Sony VAIO VPC-EB33FM Display Replacement

The purpose of this installation guide is to provide instructions on removing and installing the display of the Sony VAIO VPC-EB33FM laptop.

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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)
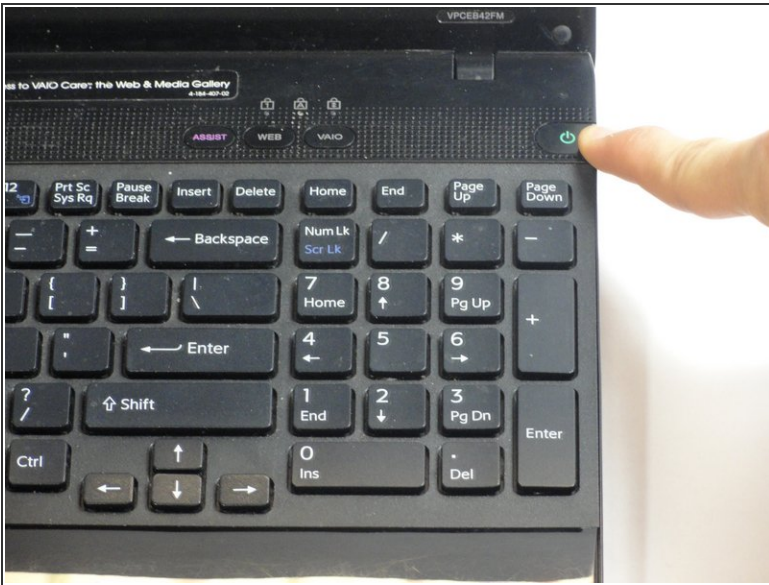- Phillips #1 Screwdriver (1)
- Phillips #00 Screwdriver (1)
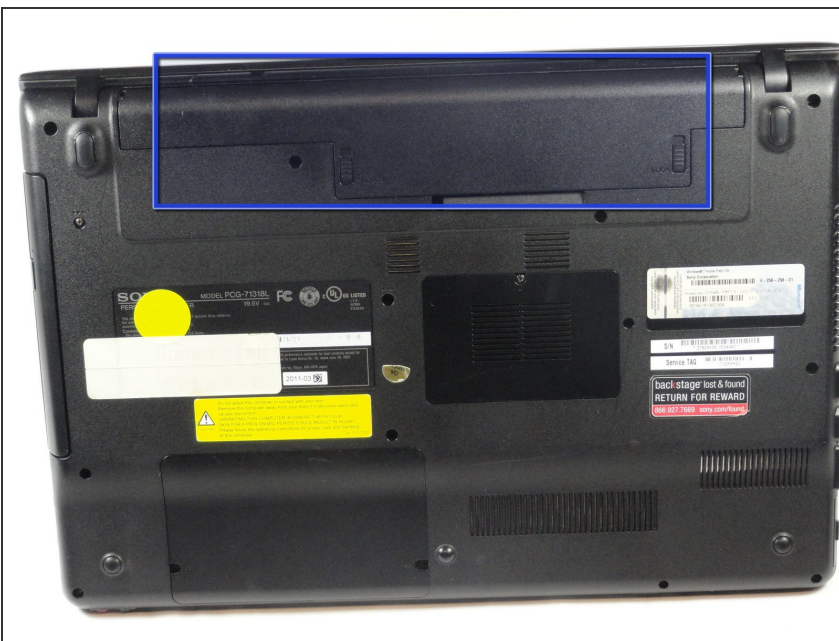- iFixit Opening Tools (1)
- Spudger (1)

PARTS:

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

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Step 1 — Battery

- If the laptop isn't turned off, then do so by holding down the power button.

- Turn the laptop onto its backside.

Step 2

- Locate the battery below the screen attachment.

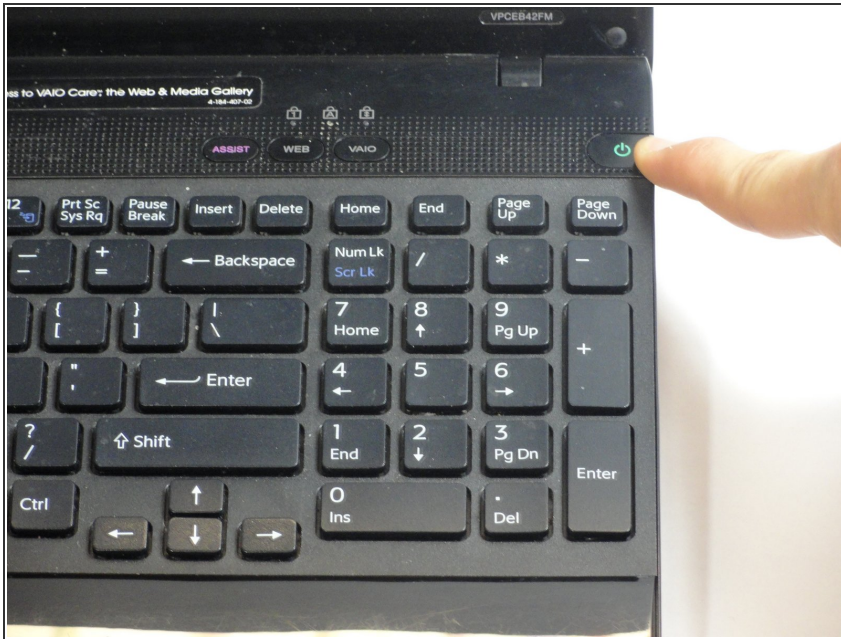- ⓘ The battery is shaped as a long rectangle with rounded edges.

Step 3

● Press into the release button while holding the unlock button in position.

Step 4

● Lift the battery out at the notch while holding the release button.
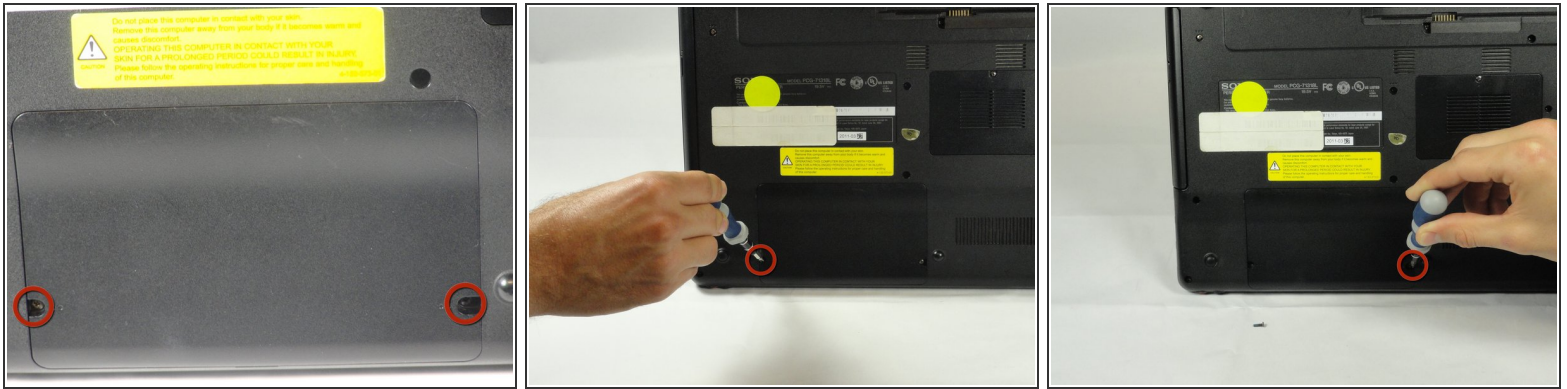
Step 5 — Hard Drive

- Remove all charge from the laptop by holding down the power button for at least 5 seconds.

Step 6

- Turn laptop onto its backside and locate the hard drive cover panel.

Step 7

- Use a Phillips #00 screwdriver to remove the two 7.75-mm cover screws on the bottom corners of the panel.

Step 8

- Use a finger/fingernail to grip the notch at the bottom of the panel to lift it off.

