



Dell XPS 17 L702X Speaker Replacement

Written By: Eddie





TOOLS:

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

Step 1 — Battery



- ❗ Before you begin, be sure to turn off your laptop and unplug it from the outlet.
- Flip over the laptop so that the bottom battery compartment faces upwards.

Step 2



- Slide the tab below the battery to the left and hold the tab in place.

Step 3



- While holding the tab, lift the battery out of its compartment.
- Release the tab after removing the battery.

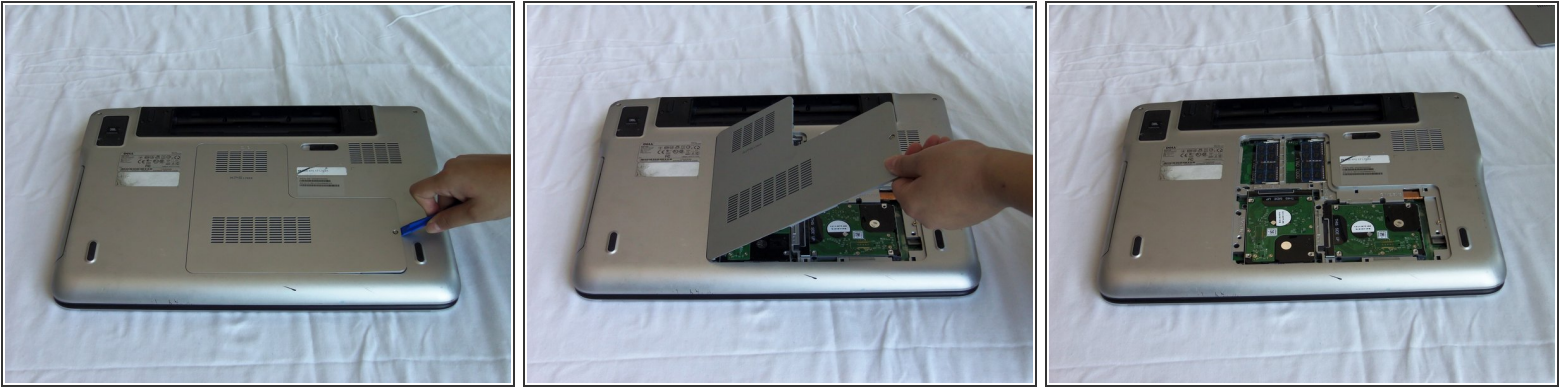
Step 4 — Hard Drive



- Loosen the module cover screw with a Phillips screwdriver.

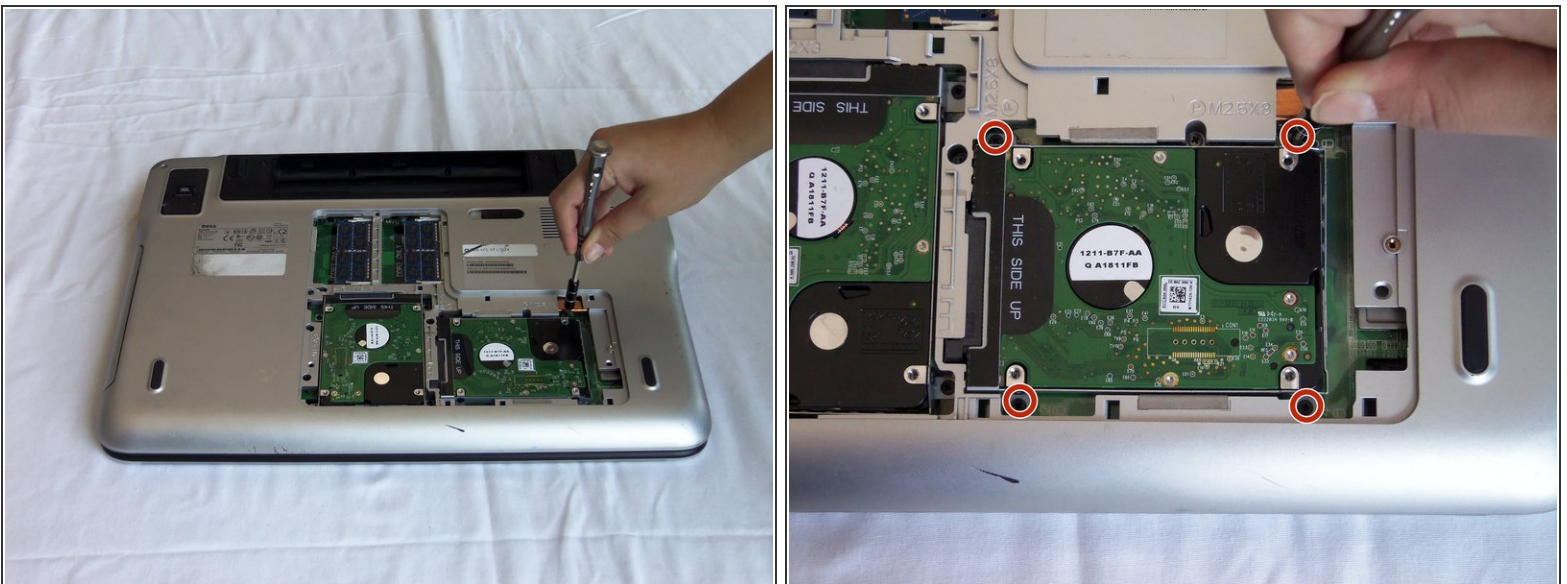
⚠ The screw is attached to the cover; do not force it out.

Step 5



- Lift the module cover by inserting a plastic opening tool into the crevice near the screw and lift upwards.

Step 6



- Remove the four 4mm Phillips screws fastening the first hard drive.

Step 7



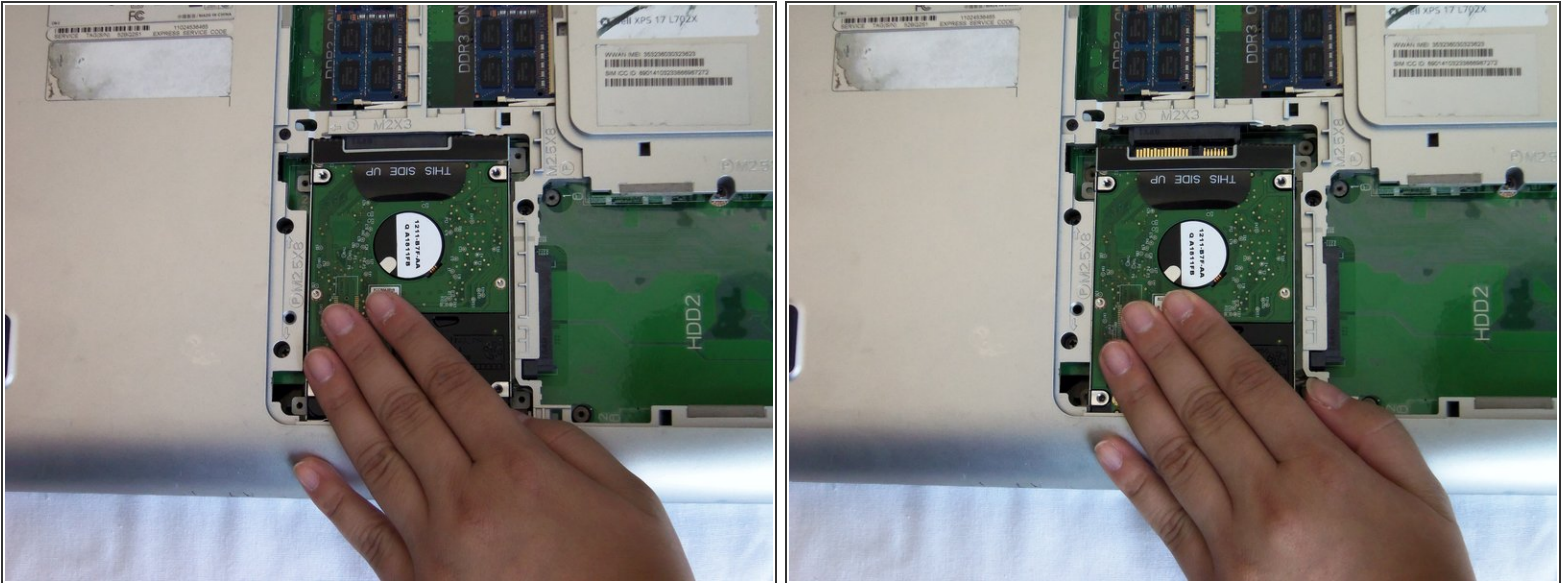
- Slide the hard drive with your hand towards the hole where the back panel assembly screw was located (in step 5) to disconnect it.
- Lift the hard drive up to remove it from the case.

Step 8



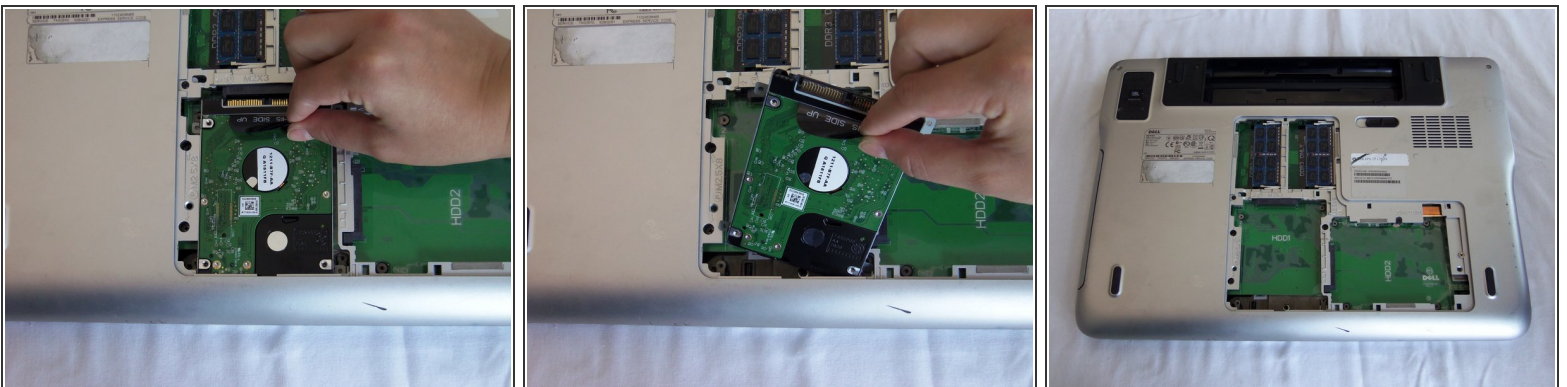
- Remove the four 4mm Phillips screws on the second hard drive.

