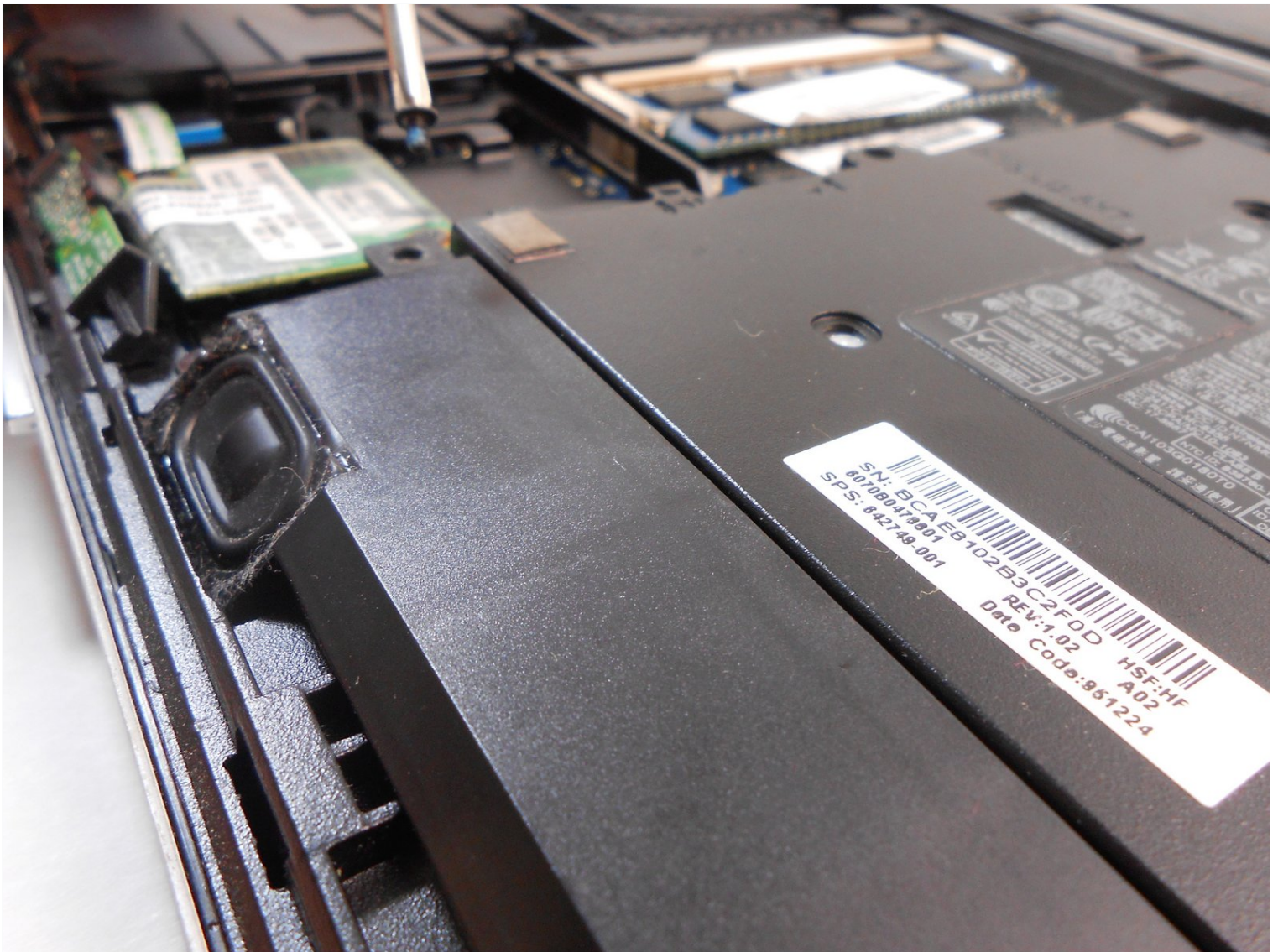




HP Elitebook 8460p Speaker Assembly Replacement

Use this guide to replace the internal speaker...

Written By: Garrett Anderson



INTRODUCTION

Use this guide to replace the internal speaker assembly if the speakers are known to be blown on your HP Elitebook 8460p.

This guide requires disassembling a large part of the laptop and will take a longer period of time. Make sure to keep track of all the components and screws that must be removed. This guide also requires removing the chassis of the laptop which involves pry tools. Complete each step slowly and carefully to avoid breaking any plastic components.

Ground yourself with the ESD strap to prevent electrostatic discharges from damaging any of the components that must be removed or the motherboard.

To complete this guide, you will need a Phillips #0 screw driver, a T2 Torx screw driver, a plastic pry tool, and an ESD strap.



TOOLS:

[Compressed Air](#) (1)

[Phillips #0 Screwdriver](#) (1)

[T2 Torx Screwdriver](#) (1)

[Spudger](#) (1)



PARTS:

[Speaker Assembly 641840-001](#) (1)

Step 1 — Battery



- On the back of the computer, slide the left switch towards the outside of the laptop until you hear a click.

Step 2



- Slide the battery away from the switches until it can be lifted away from the laptop.
- Lift the battery away from the laptop.

Step 3 — Back Panel



- On the back of the laptop, slide the right switch toward the outside of the laptop until you hear a click.

Step 4



- Slide the back shell of the laptop away from the switches until it can be lifted up.
- Lift the shell straight up.

