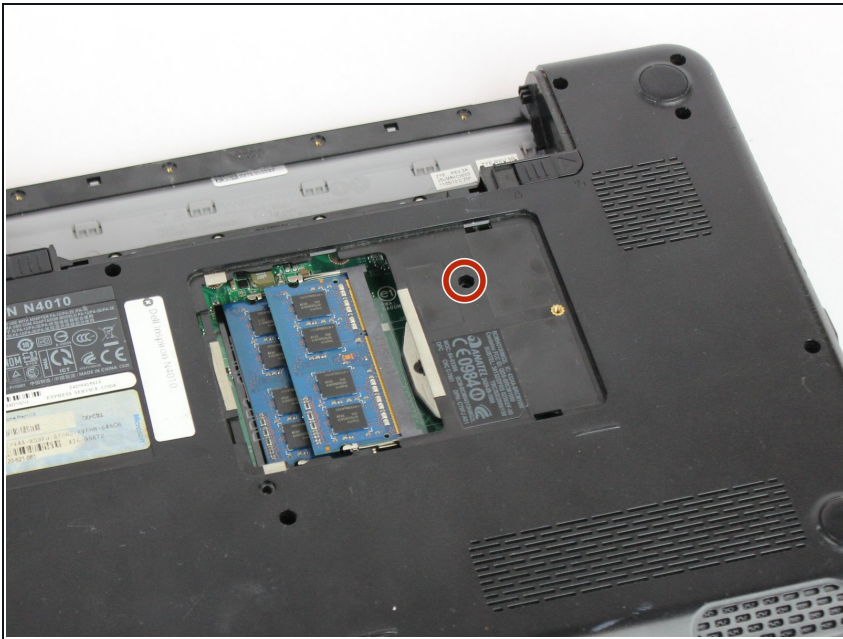
- The battery is now fully removed and the laptop will not power on without it.

Step 4 — Keyboard



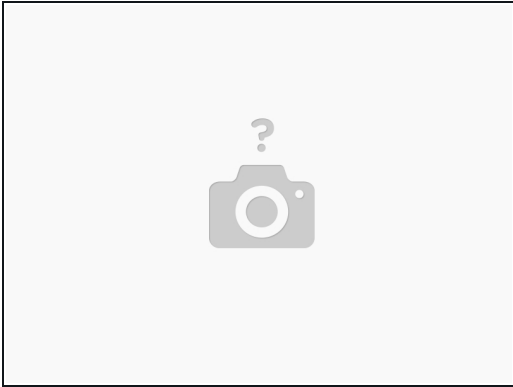
- Using the #0 Philips head, unscrew the indicated screw.
- Carefully pull the RAM cover up and away.

Step 5



- Unscrew the indicated 5.7mm screw beneath the RAM Cover.

Step 6



- Remove another screw above the battery release tab

Step 7



- Using a thin plastic tool (such as a guitar pick or spudger) at the top of the keyboard just above the F7 key, gently pry the keyboard away.
- Move the spudger to either end at the top of the keyboard to fully undo all plastic clips.

Step 8



- Carefully tip the keyboard upwards and pull it slightly away from the body of the laptop.

⚠ Be careful not to put stress on the ribbon cable below.

Step 9



- Carefully unclip the ribbon cable by tipping the keyboard towards the screen.

i The keyboard is now completely disconnected.

Step 10 — Top Cover



- Remove the indicated 5.7mm screws.
- Remove the smaller 3mm screws from underneath the battery compartment.

Step 11



- With a plastic spudger, pry away the silver top cover from the black casing.
- Move the tool to the right and left along the seams to fully disconnect the cover.

