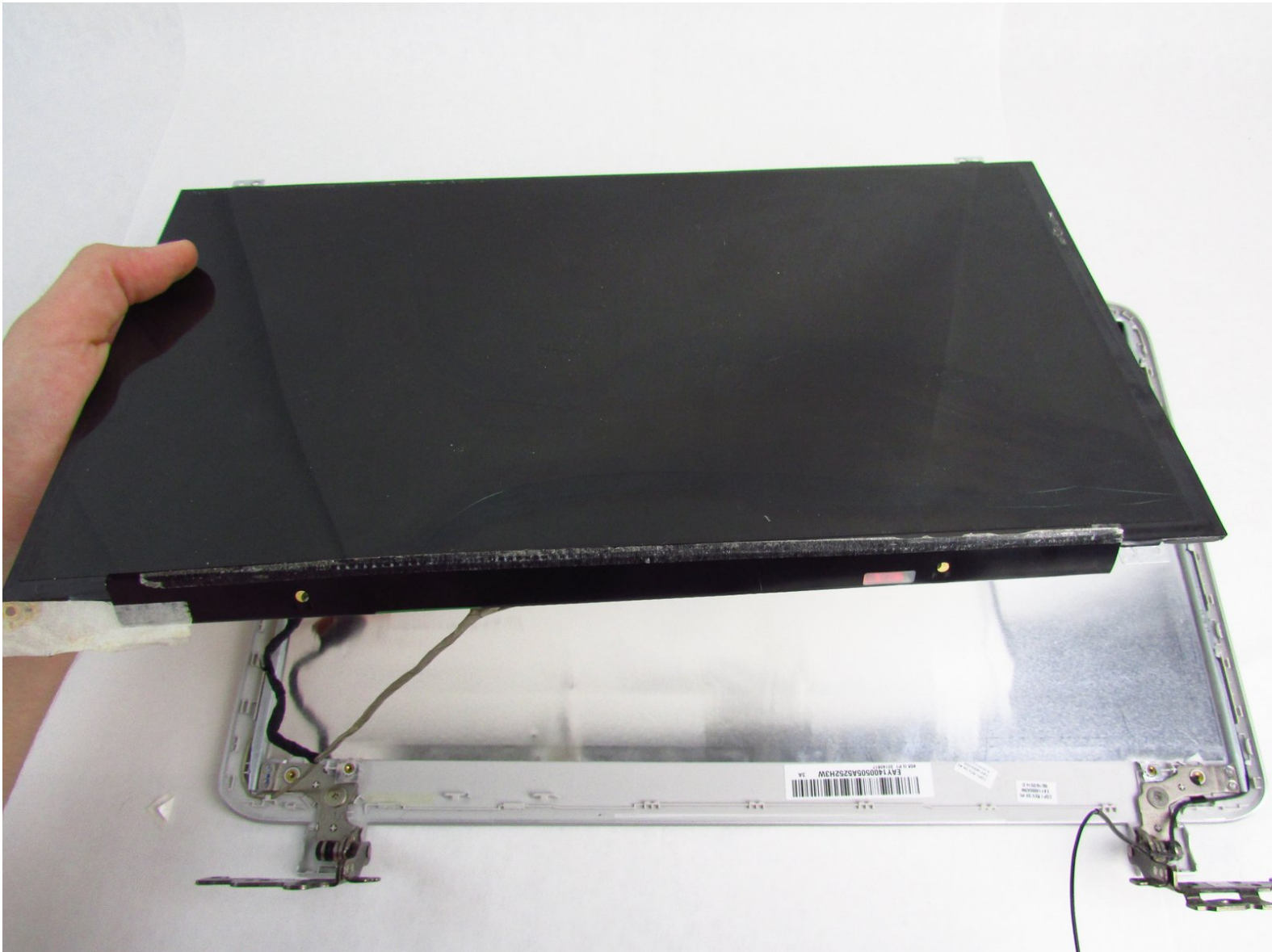# HP Pavilion 15-p046nr Display Screen Replacement

How to replace the display screen on an HP Pavilion 15-p046nr.

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INTRODUCTION

If your screen no longer works on your HP Pavilion 15-p046nr, you've come to the right place. This guide will walk you through how to replace your notebook's screen. You may need to replace your screen if it has been damaged in some way (water, crushed, white spots, cracking). Further signs you may need to change your display is if your display refuses to turn on for no apparent reason. You will need a magnetic project mat, Phillips 00 screwdriver, and plastic opening tool for this replacement. Be sure to to completely disconnect power from your device before working on your notebook.