Step 9



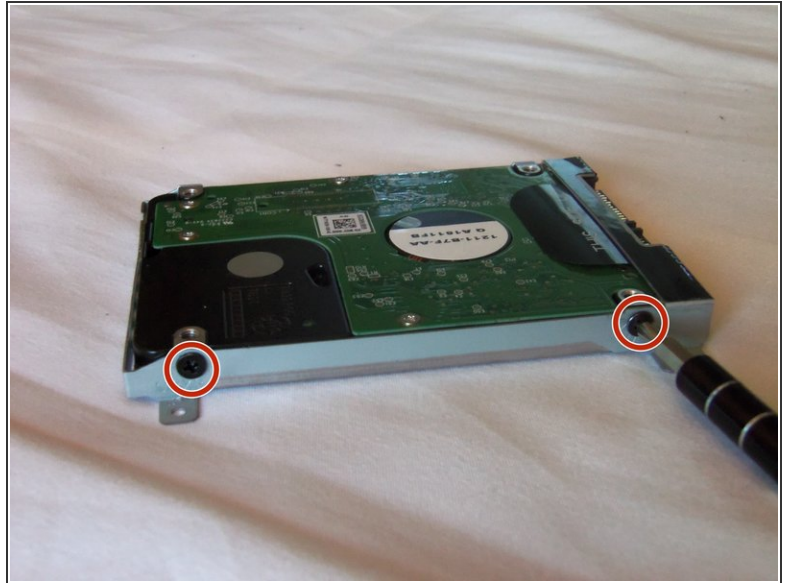
- Slide the hard drive towards the edge nearest you to disconnect it.


Step 10



- Using the tab that says "THIS SIDE UP," pull away from the laptop to remove the hard drive.

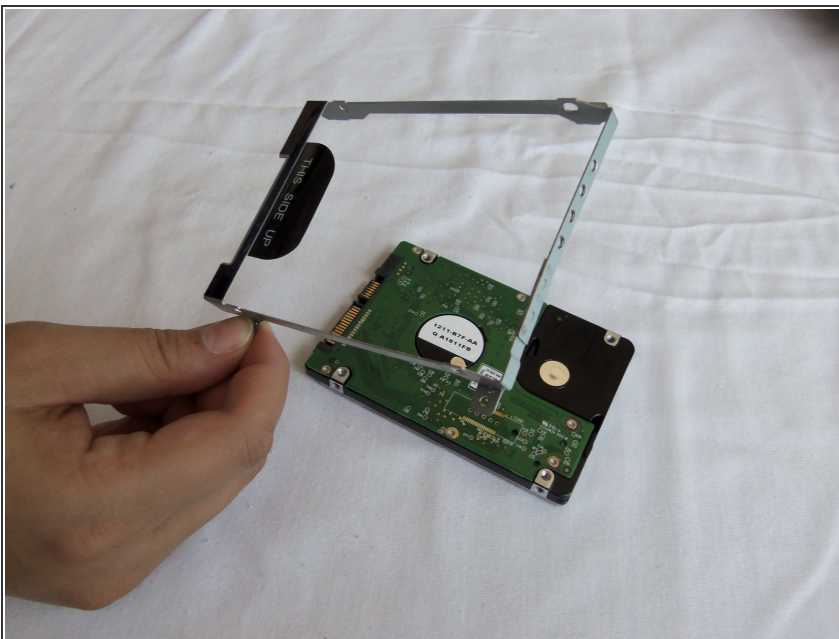
Step 11



 Repeat this step for each hard drive.

- Unscrew the two 4mm screws from each side of the hard drive casing with a Phillips screwdriver.

Step 12



- Remove the hard drive casing.

Step 13 — Palm Rest



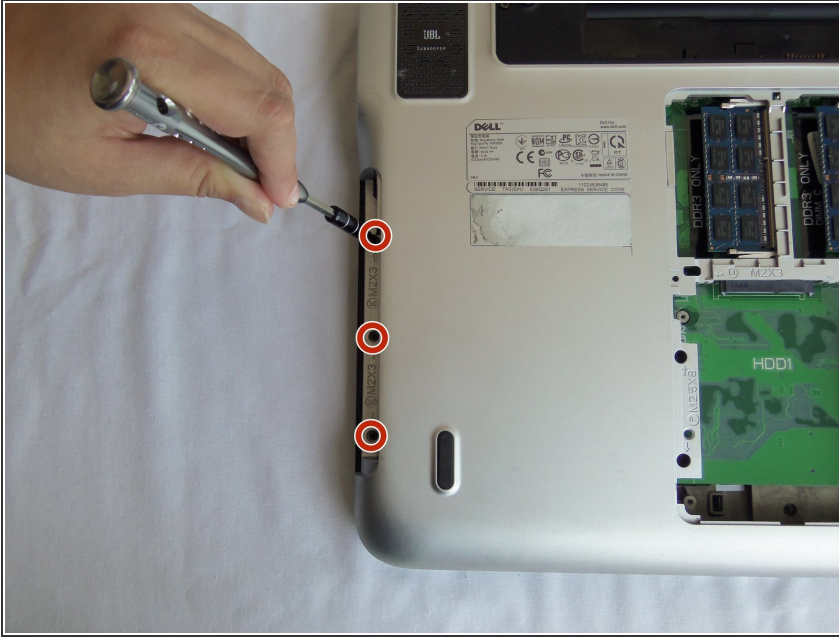
- Unscrew the screw holding the optical drive with a Phillips screwdriver.

Step 14



- Using a plastic opening tool, pull out the optical drive.

Step 15



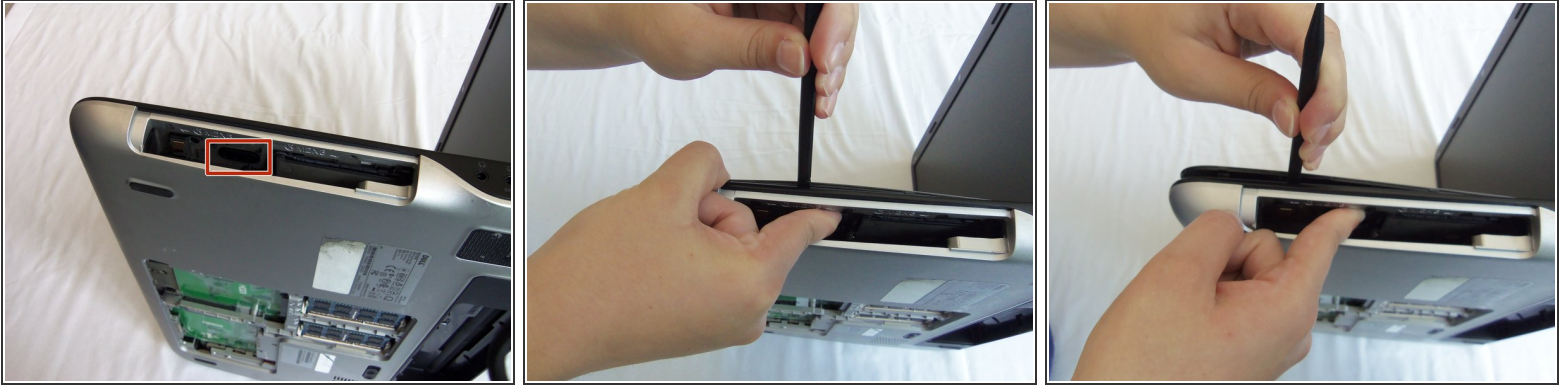
- Unscrew three 4mm screws near the edge of the optical drive compartment with a Phillips screwdriver.

Step 16



- Open the laptop to about a 90 degree angle and place it on its side with the empty optical drive slot pointing upwards.

Step 17



- Push and hold the tab inside the optical drive's opening with your index finger.
- Insert a spudger between the black and silver plastic pieces that are above the tab and pry apart the two pieces.