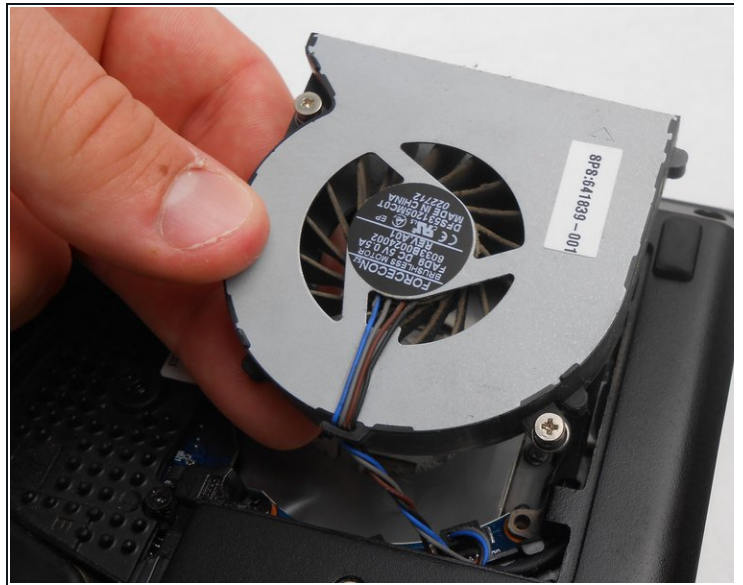
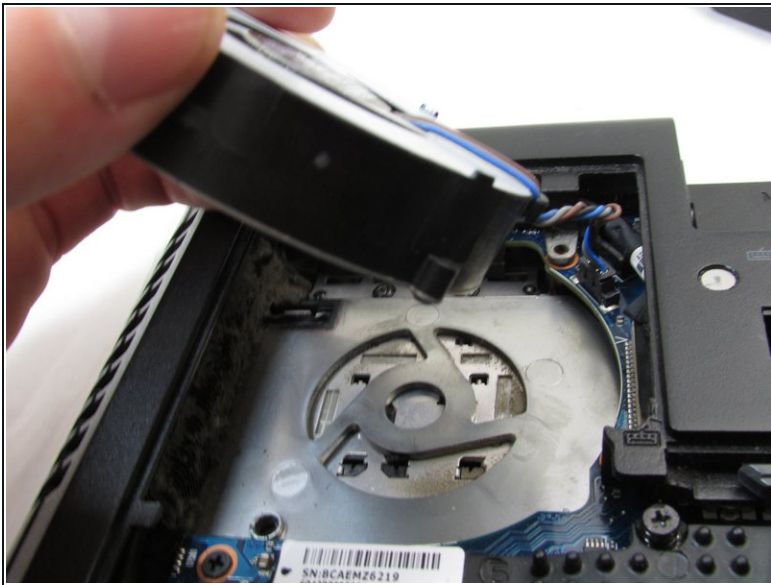
Step 5 — CPU Cooling Fan



⚠ Attach an ESD strap to your wrist and to a ground.

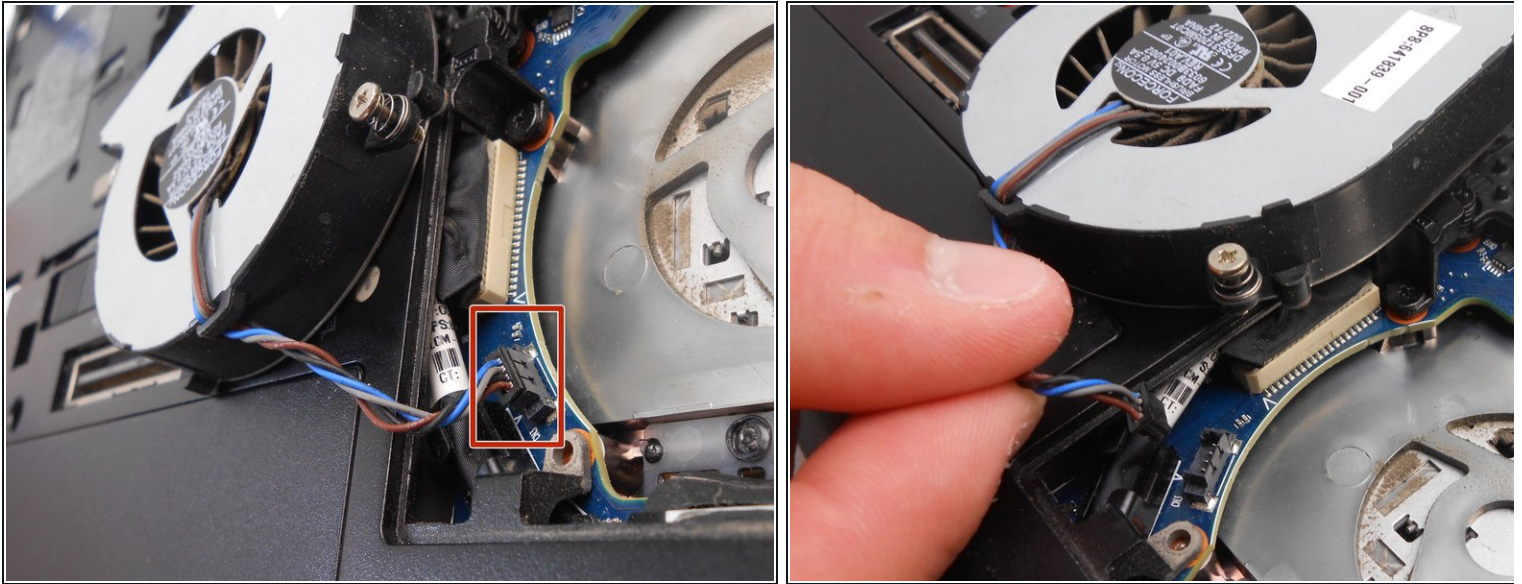
- Using a Phillips #0 bit, unscrew the two screws on opposite corners of the fan.

Step 6



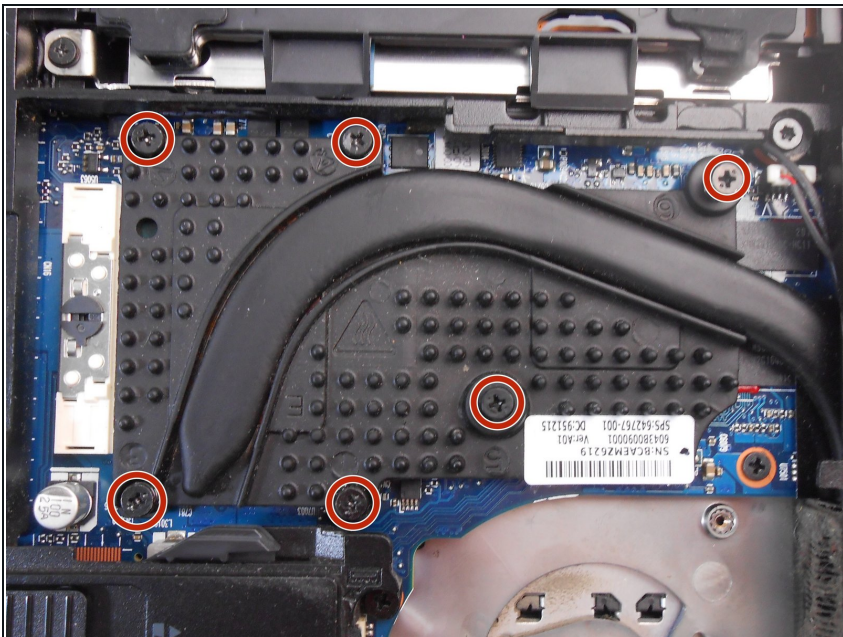
- Pull the fan straight up and to the side slightly.