TOOLS:

- iFixit Opening Tools (1)
- Phillips #00 Screwdriver (1)
- Magnetic Project Mat (1)

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Step 1 — Battery

- Flip the laptop over so the bottom is facing up.

- Place your finger on the top left-hand slide button with the lock symbol.

- (i) Moving the slide does require some force.

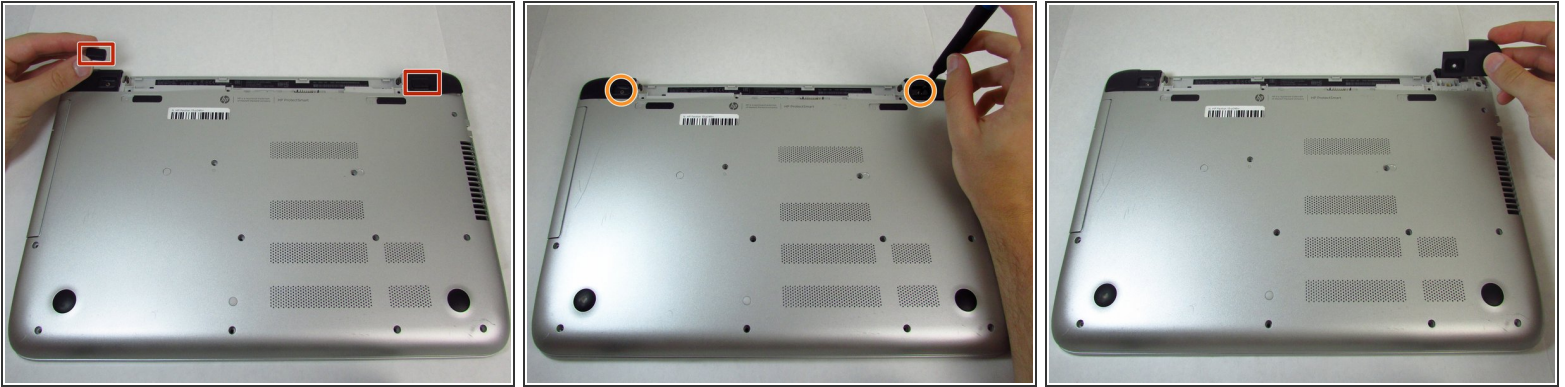- Slide the button to the right so that an unlocked symbol is visible.

Step 2

- Place your finger or thumb on the top right-hand slide with the battery symbol visible.

- Slide the button to the left.

- (i) Moving the slide will require some force.

- Lift the battery off the computer with your thumb.

- (i) You will not need to slide the right button with the battery to reinstall the battery.

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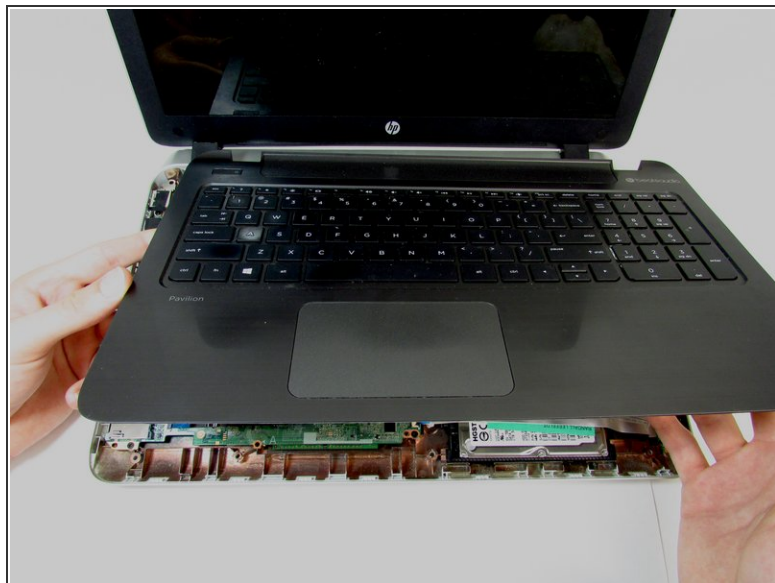
Step 3 — Integrated Keyboard

- Remove screw covers from the hinge covers on the upper left and right side.

