



Sony VAIO VPC-EB33FM Display Replacement

This guide will inform readers on how to safely...

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INTRODUCTION

This guide will inform readers on how to safely uninstall the display of the Sony VAIO VPC-EB33FM laptop.

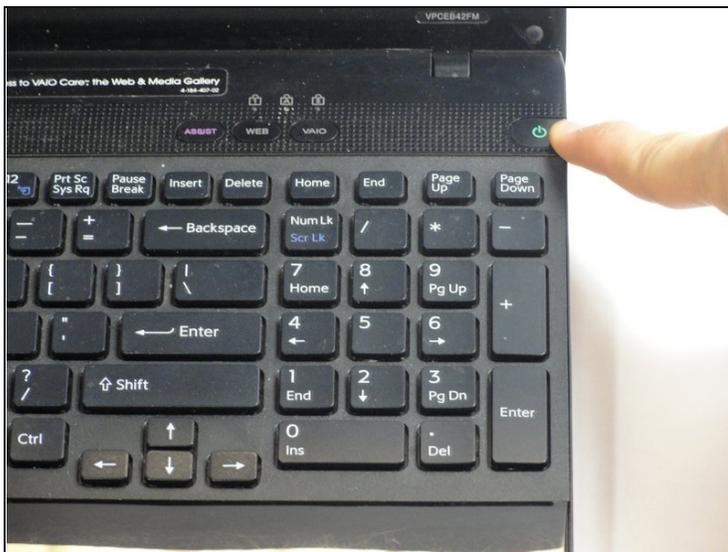
TOOLS:

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

PARTS:

- SONY VAIO VPC-EB33FM/BJ
REPLACEMENT LAPTOP LCD SCREEN
(1)

Step 1 — Battery



- Power down the laptop by pressing the power button.
- Turn the laptop onto its backside.

Step 2



- To release the battery, hold both the release button and the unlock button at the same time.

Step 3



- Remove the battery out from the notch while continuing to hold the release button.

Step 4 — Hard Drive



- Use a Phillips #00 screwdriver to remove the two 7.8 mm cover screws on the bottom corners of the panel.

Step 5



- Use a finger/fingernail to grip the notch at the bottom of the panel to lift it off.
- ① You may need to use your other hand to safely remove the panel.
- ① You can also use a spudger for this step.

Step 6



- Remove the two remaining 7.8 mm screws using the Phillips #00 screwdriver.

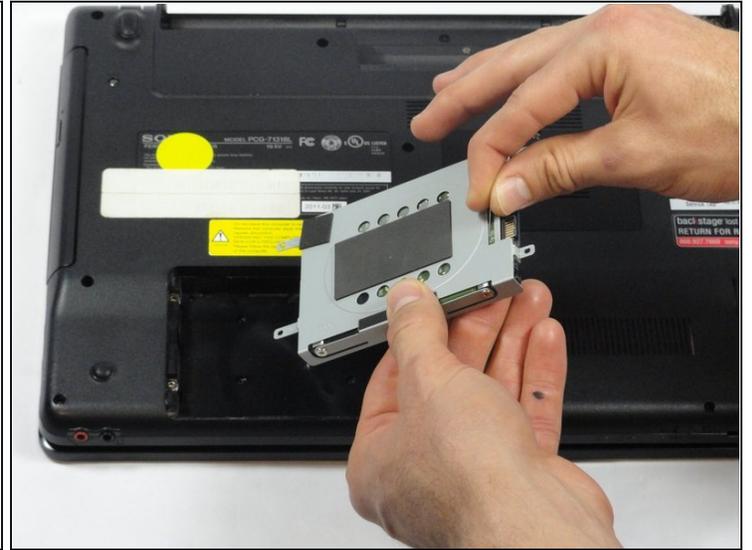
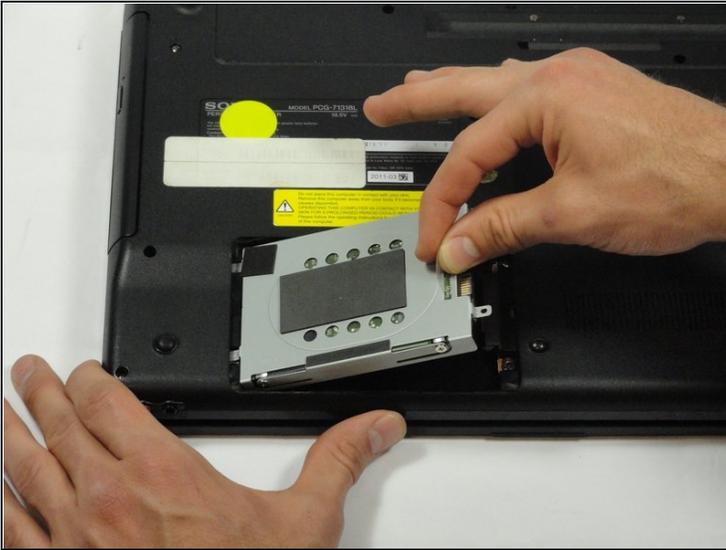
Step 7



- Grab the tab between your thumb and index finger.
- Hold the hard drive securely in a horizontal position using your other hand.
- Push the hard drive to the left using the plastic tab to disconnect it from the laptop.