Step 12



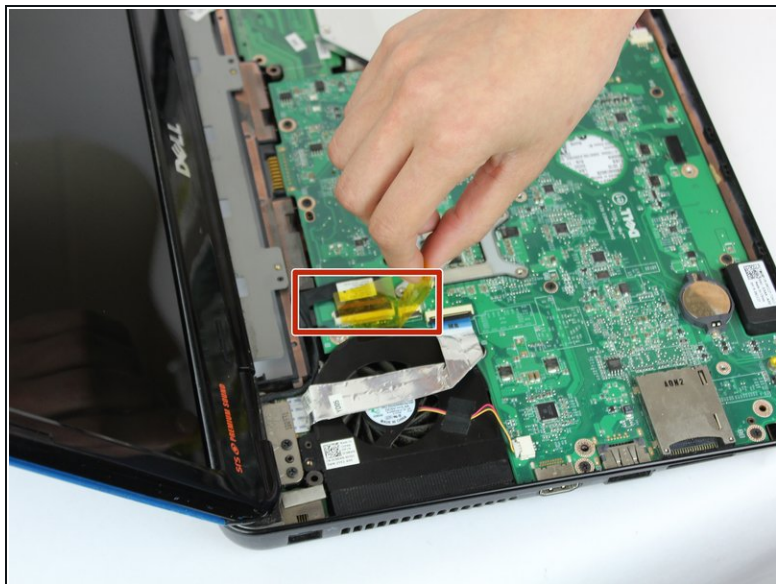
- Disconnect the indicated ribbon cables underneath where the keyboard sits.

Step 13



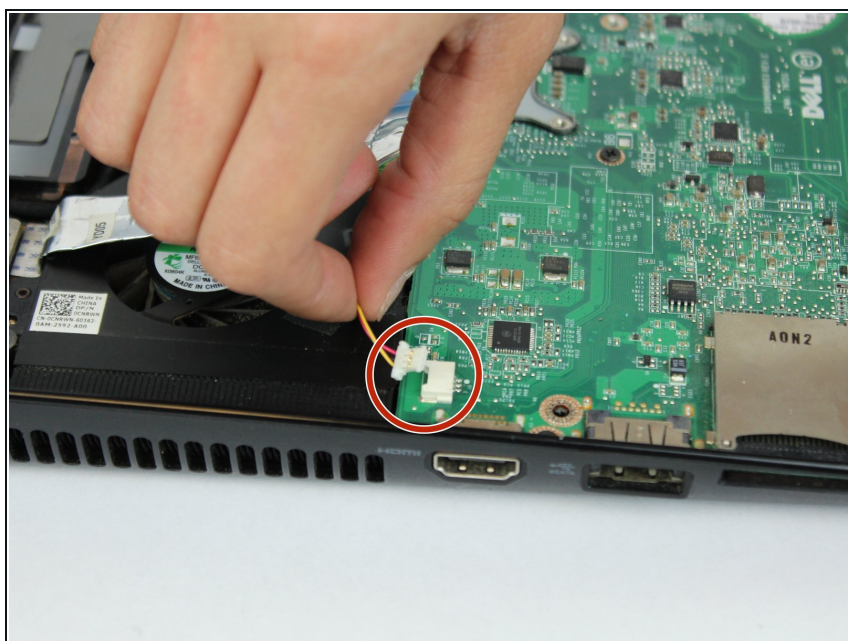
- Lift the cover upwards and away from the body of the laptop, after removing the optical drive and unscrewing the three screws on the right