- Unscrew one 7 mm screw from each hinge cover using the Phillips #00 screwdriver.

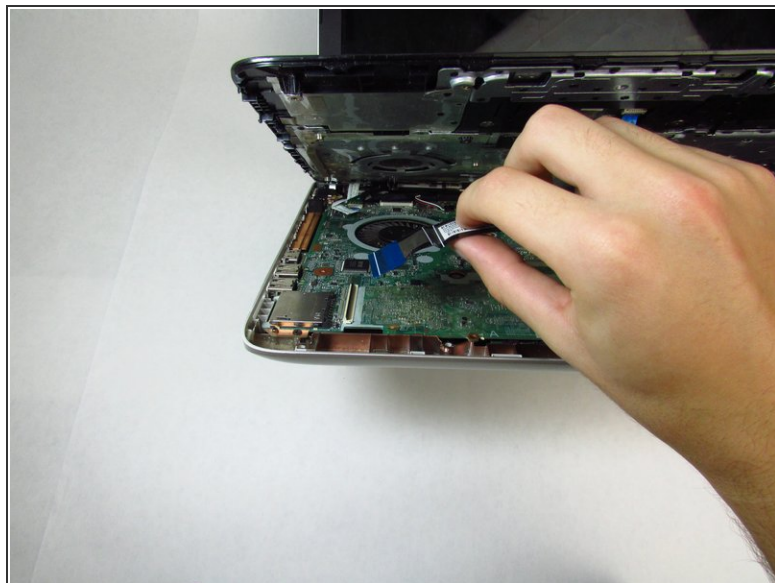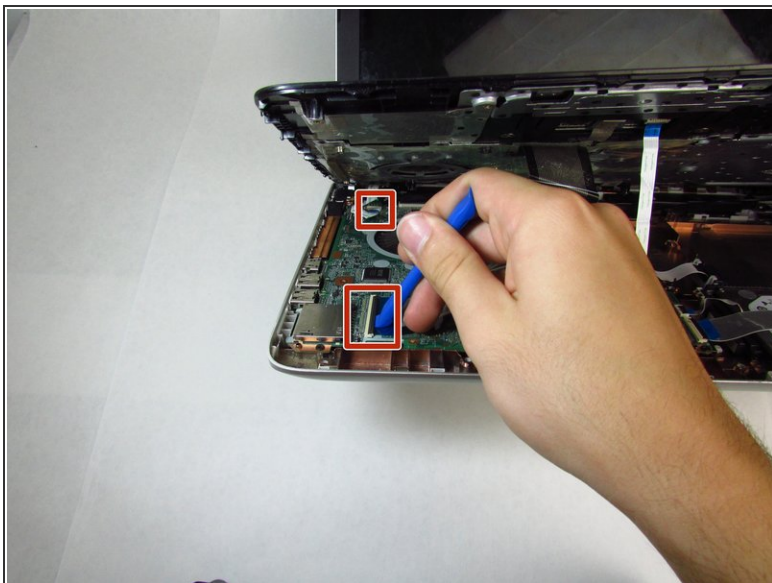- Remove hinge covers by pulling up and out on the top of the cover.

Step 4

- Remove thirteen 7 mm screws from the back panel using the Phillips #00 screwdriver.

- Remove three 5 mm screws from the back panel using the Phillips #00 screwdriver.

- Grab the disk drive on the left side and pull the disk drive out completely.

- Flip the laptop over and open the display.

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Step 5

- Run the plastic opening tool along the entire edge of the keyboard to separate the keyboard from the base of the laptop.

- Gently lift the keyboard tray up.

⚠ Use care to lift the keyboard off of the device. The keyboard is still attached by ribbon cables.

Step 6

- Use the tip of the blue plastic opening tool to gently flip-up the grey locking flap of the two ribbon cables connecting the keyboard to the device.

⚠ Make sure to only lift the flap and not the connector socket because the socket easily breaks off.

- Grab the ribbon cable and gently pull away from the socket.

📌 To reinstall, insert the ribbon cable into the connector and close the flap on the black line.