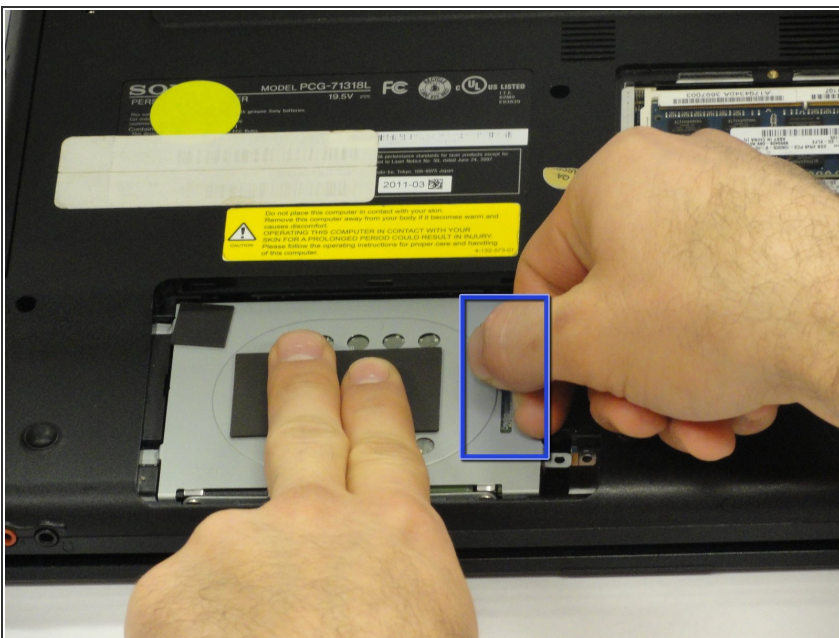- ⓘ You may need to use your other hand to safely remove the panel.

- ⓘ You can also use a spudger for this step

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Step 9

ⓘ The hard drive should now be exposed.

● Remove the two remaining 7.75-mm screws using the Phillips #00 screwdriver.

Step 10

● 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.

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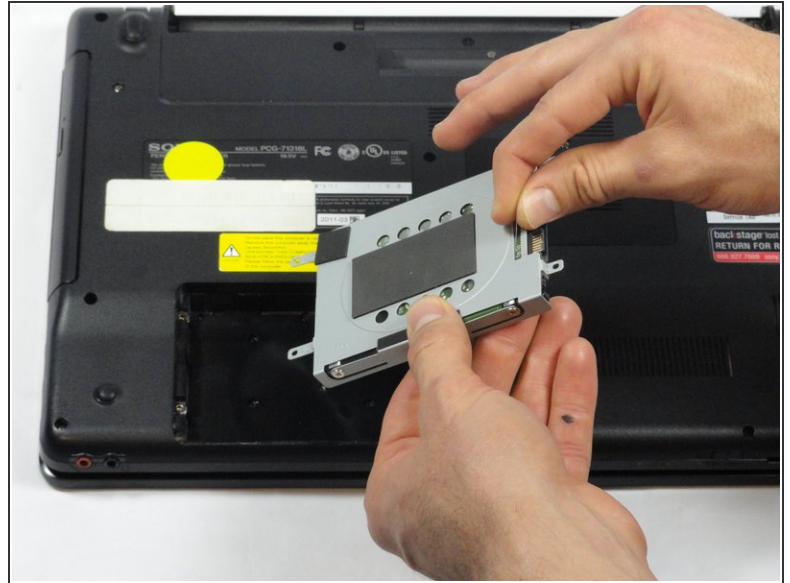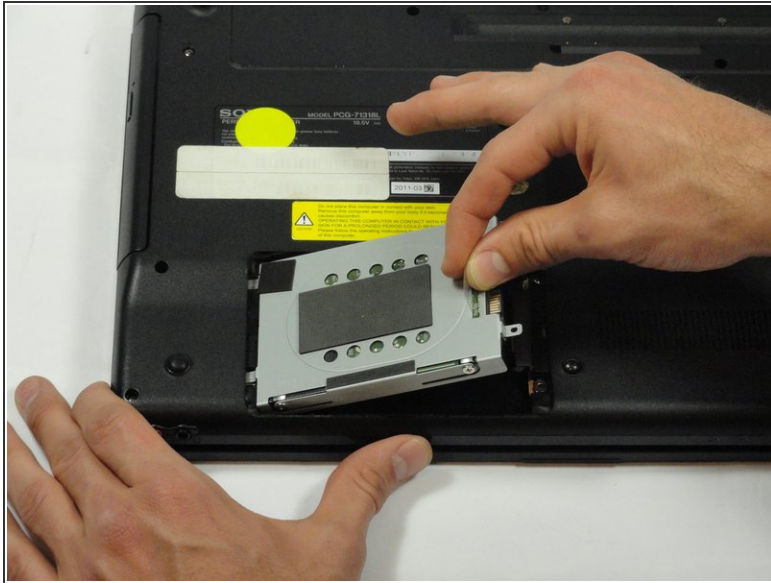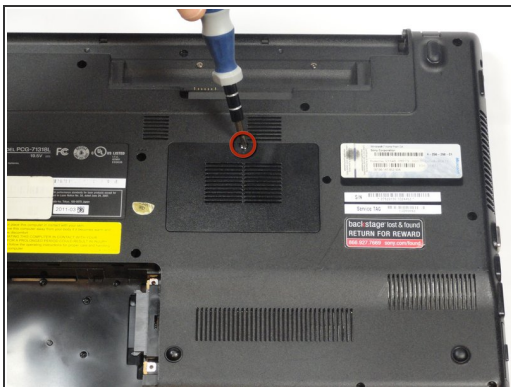
Step 11

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

- Pull the hard drive out.

Step 12
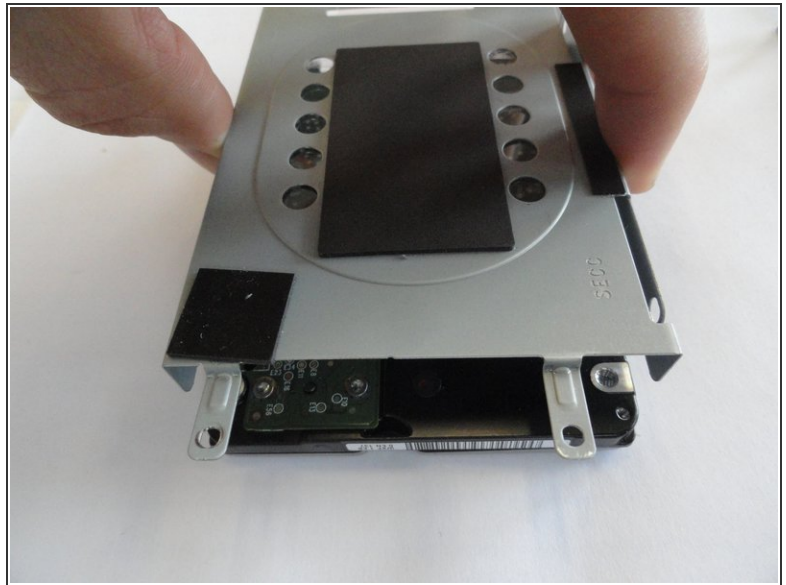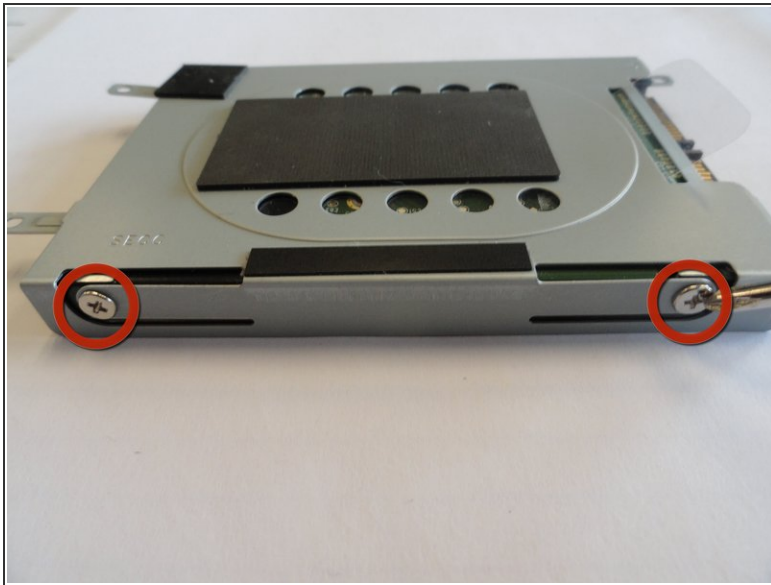
- If you need to remove the bracket from the hard drive, follow the next few steps:
  - Remove the two 3.67-mm screws from either side of the bracket with a Phillips #00 screwdriver.
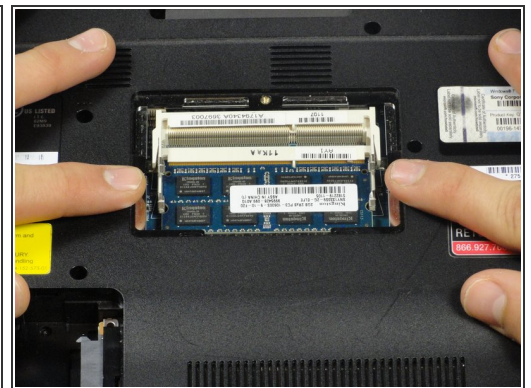 - Lift the bracket off the hard drive.

