Dell Alienware 13 Display Assembly Replacement

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INTRODUCTION

In this guide, we will show you how to remove and replace the display assembly.

⚙ TOOLS:

- [Heavy-Duty Spudger](#) (1)
- [Phillips #1 Screwdriver](#) (1)

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Step 1 — Base Panel

⚠ Working on an electrical device while plugged in can cause injury due to electrical shock. Ensure that all external power is disconnected from the device.
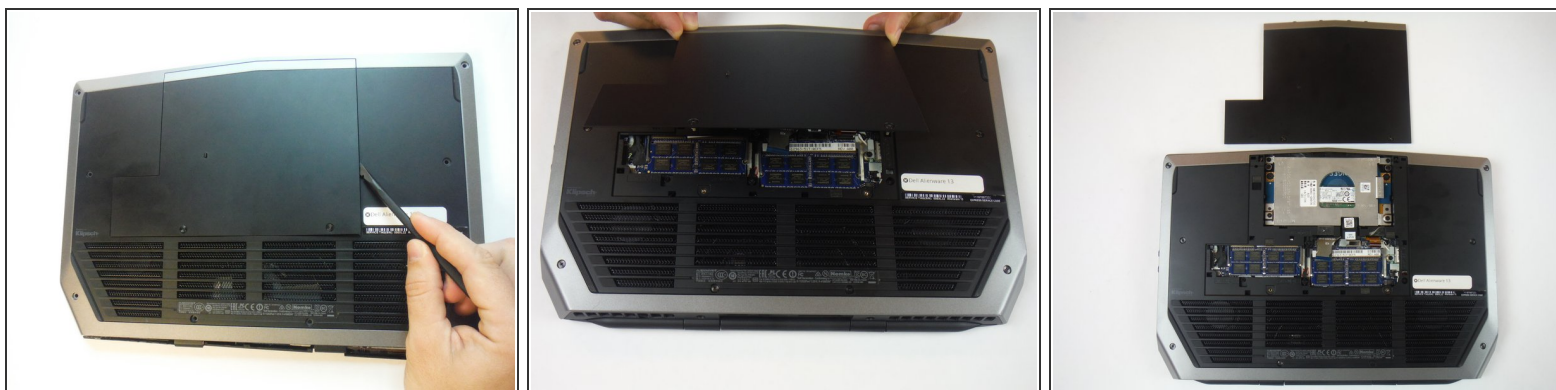
● Close the device and turn the device over.

Step 2

● Remove (2) 5 mm Phillips head screws attaching the small access panel to the base using a Phillips # 1 screwdriver.

ⓘ The (2) screws are attached to the base panel with retaining clips and won't completely detach from the panel.

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Step 3

- Remove the small access panel using a heavy duty spudger.

Step 4 — Caution

⚠ CAUTION: Solid-state drives are fragile. Exercise care when handling the hard drive.

⚠ CAUTION: To avoid data loss, do not remove the solid-state drive while the computer is in sleep or on state.
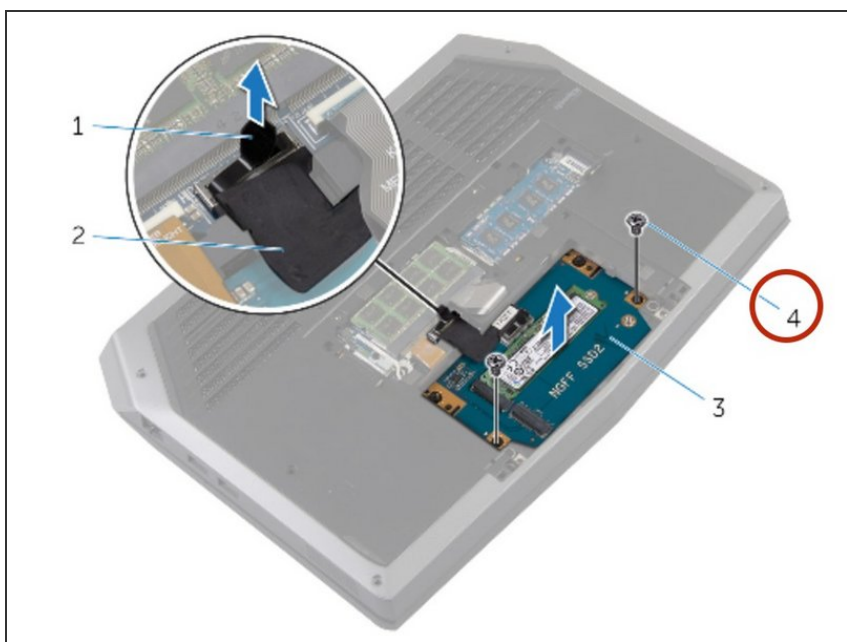
Step 5 — Pull Tab

- Using the pull tab, pivot the solid-state drive bracket and peel off the bracket from the tabs on the computer base.

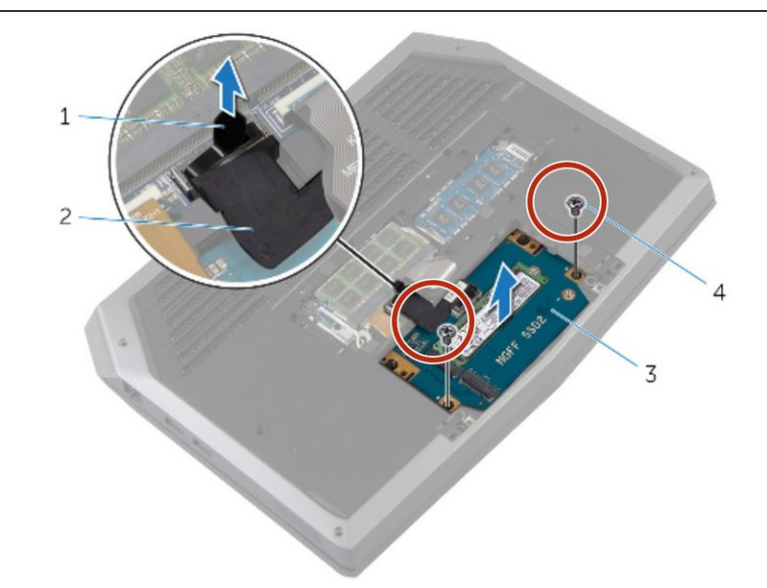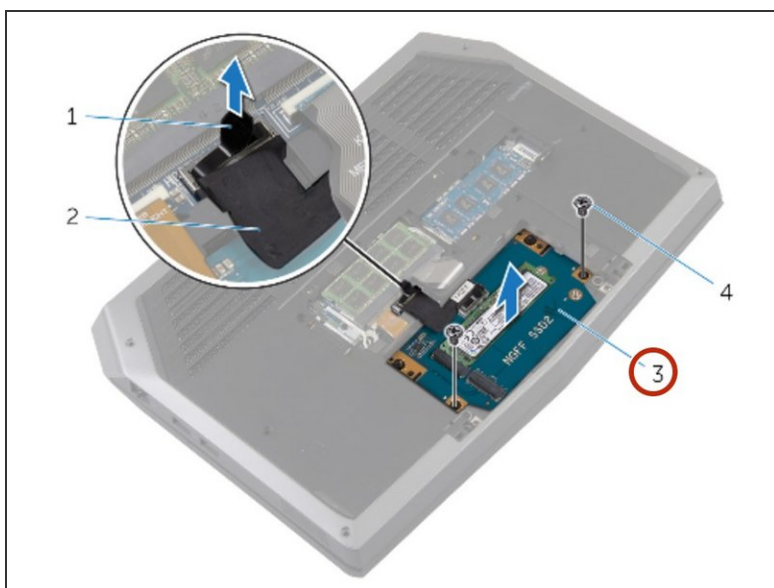## Step 6 — Disconnecting the State Drive

- Using the pull tab, disconnect the solid-state drive cable from the system board.

