Dell Inspiron 15-7559 Teardown

This guide will demonstrate how to take apart the Dell Inspiron 15-7559.

Written By: Trenton Greevebiester

This document was generated on 2022-01-31 06:19:12 PM (MST).

INTRODUCTION

This guide will demonstrate how to apart the Dell Inspiron 15-7559.

🔧 TOOLS:

- iFixit Opening Tool (1)
- Phillips #1 Screwdriver (1)
- TR7 Torx Security Screwdriver (1)
- Metal Spudger (1)
- Tweezers (1)

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 1 — Back Panel

- Turn off the computer.

- Disconnect the charging cable from the computer.

  ⚠ Failure to turn off the device and disconnect the cable could lead to personal injury or device damage.

- Flip the computer upside down.

Step 2

- Remove the captive screw located on the top section of the back panel, using a Philips #1 screwdriver.

  ⓘ Keep in mind that the screw cannot be fully removed from the panel, even when fully loosened.

Step 3

- Use the blue, plastic opening tool to gently pry a section of the back panel open.

- Next slide the opening tool around the back panel to disconnect the clips holding the panel in place.

- After the clips have been disconnected, the back panel can then be easily lifted off the computer.

Step 4 — Battery

- Locate the battery on the bottom left side of the laptop.

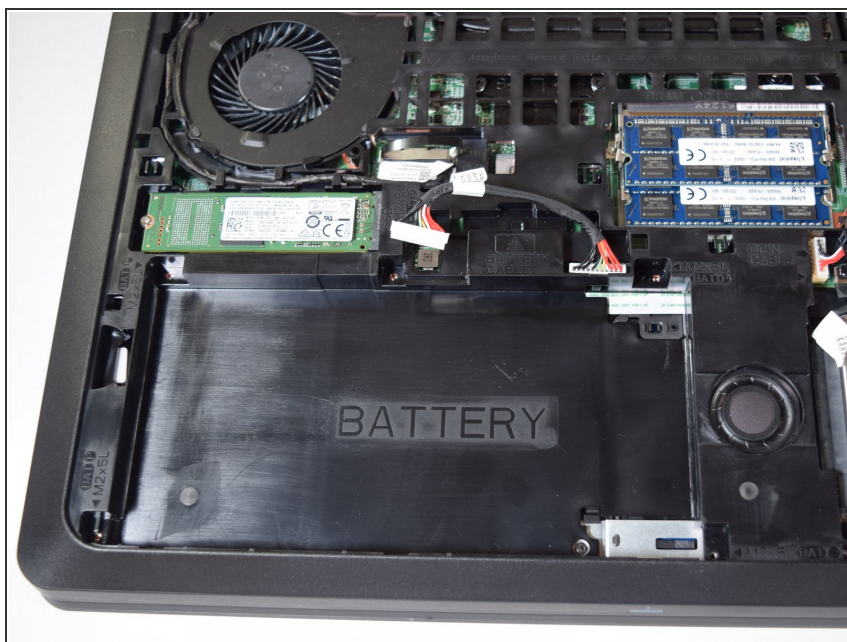This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 5

- Unscrew the 5 x 2mm x 5mm screws, using the T8 Torx screwdriver.
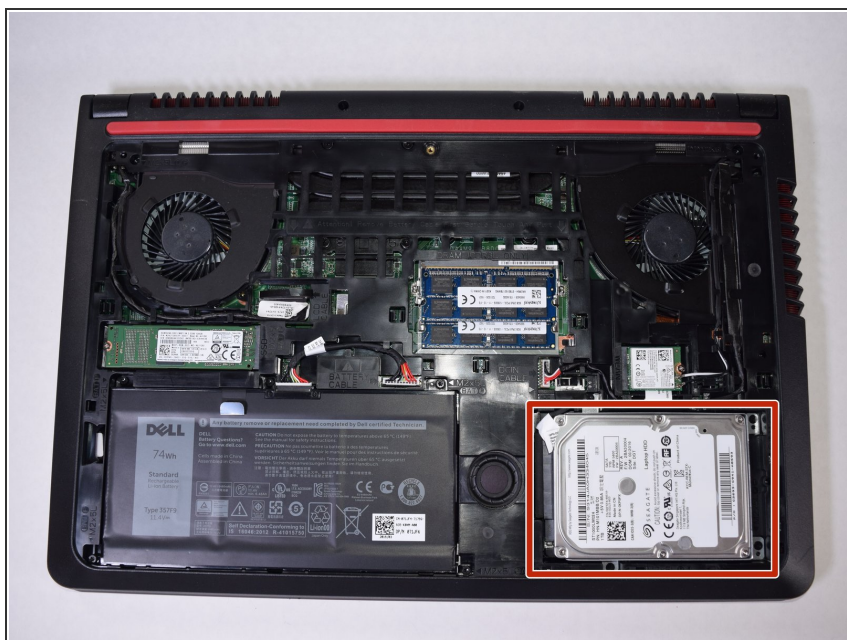
Step 6