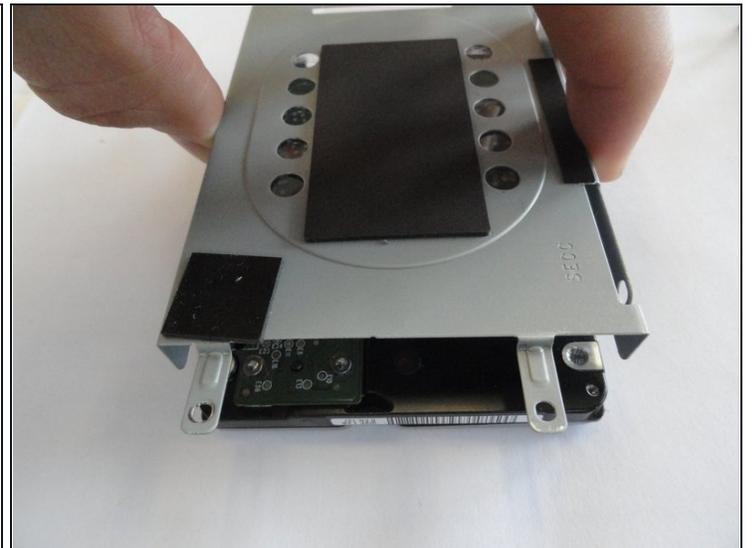
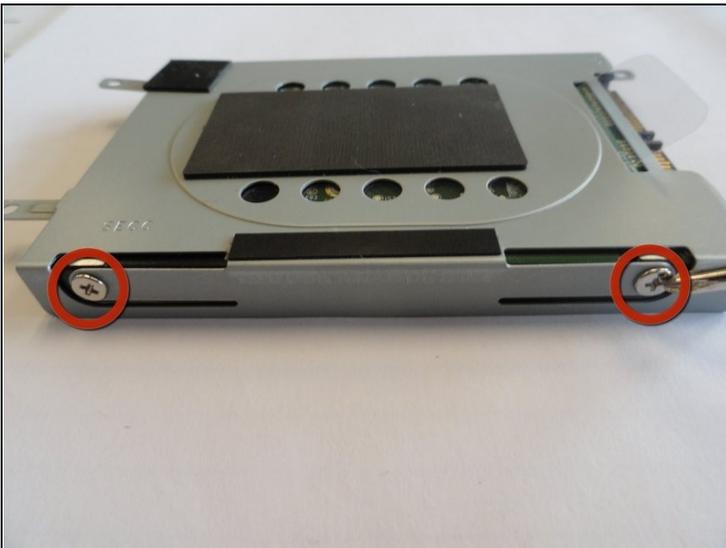
⚠ To prevent damage of the connection on the hard disk drive or the laptop, perform this task slowly and with care.

Step 8



- While still holding the plastic tab, lift the right side of the hard drive out at a 45° angle.
- Pull the hard drive out.

Step 9



- If you need to remove the bracket from the hard drive, follow the next few steps:
 - Remove the two 3.7 mm screws from either side of the bracket with a Phillips #00 screwdriver.
- Lift the bracket off the hard drive.

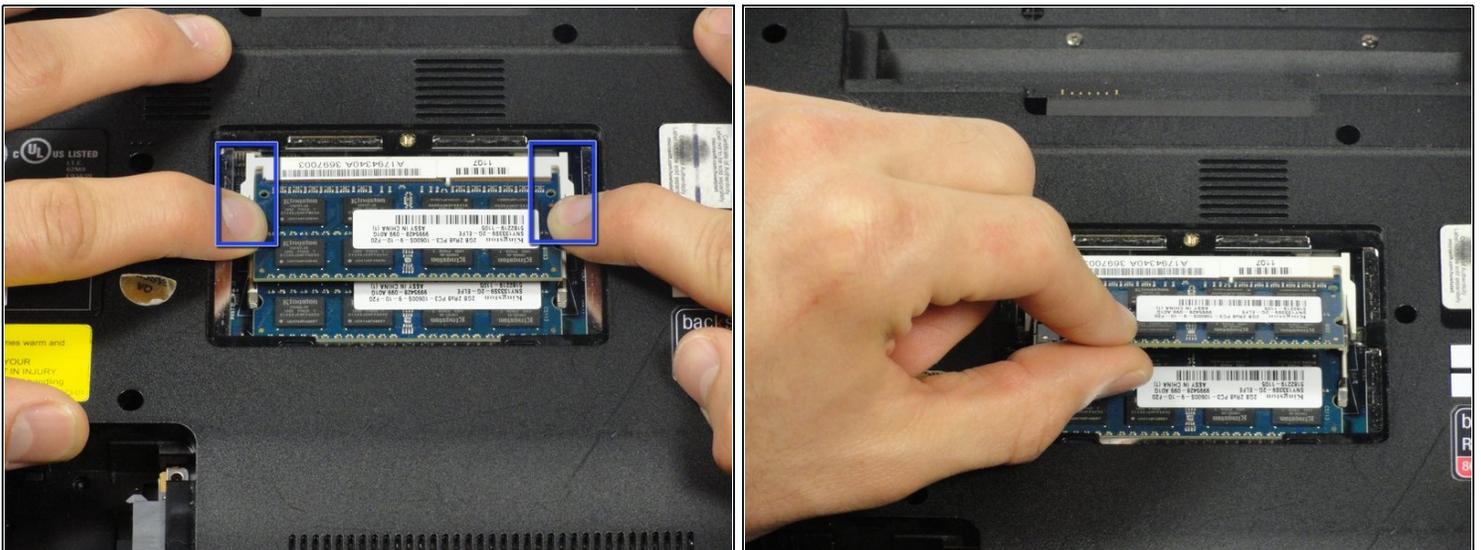
Step 10 — RAM



- Remove the one screw with a Phillips #00 screwdriver.

i The screw cannot be removed from the RAM casing cover.

Step 11



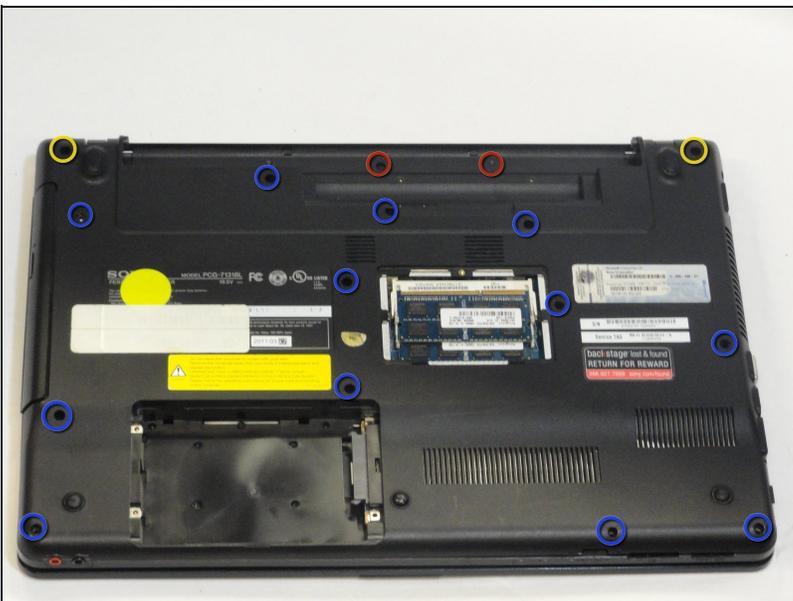
- Pull the two retaining arms away from the center of the RAM chip.
- The RAM will make a "pop" sound and the RAM stick will rise for ease of handling.

Step 12



- Pull the RAM stick out of its socket.
- To remove the second stick of RAM, repeat steps six and seven.
- When installing RAM, make sure sticks are firmly in place or the computer will not register them.