Step 18

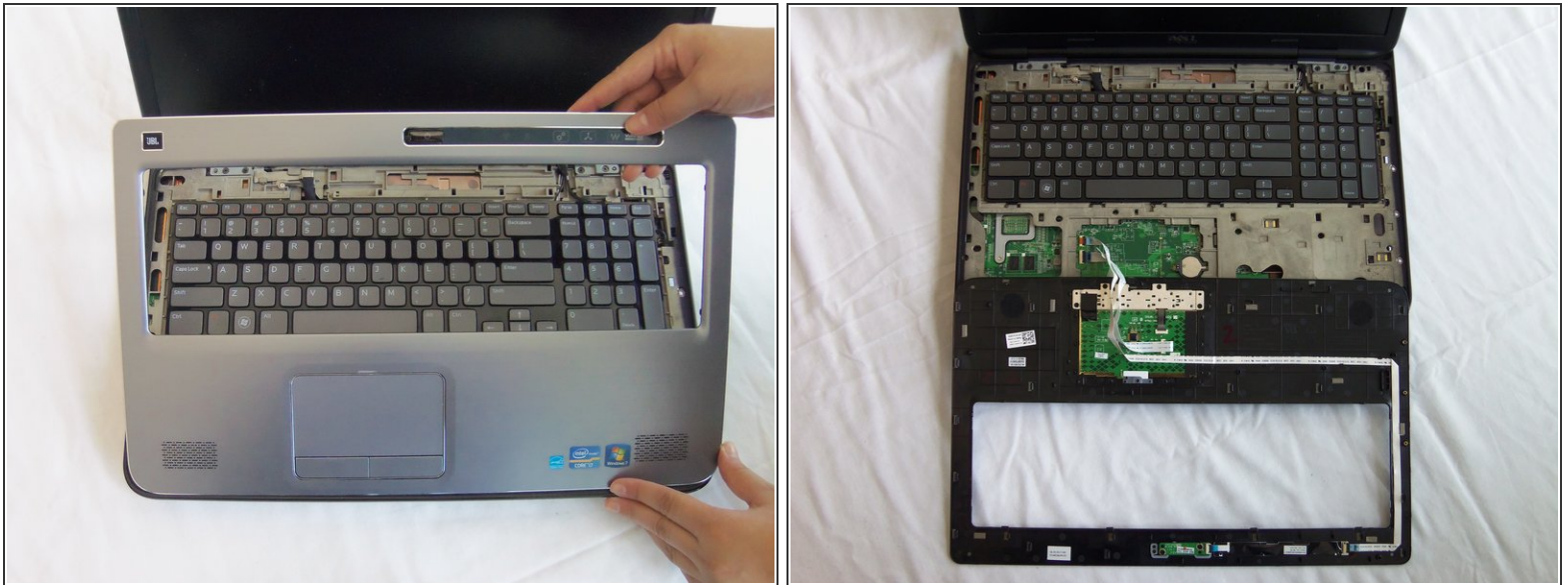


- Slide the spudger around the palm rest to release the clips.

i You may hear a crackling noise; this is normal.

⚠ Use caution when sliding below the mouse pad, as there are wires we must detach in the next steps.

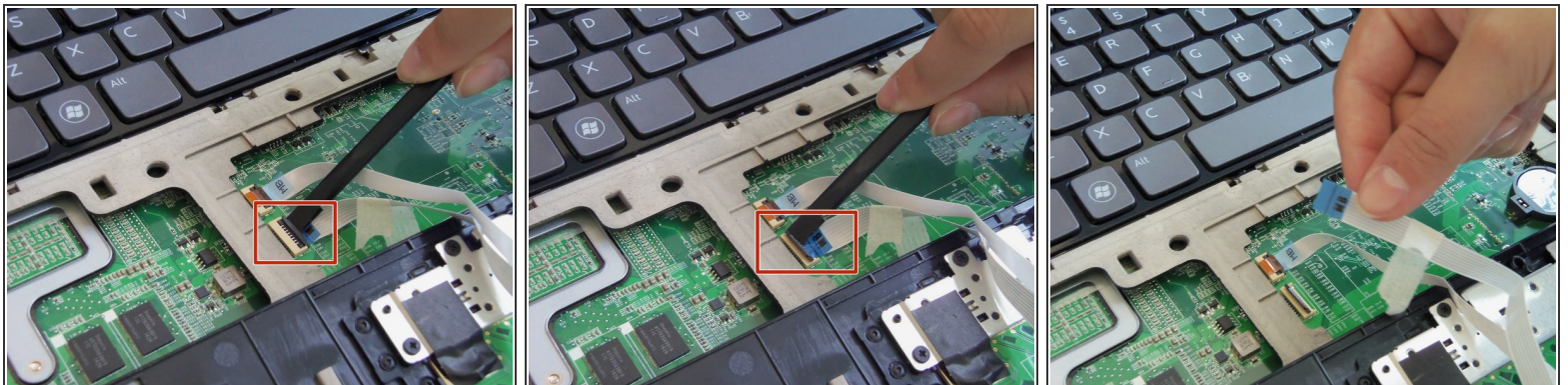
Step 19



- Gently lift and rotate the palm rest panel until it's upside down as it is still connected by the mouse pad wires.

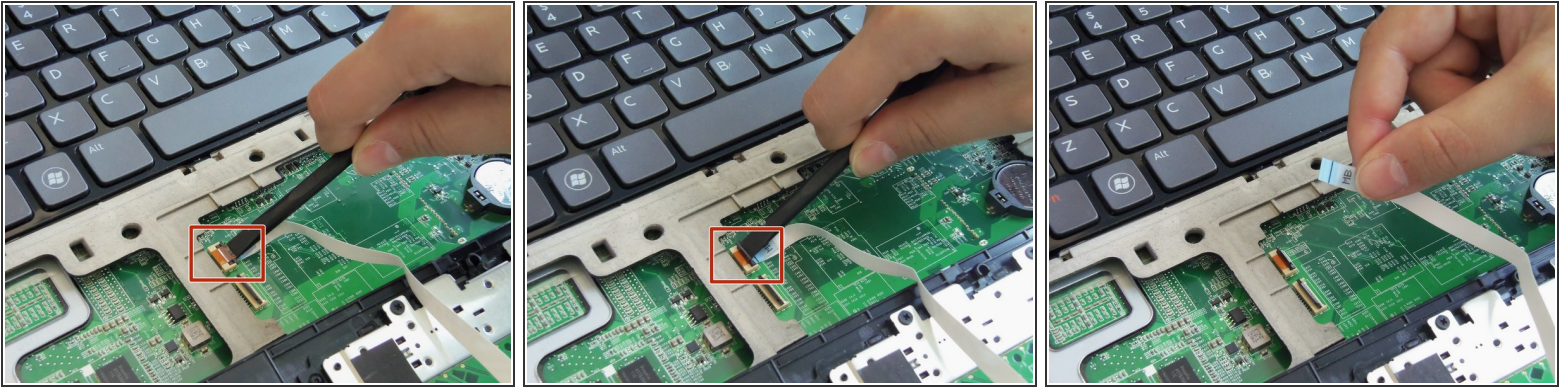
⚠ The mouse pad wires are still connected to the palm rest panel.

Step 20



- Put the spudger below the black tab of the wider cable and push up to release.
- Gently pull out the cable.

Step 21



- Insert the spudger below the black tab of the remaining cable and push up to release.
- Gently pull out the cable.

Step 22



- Remove the palm rest from the laptop.

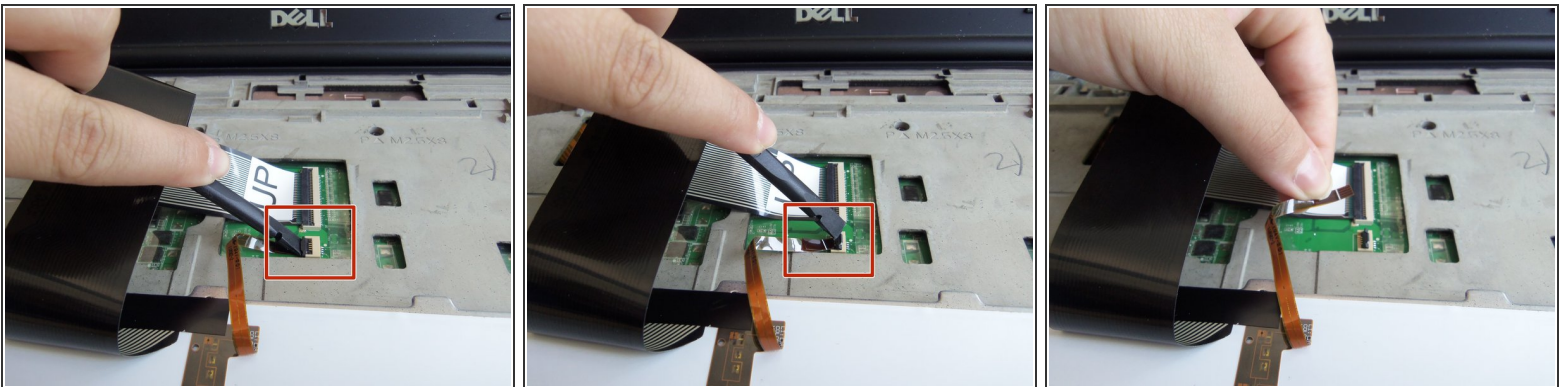
Step 23 — Keyboard



- Using the plastic opening tool, slightly lift and rotate the keyboard until it's upside down from the display side of the laptop.

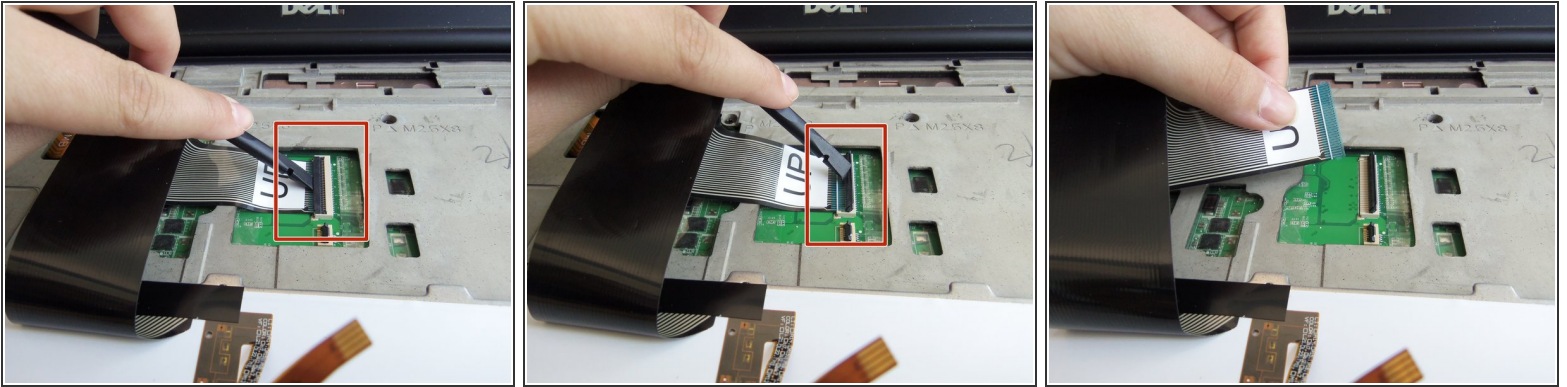
⚠ DO NOT lift the keyboard all the way up as there are wires that are still connected.