Step 7



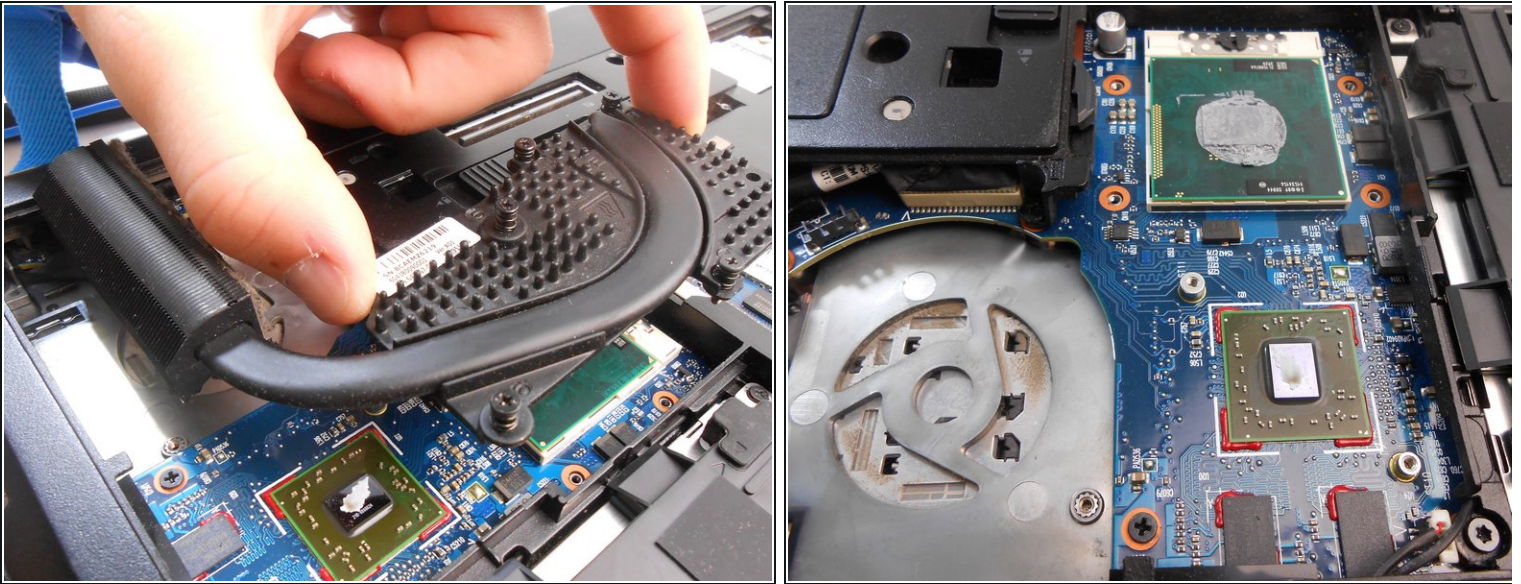
- Disconnect the small electrical connector. Pry the edge up with your finger nails or using a small plastic pry tool.

Step 8



- Using a Phillips #0 bit, unscrew the six screws on the heat sink.

Step 9



- Pry the inside edge up, pulling the entire assembly to the inside of the laptop, exposing the processor and graphics processor

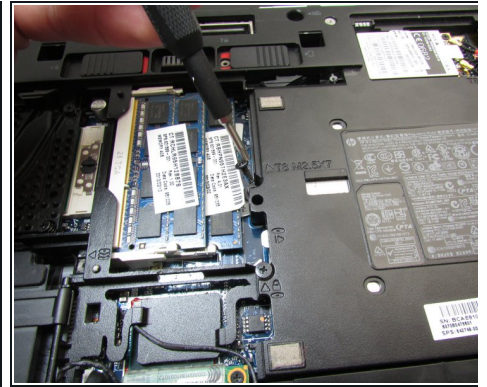
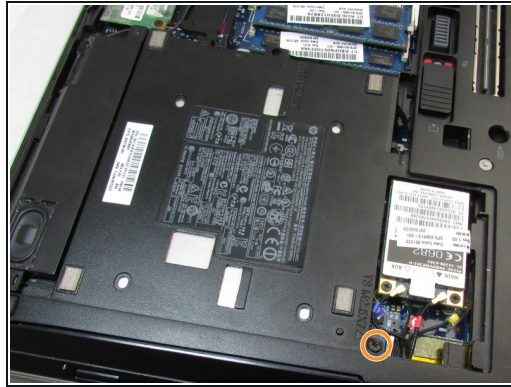
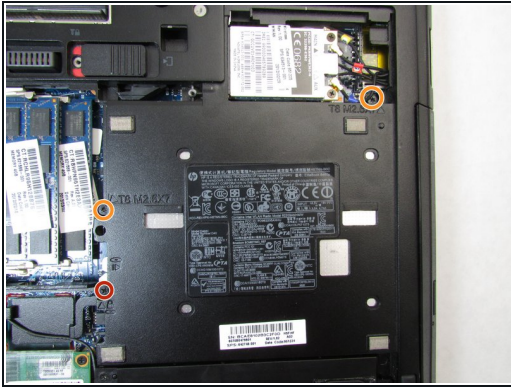
① Clean and replace the thermal paste on the processor if you have any thermal paste.