Step 13 — Keyboard



- Using a Phillips #00 screwdriver remove the following screws securing the back cover :
 - Two 3.8-mm screws
 - Two 8.9-mm screws
 - Twelve 7.75-mm screws

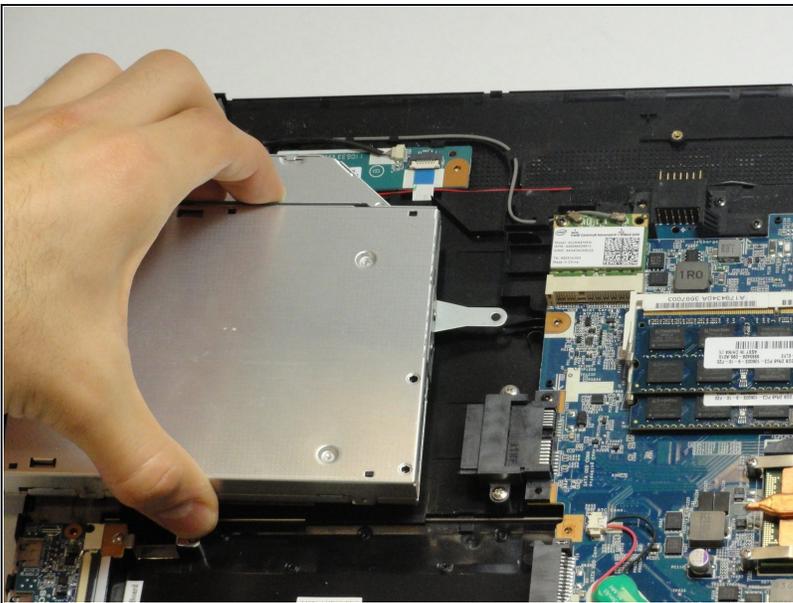
Step 14



⚠ Check to make sure all screws have been removed.

- Using both hands separate the back cover by lifting from the back and working around the perimeter to release tabs.

Step 15

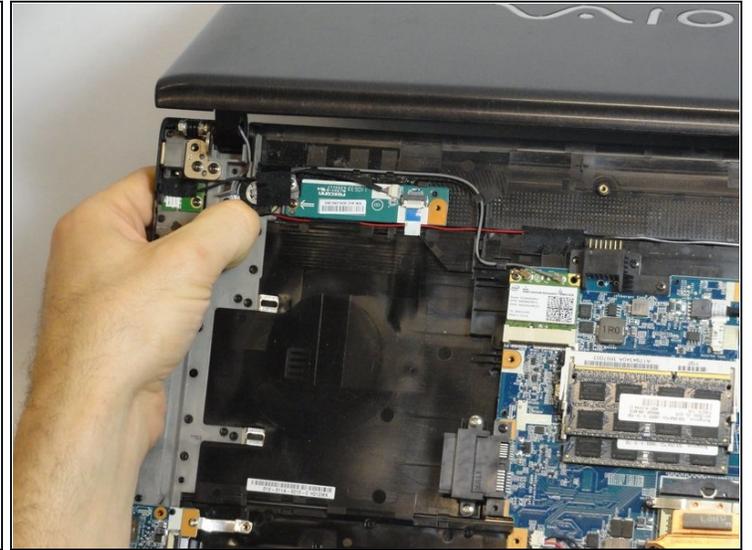


ⓘ Uninstalling the keyboard may require a second set of hands.

ⓘ During the removal of the back cover, a screw that attaches the optical drive to the laptop is also taken out. This means the optical drive is ready to be removed.

- Remove the optical drive by sliding it out.

Step 16



- Once the optical drive is removed, locate the keyboard ejection button and press down on it until you hear a snap.
- ⓘ Once you hear this sound, it means that a section of the keyboard has been ejected.

Step 17



- Turn the laptop onto its frontside and unfold the laptop so the keyboard is fully visible.
- Locate the area where the section of the keyboard was ejected.

Step 18

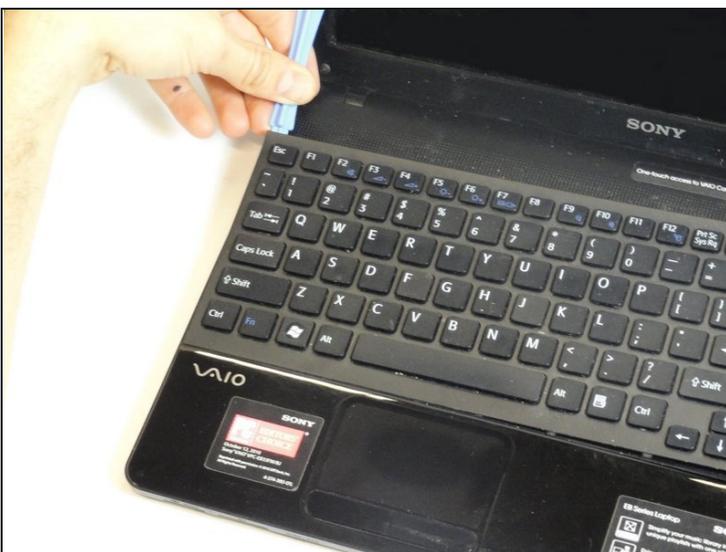


- Start to pry out the keyboard with your hands.

⚠ Be careful not to break any of the hooks that attach the keyboard to the laptop.

- ⓘ If it seems difficult to remove the keyboard with your hands, then use a plastic opening tool.