Step 24



- Gently insert the spudger below the edge of the black tab of the thin, copper colored cable and pry it open.
- Gently pull out the cable.

Step 25



- Gently insert the spudger under the edge of the black tab of the cable marked "UP" and pry it open.
- Gently pull out the cable.

Step 26



- Remove the keyboard from the laptop.

Step 27 — Display



- Close the display, and flip the laptop over so that the bottom faces upwards.
- Remove the two 16 mm screws with a Phillips screwdriver.

Step 28



- Gently flip over the laptop and open the back cover assembly.

Step 29



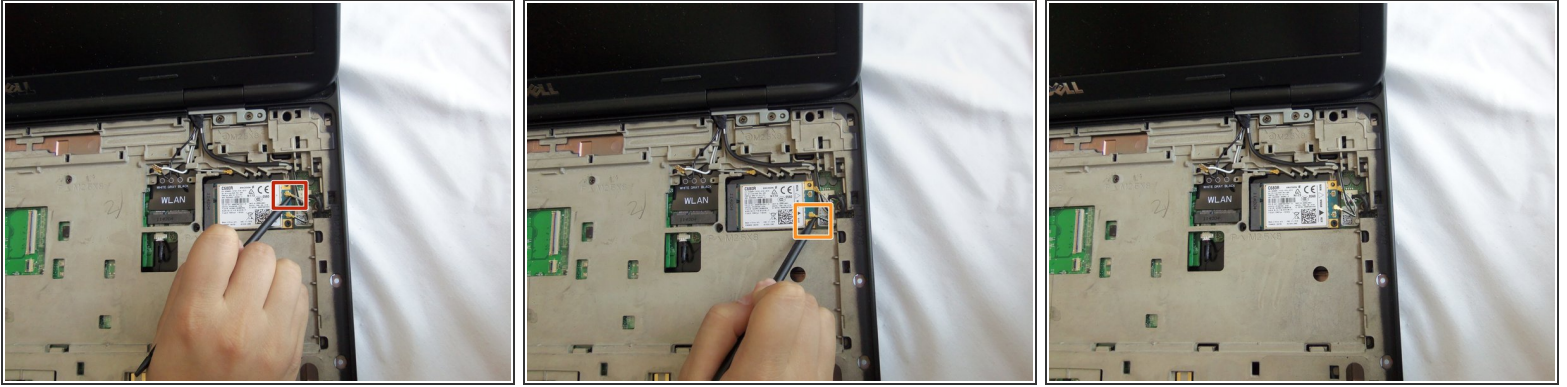
- Insert the pointy side of the spudger below the golden connector of the white cable on the WLAN card and lift to detach.

Step 30



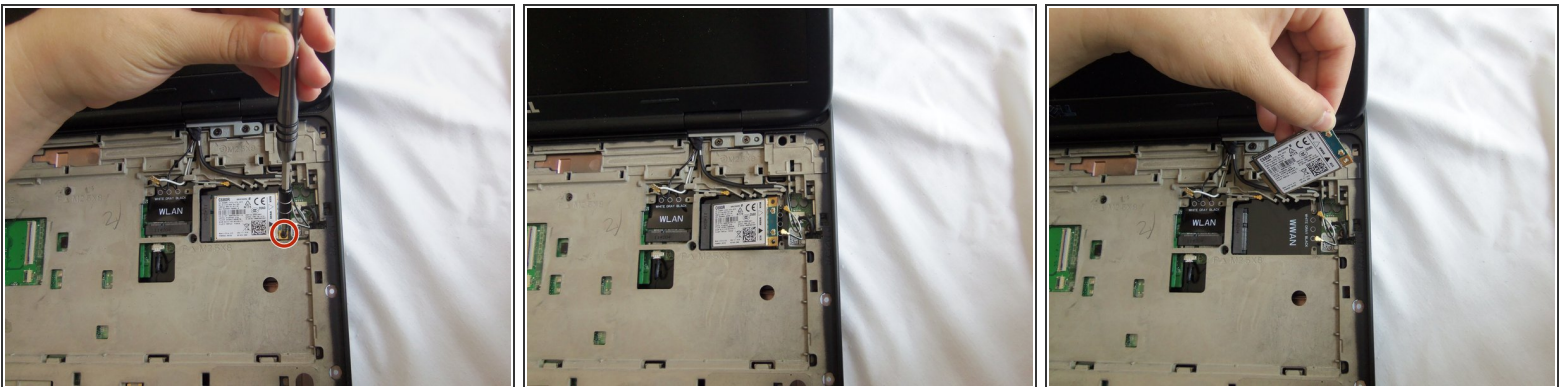
- Unscrew the 4mm screw from the WLAN card with a Phillips screwdriver. The card will lift itself after you remove the 4mm screw.
- Gently pull out the WLAN card.

Step 31



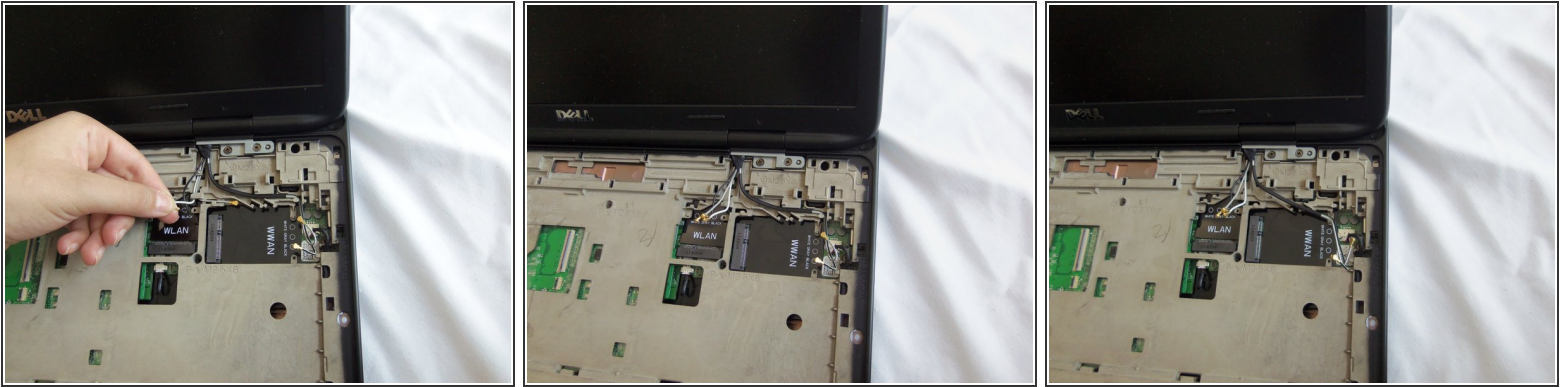
- Insert the pointy side of the spudger below the golden color connector of the gray cable on the WWAN card and lift to detach.
- Insert the pointy side of the spudger below the golden color connector of the black cable on the WWAN card and lift to detach.

Step 32



- Unscrew the 4mm screw from the WWAN card with a Phillips screwdriver. The card will lift itself.
- Gently pull out the WWAN card.

Step 33



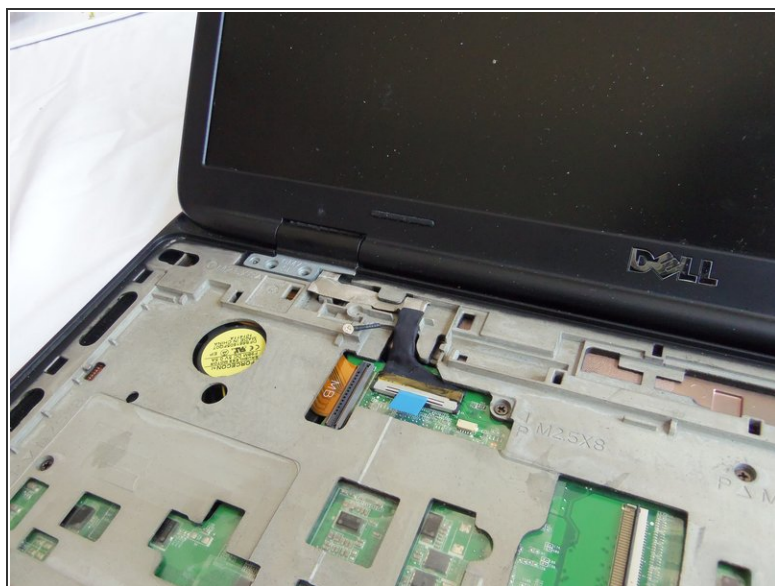
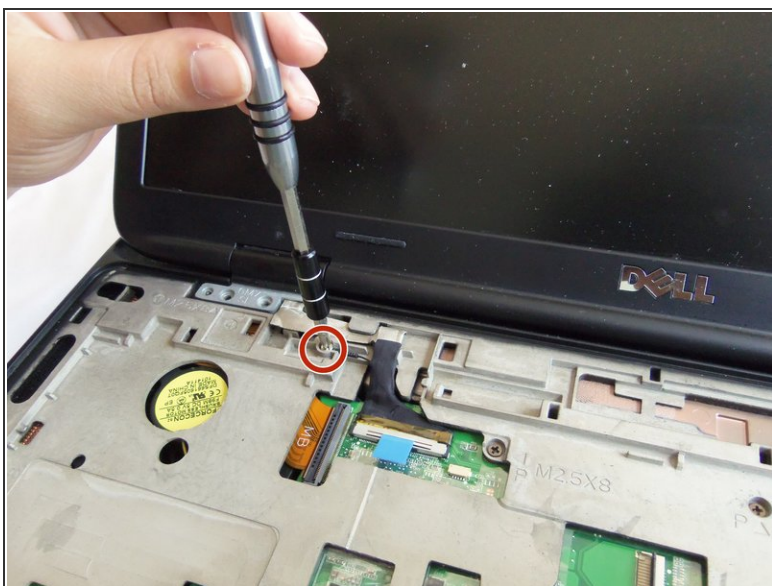
- Gently remove the wires for the WLAN and WWAN cards from their housing.