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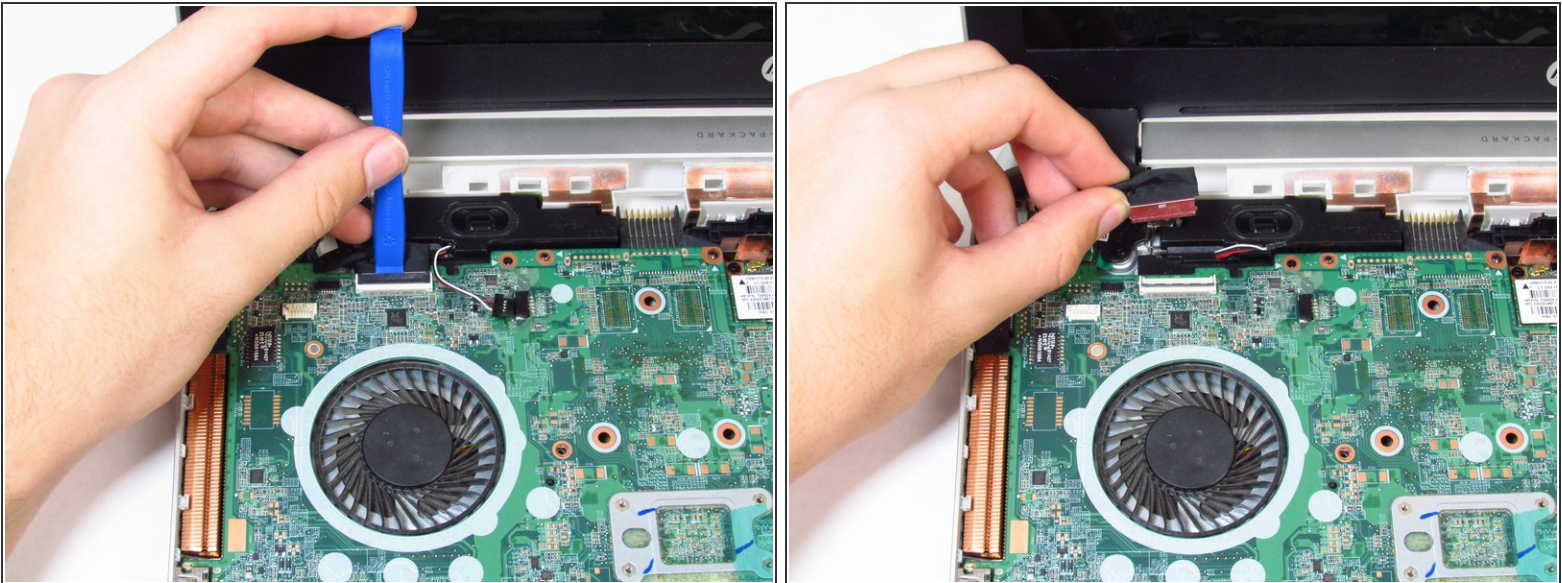© iFixit — CC BY-NC-SA

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Step 7

- Lift the keyboard up and away from the device.

⚠ Removing the keyboard exposes the motherboard and its sensitive components. Ensure no tools or items are set on the motherboard or it could cause damage.
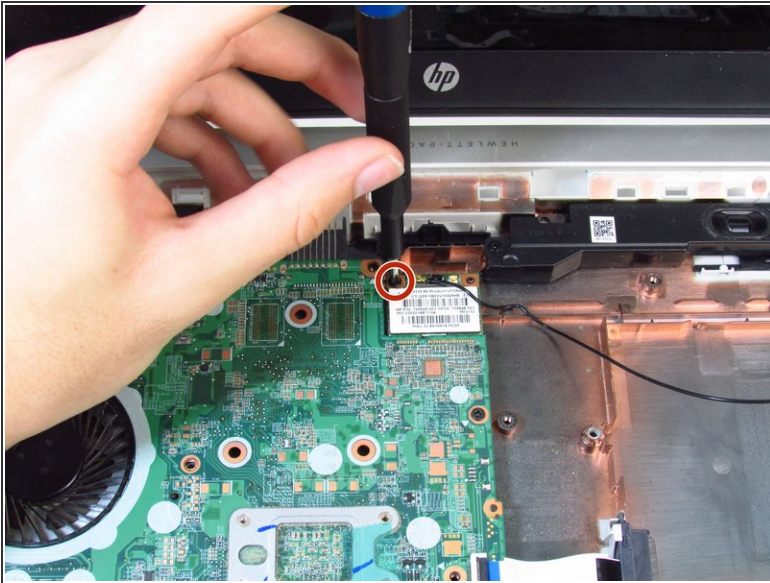
Step 8 — Display Screen

- Use the tip of the blue plastic opening tool to gently flip-up the black locking flap of the cable connecting the motherboard to the display.