- Using the tab above the battery, raise the battery far enough to disconnect the cables attached to it.

- Using your hand grab the white portion connecting the cables to the battery and disconnect it.

  ⚠ Do not pull on the cables directly. This would risk damaging them or tearing them from the device.

Step 7

- Now lift the battery from the device to remove it.

Step 8 — Hard Drive

- Locate the hard drive on the bottom right side of the laptop.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 9

- Unscrew the 4 x 2.5mm x 5mm screws, using the Philips #1 screwdriver.

Step 10

- Using your hands, raise the hard drive far enough to disconnect the cables attached to it.

- Using your hand grab the black portion connecting the cables to the battery and disconnect it.
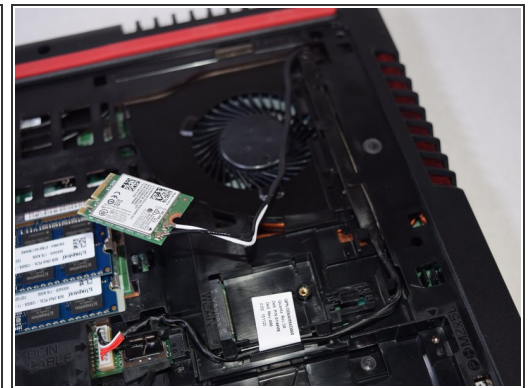
  ⚠ Do not pull on the cables directly. This would risk damaging them or tearing them from the device.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 11 — Dell Inspiron 15-7559 Teardown

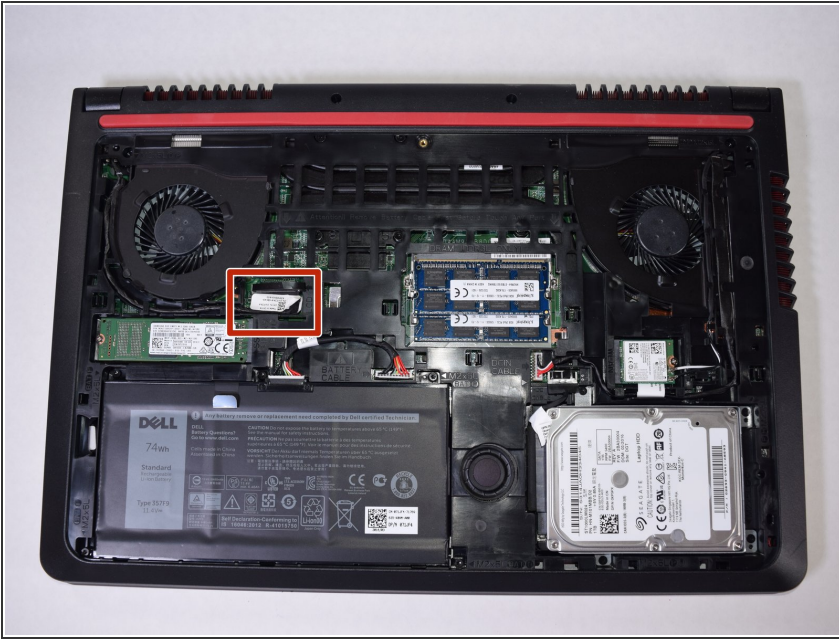- Locate the WLAN card. It will be on the right sides of the laptop.

Step 12

- Using a Philips #1 screwdriver, unscrew the 2mm x 3mm screw, holding the WLAN card in place.