Step 10



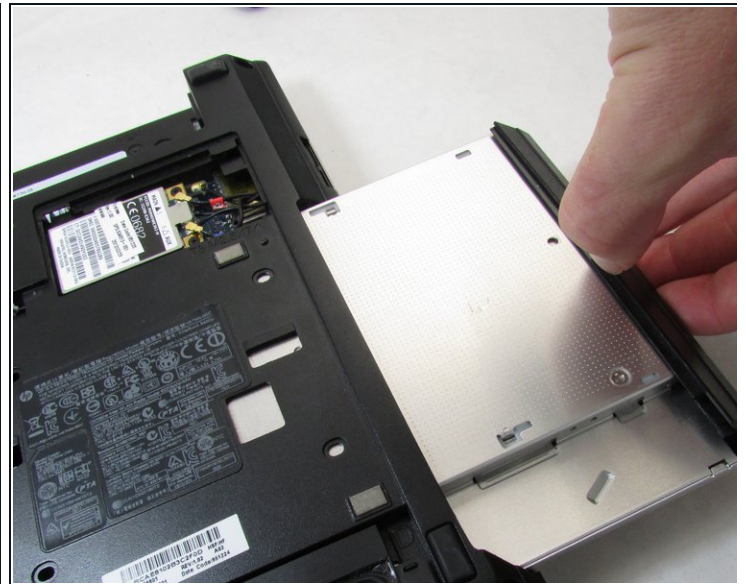
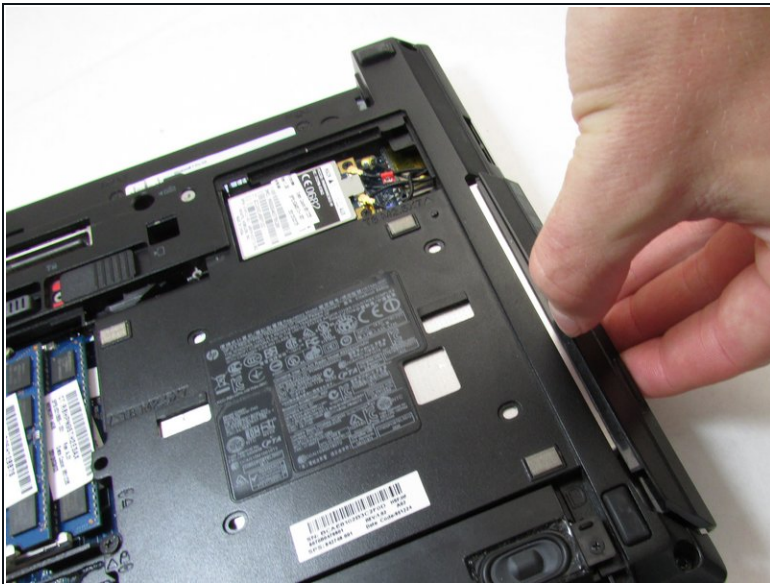
- Blow compressed air through the vent from the outside and through the heat sink.

Step 11 — Optical Drive



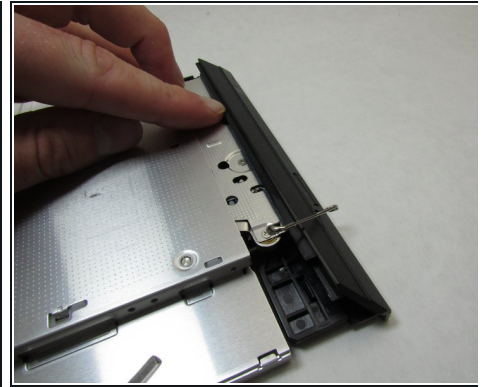
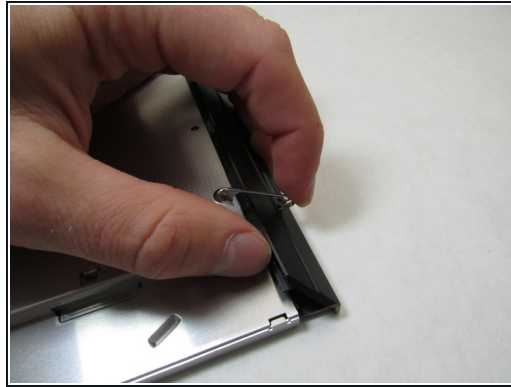
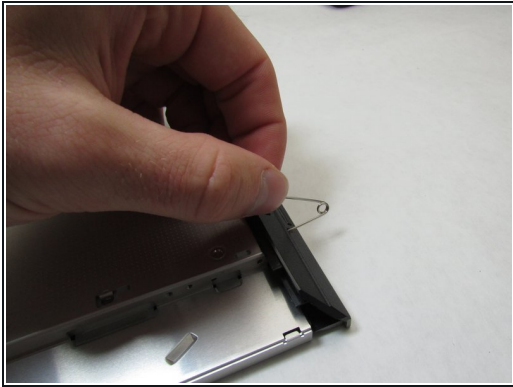
- Using a Phillips #0 bit, unscrew the one Phillips head screw.
- Using a T2 Torx screwdriver, remove the two 8.0mm Torx screws.

Step 12



- With your fingernail, pry the edge of the optical drive away from the chassis of the laptop and pull it straight out.

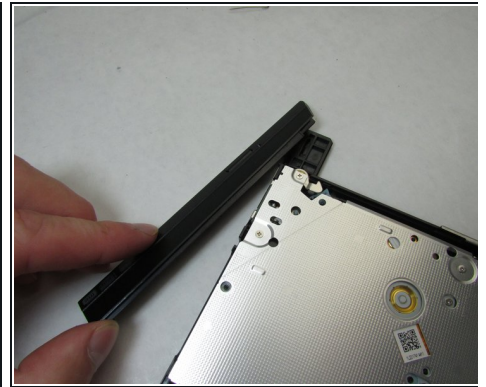
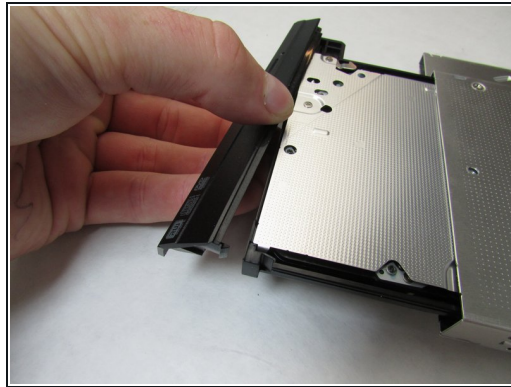
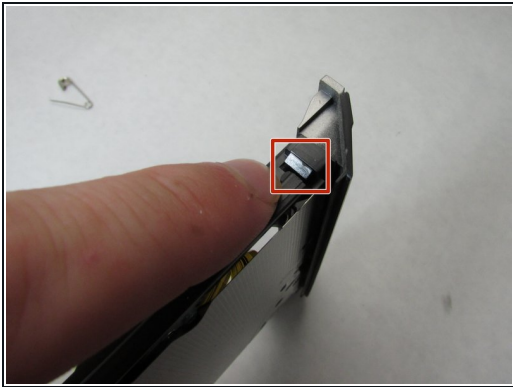
Step 13



i Skip this step if you are removing the optical drive to fix or replace a different component in the laptop.

- Using a small paper clip, push the paper clip straight in to open the optical drive.

Step 14



i Skip this step if you are removing the optical drive to fix or replace a different component in the laptop.

- Using a small point, pop the tab out.
- Rotate the plastic cover clockwise to release the tab on the left hand side of the optical drive.