Step 13 — RAM

- Remove the one screw with a Phillips #00 screwdriver.
- ⓘ The screw cannot be removed from the RAM casing cover.

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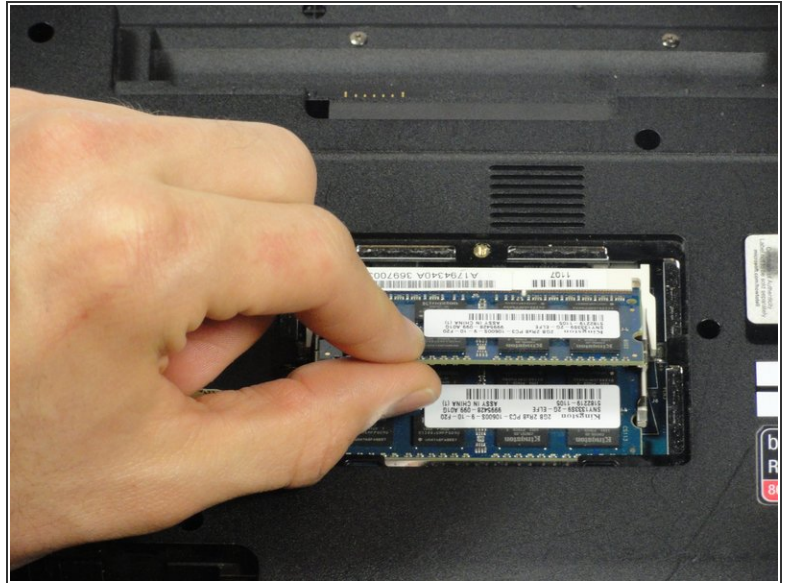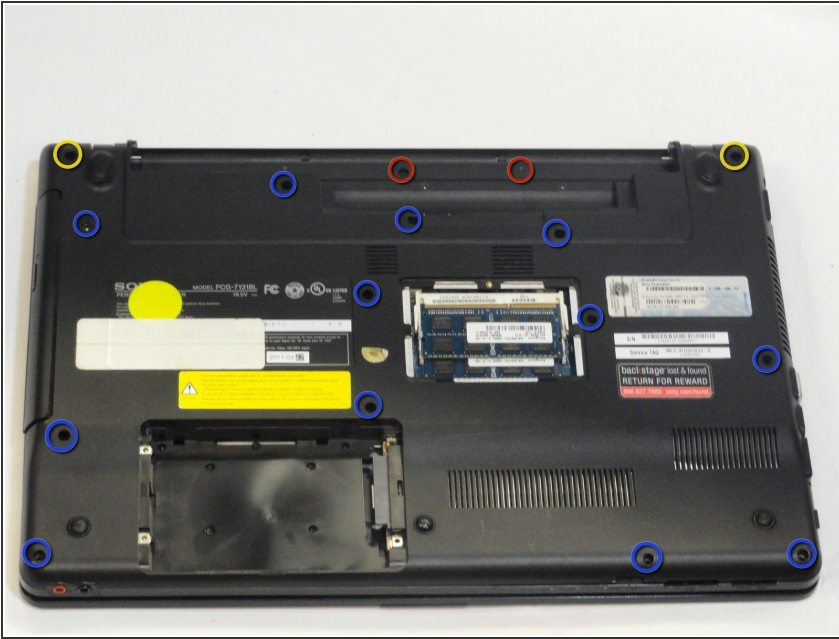
Step 14

- 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.
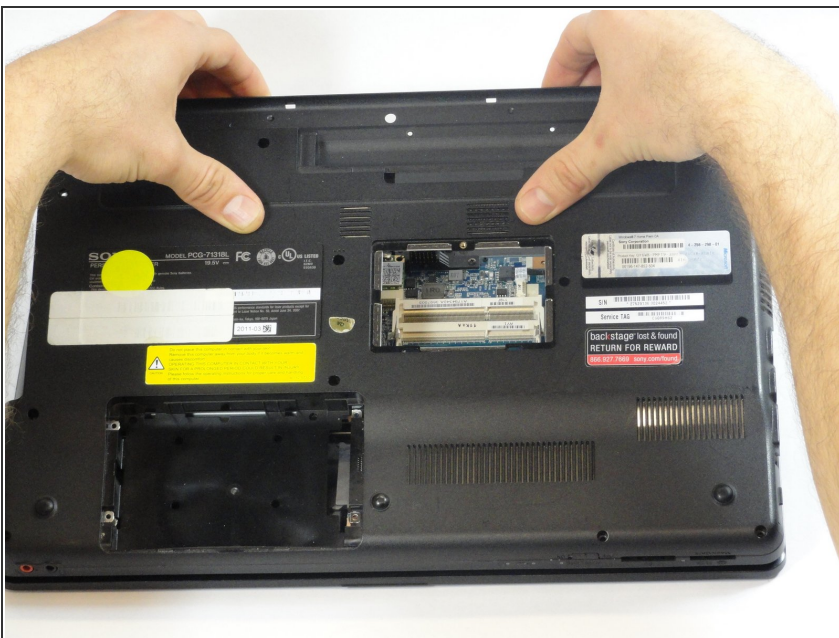
Step 15

- 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.

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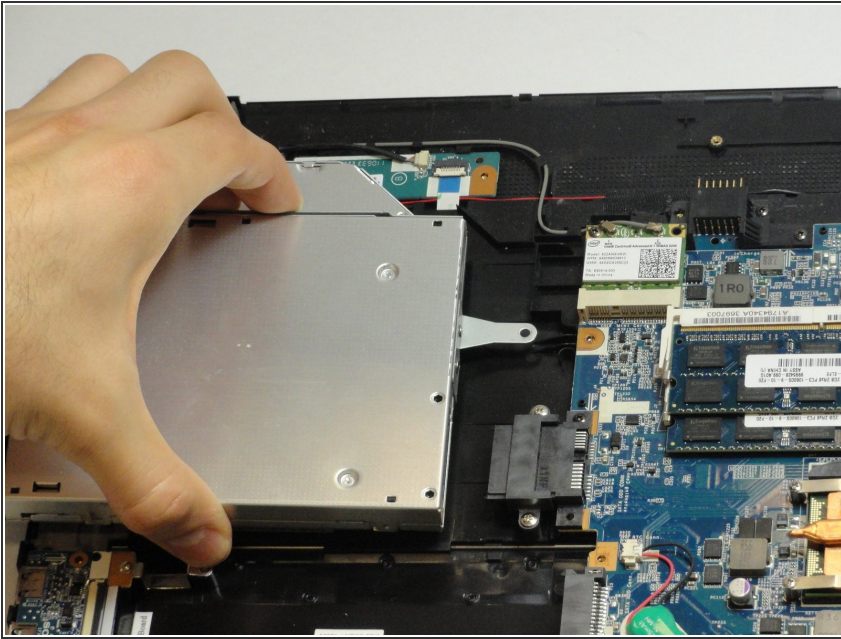
Step 16 — Keyboard

- 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 17

- ⚠ 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.