- Using your hand disconnect the WLAN card by pulling it horizontally along the device.

- After the WLAN card has been disconnected, make sure to dethread the wires connecting it so that they sit freely.
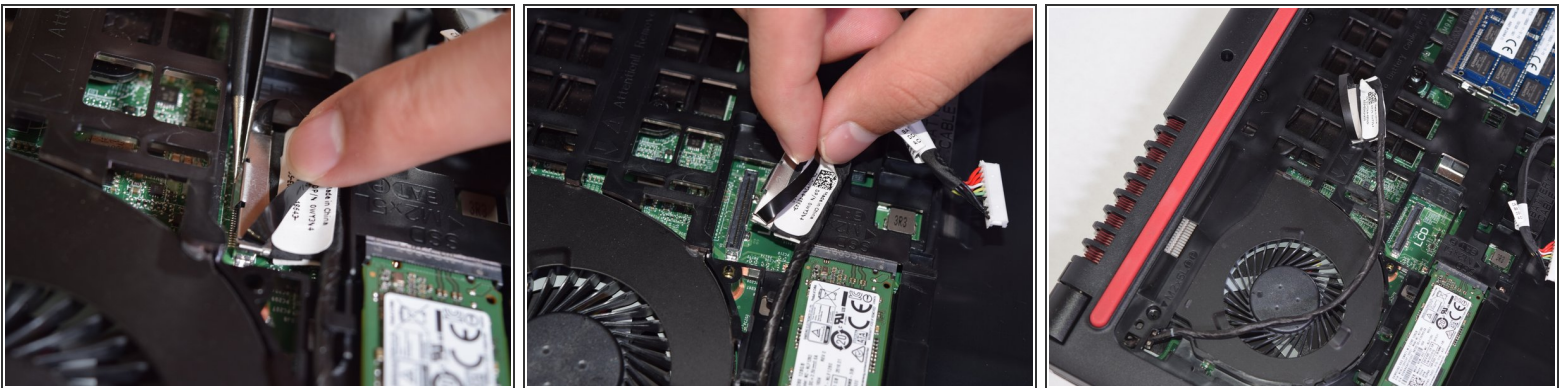
Step 13

- Locate the LCD cable, near the center of the laptop.

Step 14

- Using tweezers pull the metal tab, on the back of LCD connection point, away from it.

- Once the metal tab is sufficiently released, pull the black strap to disconnect the LCD.

- After the LCD has been disconnected, make sure to dethread the wires connecting it so that they sit freely.

This document was generated on 2022-01-31 06:19:12 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 9 of 18

Step 15

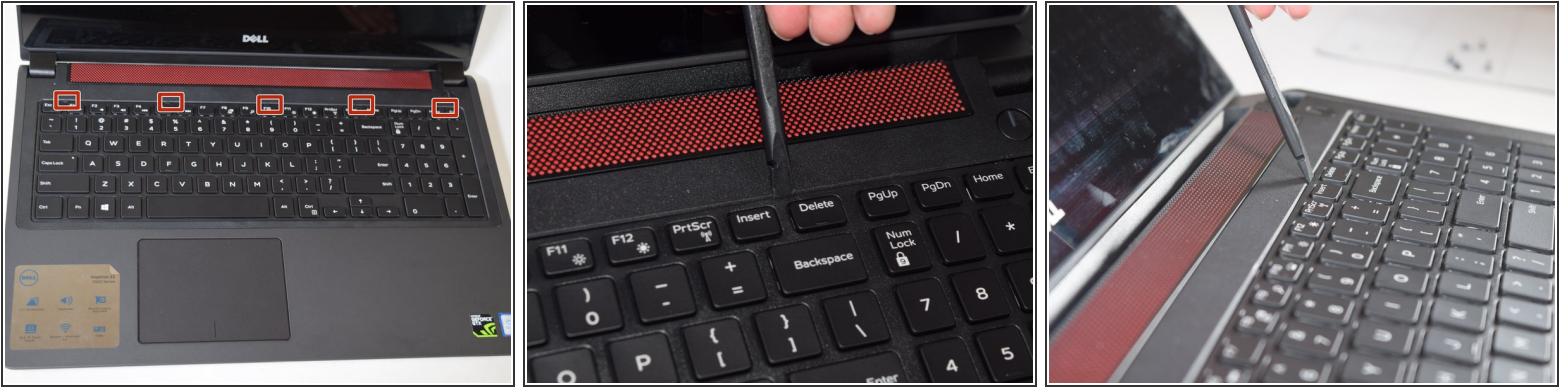- Using the Philips #1 screwdriver, unscrew the 4 x 2mm x 5mm screws, located on the top of the laptop.