Step 14 — Fan



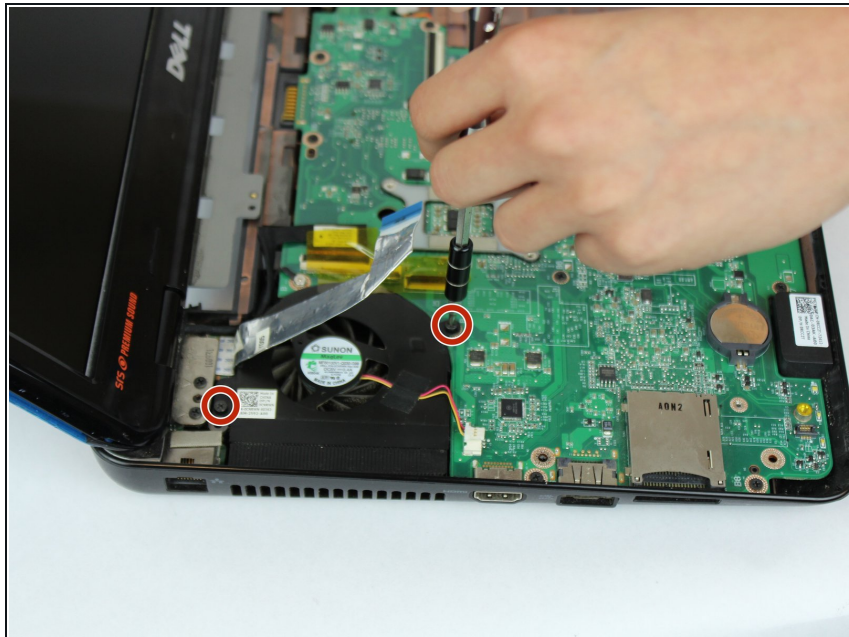
- Peel back the yellow tape to expose the ribbon connector.
- Unplug the ribbon cable from the motherboard.

Step 15



- Unplug the 3-wire connector from the motherboard.

Step 16



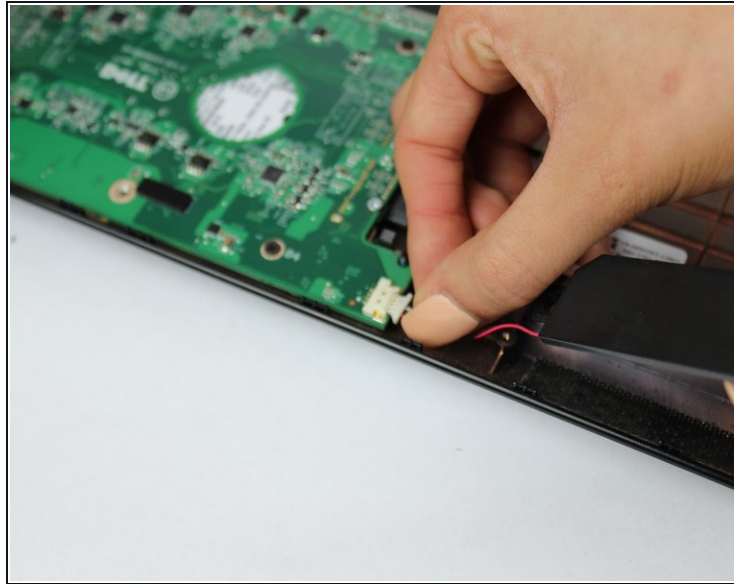
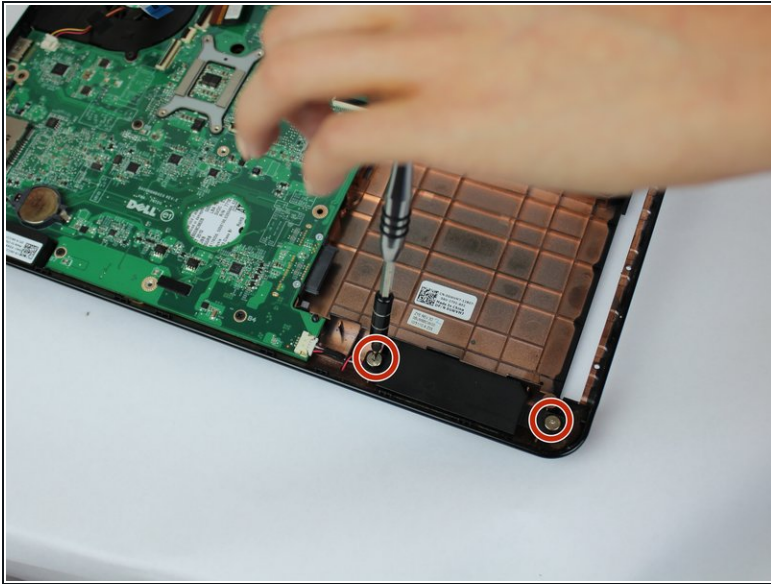
- Unscrew the indicated 5.6mm screws with the #0 Phillips Head Screwdriver.