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Step 18

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

- (i) 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 19
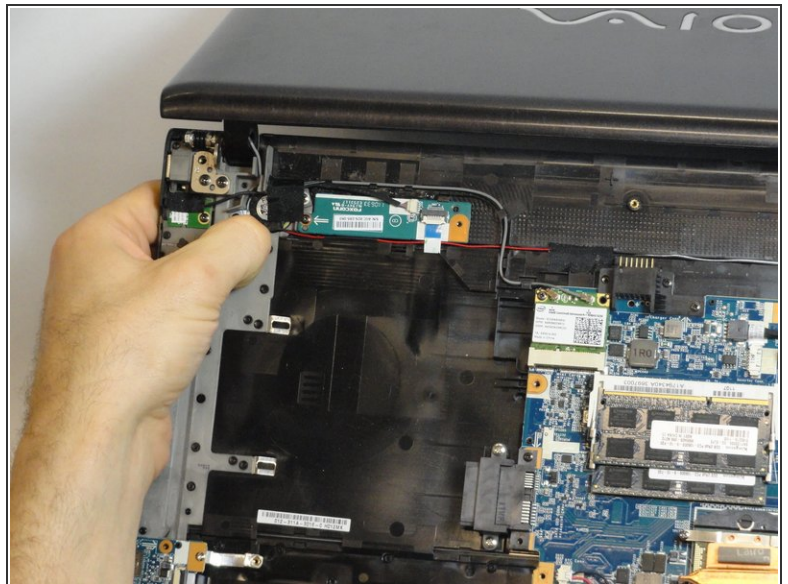
- ● Once the optical drive is removed, locate the keyboard ejection button and press down on it until you hear a snap.

- (i) Once you hear this sound, it means that a section of the keyboard has been ejected.

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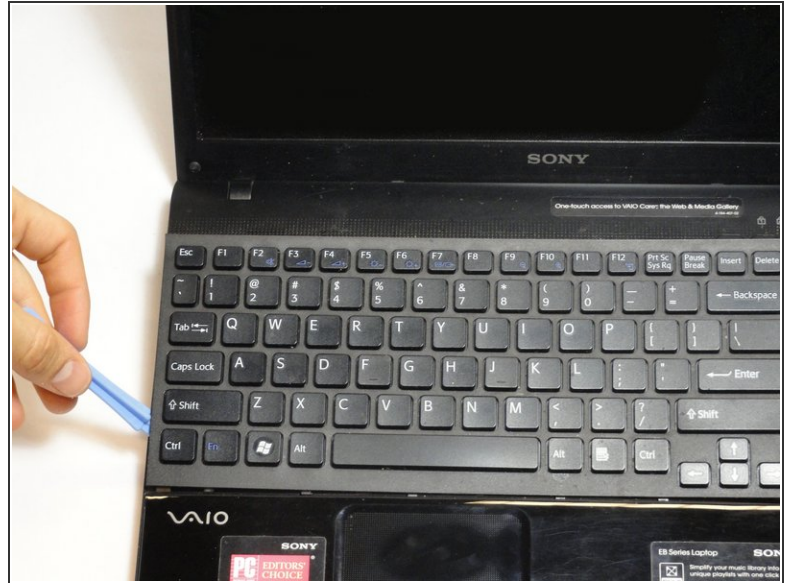
Step 20

- 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 21

- 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.

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Step 22

(i) Remain cautious to not break the hooks.

● Continue all the way around the keyboard until you can detach it from the laptop.
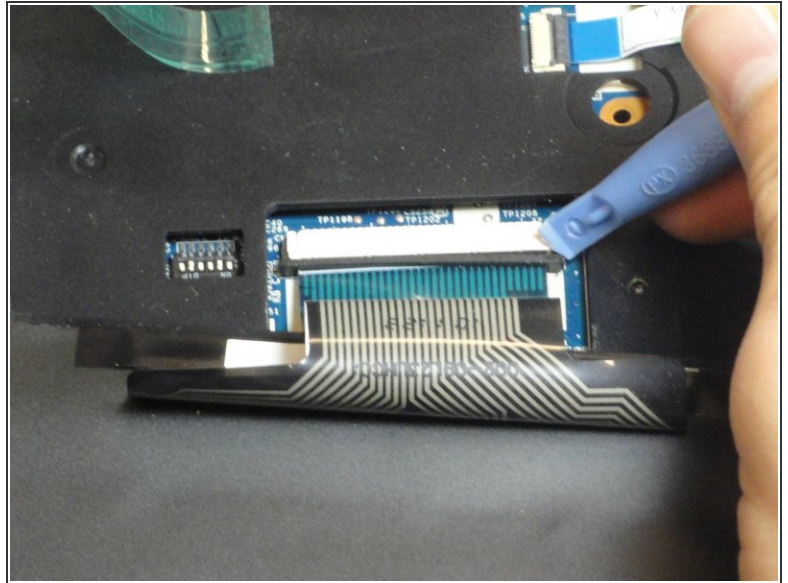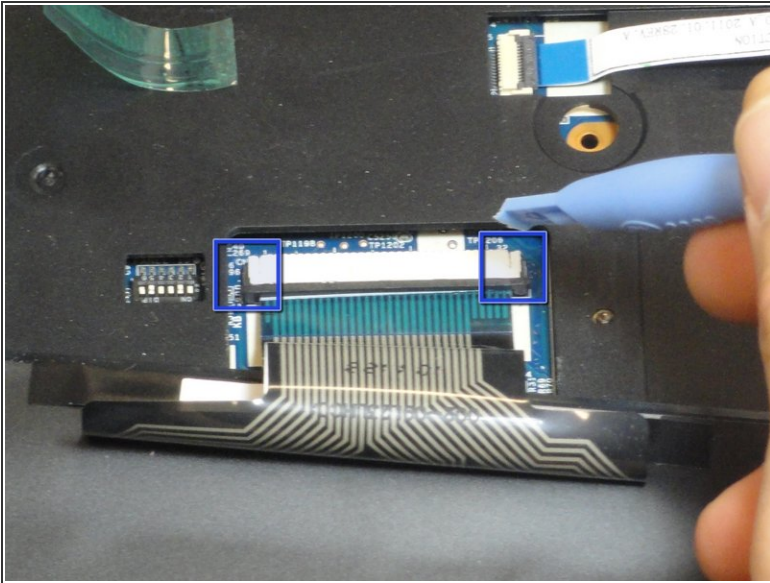
Step 23
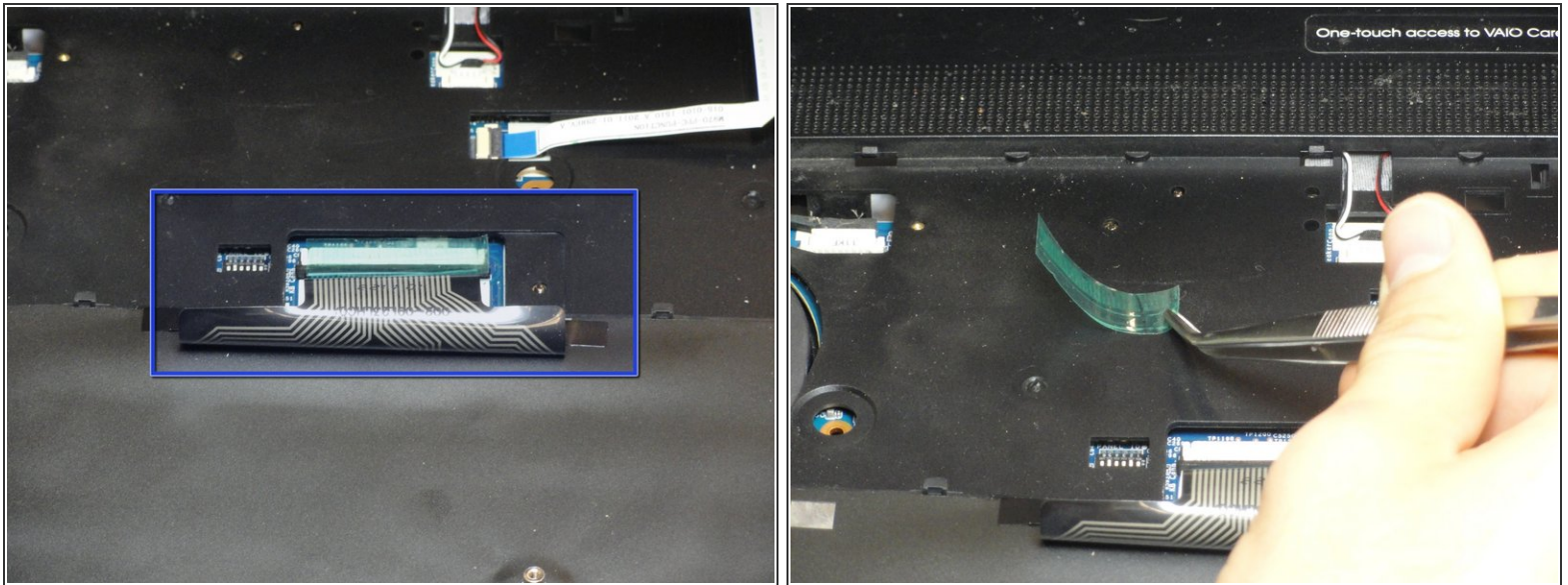
⚠️ Do not immediately pull the keyboard away from the laptop. There is still an attachment between the keyboard and laptop.
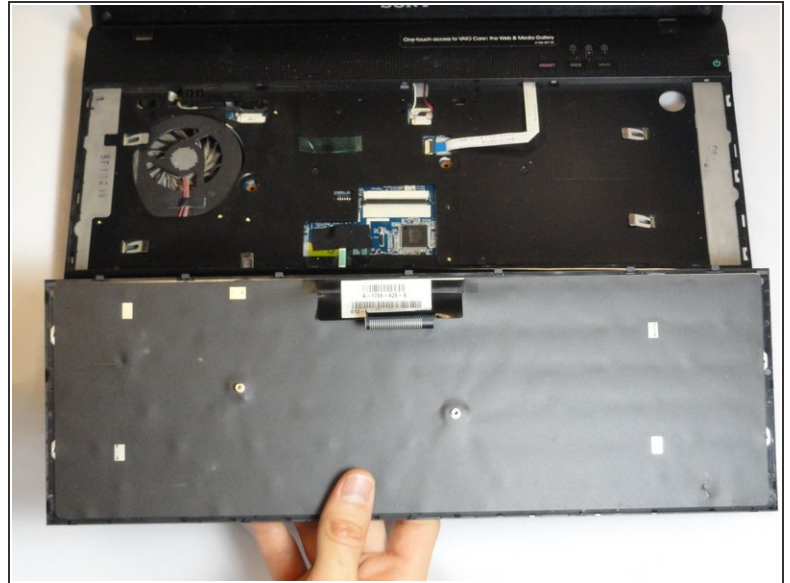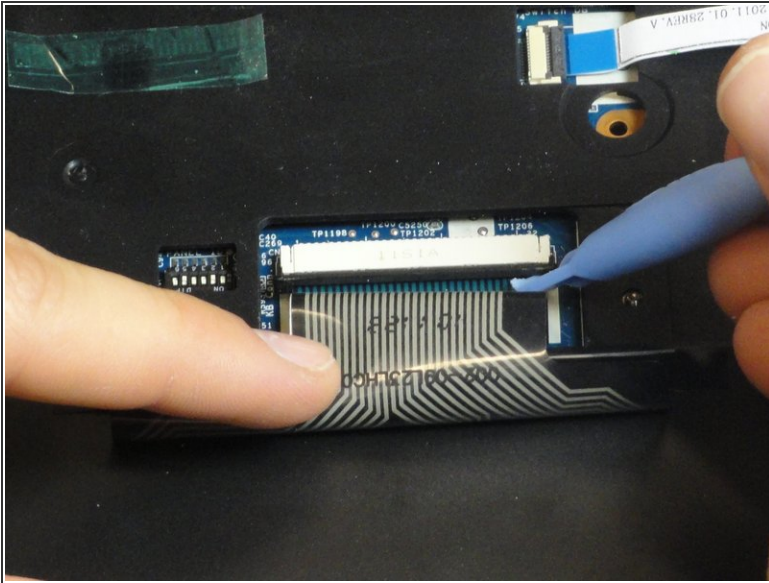
● Turn the keyboard on its face and locate the green tape and the ribbon attachment.