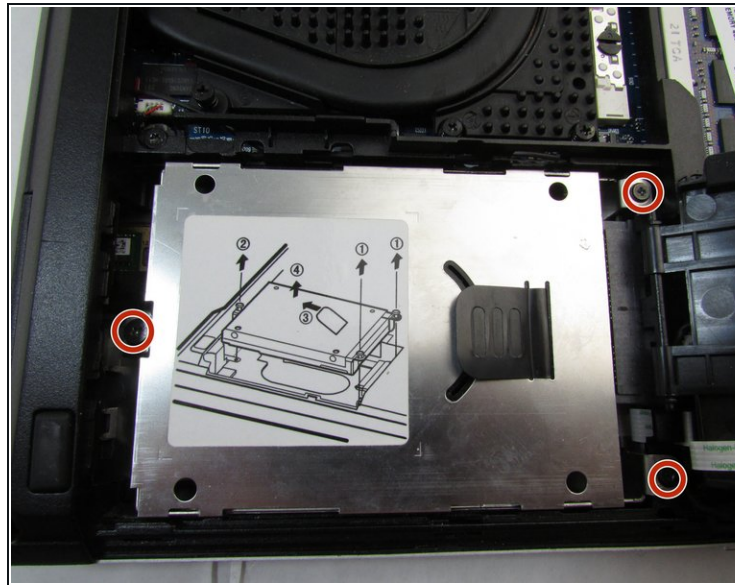
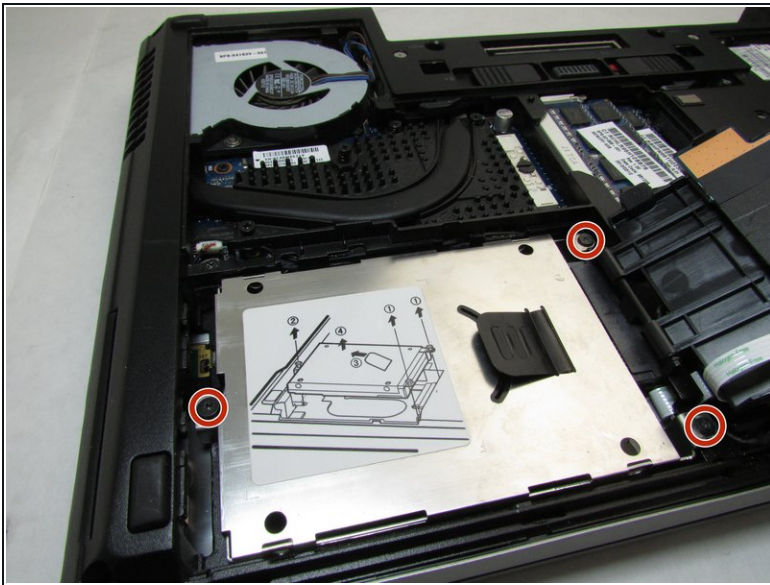
Step 15 — Hard Drive



⚠ Attach an ESD strap to your wrist and to a ground.

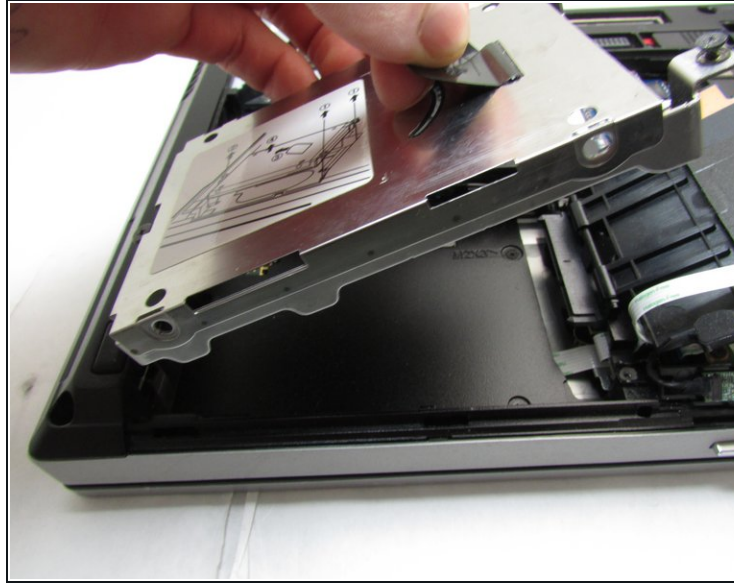
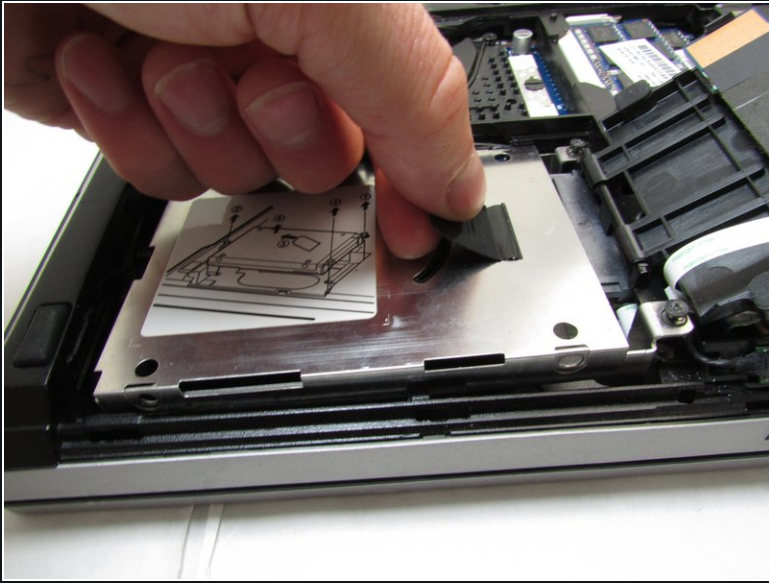
- Pull the tab with the small engraved arrow up and towards the inside of the laptop.