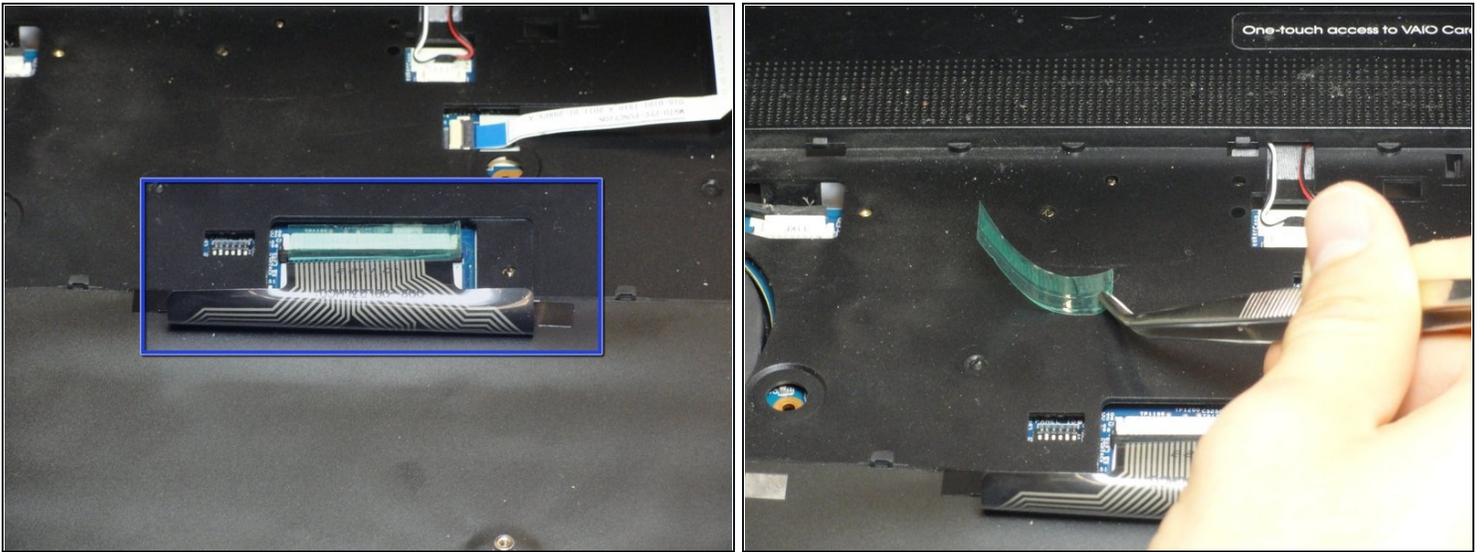
Step 19



- ⓘ Remain cautious to not break the hooks.

- Continue all the way around the keyboard until you can detach it from the laptop.

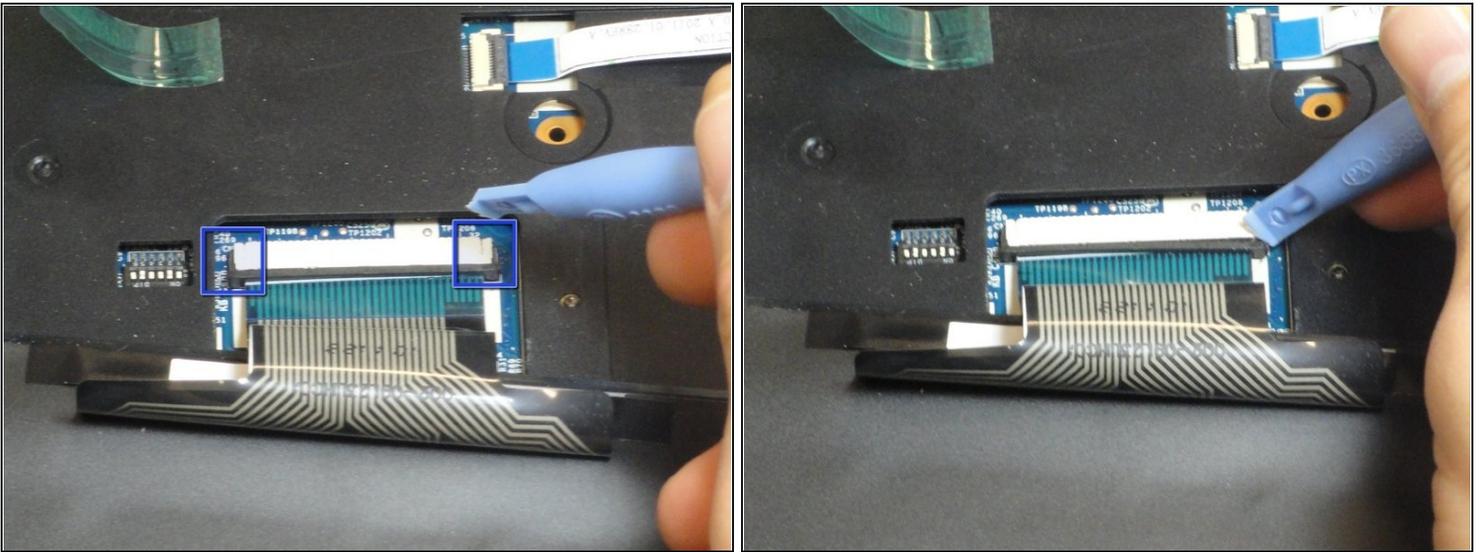
Step 20



⚠ Do not immediately pull the keyboard away from the laptop. There is still an attachment between the keyboard and laptop.

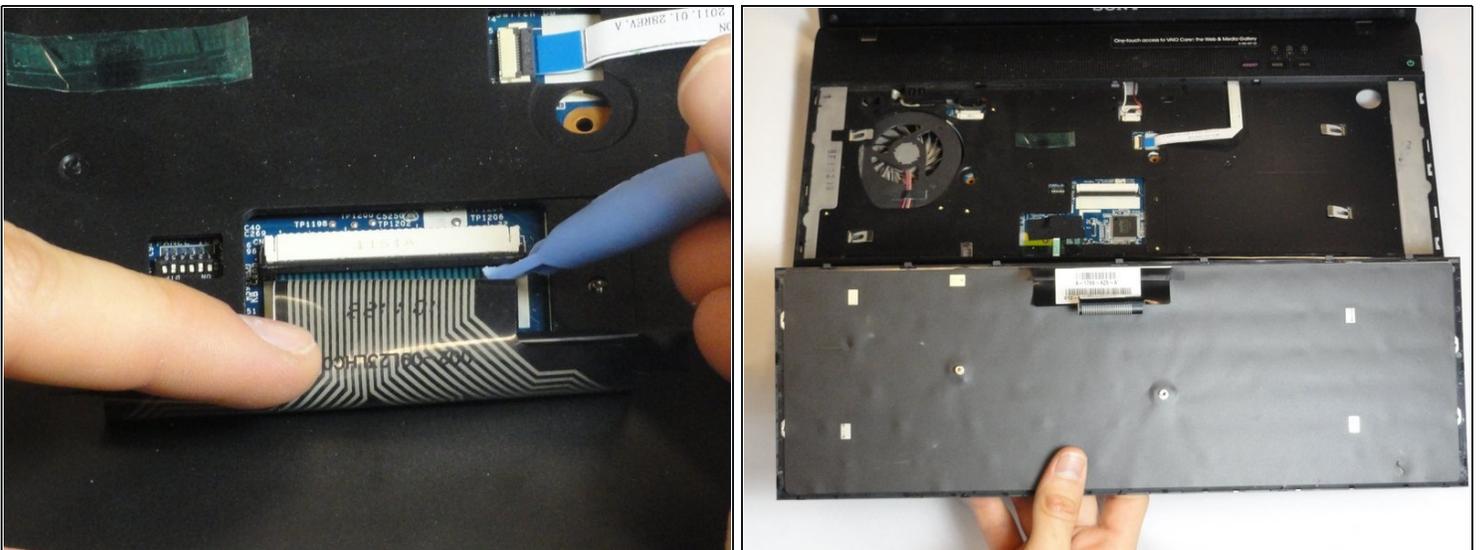
- Turn the keyboard on its face and locate the green tape and the ribbon attachment.
- Using the metal tweezers, remove only the green sticker.
- Place the sticker at any location as long as you remember to use it for installing the keyboard.