● Using the metal tweezer, remove only the green sticker.

● Place the sticker at any location as long as you remember to use it for installing the keyboard.

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Step 24

- Locate the black retaining arms.

- Using the plastic opening tool, pull the retaining arms out.

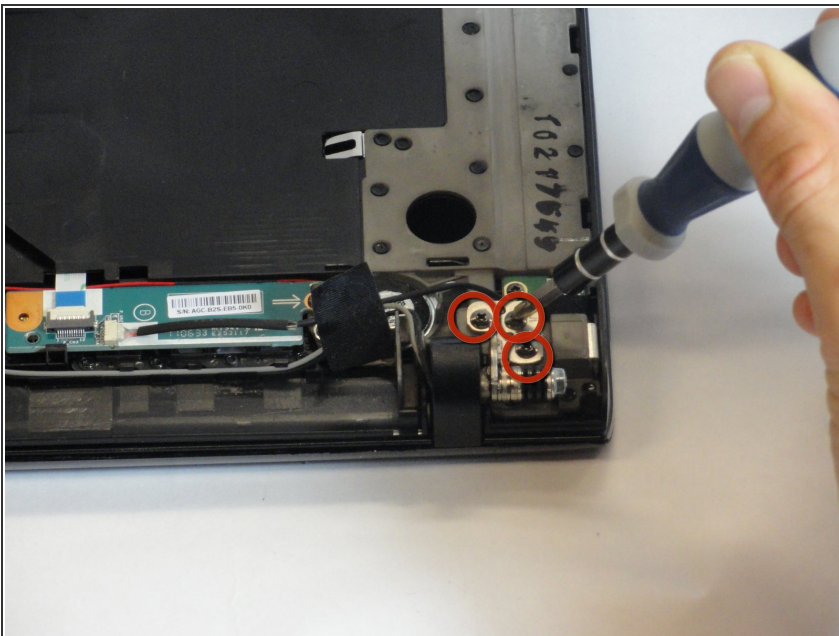- ⓘ The retaining arms will not come off completely.

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Step 25

ⓘ 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 26 — 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 27
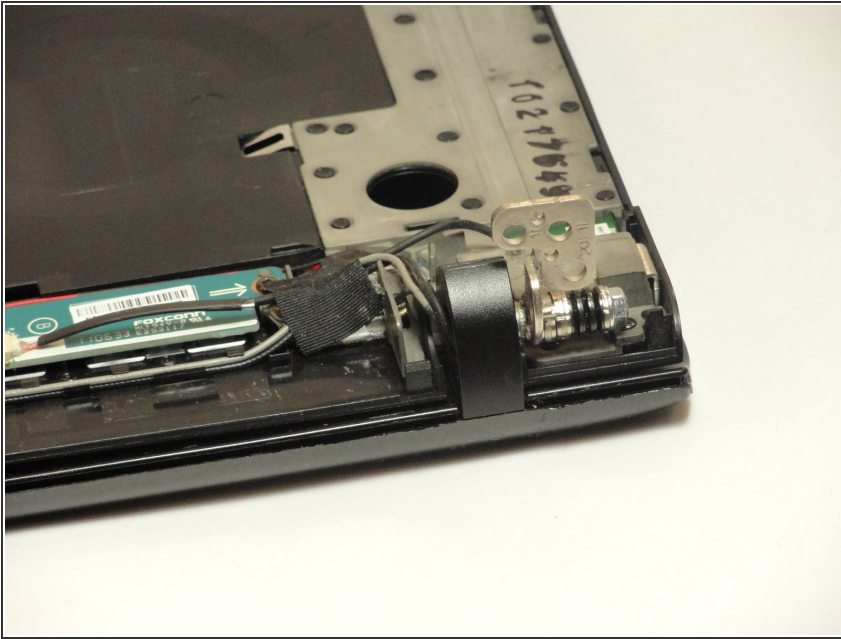
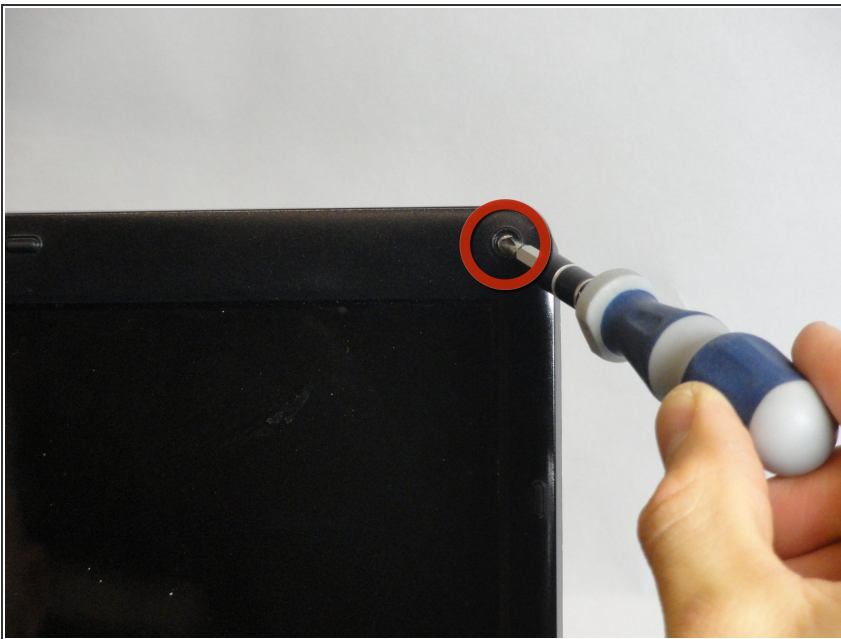

- Lift the metal hinges on each corner to a 90º angle.