⚠ Make sure to only lift the flap and not the connector socket because the socket easily breaks off.

- Grab the cable and gently pull away from the socket.

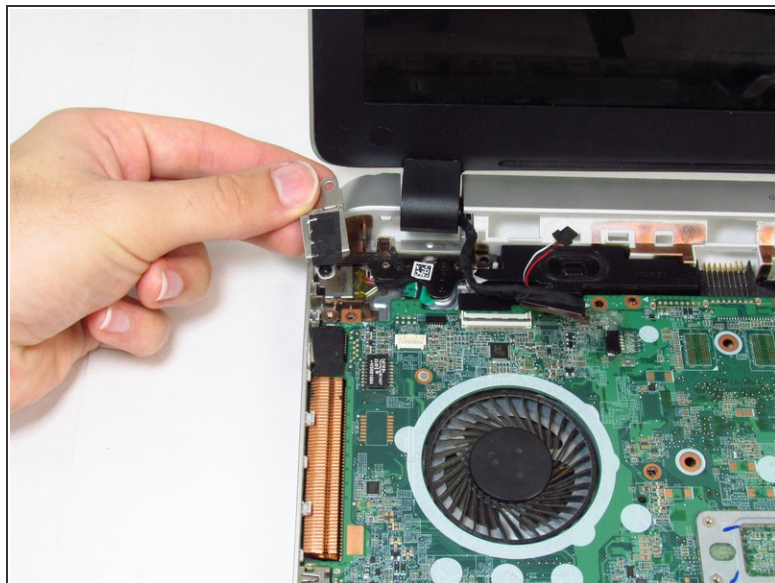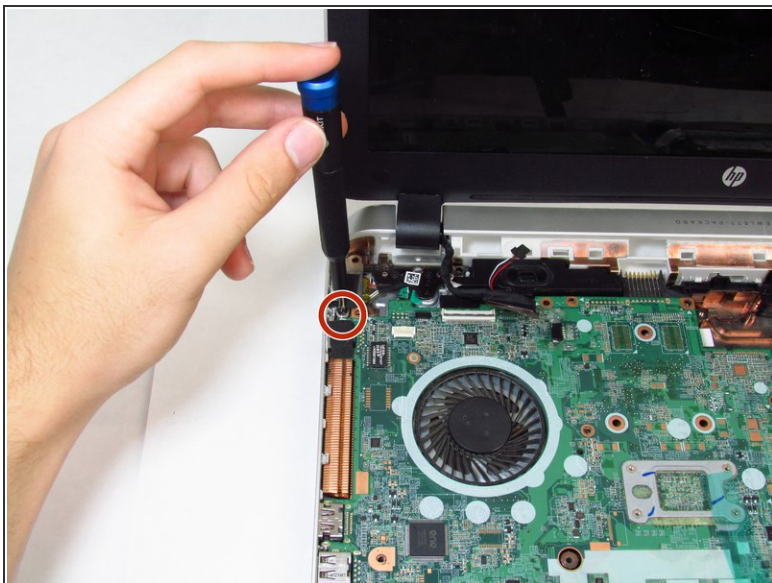This document was generated on 2020-01-03 12:16:20 AM (MST).

Step 9

- Unscrew one captive screw on the wireless card using the Phillips #00 screwdriver. The wireless card will angle upwards when the screw is removed.