Step 21



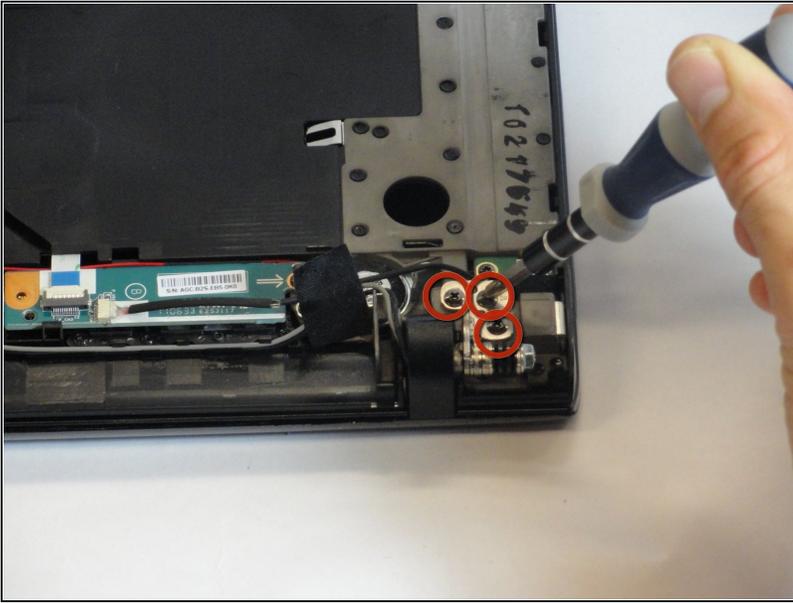
- Locate the black retaining arms.
- Using the plastic opening tool, pull the retaining arms out.
- ⓘ The retaining arms will not come off completely.

Step 22



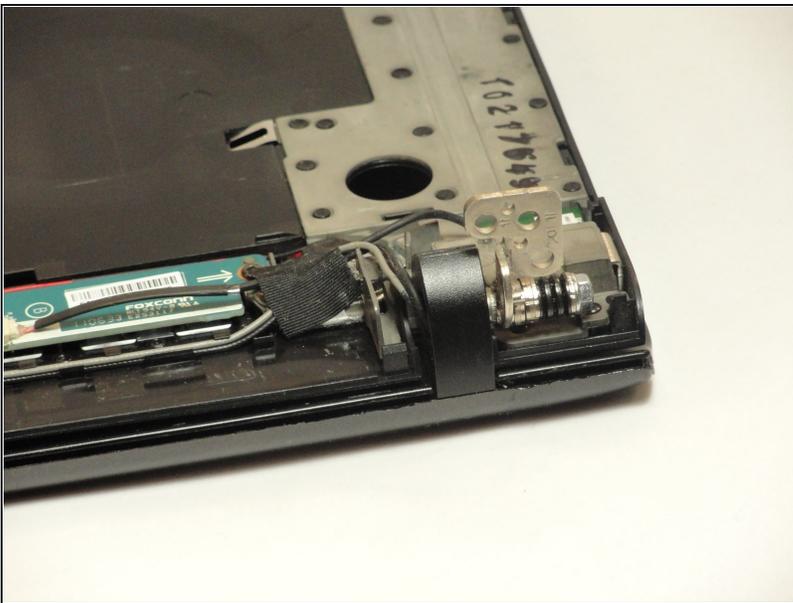
- ⓘ It is safe to touch the ribbon attachment.
- Lift the retaining arms with the plastic opening tool at an angle so that the ribbon attachment can be pulled out.

Step 23 — Display



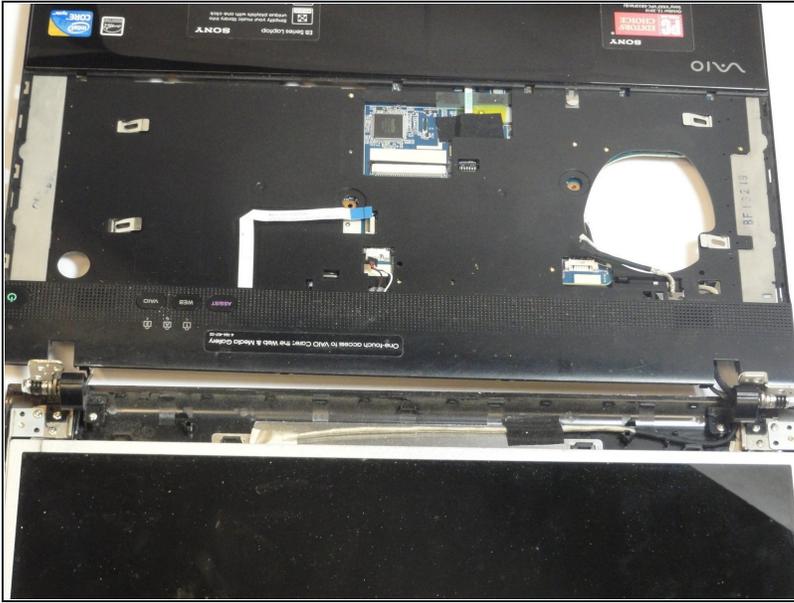
- Use a Phillips #1 screwdriver to remove the three 8.88-mm screws attached to the metal hinge at the corner of the laptop.
- Repeat for the three screws on the opposite corner.

Step 24



- Lift the metal hinges on each corner to a 90° angle.