Step 16

- Flip the device over and lift the screen.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 17

- Using the flat end of the spudger press in the 5 tabs, located on top of the keyboard, as you use the spudger to pry each section up.

- After releasing the 5 tabs, slide the opening tool around the top and sides of the keyboard to make sure it is fully released.

Step 18

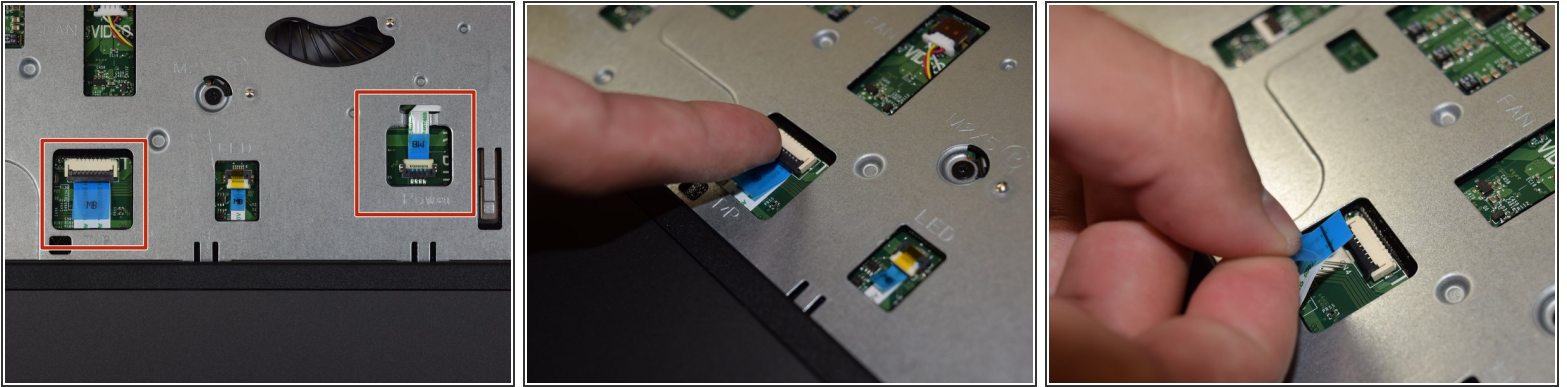- Now lift the keyboard enough to access the ribbon cables beneath it.

Step 19

- For the two ribbon cables connecting the keyboard to the laptop, use your finger to lift the latch up.

- Once the latch is raised, lift the ribbon cable up and out of the latch.

Step 20

- Now that the keyboard has been fully disconnected from the laptop, lift it off of the device.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 21

- Locate the ribbon cable for the track pad and the power.

- For both ribbon cables, use your finger to lift the latches up.

- Once the latches are raised, lift the ribbon cables up and out of the latches.

Step 22

- Locate the two screws near the center of the laptop.