Step 28

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

Step 29

- 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.
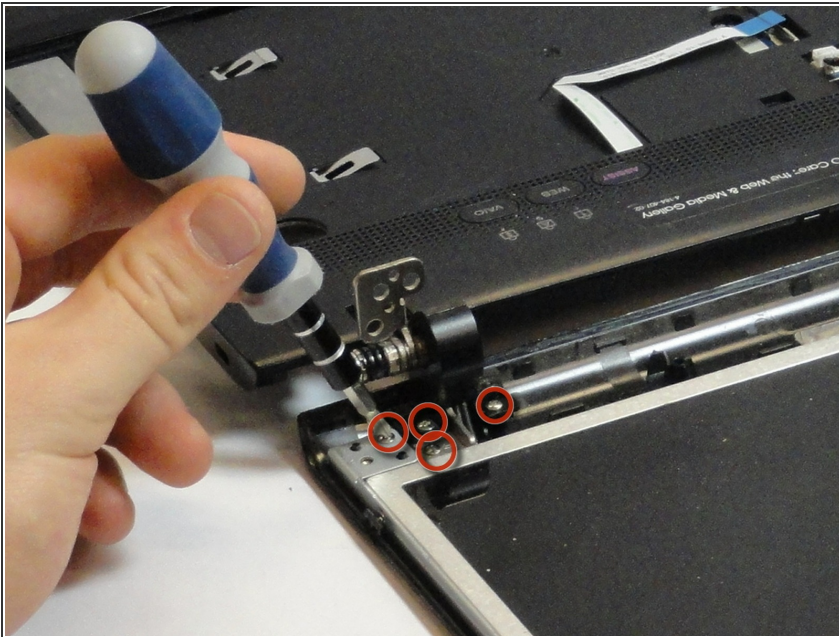
Step 30

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

Step 31

- 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 32

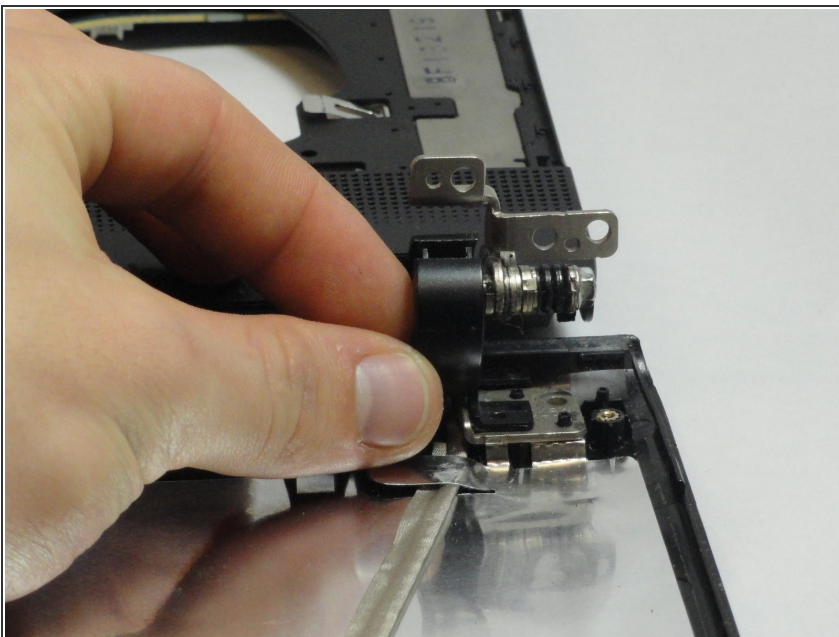- Use a Phillips #00 screwdriver to remove the four 5.65-mm screws on each bottom corner of the display.

Step 33
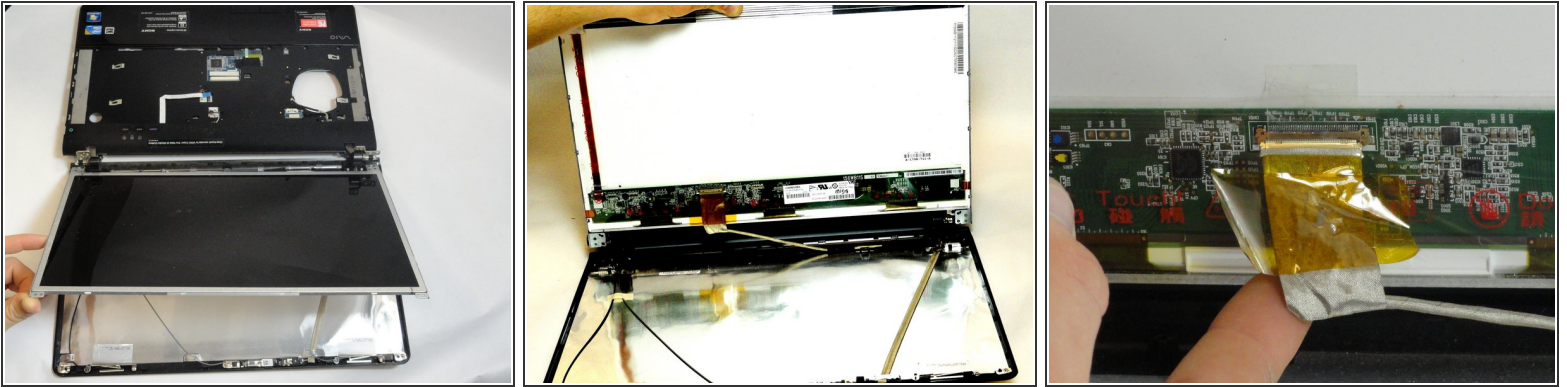
⚠️ Do not pull too hard to avoid damage to the connections.

- 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.
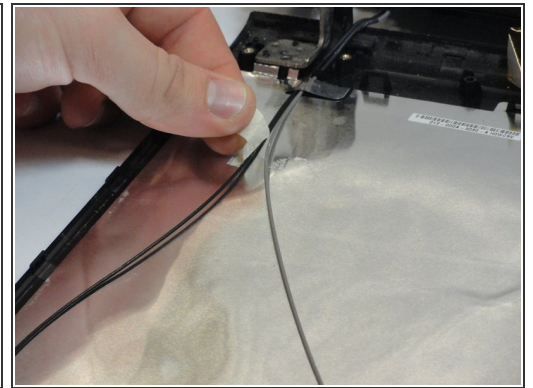
- Place the LCD screen aside.
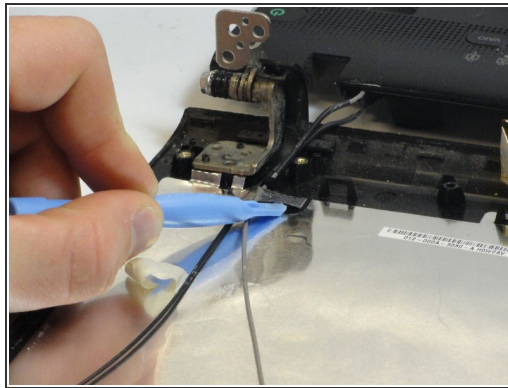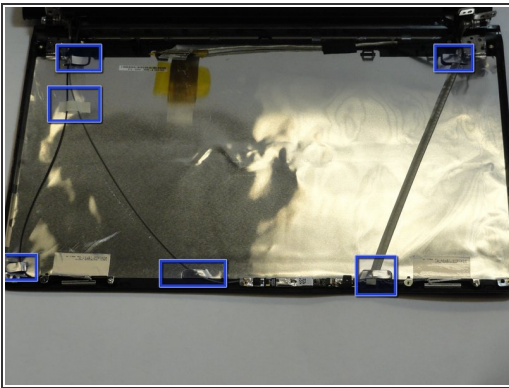
Step 34