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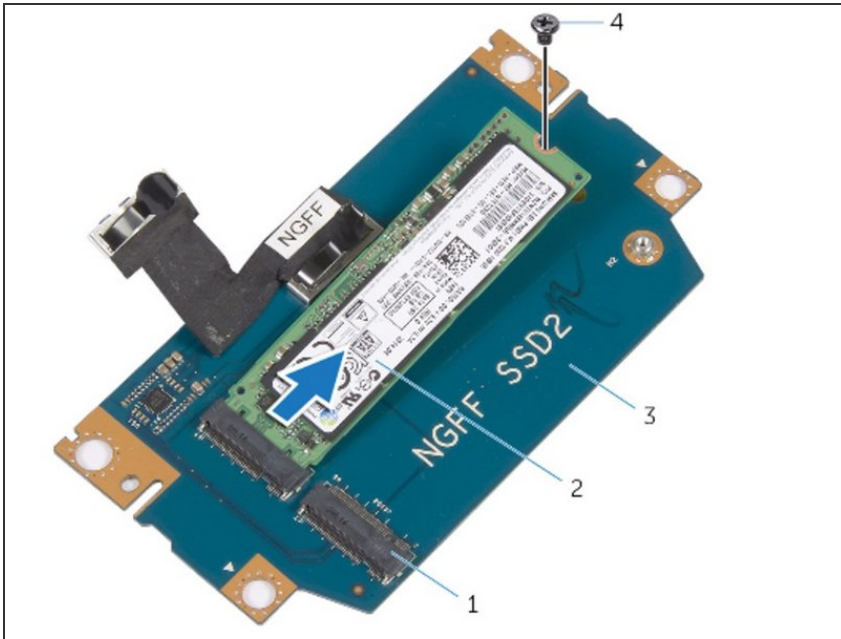
Step 7 — Remove Screws

- Remove the screws that secure the solid-state drive assembly to the computer base.
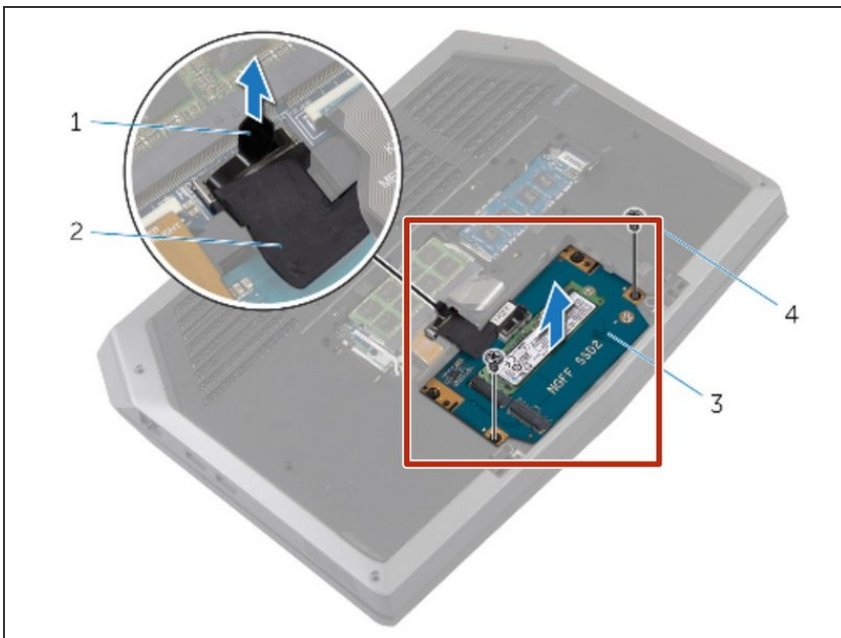
Step 8 — Solid-State Drive Assembly Lift

- Lift the solid-state drive assembly off the computer base.

- Make sure the screws are off the solid-state assembly.

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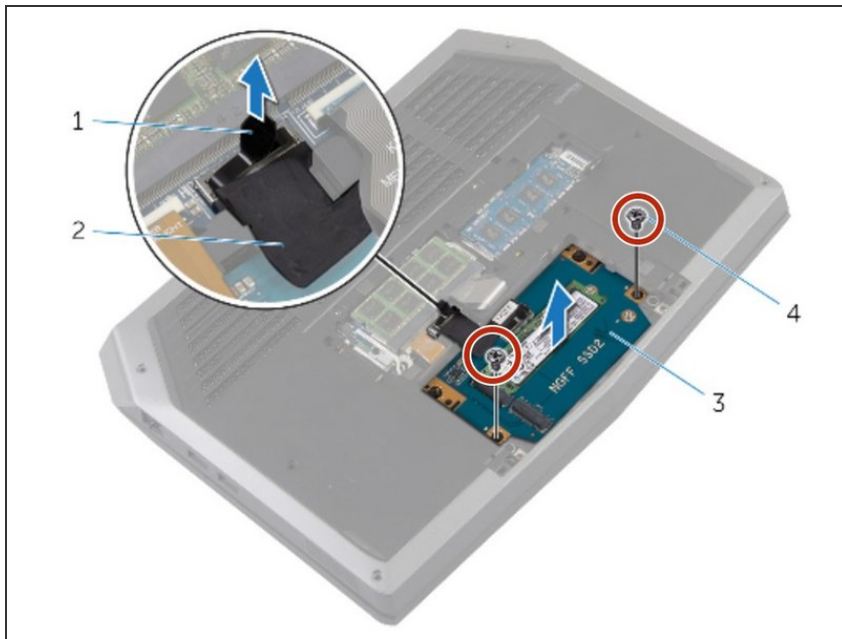
Step 9 — Slide and Lift

- Slide and lift the solid-state drive off the solid-state assembly.
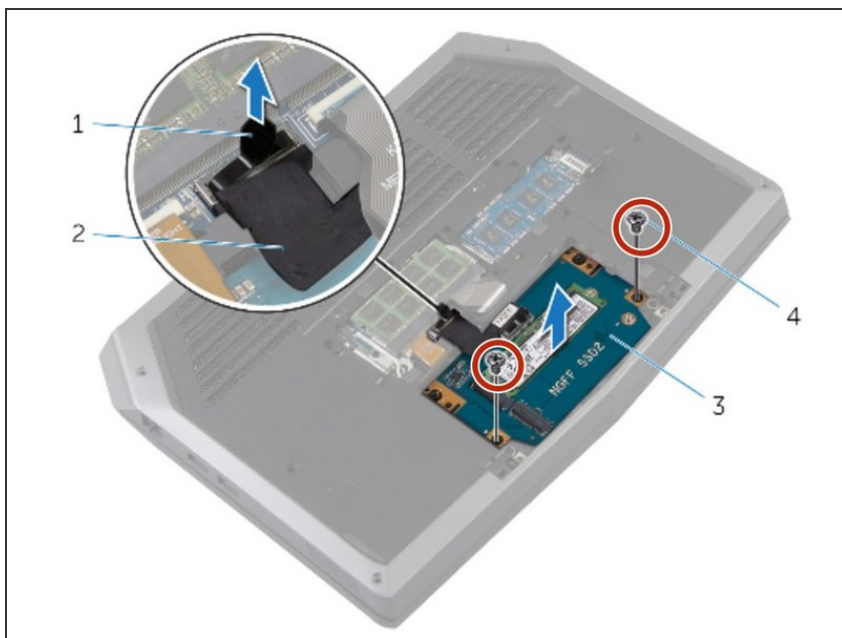
Step 10 — Replacing the Solid-State Drive

⚠ CAUTION: Solid-state drives are fragile. Exercise care when handling the hard drive.

- Slide the new solid-state drive into the solid-state drive assembly.

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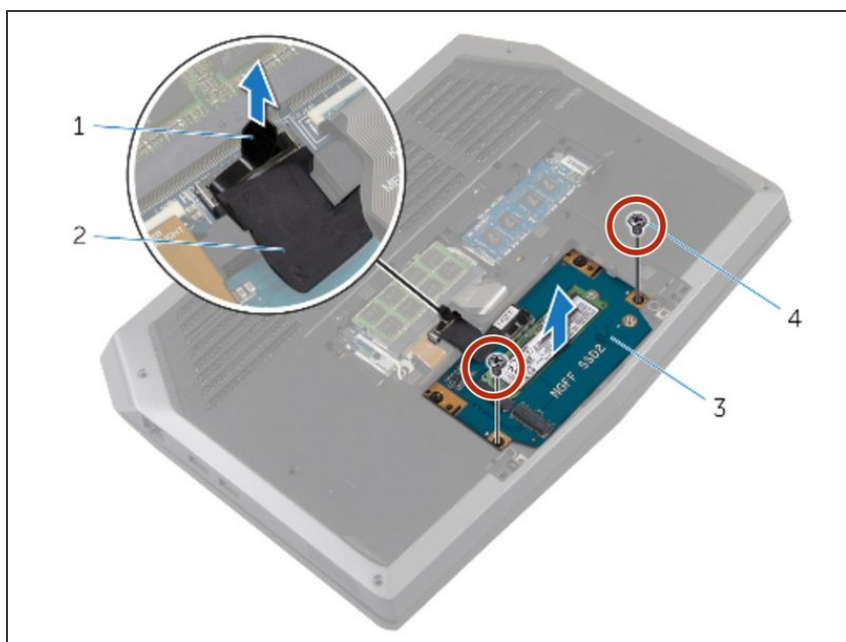
Step 11 — Replace the Screw