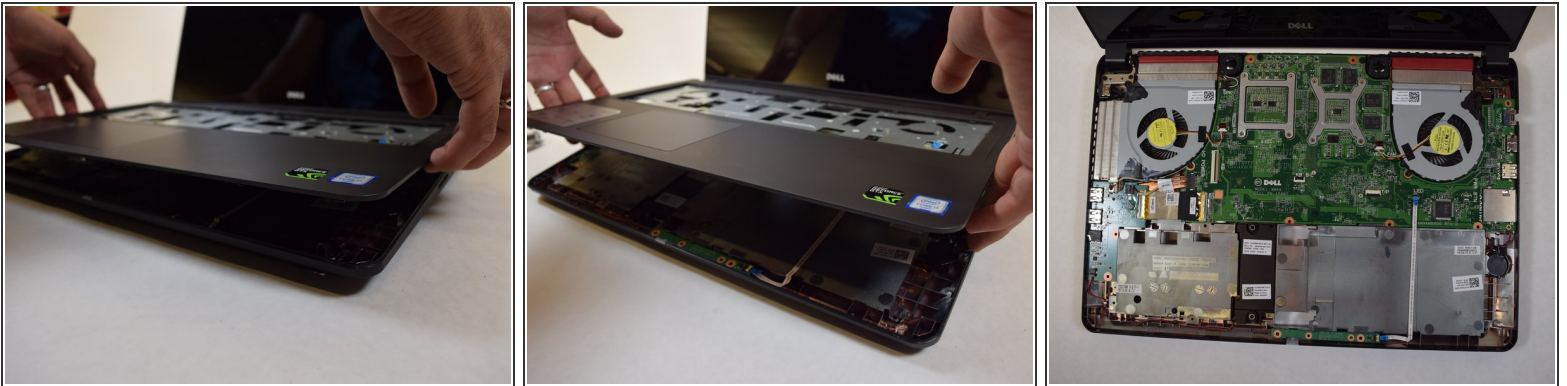- Unscrew the 2 x 2.5mm x 5mm screws, using the Philips #1 screwdriver.

This document was generated on 2022-01-31 06:19:12 PM (MST).

© iFixit — CC BY-NC-SA

www.iFixit.com

Page 13 of 18

Step 23

- Using the metal spudger pry open the edges of the top panel of the laptop.

  - (i) You will hear a snap as you disconnect the panel tabs, this is normal.

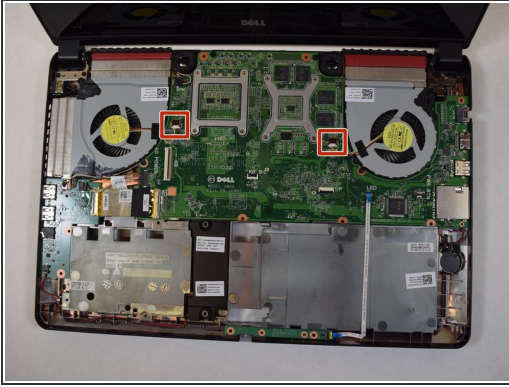 - (i) It is easiest to start at a corner, and work your way around.

Step 24

- Now raise the top panel off of the laptop.