Step 17



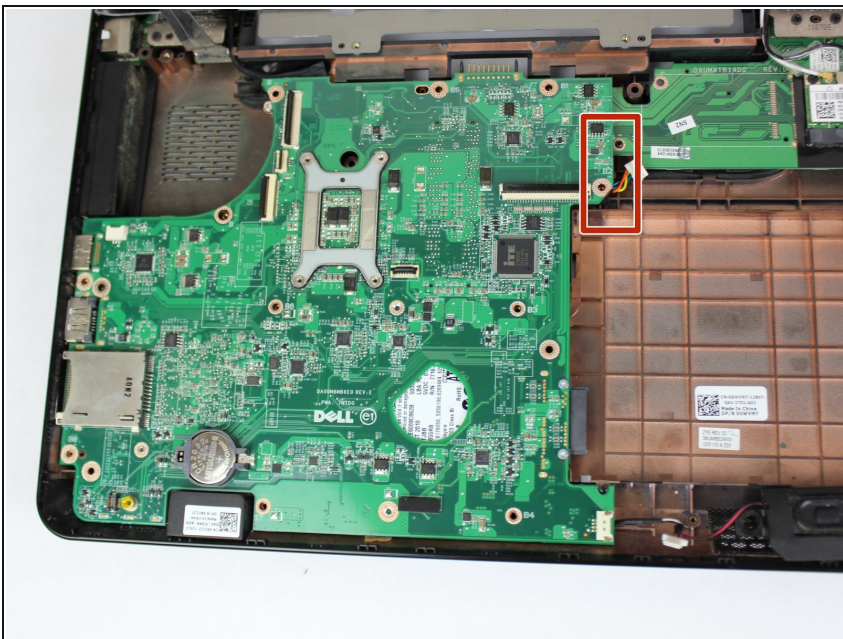
- Remove the fan from the device.

Step 18 — Motherboard



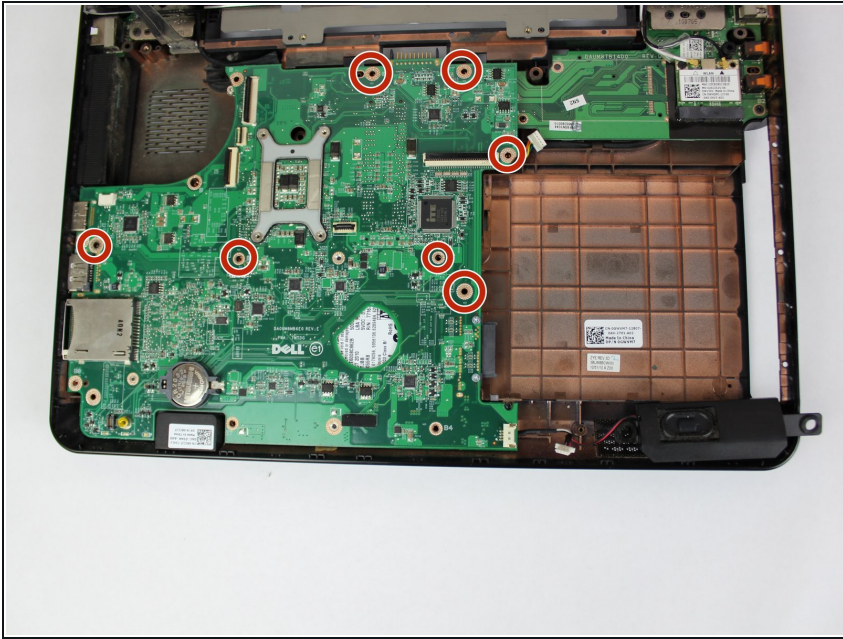
- Unscrew the two screws on the right hand speaker with the #0 Phillips Head.
- Unplug the speaker connector from the motherboard.