- Replace the screw that secures the solid-state drive assembly with the screw holes on the computer base.
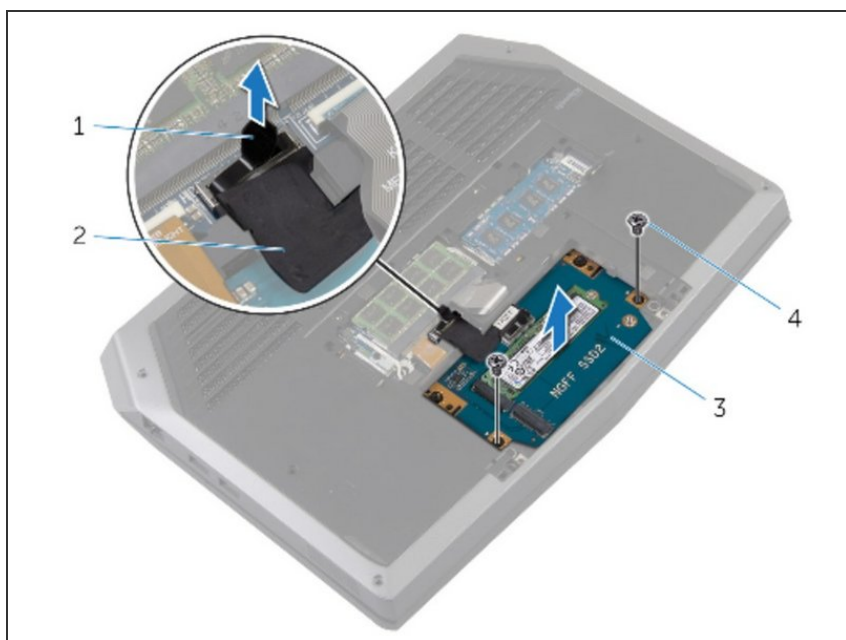
Step 12 — Screw Align

- Align the screw holes on the solid-state drive assembly with the screw holes on the computer base.

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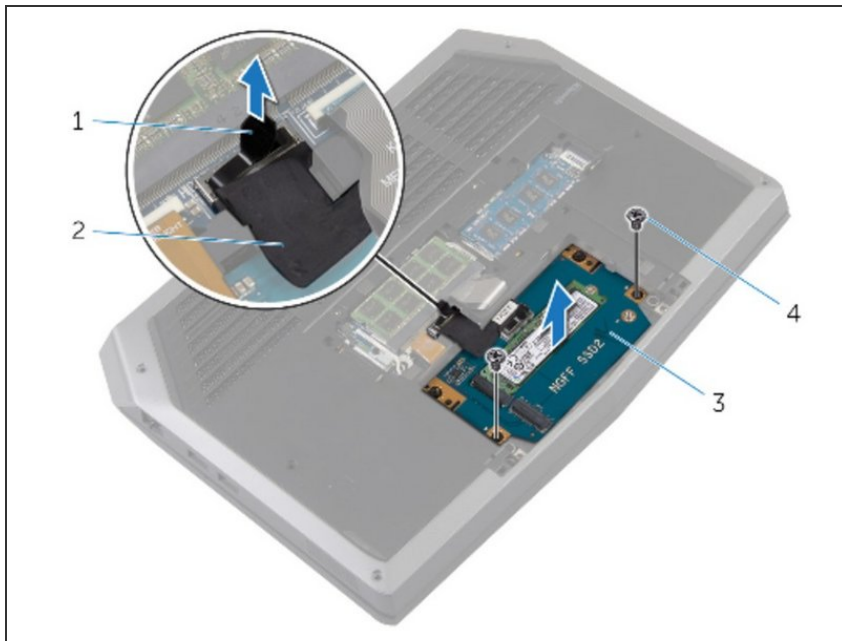## Step 13 — Screw Replacement

● Replace the screws that secure the solid-state drive assembly to the computer base.
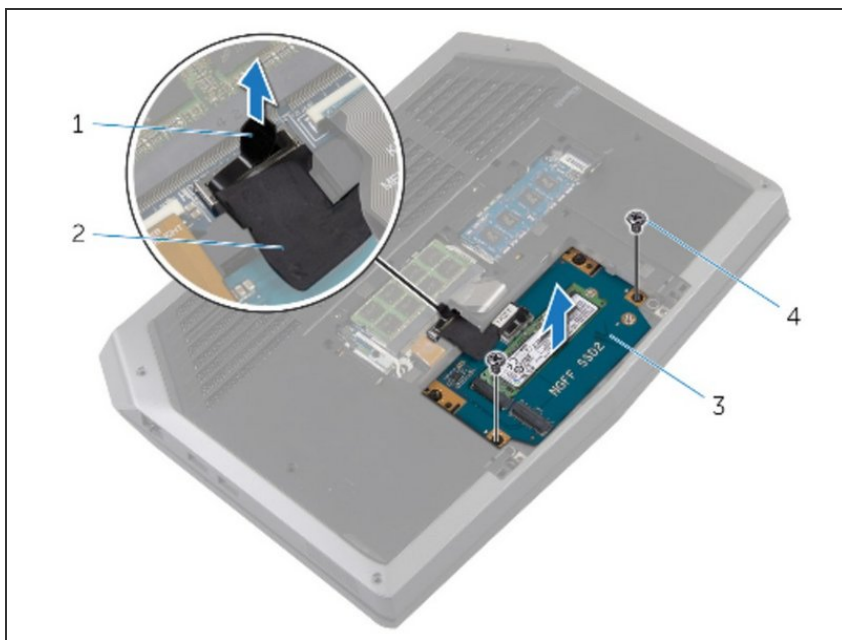
Step 14 — Connecting the Drive

● Connect the solid-state drive cable to the system board.
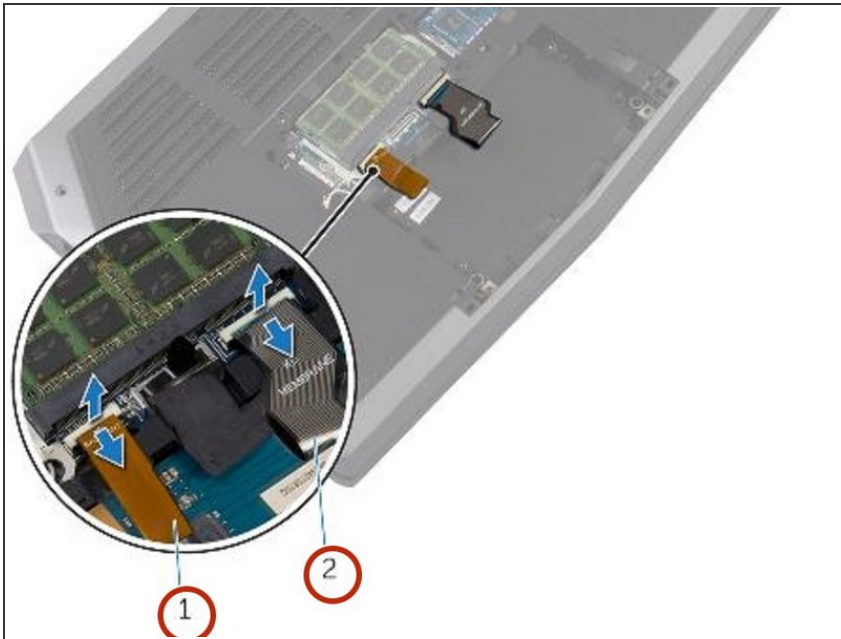
Step 15 — Aligning Screws

- Align the screws on the solid-state drive bracket with the screw holes on the solid-state drive assembly.

Step 16 — Replacing Screws

- Replace the screws that secure the solid-state drive bracket to the solid-state drive assembly.