  - ⚠ If you feel any resistance as you lift the panel, stop and make sure that you have completed all previous steps.
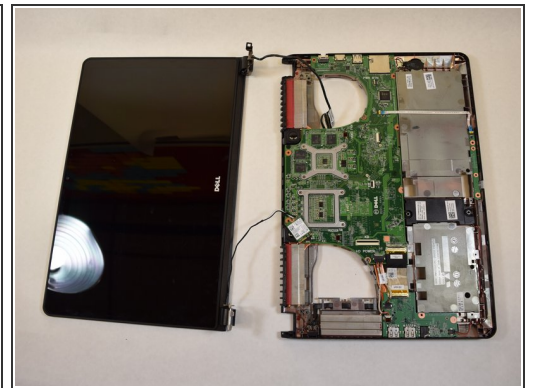
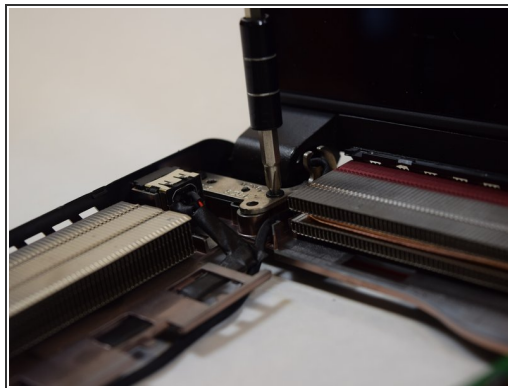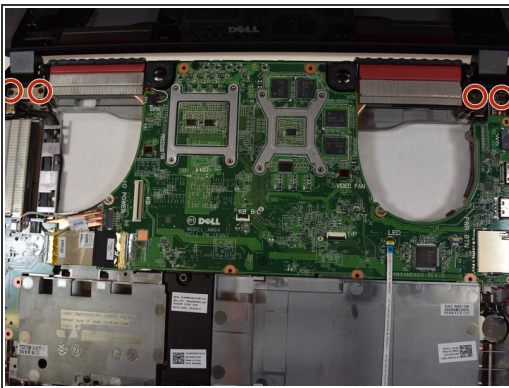This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 25
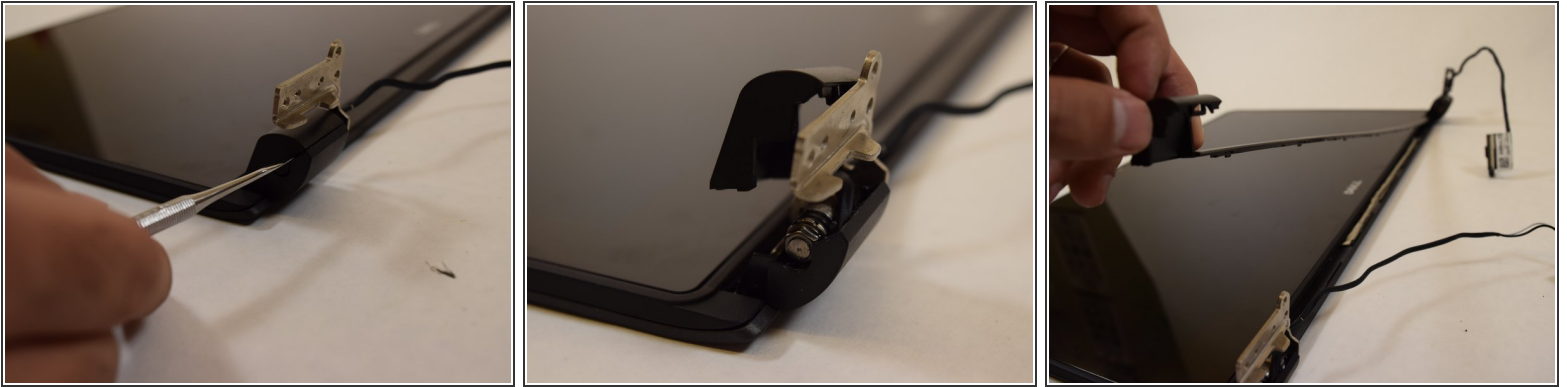

- Locate the fan connections on both the left and right side of the laptop.

- Using your hand grab the white portion and pull it away from the port.

  ⚠ Do not pull on the cables directly. This would risk damaging them or tearing them from the device.

- Once the fans are disconnected lift and remove them from the laptop.
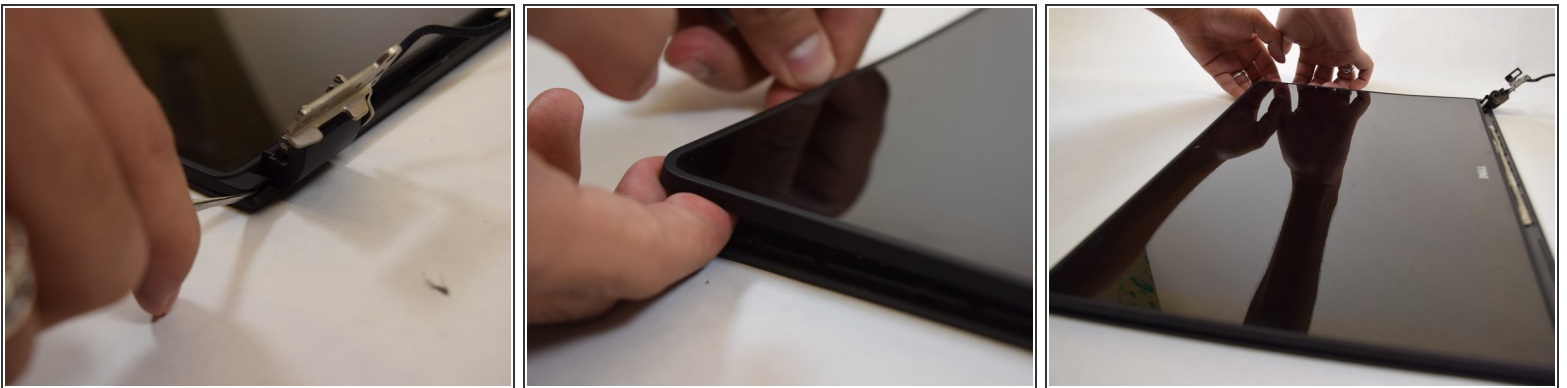
Step 26

- Locate the 4 hinge screws at the top of the laptop.