Step 16



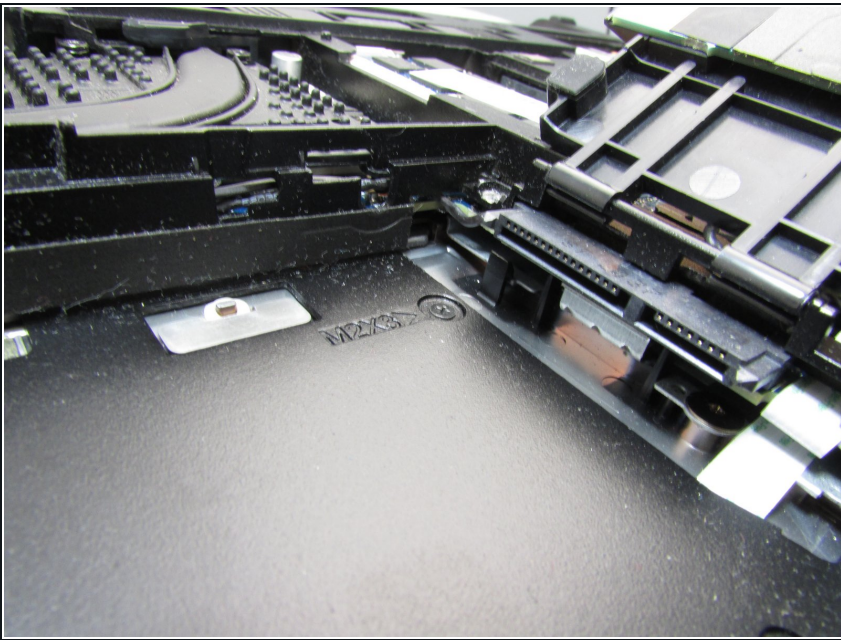
- Using a Phillips #0 bit, unscrew the three screws that hold the hard drive assembly in place.

Step 17



- Remove the silver metal cover by pulling straight up on the black tab.

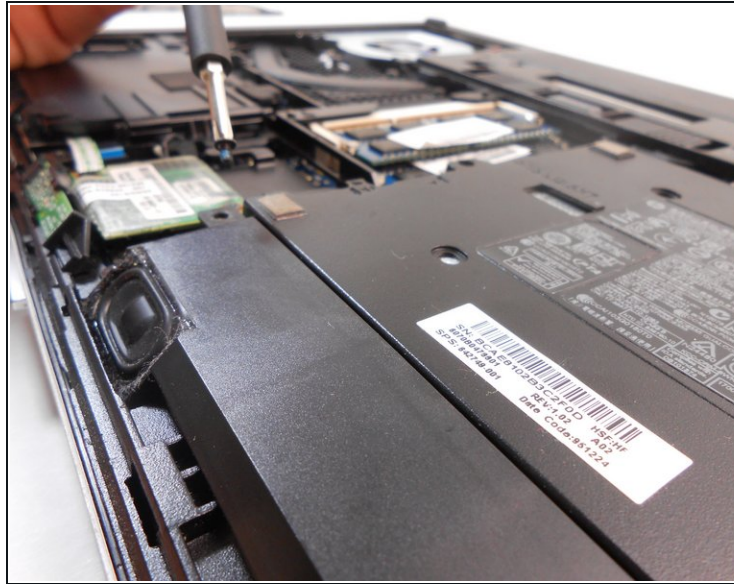
Step 18



- Disconnect the hard drive by pulling the drive straight out to the left.

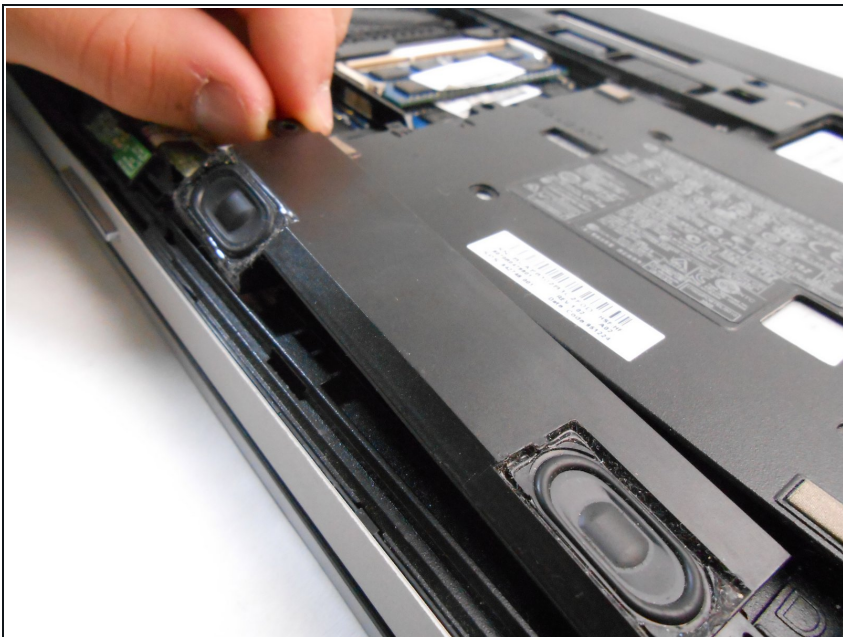
ⓘ If replacing the hard drive, seat the new hard drive firmly in the connector.

Step 19 — Speaker Assembly



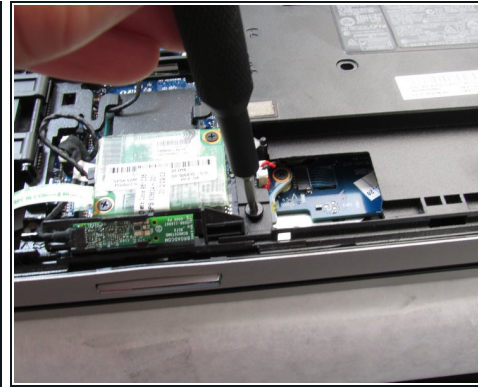
- Using a Phillips #0 screwdriver, remove the two 3.0mm screws holding the speaker assembly in place.

Step 20



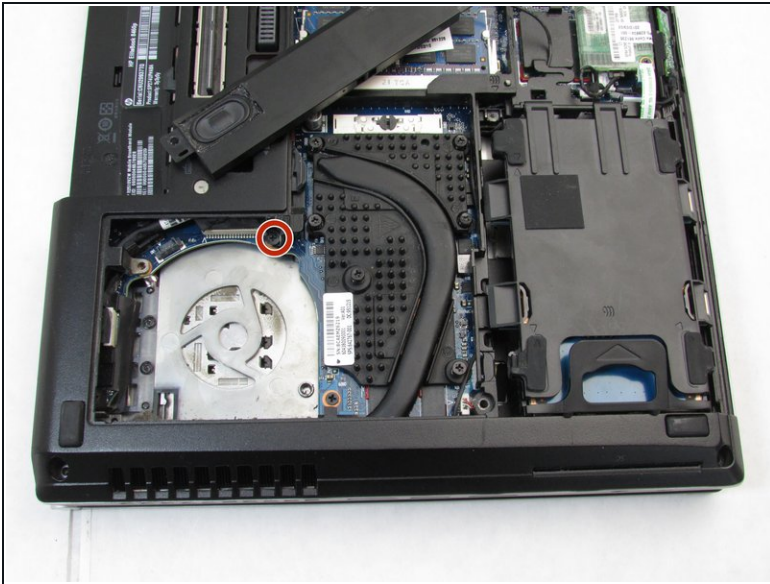
- Grasping one corner with two fingers, lift the speaker assembly up and out of the laptop.