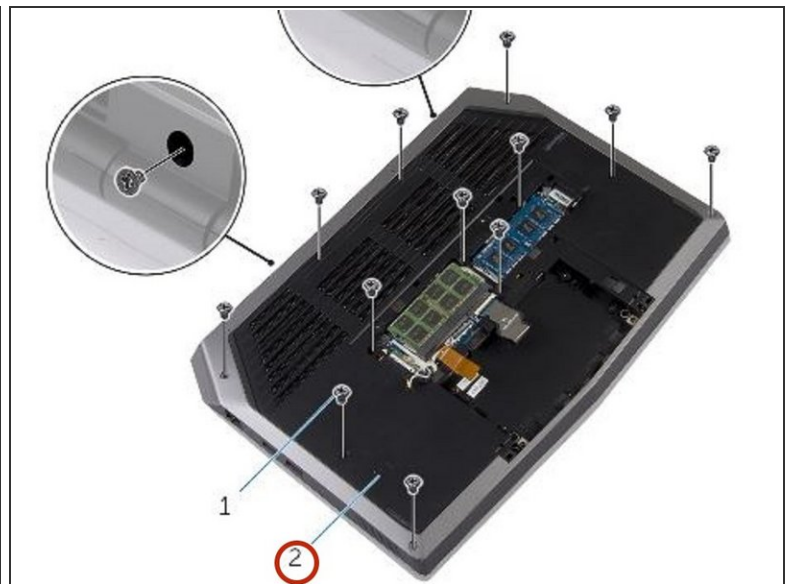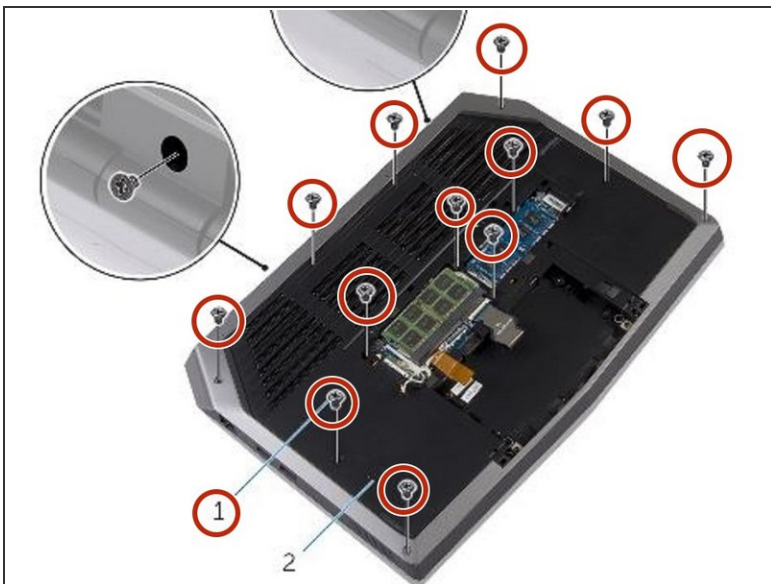This document was generated on 2021-01-31 05:36:18 PM (MST).

Step 17 — Disconnecting the Keyboard

⚠ WARNING: Before working inside your computer, read the safety information that shipped with your computer and follow the steps in [Before Working Inside Your Computer](). After working inside your computer, follow the instructions in [After Working Inside Your Computer]().

● Lift the latches and disconnect the keyboard and keyboard-backlight cables from the system board
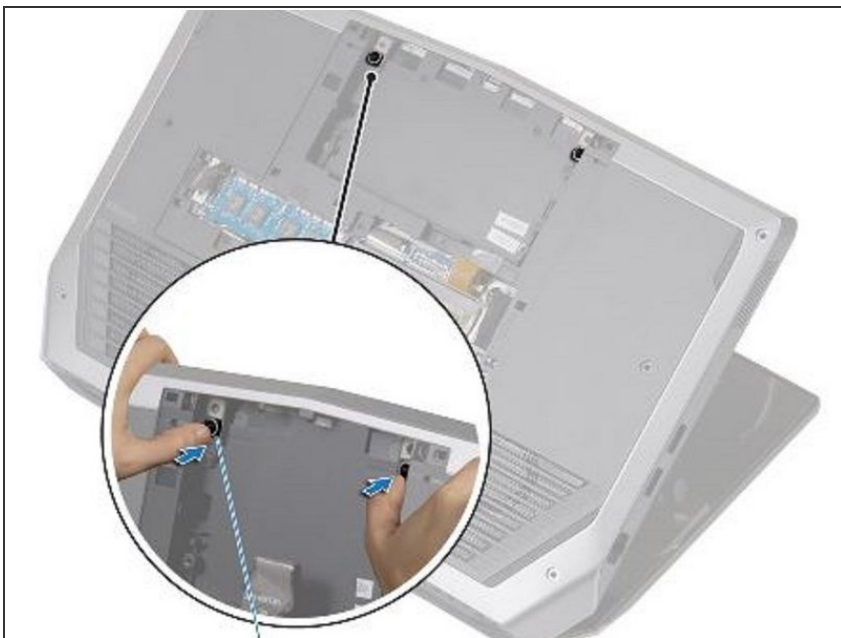
Step 18 — Removing the Screws

● Remove the screws that secure the palm-rest assembly to the computer base.

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Step 19 — Popping out the Palm-Rest Assembly

- Lift the computer base slightly and push the release tabs on the palm-rest assembly until it pops out.

Step 20 — Turn the Computer Over

- Turn the computer over and open the display as far as possible.
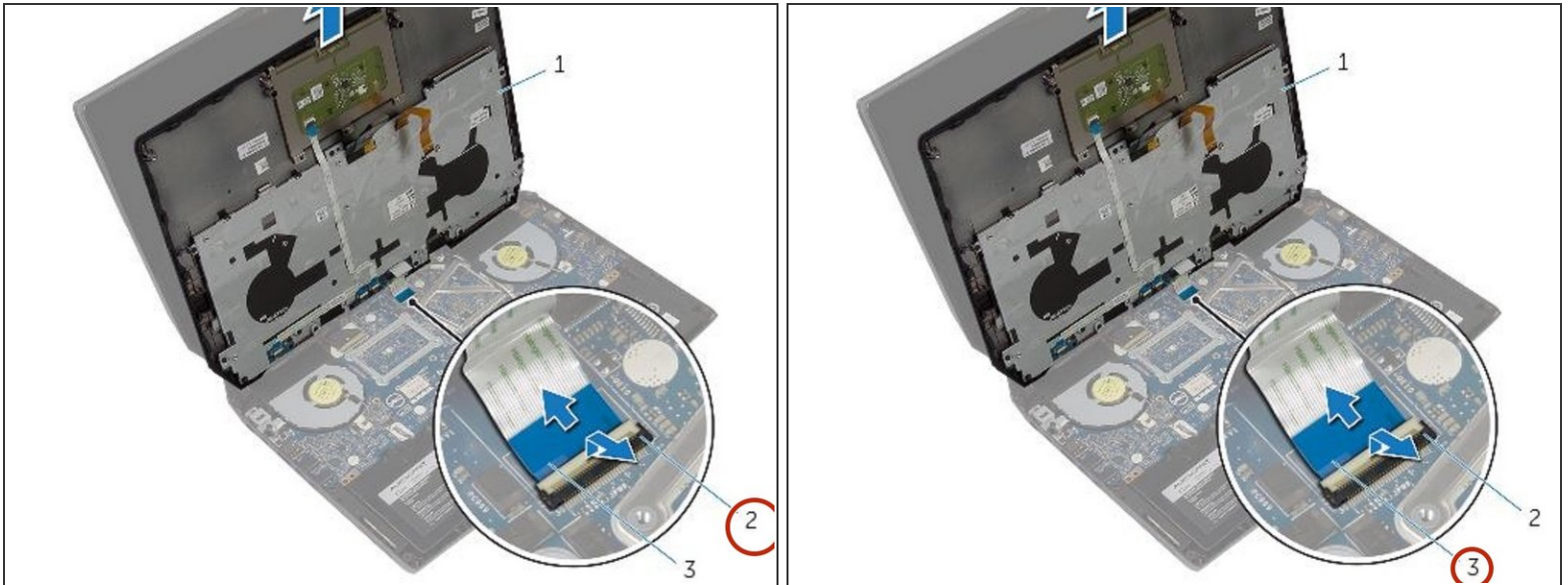
Step 21 — Prying the Edges

- Using a plastic scribe, pry up along the edges of the palm-rest assembly.

Step 22 — Lifting the Palm-Rest Assembly

- Gently lift the palm-rest assembly and turn it over.