Step 25



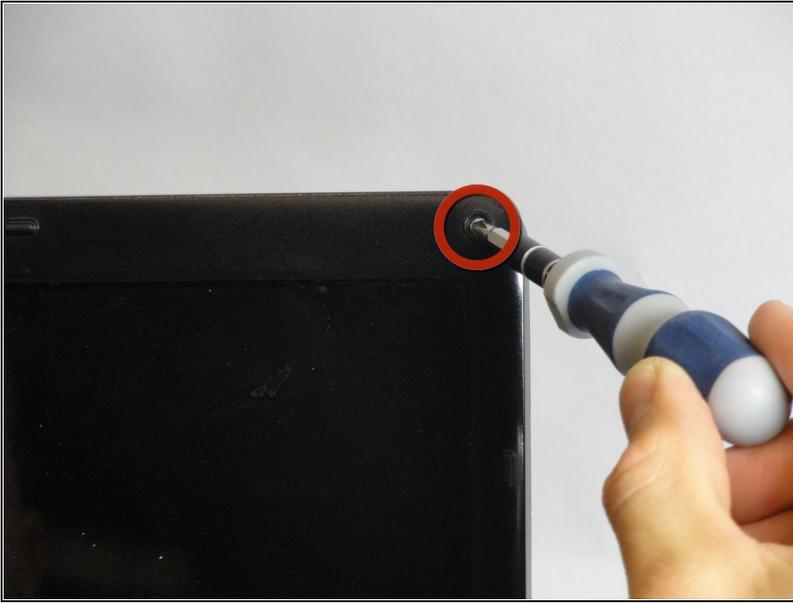
- Gently pull out the base and place it with the keyboard side up under the display.

Step 26



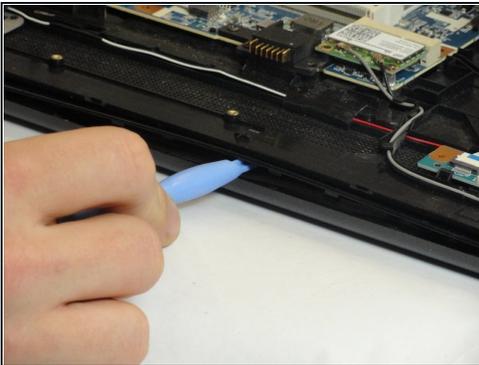
- Use the spudger tool remove the plastic covers on the four corners of the display.
- ⓘ If this is the first time they are being removed they will be held in place by glue. Some force may be required.

Step 27



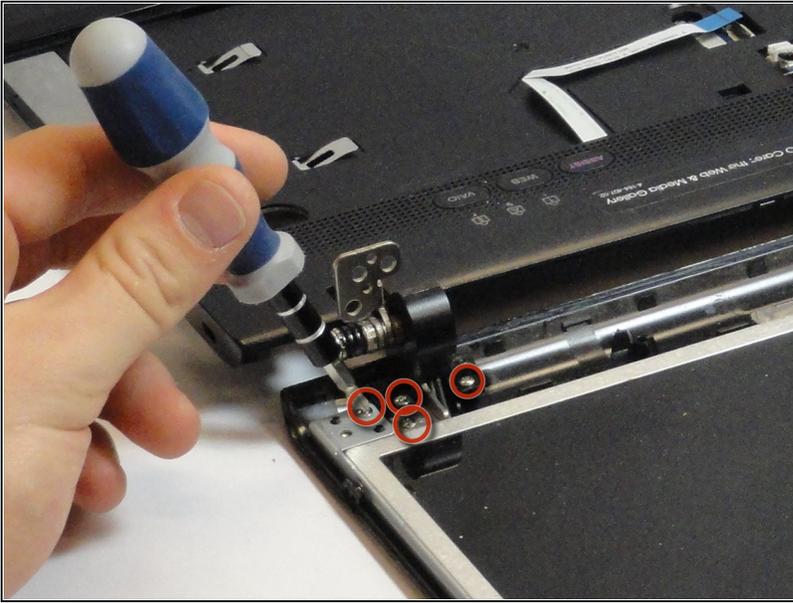
- Use a Phillips #00 screwdriver to remove the four 5.75-mm screws under the plastic covers.

Step 28



- Use the plastic opening tool to separate the plastic front cover by wedging the tool along the seam.
- Flip the laptop to the other side. If the front cover is still attached continue using the plastic opening tool to separate.
- Carefully lift up the display. Completely detach the front plastic cover.

Step 29



- Use a Phillips #00 screwdriver to remove the four 5.65-mm screws on each bottom corner of the display.

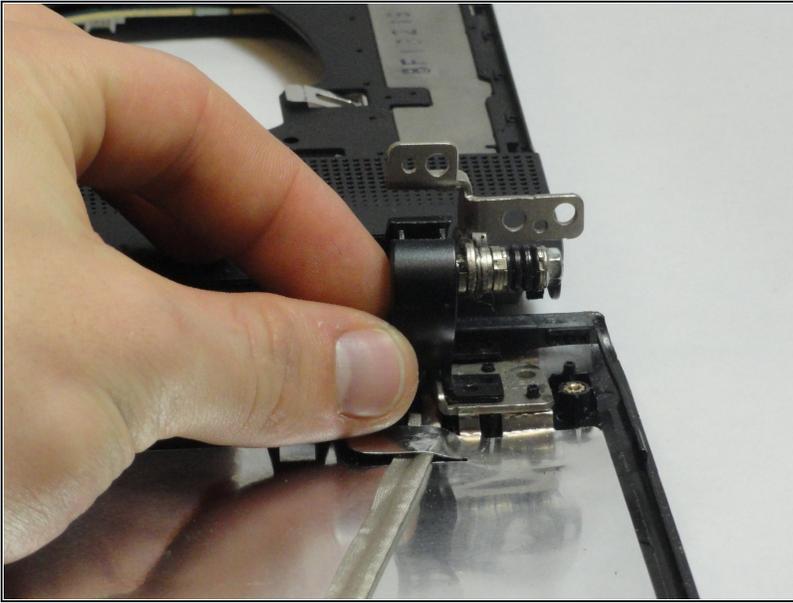
Step 30



⚠ Do not pull too hard to avoid damage to the connections.