- Gently pull the sound chip away from the motherboard at the same angle at which it rests.
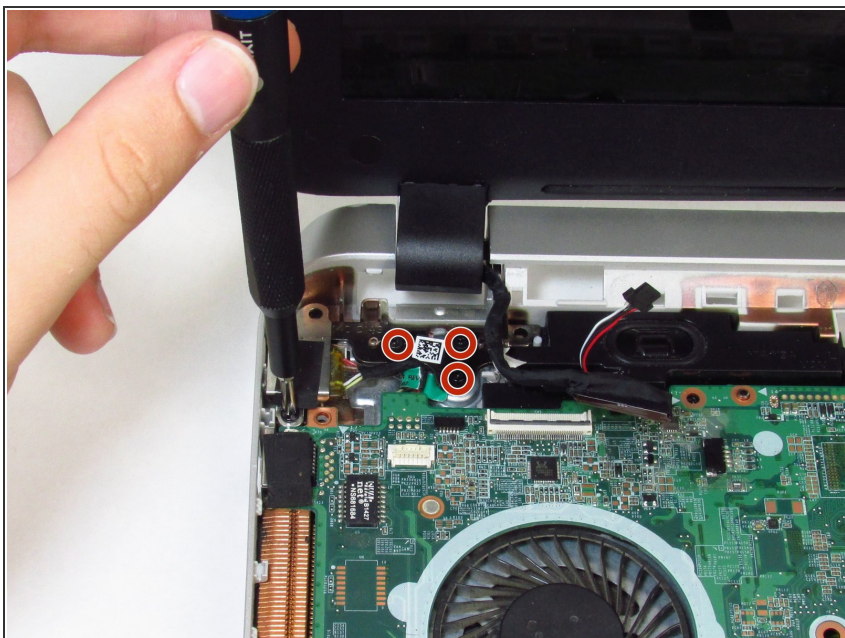
Step 10

- In the upper left corner of the motherboard, unscrew one captive screw from the charger port cover using the Phillips #00 screwdriver.

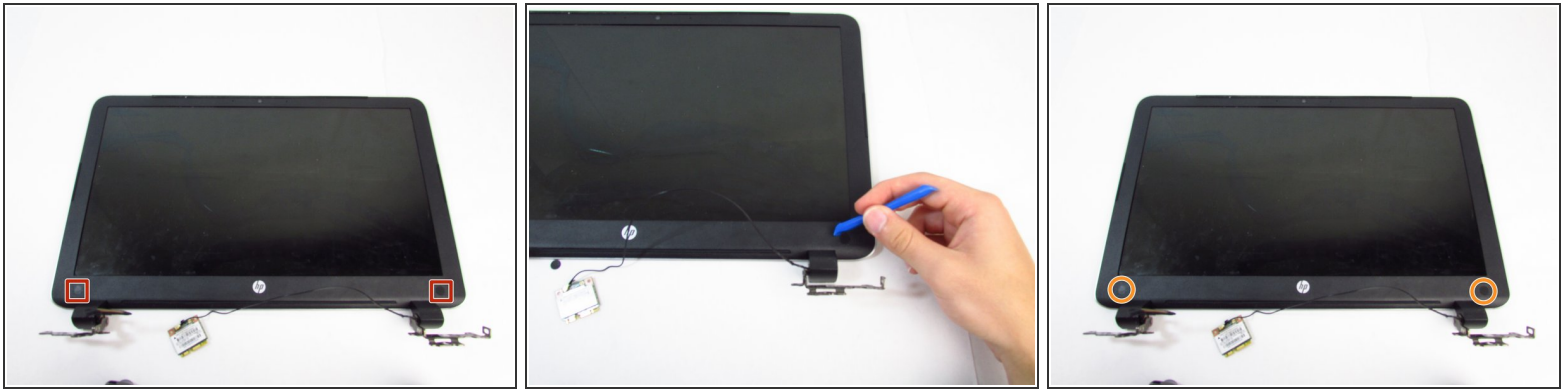- Remove the charger port cover from the device.

Step 11

- Remove all of the screws from the black hinge mounts on either side of the device using a Phillips #00 screwdriver.

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Step 12

- Carefully separate the top of the laptop and its hinges from the bottom half by pulling forward and up.

- ⚠ Ensure the wires protruding from the hinges do not get cut. You may need to maneuver the wires out of the way when separating the hinges.

- ⓘ Some force is required to pop the hinges out from the casing.

- Remove the display from the device.

Step 13

- Use the blue plastic opening tool to remove the two small screw covers on the bottom corners of the display.