Step 23 — Disconnecting the Power-Board Cable

- Lift the connector latch and disconnect the power-button board cable from the system board.
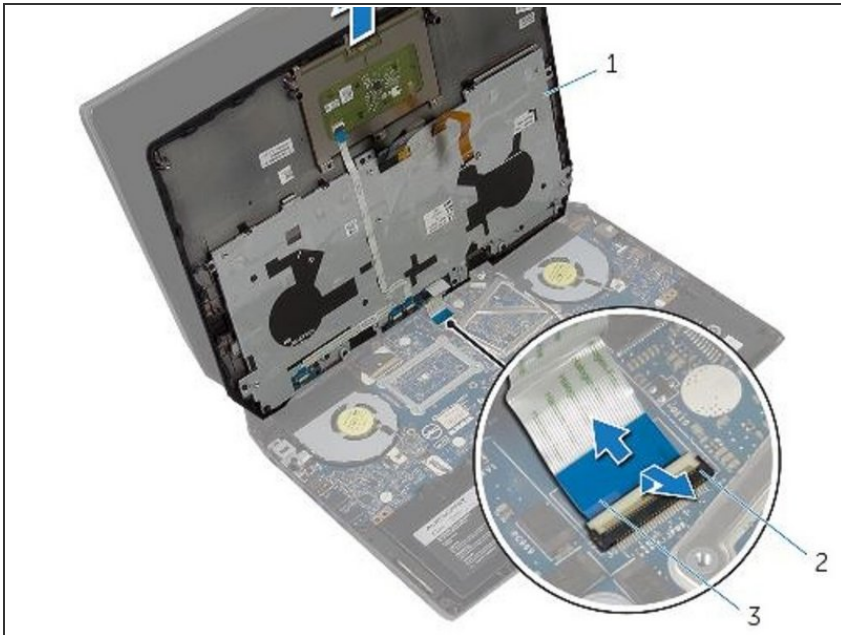
Step 24 — Removing Parts

- Remove the Keyboard.

- Remove the power-button board.

- Remove the status-light board.

- Remove the touchpad.
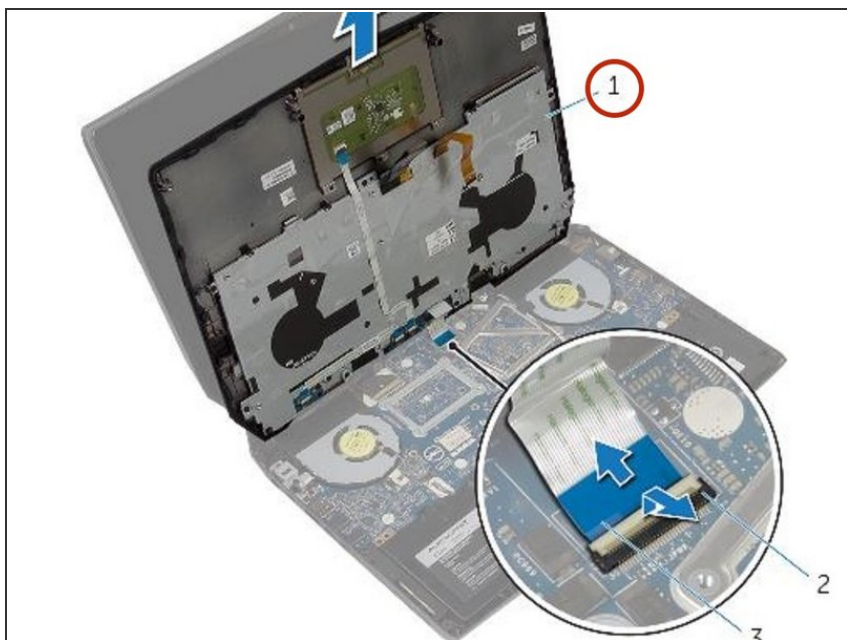
Step 25 — Replacement

- Replace the touchpad.

- Replace the status-light board.

- Replace the power-button board.

- Replace the keyboard.

Step 26 — Connecting the Power-Button Board Cable

- Connect the power-button board cable to the system board.

Step 27 — Aligning the Palm-Rest Assembly.

- Align the palm-rest assembly on the computer base and snap it into place.

Step 28 — Closing the Display and Turning Over the PC

- Close the display and turn the computer over.
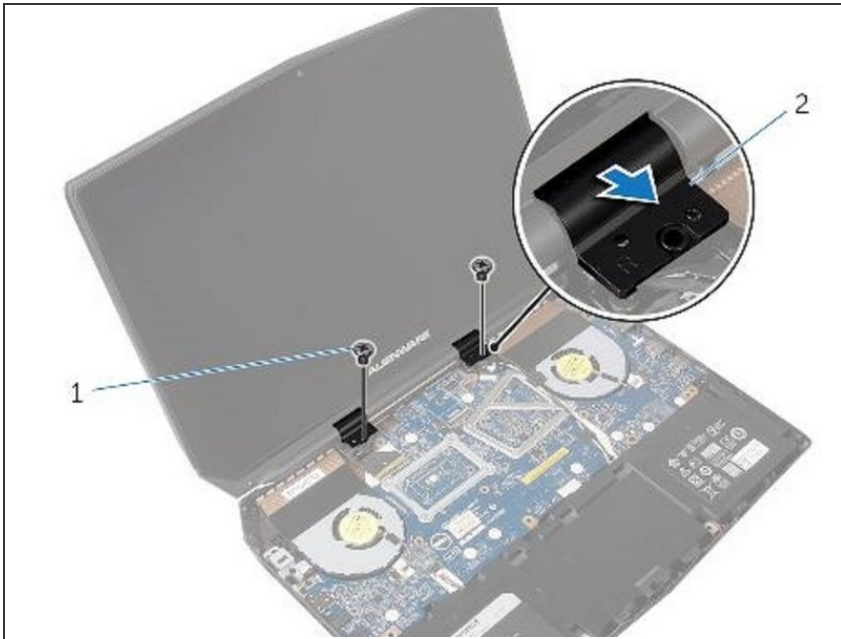
Step 29 — Replacing Screws

- Replace the screws that secure the palm-rest assembly to the computer base.

Step 30 — Connect the Keyboard Cable

- Connect the keyboard cable and the keyboard-backlight cable to the system board.
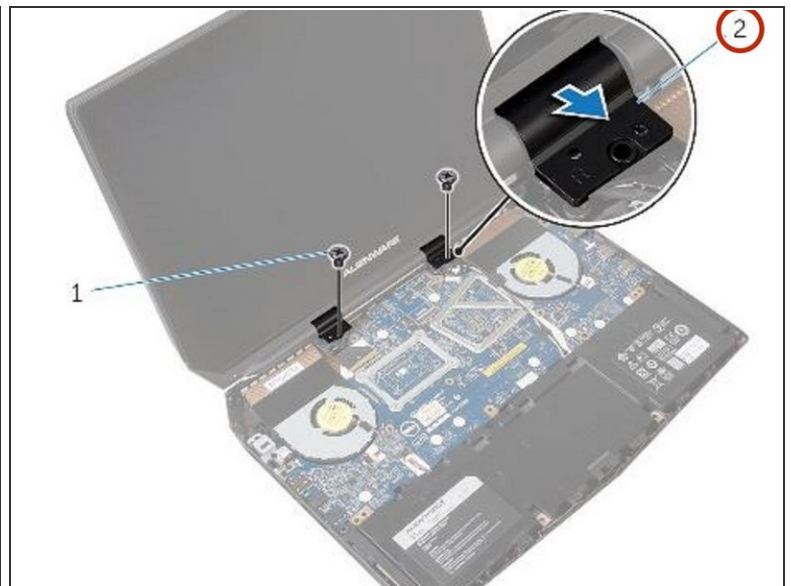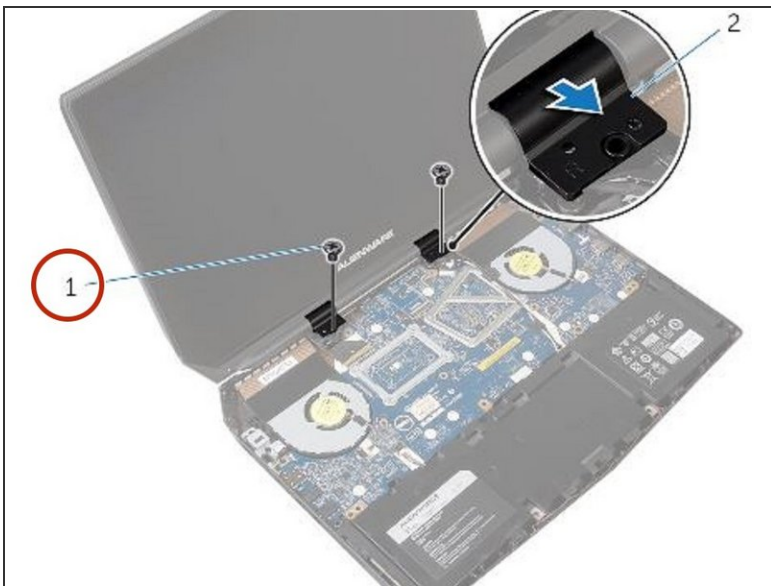
Step 31 — Open the Display

⚠ WARNING: Before working inside your computer, read the safety information that shipped with your computer and follow the steps in [Before Working Inside Your Computer](#). After working inside your computer, follow the instructions in [After Working Inside Your Computer](#).