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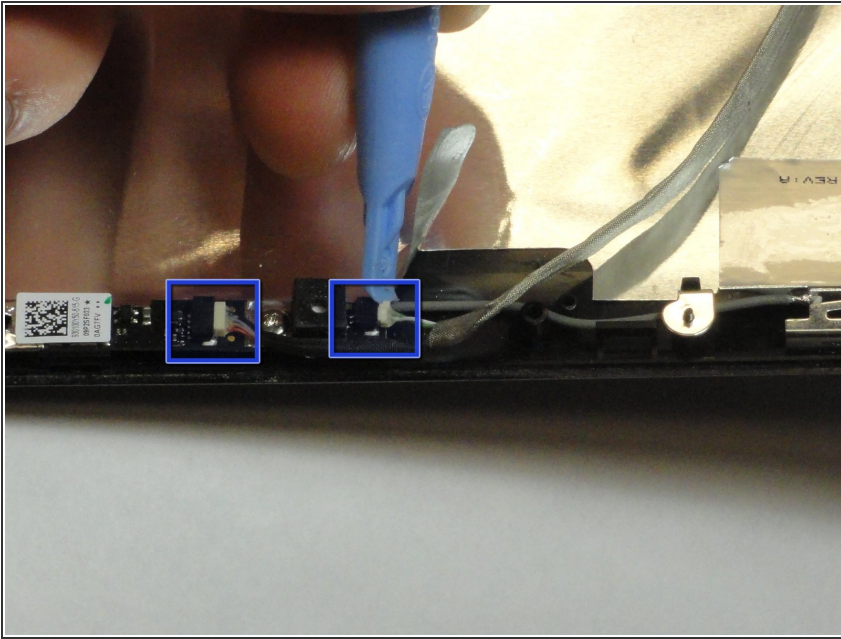
- Repeat for the other side.

Step 35
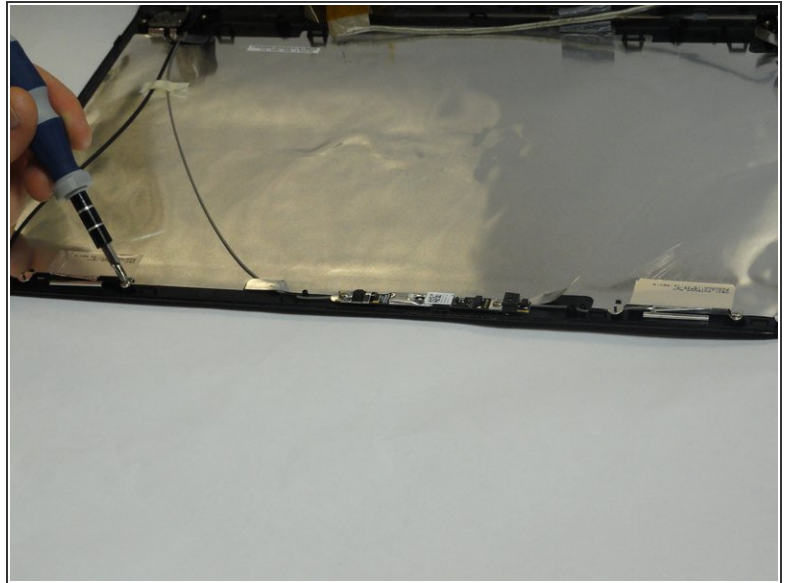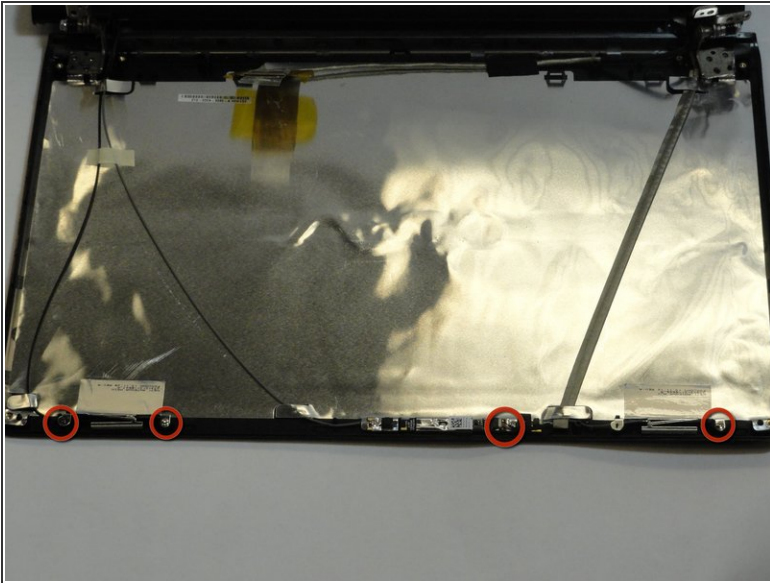
- Use a Phillips #00 screwdriver to remove the four 3.15-mm screws at top of the display.
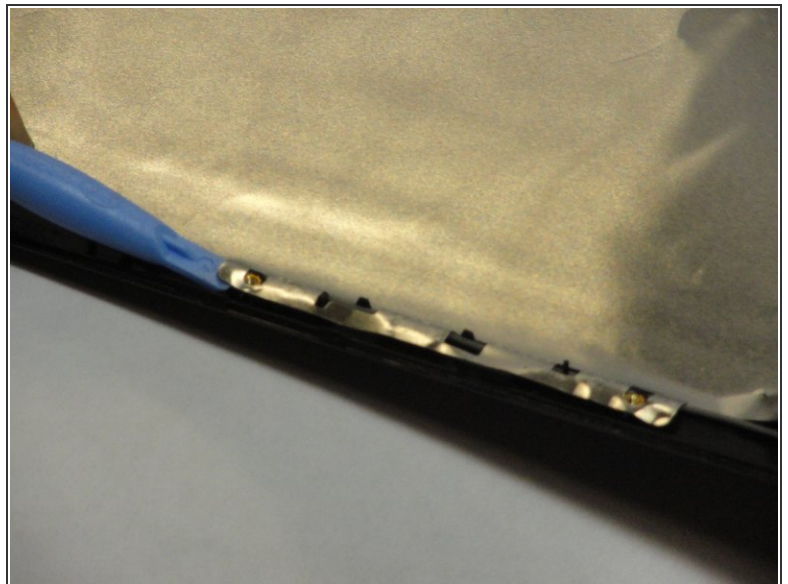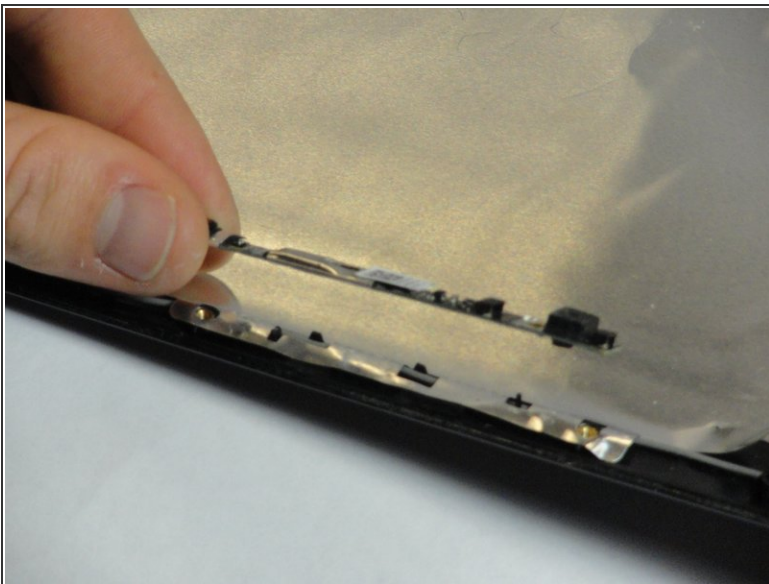
Step 36

- 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.