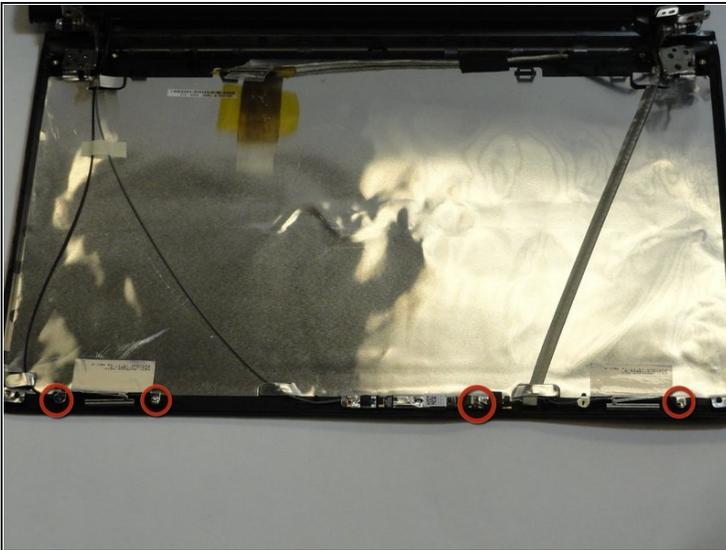
- Gently lift and pull the LCD screen up. The back of the screen has a connection attached by yellow tape.
- Holding the silver flap underneath the yellow tape, pull up and disconnect the wire.
- Place the LCD screen aside.

Step 31



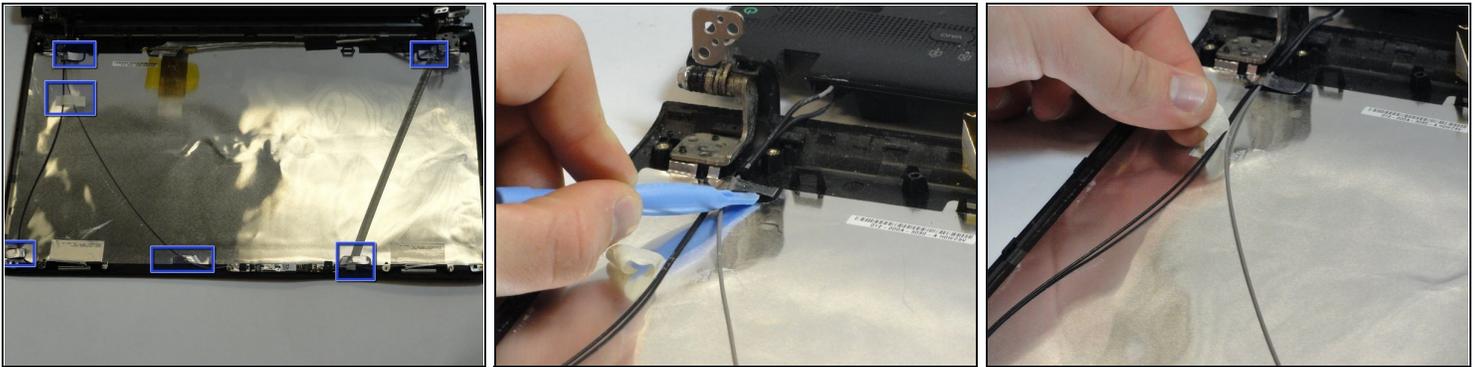
- Grab a hold of the black plastic hinge and pull out completely.
- Repeat for the other side.

Step 32



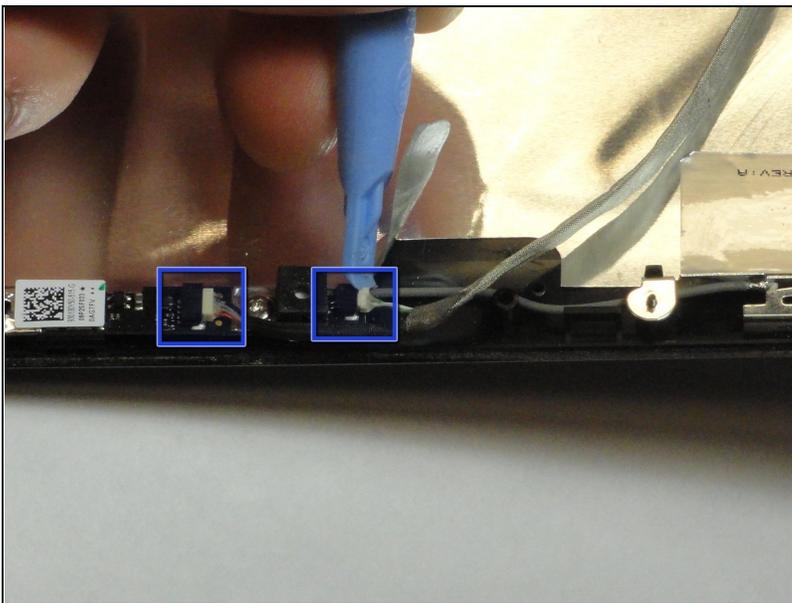
- Use a Phillips #00 screwdriver to remove the four 3.15-mm screws at top of the display.

Step 33



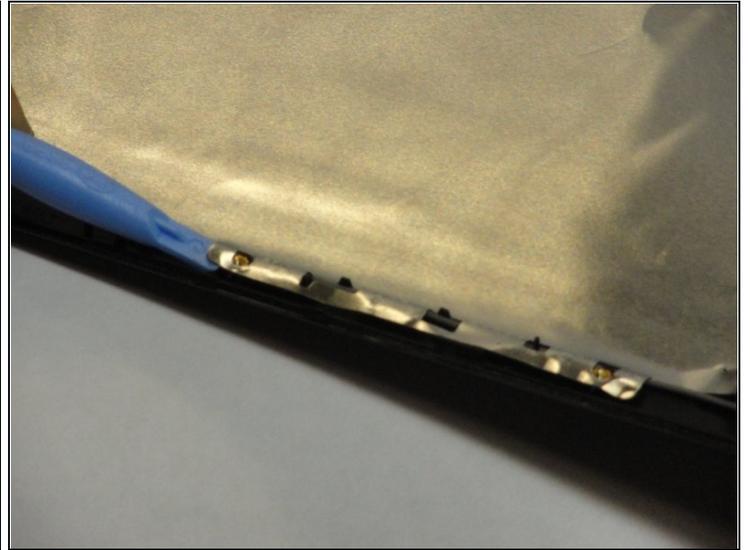
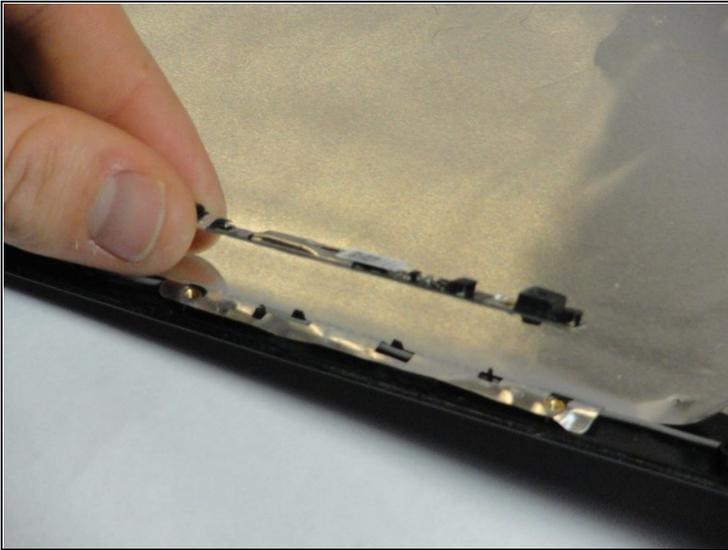
- Use the plastic opening tool to gently fold back all metal flaps at the beginnings and ends of wires.
- Remove the tape holding a thin black and gray wire in place.