● Open the display as far as possible.
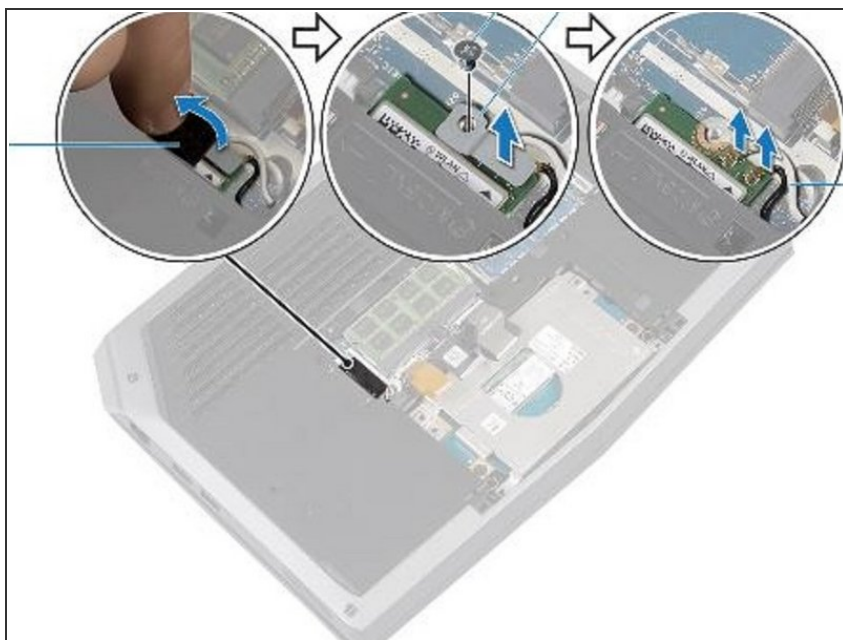
Step 32 — Removing the Screws

● Remove the screws that secure the hinge caps to the display hinges.
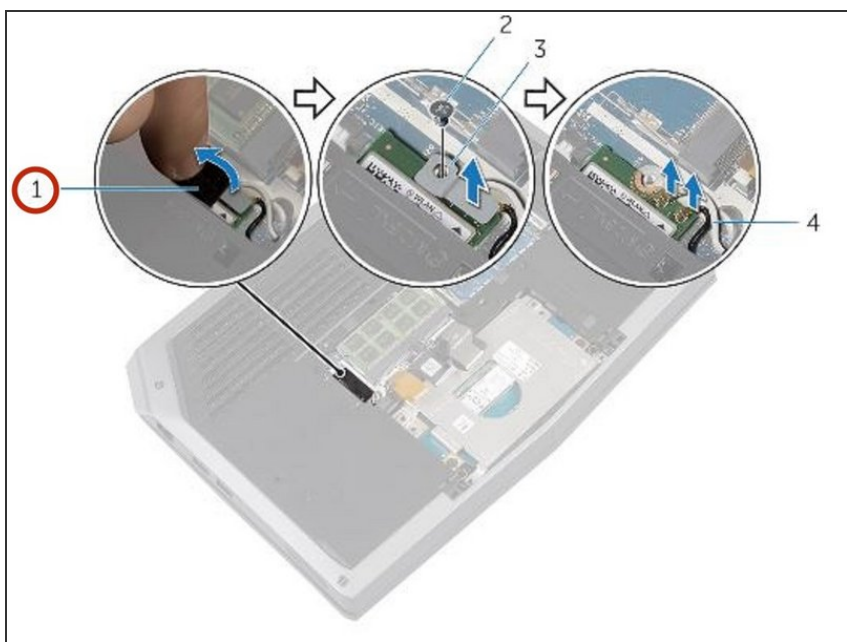
Step 33 — Lift the Hinge Caps

- Slide and lift the hinge caps off the display hinges.

Step 34 — Close the Display

- Close the display and turn the computer over.

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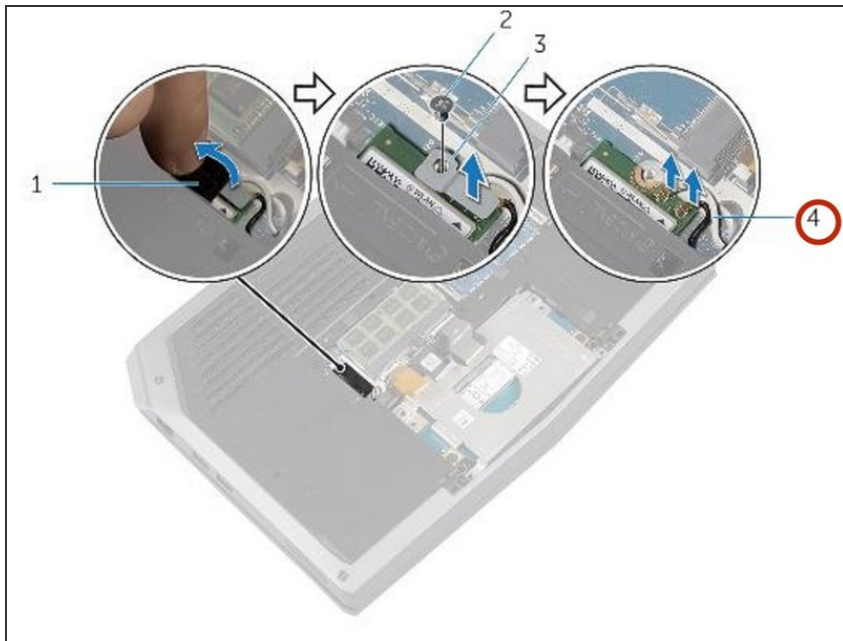
Step 35 — Peeling the Adhesive Tape

- Peel off the adhesive tape from the wireless card.

Step 36 — Remove the Screw

- Remove the screw that secures the wireless-card bracket to the wireless card.

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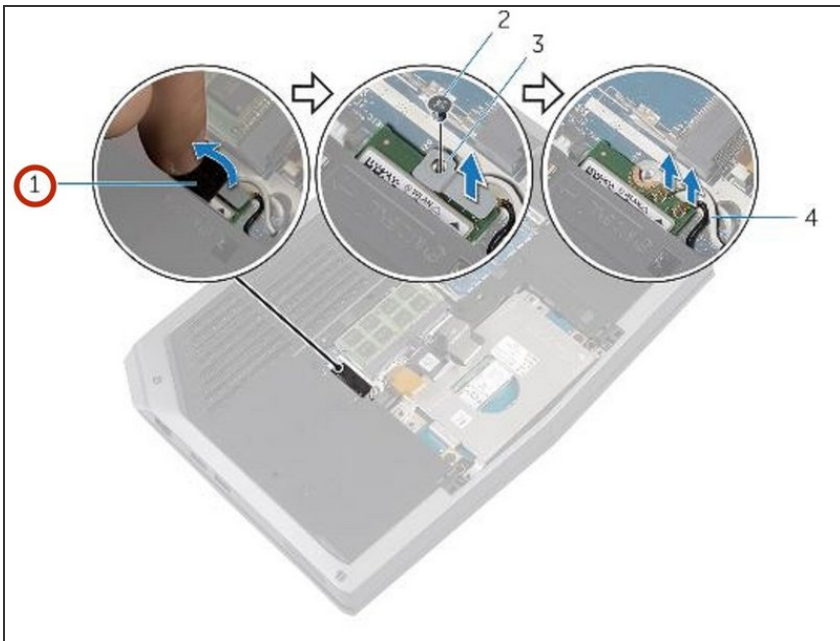## Step 37 — Disconnecting the Antenna Cables

- Disconnect the antenna cables from the wireless card.