- Remove the two 4 mm screws under each cover using the Phillips #00 screwdriver.
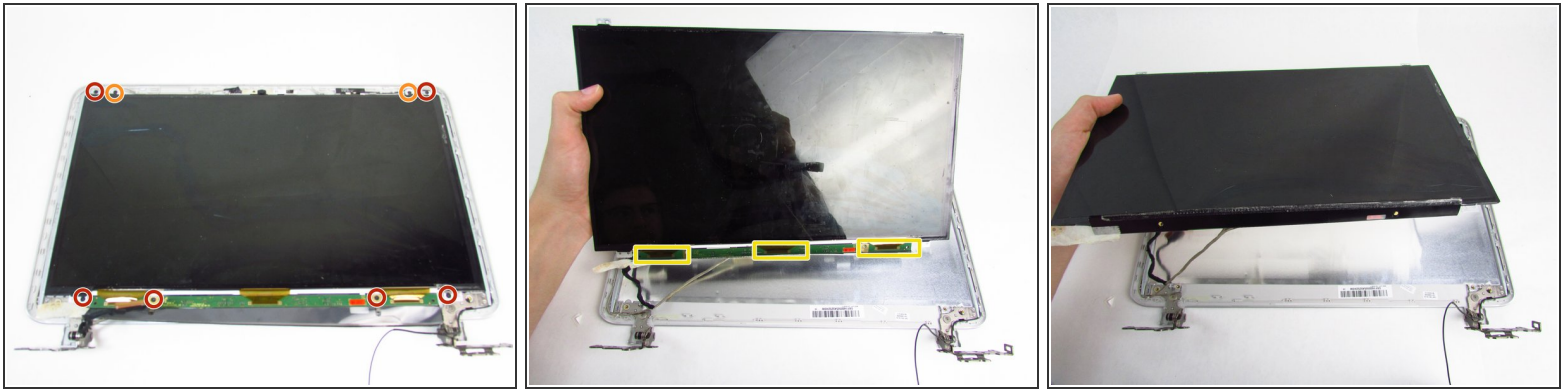
Step 14

- Use the tip of the blue plastic opening tool to separate the outer edge of the screen from the laptop.

- (i) It may be easier to use the opening tool on both the inside and outside perimeter of the cover. Be sure to go around all edges before lifting the outer edge off.

- Remove the display screen cover from the device.

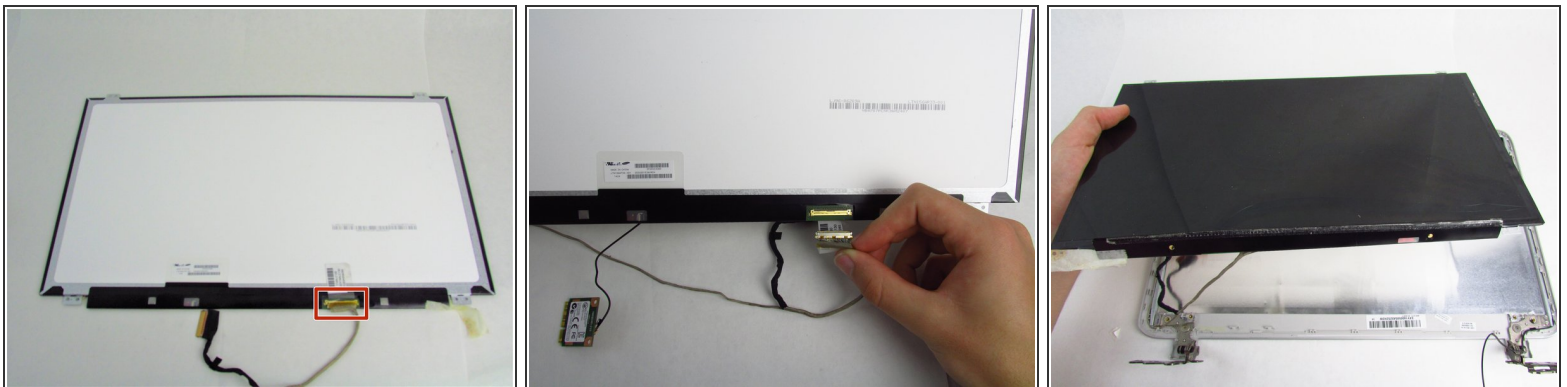This document was generated on 2020-01-03 12:16:20 AM (MST).

Step 15

- Remove the six 2 mm screws from around the display using the Phillips #00 screwdriver.

- Remove two 1.5 mm screws from around the display using the Phillips #00 screwdriver.

- Carefully peel off the tape at the bottom of the screen to separate the green chip from the screen.

- Remove the screen from the display.

Step 16

- Flip the screen over so that the screen is face down.

- Remove white video chip from screen by peeling off the tape and gently pulling on the white cable.

⚠ Be careful not to yank or jerk the cables because they can be easily broken.

- Remove the screen.

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

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