Step 34



- Unscrew four the 8mm screws directly under the keyboard with a Phillips screwdriver.

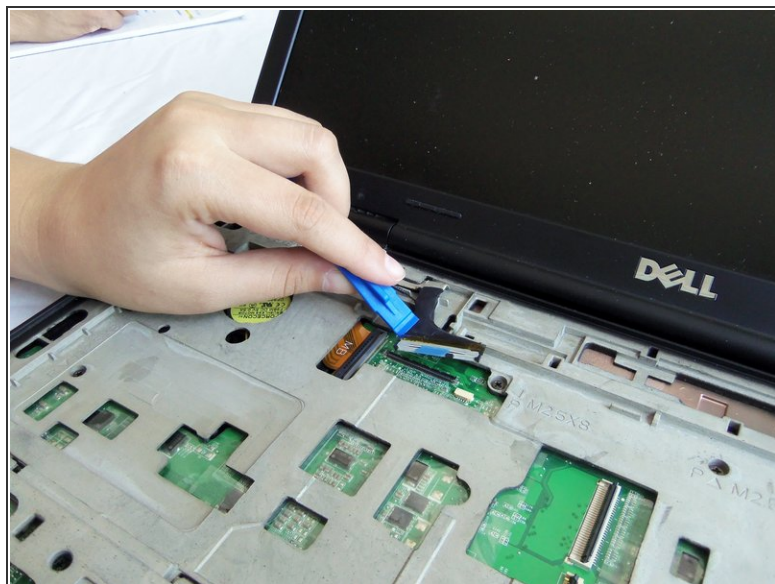
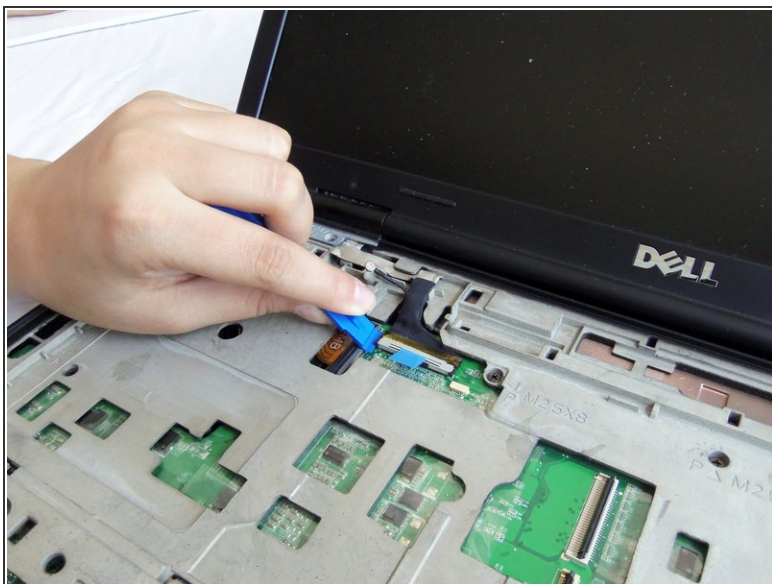
Step 35



- Loosen the grounding screw attached to the black monitor cable with a Phillips screwdriver.

⚠ DO NOT ATTEMPT TO REMOVE THE SCREW FROM THE WIRE. The screw is permanently fixed onto the wire.

Step 36



- Using the plastic opening tool, detach the connection from the cable to the board.

Step 37



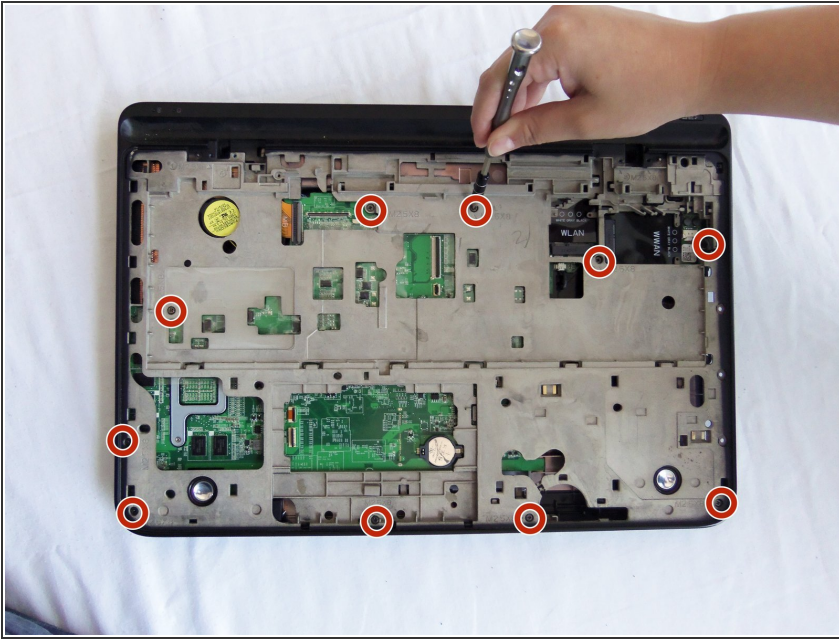
- Gently remove the monitor cable from its holdings from the board.

Step 38



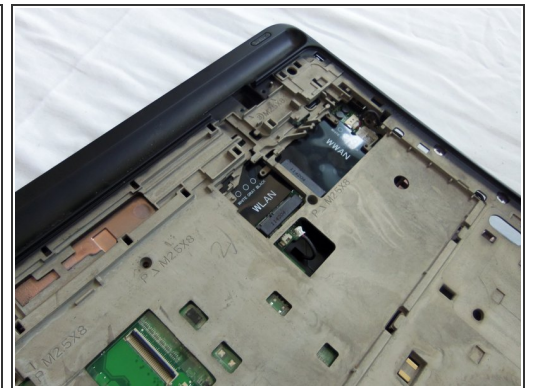
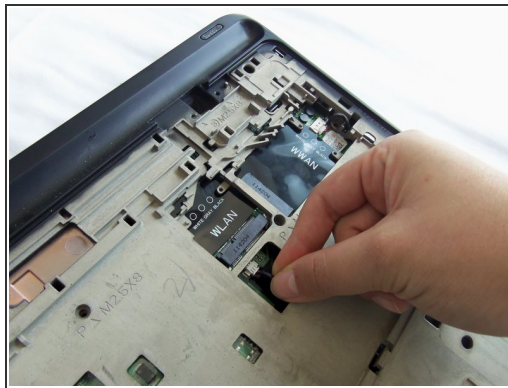
- Hold the plastic edge of the display firmly and lift to remove the display.

Step 39 — Motherboard



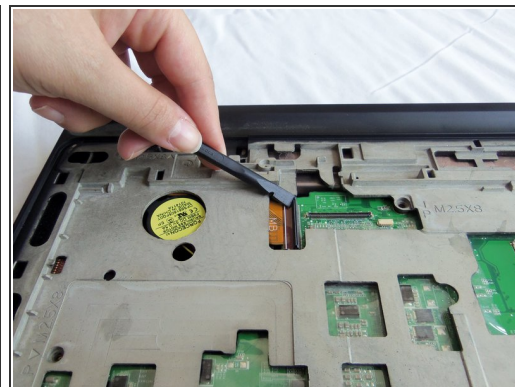
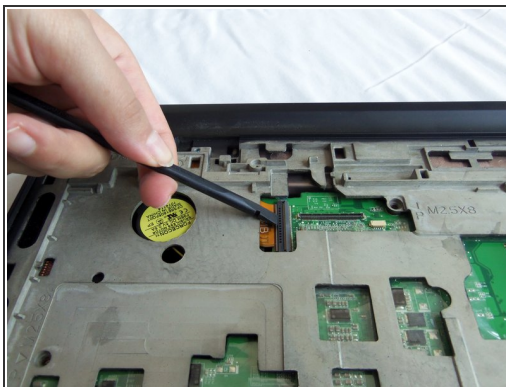
- Unscrew the ten 8mm screws from the grey inner casing with a Phillips screwdriver.

Step 40



- Locate the sound card cable.
- Gently unplug the sound card cable.

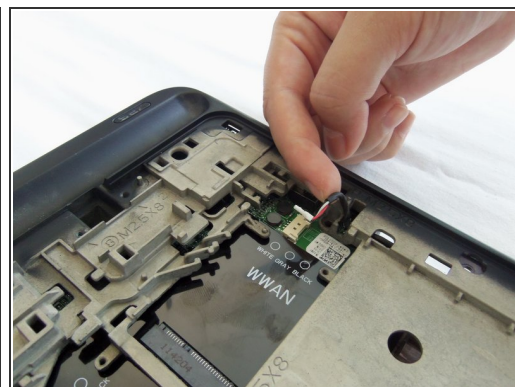
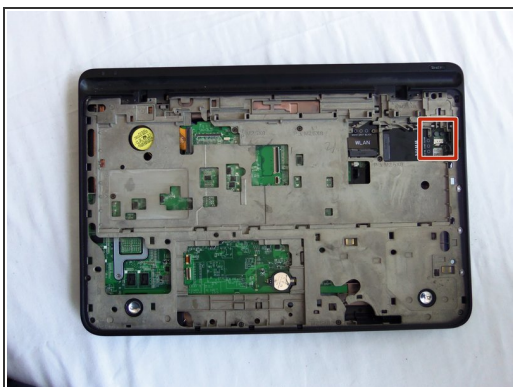
Step 41



- Find the orange cable with the letters MB.
- Gently insert the spudger below the edge of the black tab and pry it open.