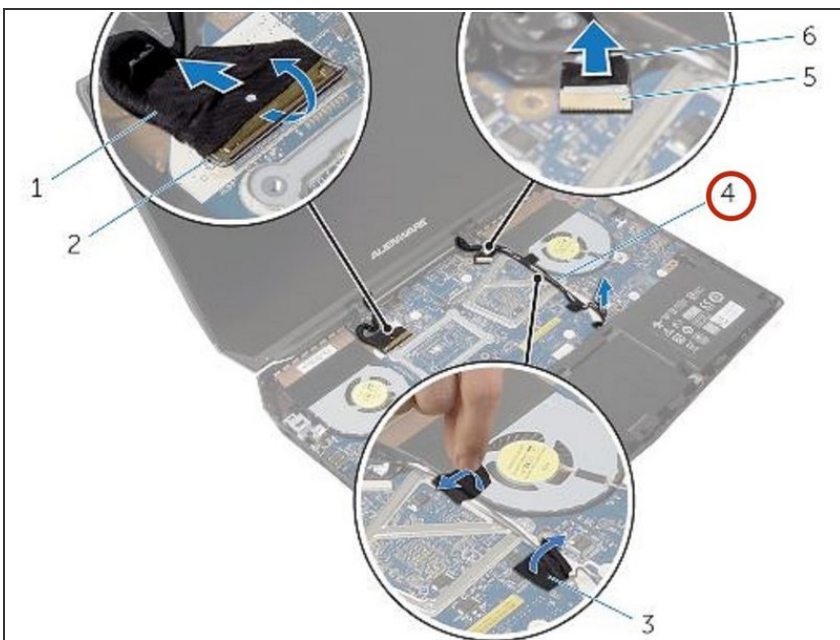## Step 38 — Open the Display

- Turn the computer over and open the display.
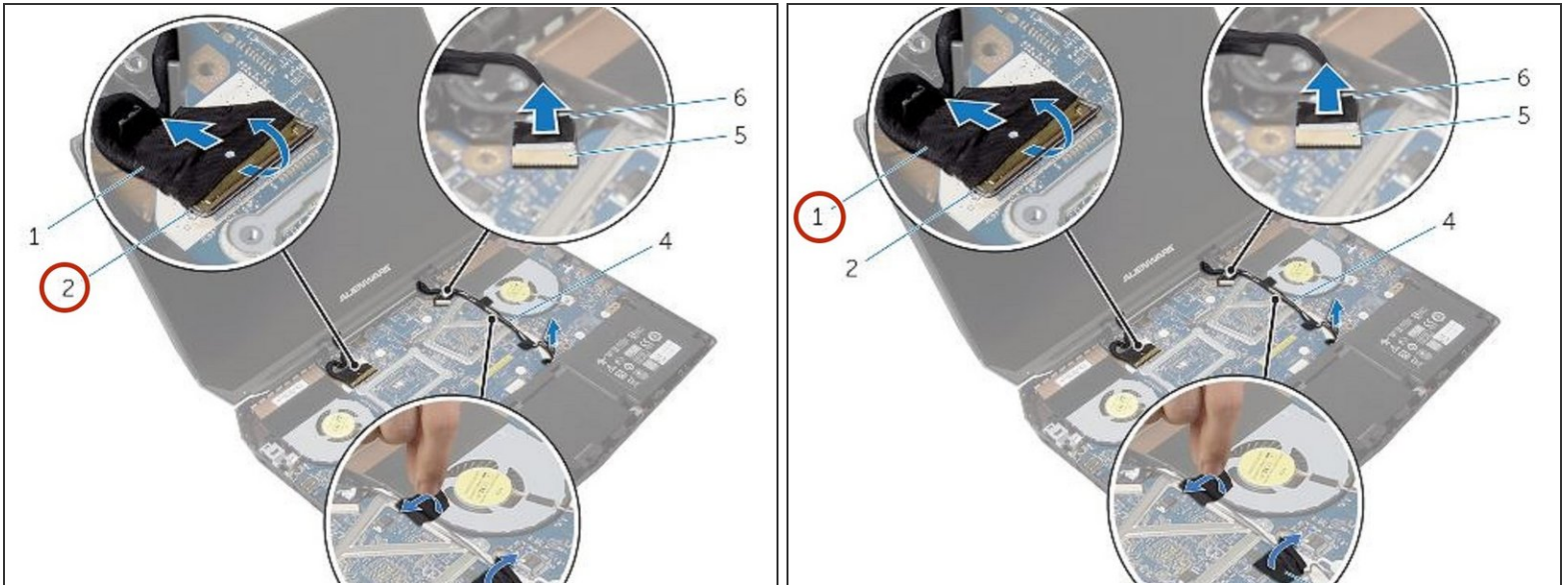
Step 39 — Peeling the Adhesive Tapes

- Peel off the adhesive tapes that secure the antenna cables to the system board.

- (i) Make note of the cable routing before removing any cable from its routing guide.
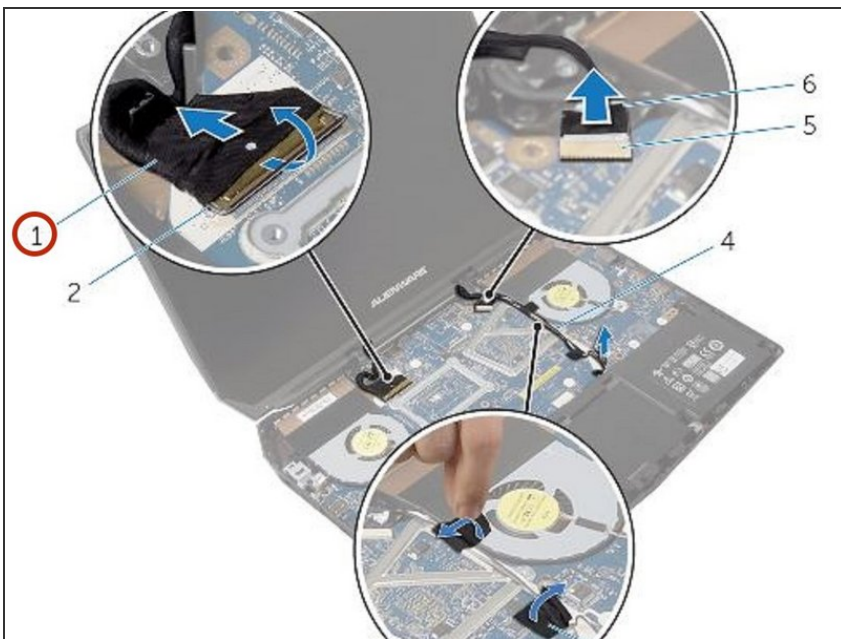
Step 40 — Removing the Antenna Cables

- Remove the antenna cables from the routing guides on the display hinges.

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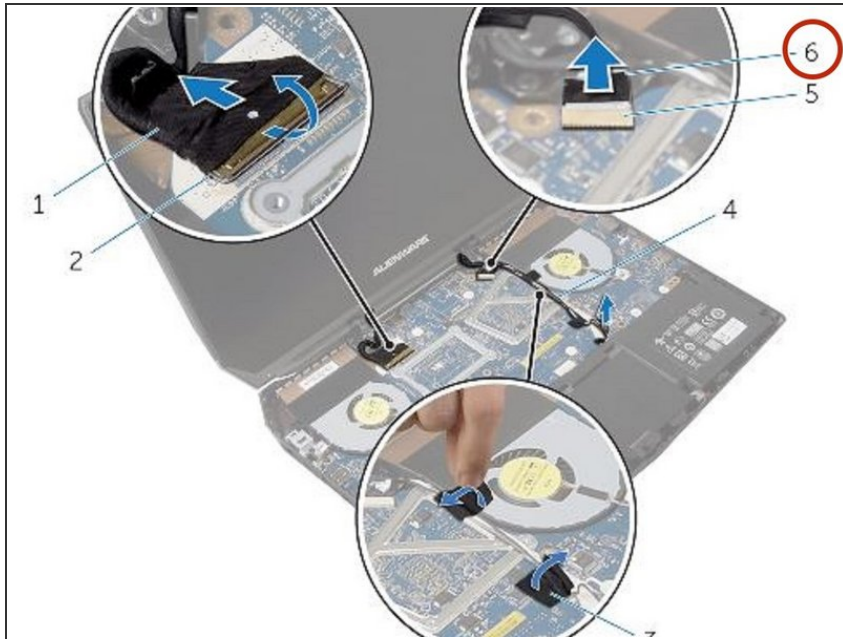## Step 41 — Disconnecting the Display Cable

- Lift the connector latch and disconnect the display cable from the system board.
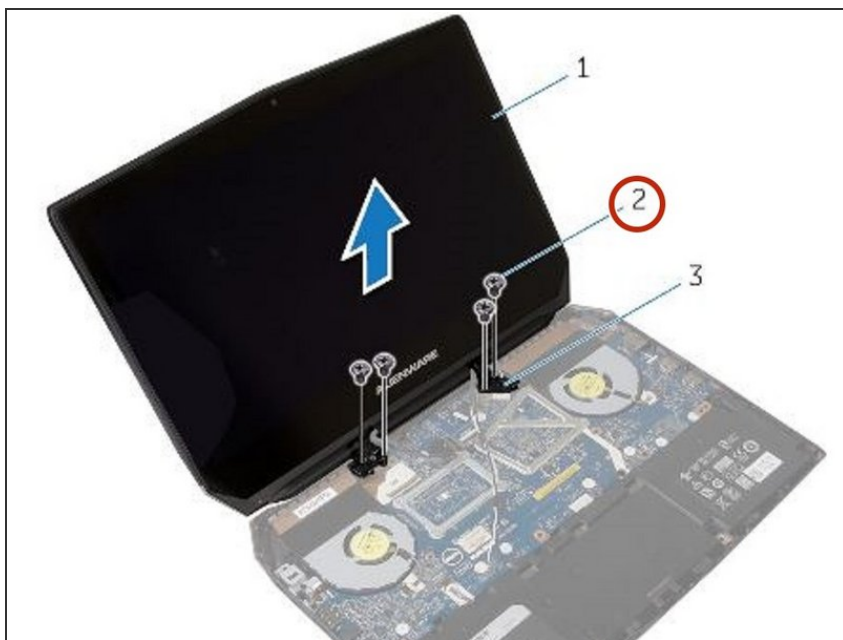
Step 42 — Removing the Display Cable

- Remove the display cable from the routing guides on the display hinges.