Step 34



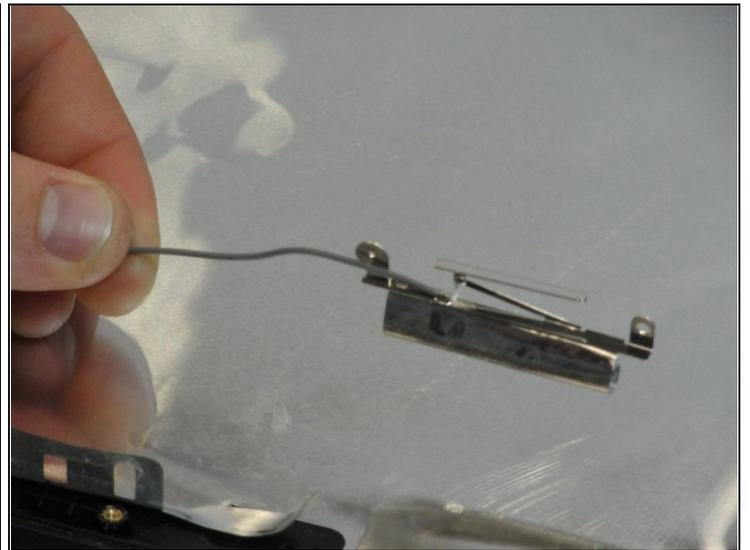
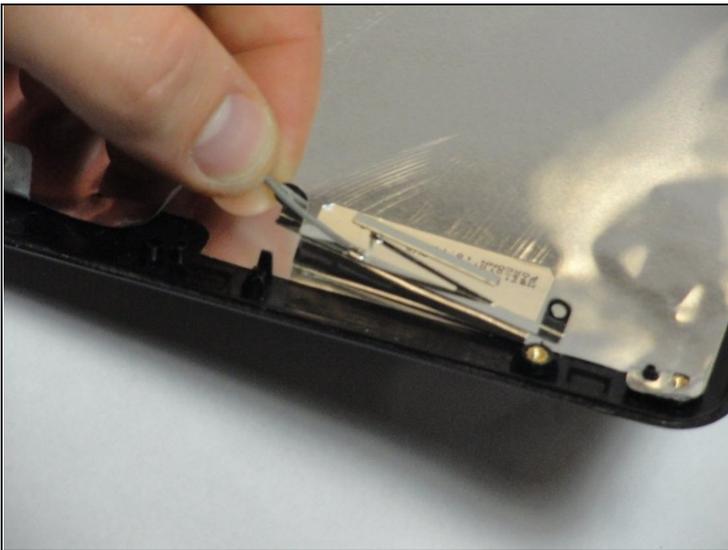
- Use a plastic opening tool to loosen and remove the two connections at the top end of the wire with a thick silver covering.
- ⓘ Metal [tweezers](#) may also be used to remove the connections.

Step 35



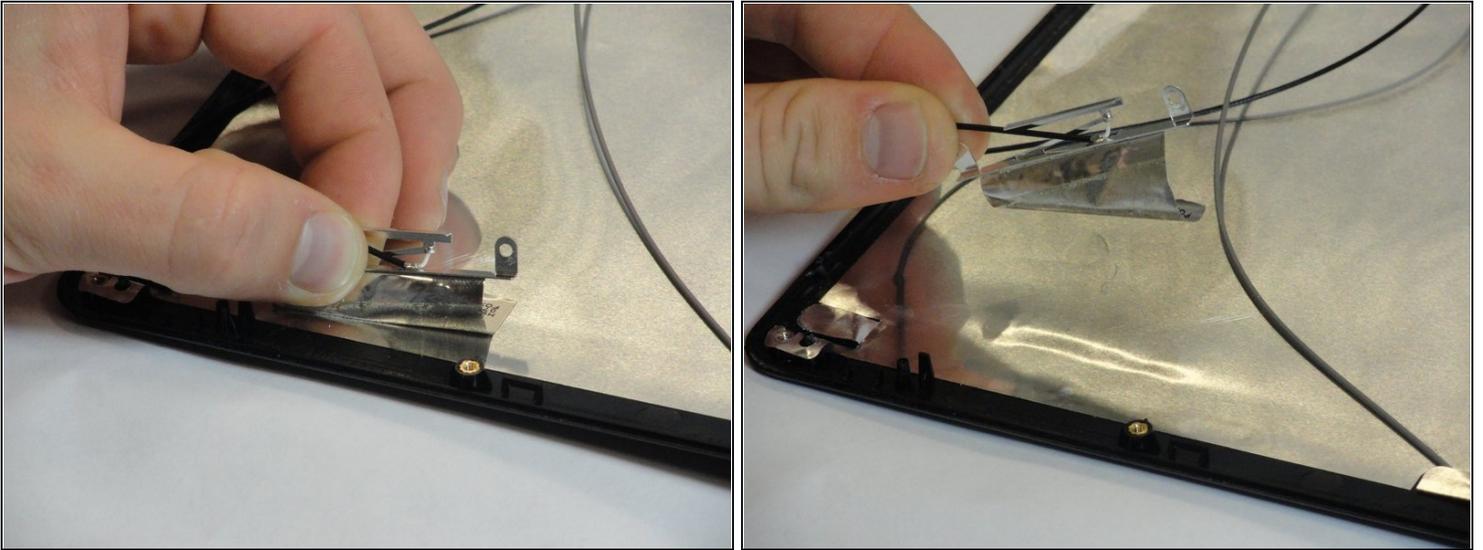
- Carefully pull the webcam and to remove it.
- Fold back the metal flap under the webcam with the plastic opening tool.

Step 36



- Pull back the silver tape attaching the gray wire.

Step 37



- Pull back the silver tape attaching the black wire

Step 38



- Remove the bottom cover.
- The laptop is now fully detached from the display.

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