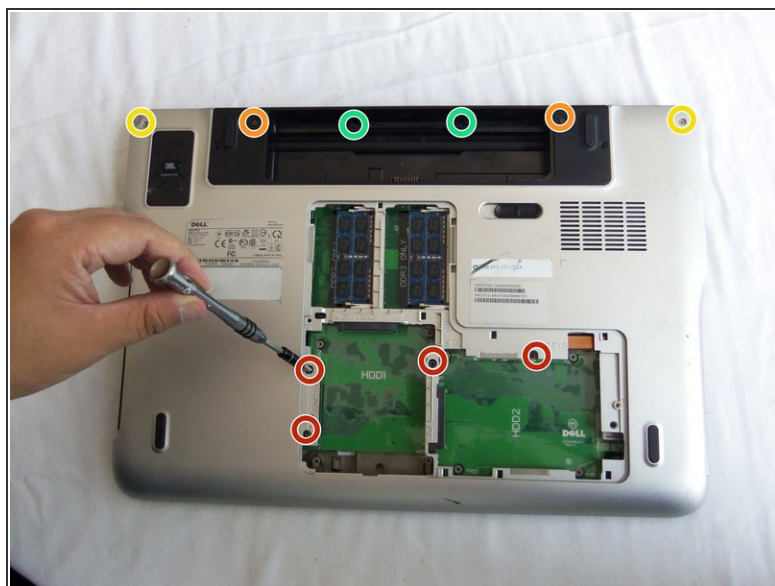
⚠ DO NOT attempt to pull out the cable on this step.

Step 42



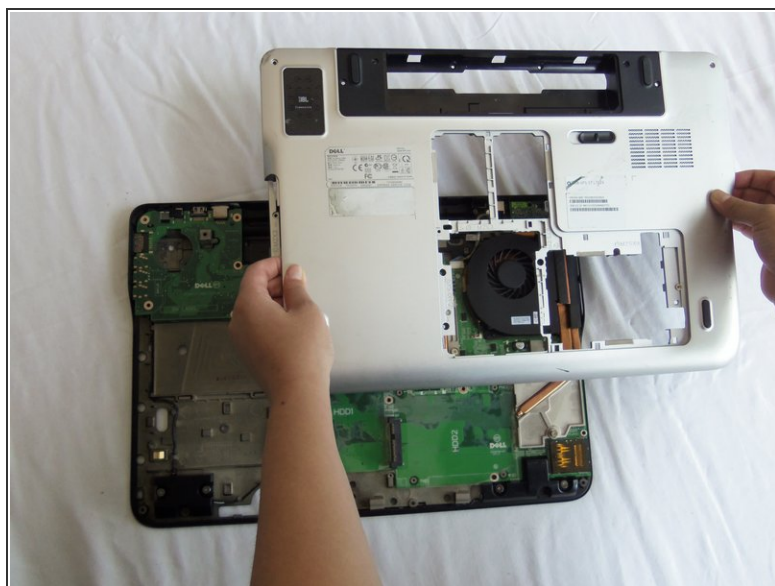
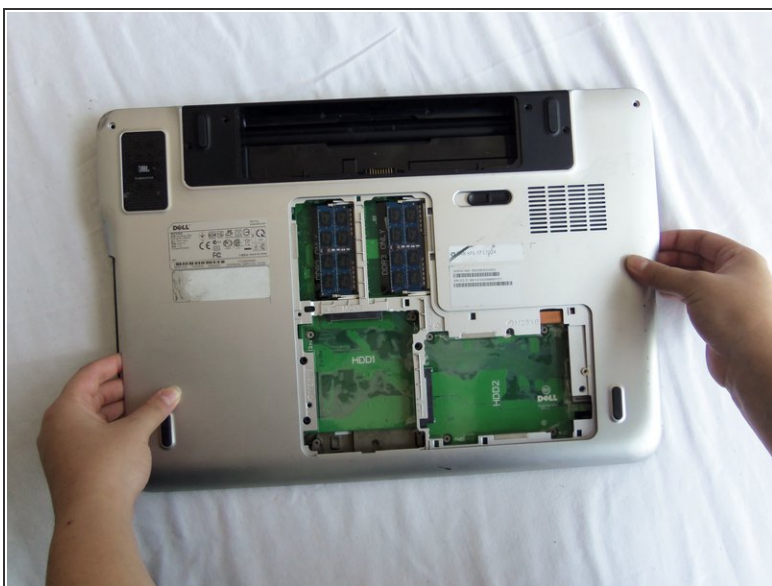
- Locate the wire on the side of WWAN slot.
- Using the spudger, gently pull out the cable.

Step 43



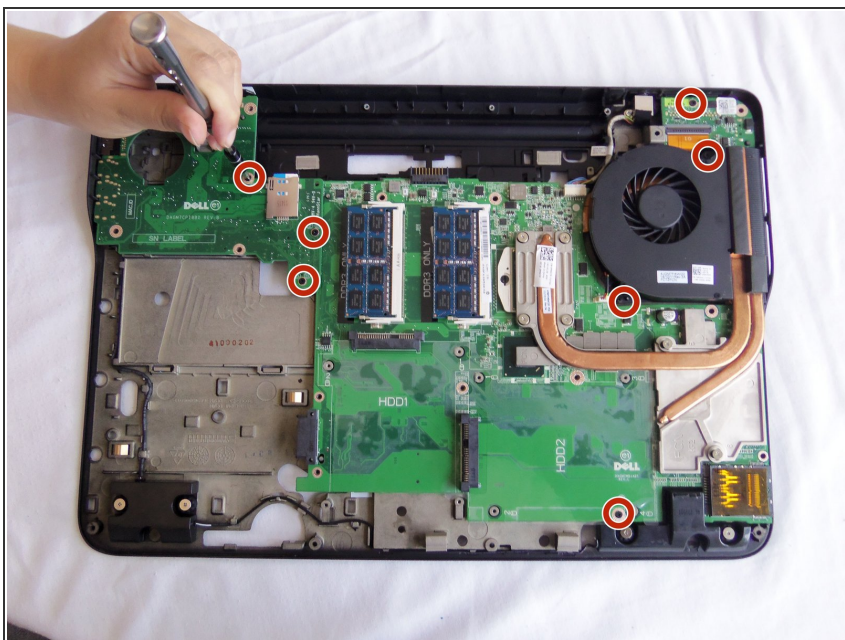
- Gently flip the laptop with its bottom facing you.
- Remove the four 8mm screws with a Phillips screwdriver.
- Remove the two 16mm battery casing screws with a Phillips screwdriver.
- Remove the two 16mm corner screws with a Phillips screwdriver.
- Remove the two 4mm screws inside battery housing with a Phillips screwdriver.
- ⓘ Removing the RAM is optional. This guide does not cover the removal of the RAM card.

Step 44



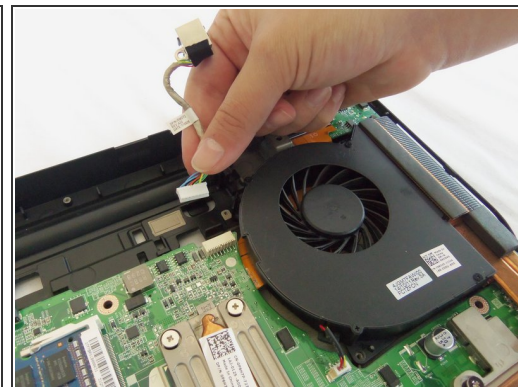
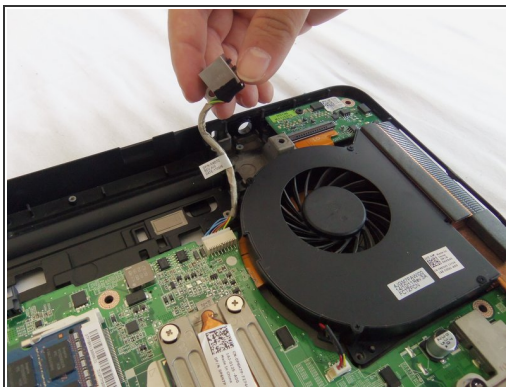
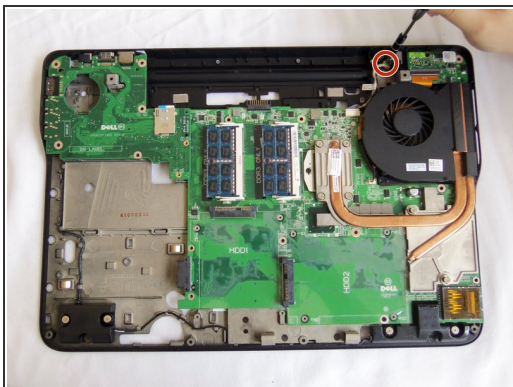
- Holding the opening from the optical drive in one hand with the other hand holding the opposite side of the laptop, lift and remove the back cover assembly.

Step 45



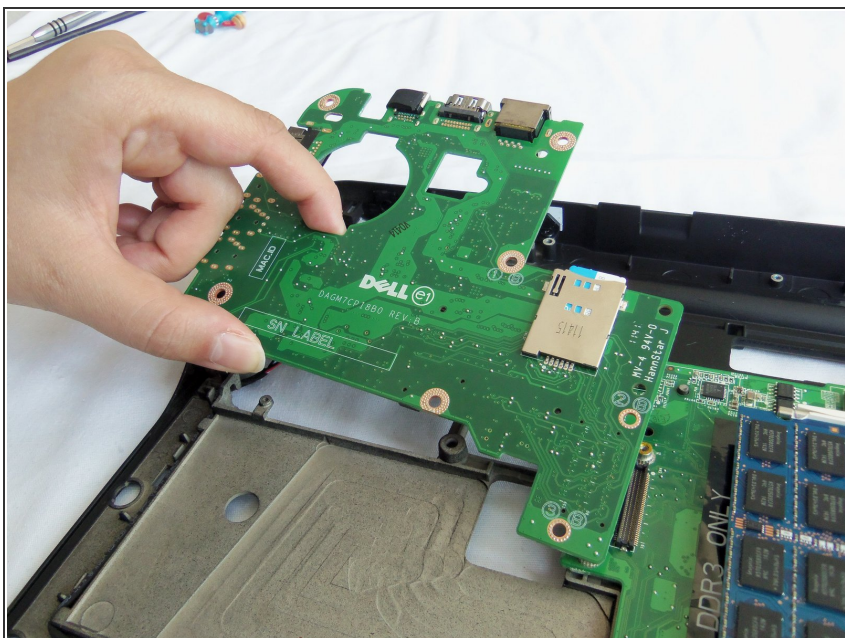
- Unscrew the seven 4mm screws with a Phillips screwdriver.