- Unscrew the 4 x 2mm x 5mm screws, using the Philips #1 screwdriver.

- Remove the screen from the laptop.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 27

- Using the metal spudger disconnect the frame around the hinges.
  - (i) It is easiest to disconnect the frame around one hinge and then use your hand to pull the rest of the frame off. You will hear some snaps as the tabs disconnect, this is normal.
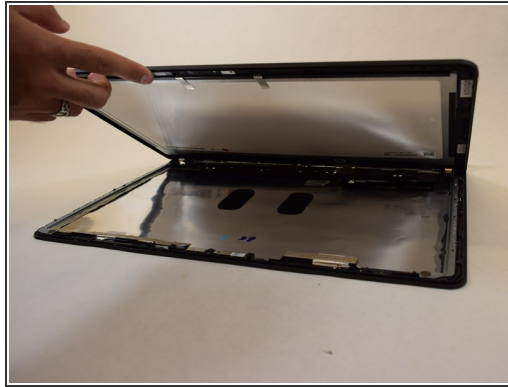
Step 28

⚠ This next step will likely cause some of the tabs, that hold the display, to snap. They will still function and hold the display in place and there should be no noticeable issues once put back together, but the tabs will have permanent damage and repeated disassembly will most likely require replacement.
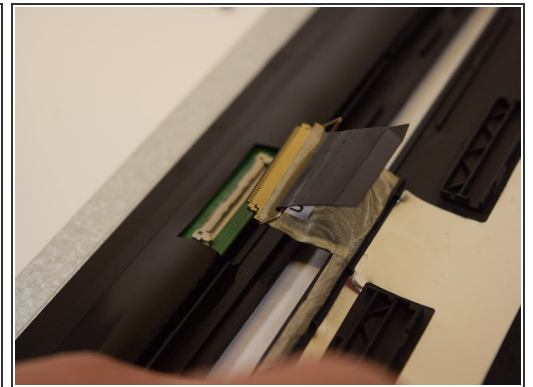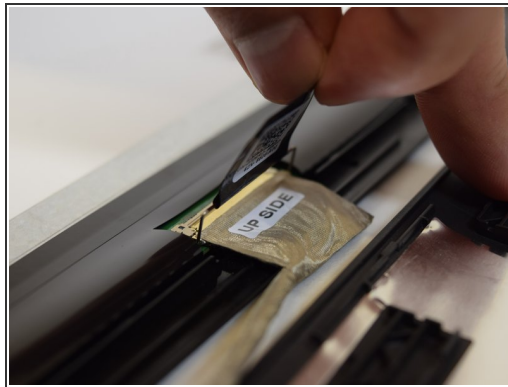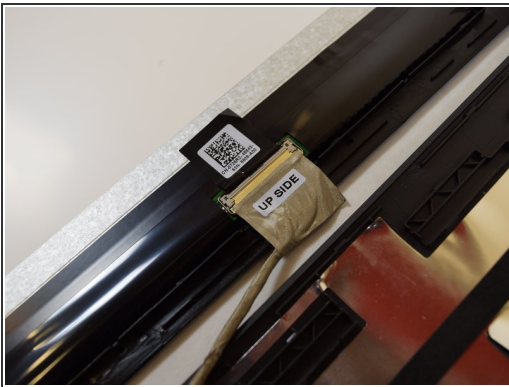
- Using the metal spudger pry open the frame around the display.
  - (i) It is easiest to start at the bottom left hand corner and work your way around. Once you have enough of the frame released you can use your hands to finish the rest.

This document was generated on 2022-01-31 06:19:12 PM (MST).

Step 29

- Lift the screen, rotating along the hinges, so that it will lie open.

Step 30

- Locate the wire that connects the display to the back panel. There will be a sticker with a qr code on it.

- Peel the the sticker and pull it back to disconnect the cables.

Step 31

- The display is now fully disconnected.

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

This document was generated on 2022-01-31 06:19:12 PM (MST).