Step 19



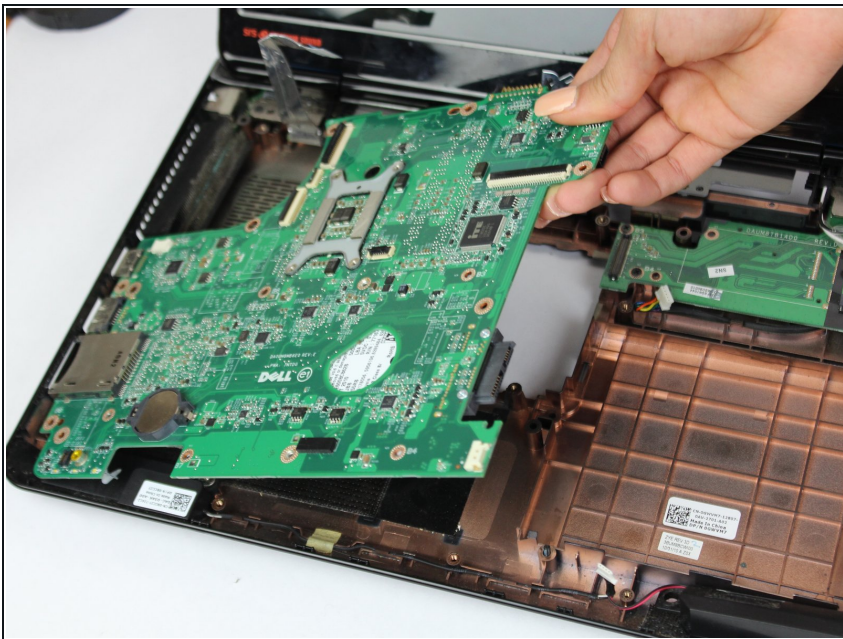
- Reaching under the daughter board, disconnect the connector.
- i** It will be under the board in the area indicated.

Step 20



- Unscrew the indicated 5.6mm screws with a Phillips #0 screwdriver.

Step 21



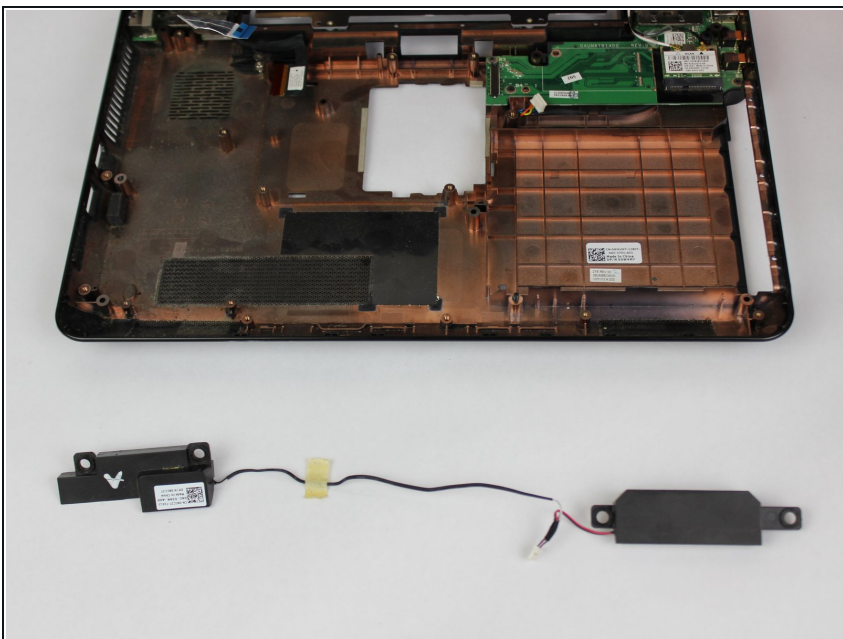
- The motherboard can now be removed by pulling upwards, tilting it to the left of the laptop until the connectors clear the body of the laptop.

Step 22 — Speaker



- Unscrew the (2) two 3.6mm Phillips head screws with the #0 Phillips head.

Step 23



- Remove the speakers from the device.

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