Step 46



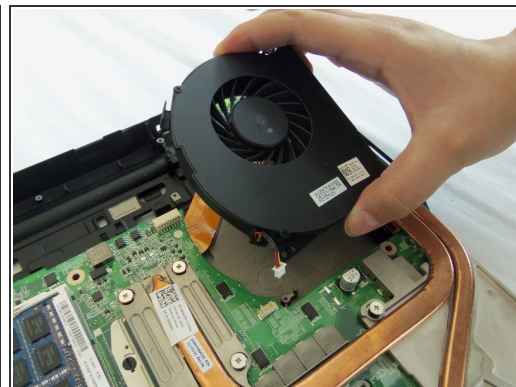
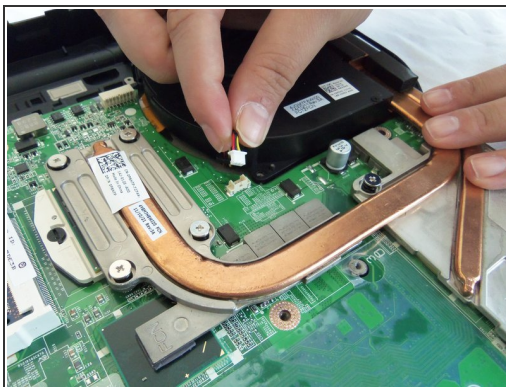
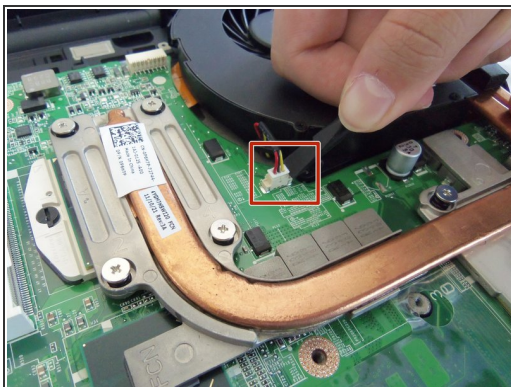
- Unscrew the 6mm screw on the DC cable assembly with a Phillips screwdriver.
- Lift the DC cable assembly out of the casing.
- Gently unplug the DC cable.

Step 47



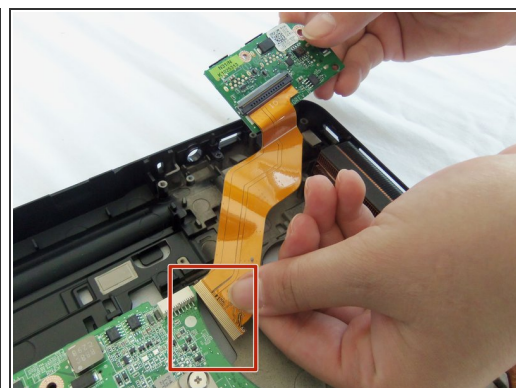
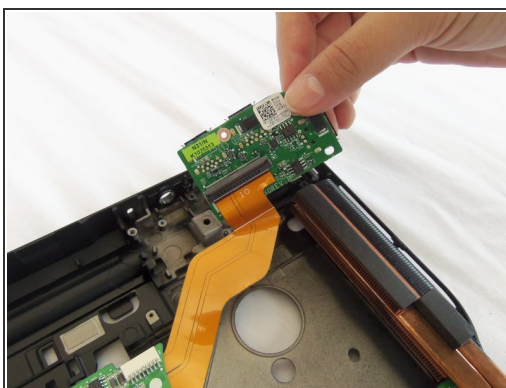
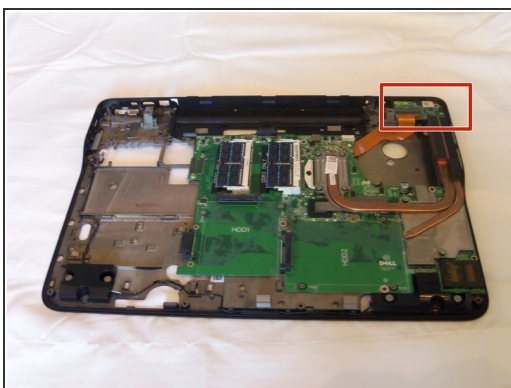
- Lift and remove the Wi-Fi circuit board.

Step 48



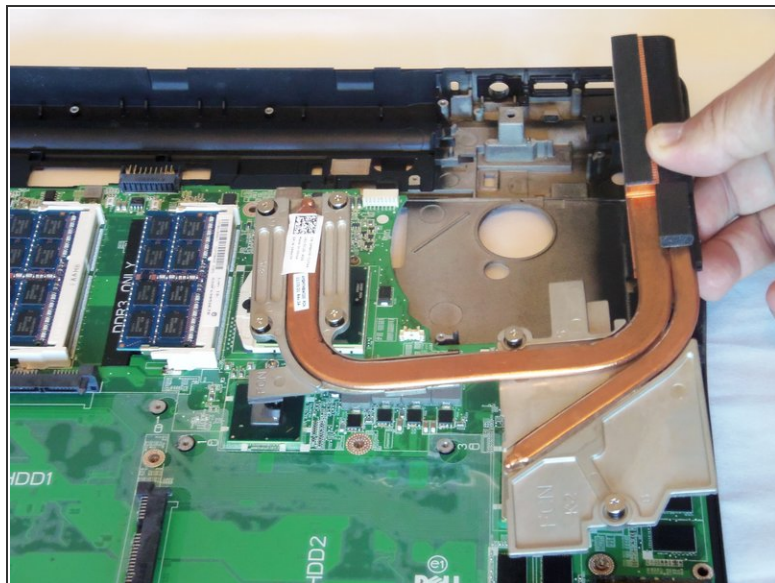
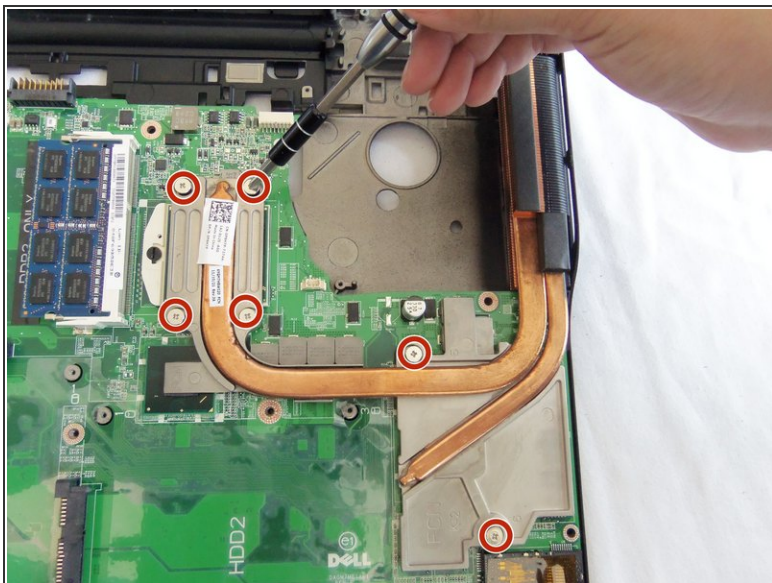
- Gently use a spudger to pry off the fan power cable.
- Lift and remove the fan.

Step 49



- Lift and remove the USB circuit board out of its housing.
- Remove the orange cable from the motherboard by gently pulling away from the connection point.

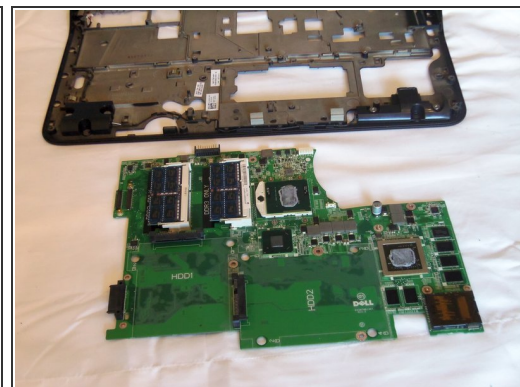
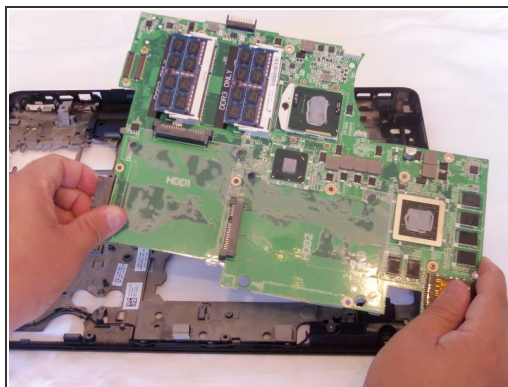
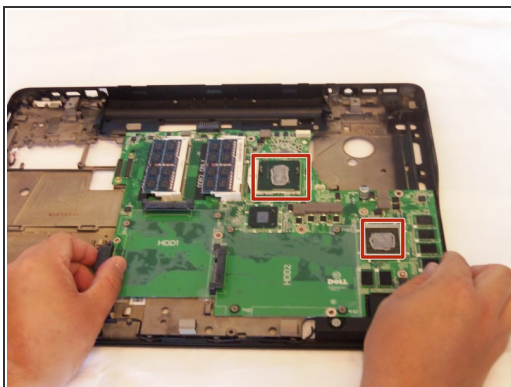
Step 50



- Loosen the six screws with a Phillips screwdriver.