Step 21



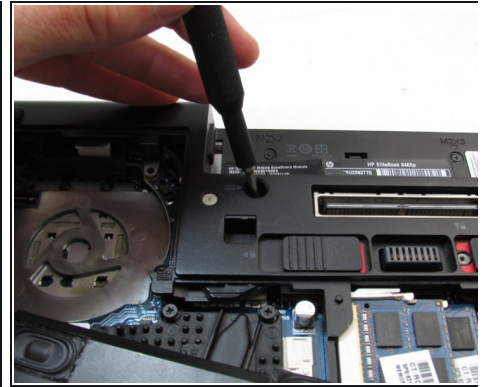
- Using a T2 Torx screwdriver, remove the six 8.0mm Torx screws.
- ❗ Four of the Torx screws are located on the four corners of the laptop and the other two are next to the hard drive assembly.

Step 22



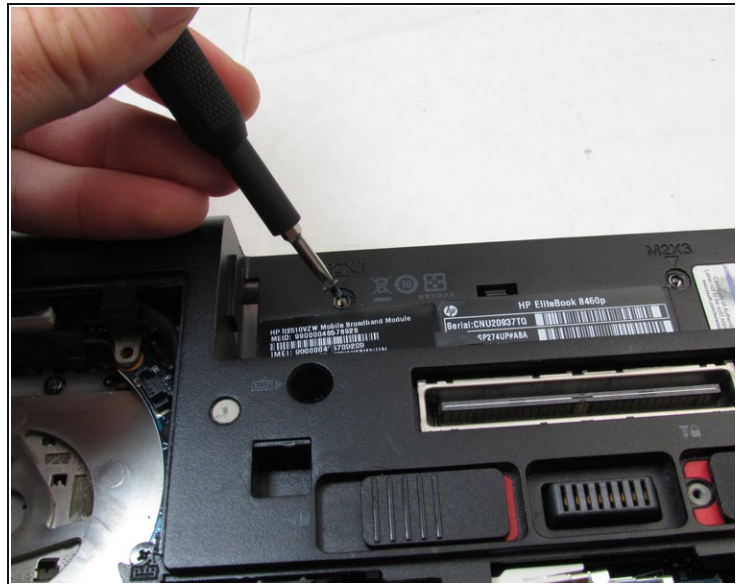
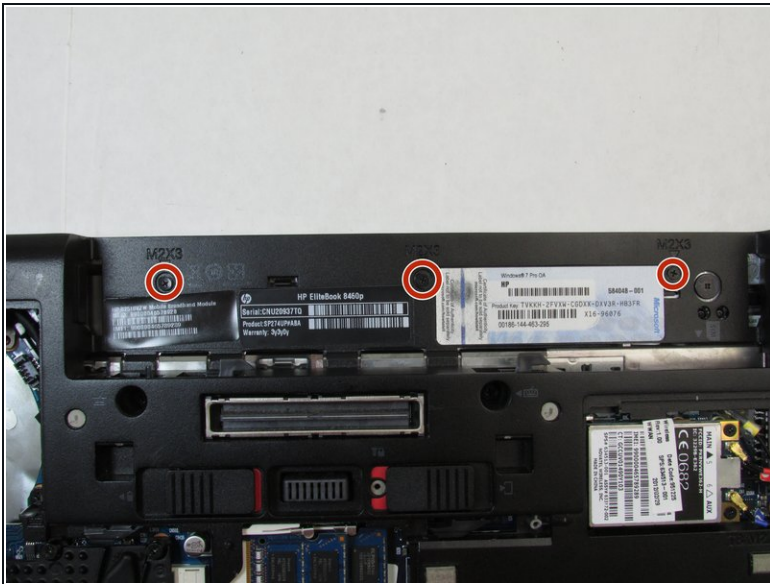
- Using a Phillips #0 screwdriver, unscrew the Phillips screw next to the fan assembly.

Step 23



- Using a Phillips #0 screwdriver, unscrew the two Phillips screws next to the battery.

Step 24



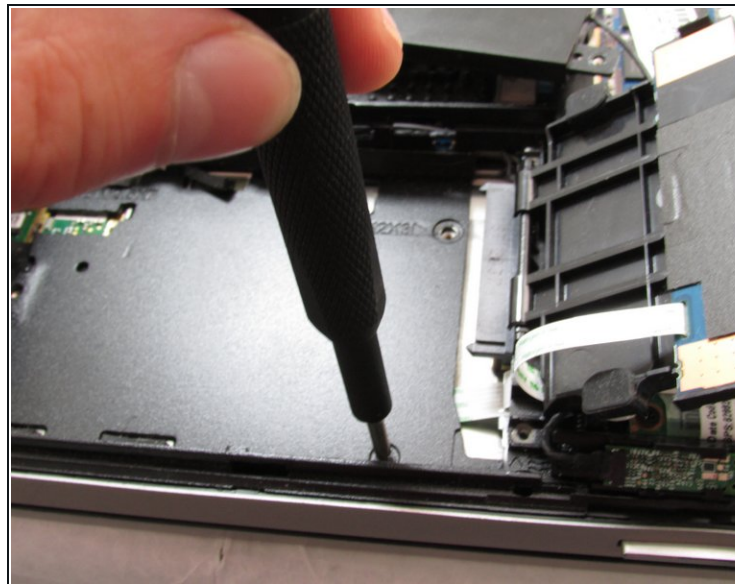
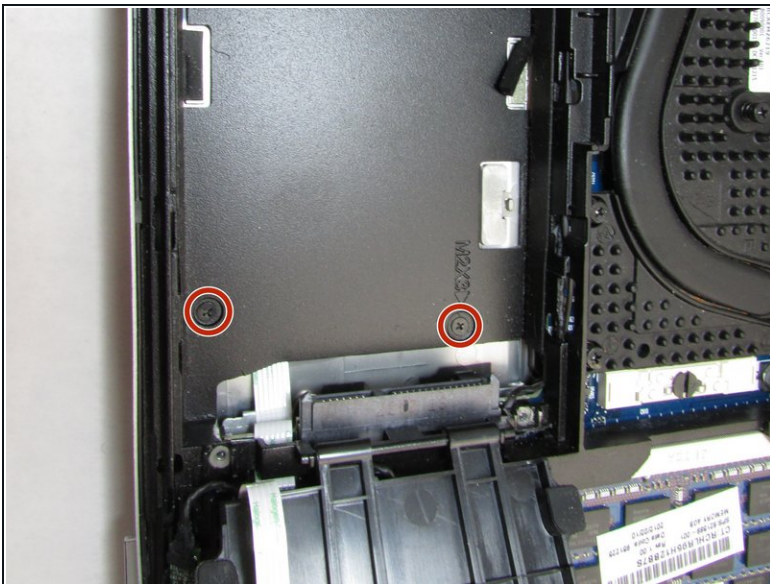
- Using a Phillips #0 screwdriver, remove the three 2.0mm Phillips screws underneath the battery.