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Step 37

- ● Use a plastic opening tool to loosen and remove the two connections at the top end of the wire with a thick silver covering.

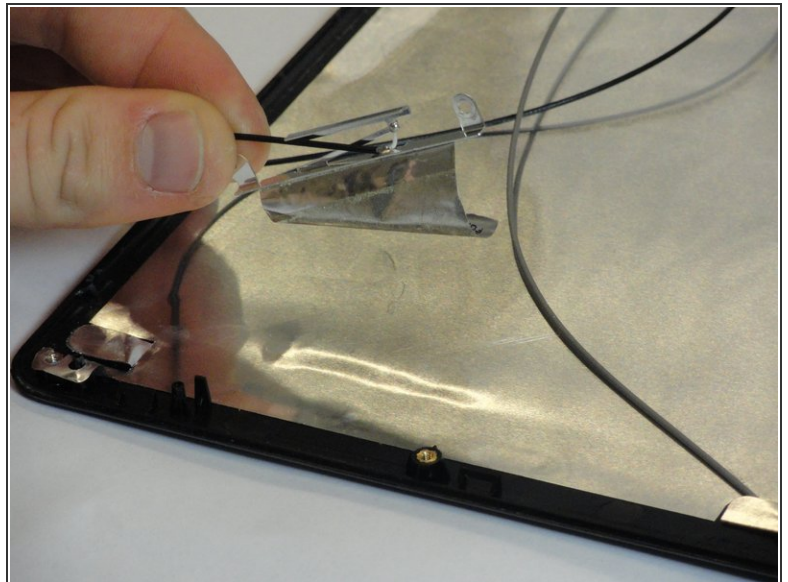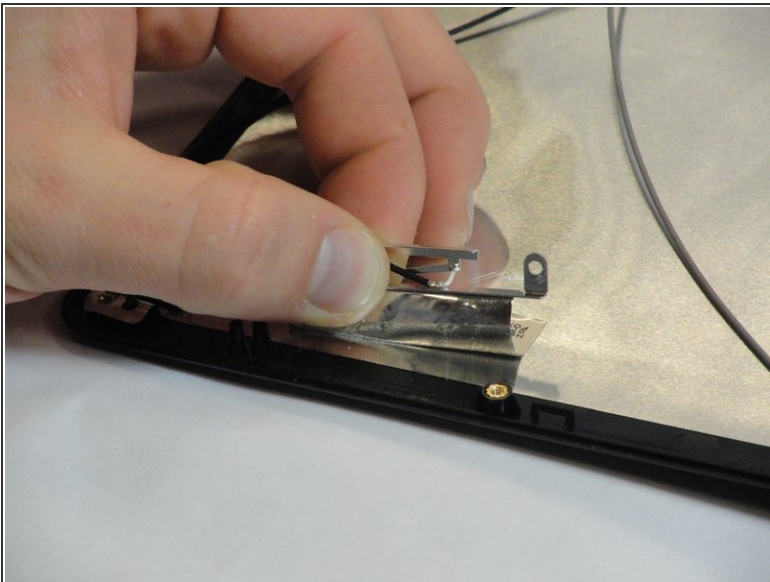- ⓘ Metal tweezers may also be used to remove the connections.

Step 38

- ● Carefully pull the webcam and to remove it.

- ● Fold back the metal flap under the webcam with the plastic opening tool.
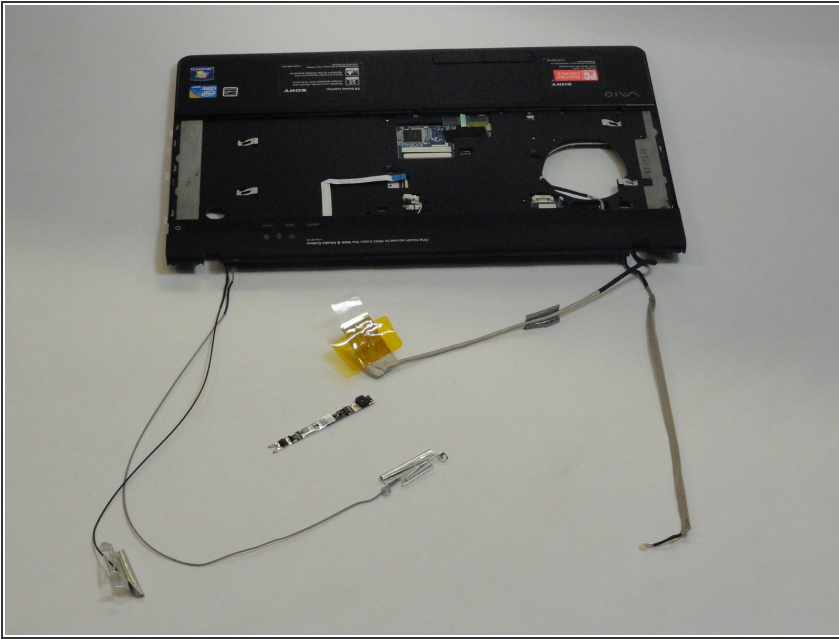
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Step 39
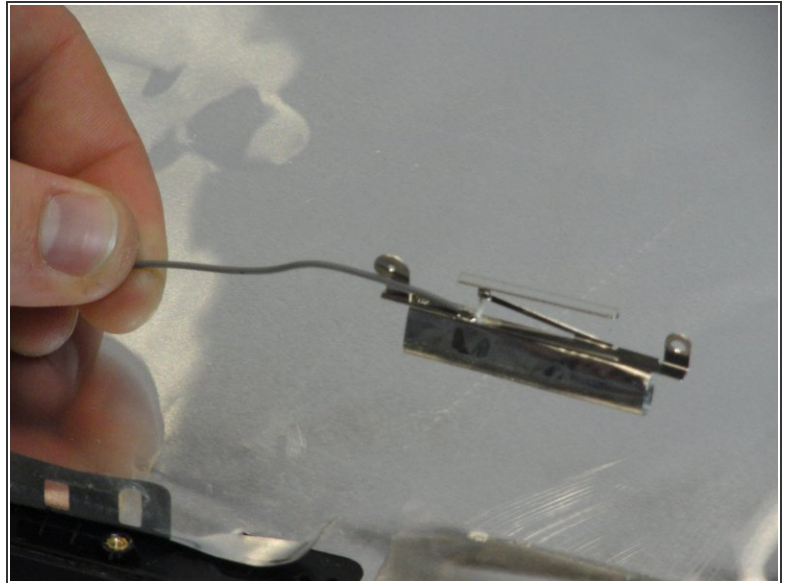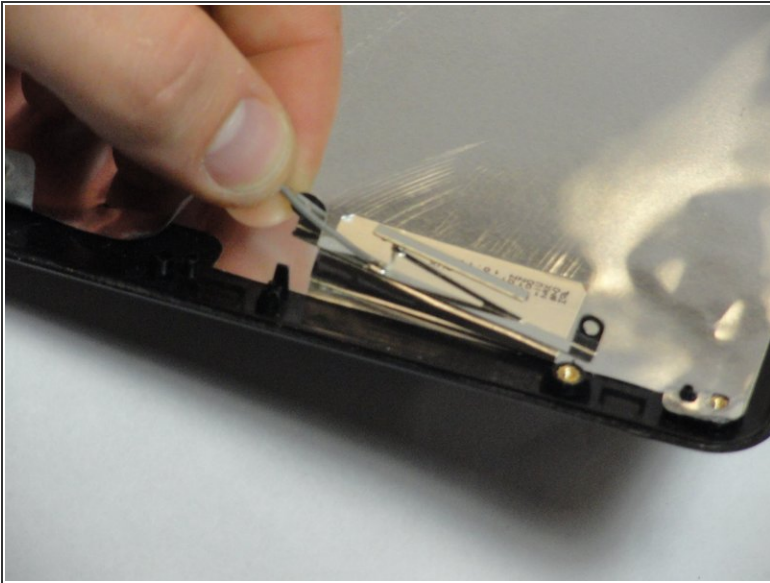
- Pull back the silver tape attaching the gray wire.

Step 40

- Pull back the silver tape attaching the black wire

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Step 41

- Remove the bottom cover.

- The laptop is now fully detached from the display.

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

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