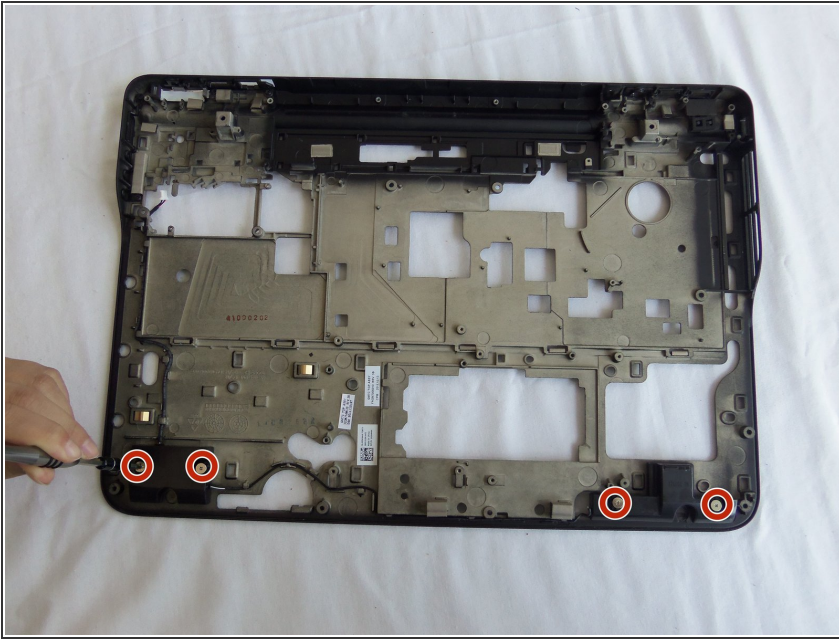
⚠ The screws are attached to the heat sink piece. Do not attempt to remove them from the heat sink assembly.

Step 51



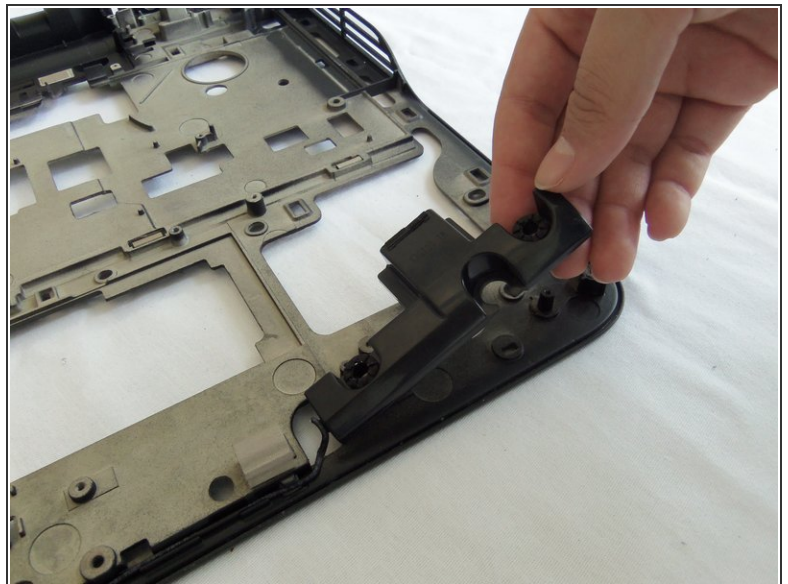
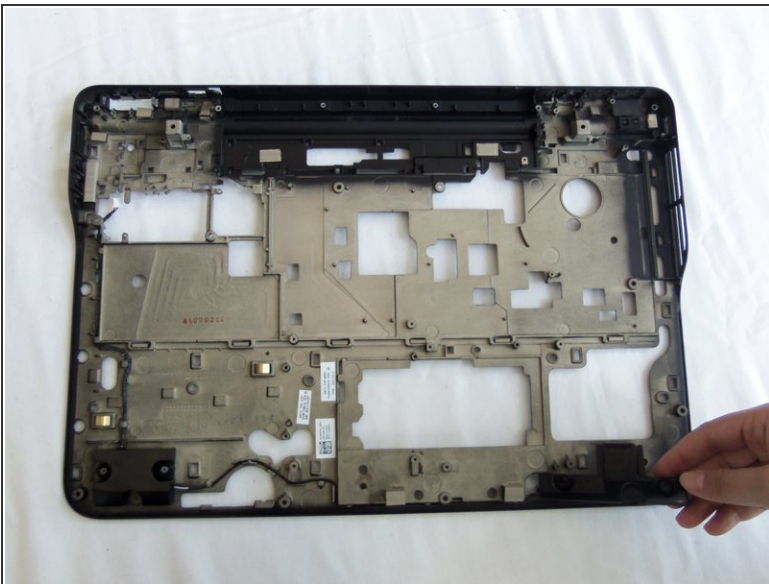
- Gently lift and remove the motherboard.
- Clean the thermal paste with rubbing alcohol and a microfiber cloth or non-abrasive tissue.

Step 52 — Speaker



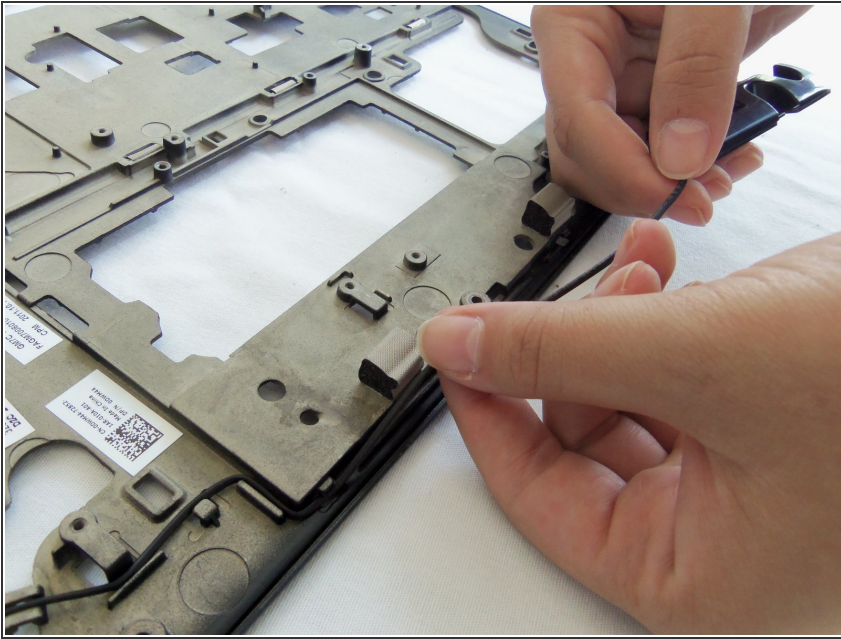
- Unscrew four 4mm flathead screws with a Phillips screwdriver

Step 53



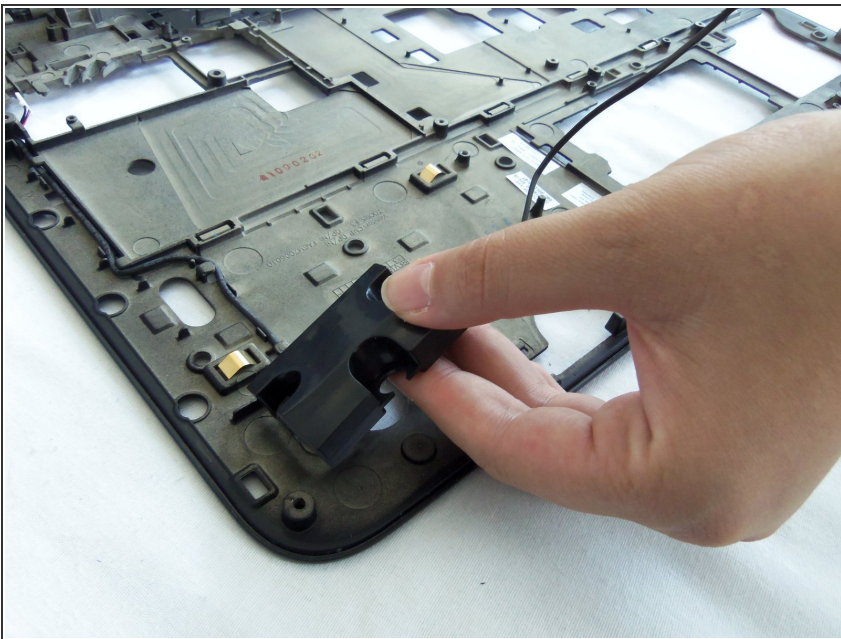
- Gently lift and remove the right side speaker piece out of its casing.

Step 54



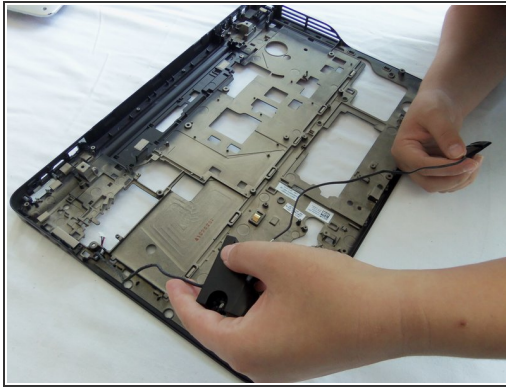
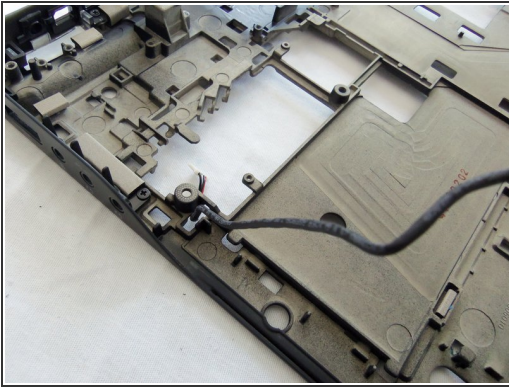
- Carefully remove the wires from the holdings.

Step 55



- Gently lift and remove the left side speaker from its housing.

Step 56



- Carefully remove the wires from the holdings.
- Remove the speakers with the cables still attached.

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