Step 25



- Using a Phillips #0 screwdriver, remove the two 3.0mm Phillips screws to the right of the optical drive slot

Step 26



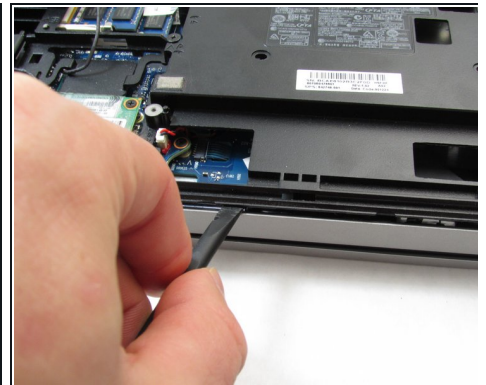
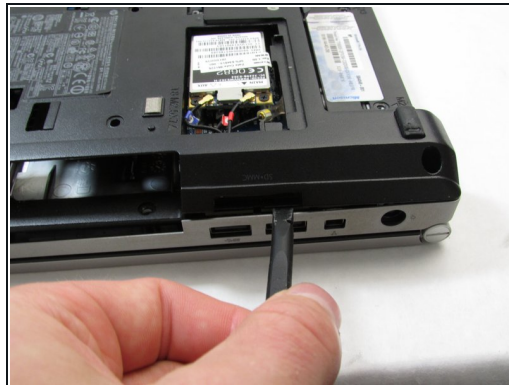
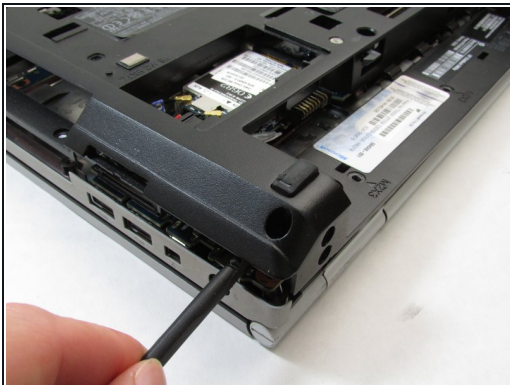
- Using a Phillips #0 screwdriver, remove the two 2.0mm Phillips screws underneath the hard drive assembly.

Step 27



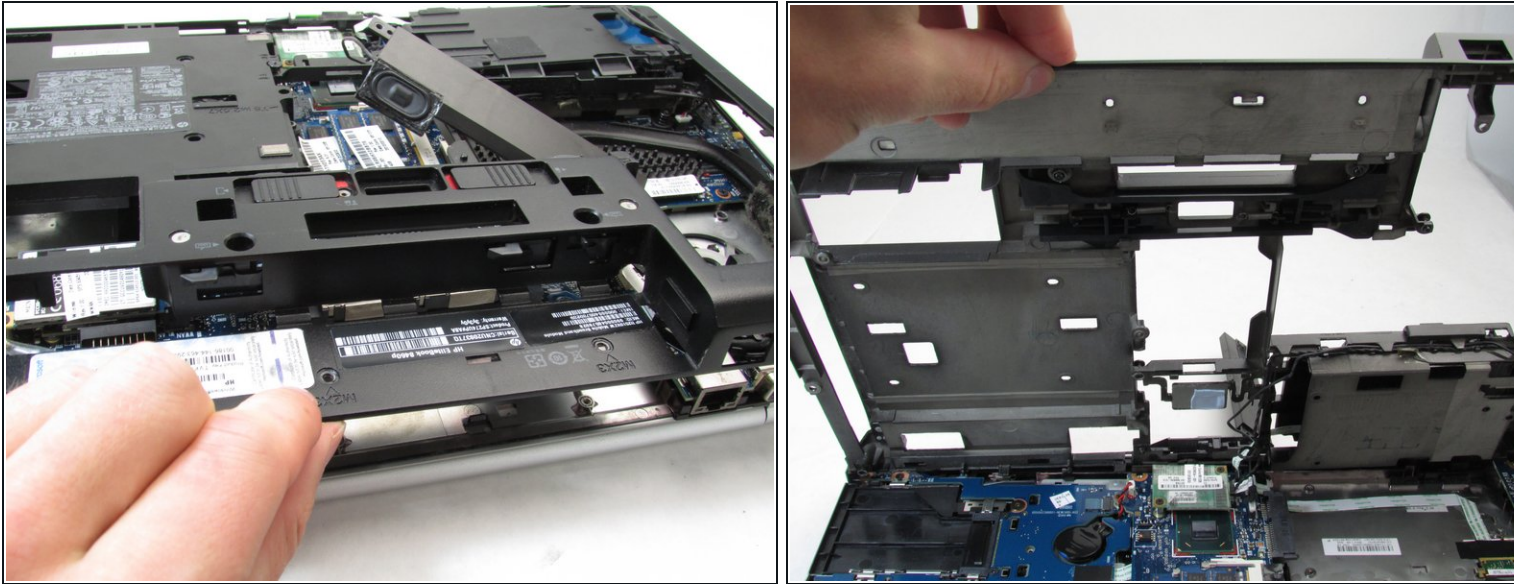
- Using a T2 Torx screwdriver, remove the four 8.0mm Torx screws on the back side of the laptop.

Step 28



- Using a spudger, work your way around the edge of the laptop popping the plastic chassis up.

Step 29



- Lift the chassis up and detach the small connector between the hard drive and heat sink.

Step 30



- Disconnect the speaker connector from the motherboard.
- Remove the old speaker assembly and connect the wire for the new speaker assembly in the same location.

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