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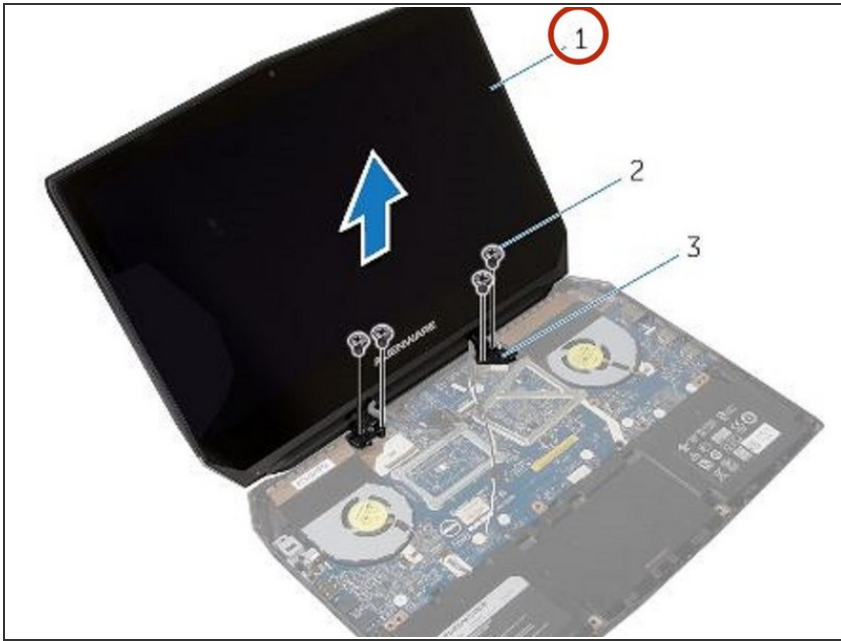## Step 43 — Disconnecting the Logo-Board Cable

- Disconnect the logo-board cable from the system board and remove it from the routing guides on the display hinges.

Step 44 — Removing the Screws

- Remove the screws that secure the display assembly to the computer base.

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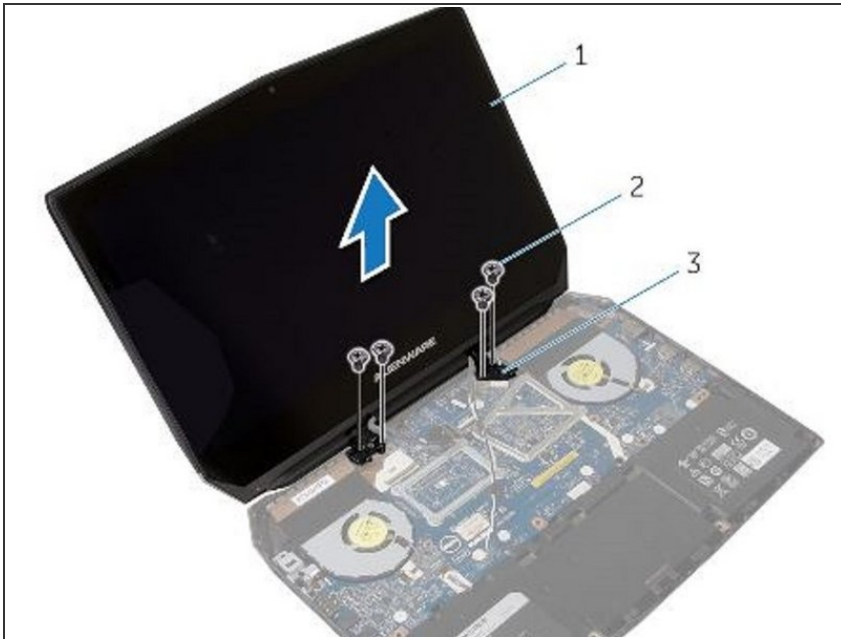
Step 45 — Lifting the Display Assembly

- Lift the display assembly off the computer base.
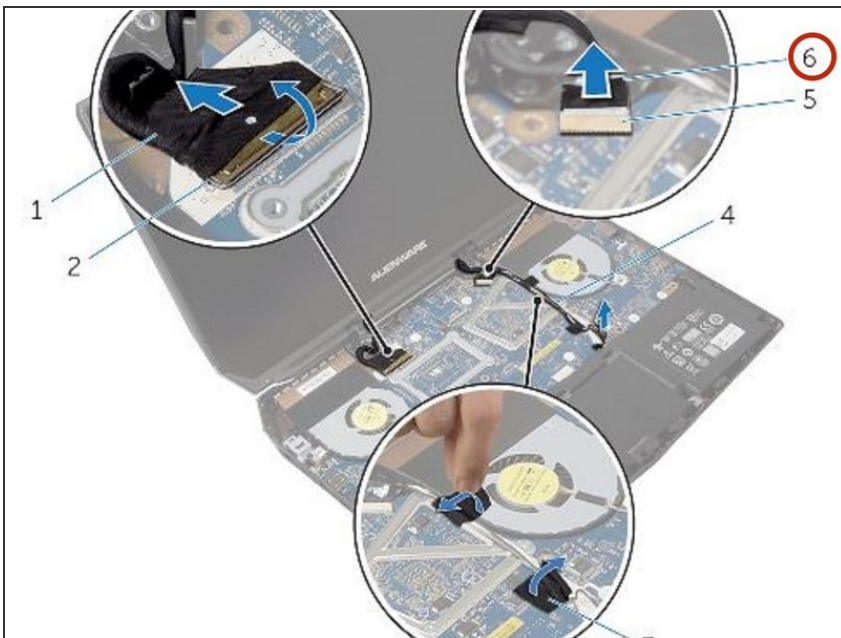
Step 46 — Align the Screw Holes

- Align the screw holes on the display hinges with the screw holes on the computer base.

Step 47 — Replacing the Screws

- Replace the screws that secure the display hinges to the computer base.
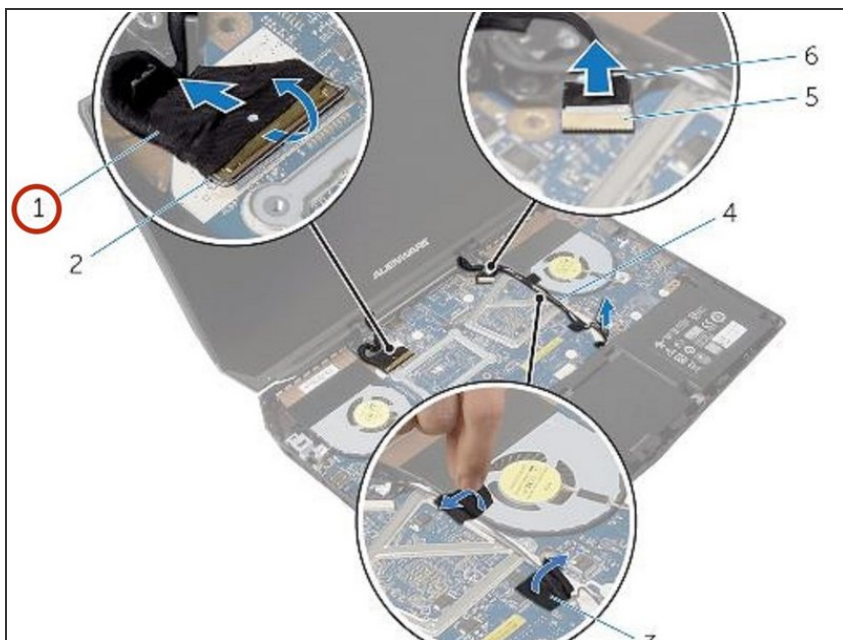
Step 48 — Connecting the Logo-Board Cable

- Route the logo-board cable through the routing guides on the display hinge and connect the logo-board cable to the system board.

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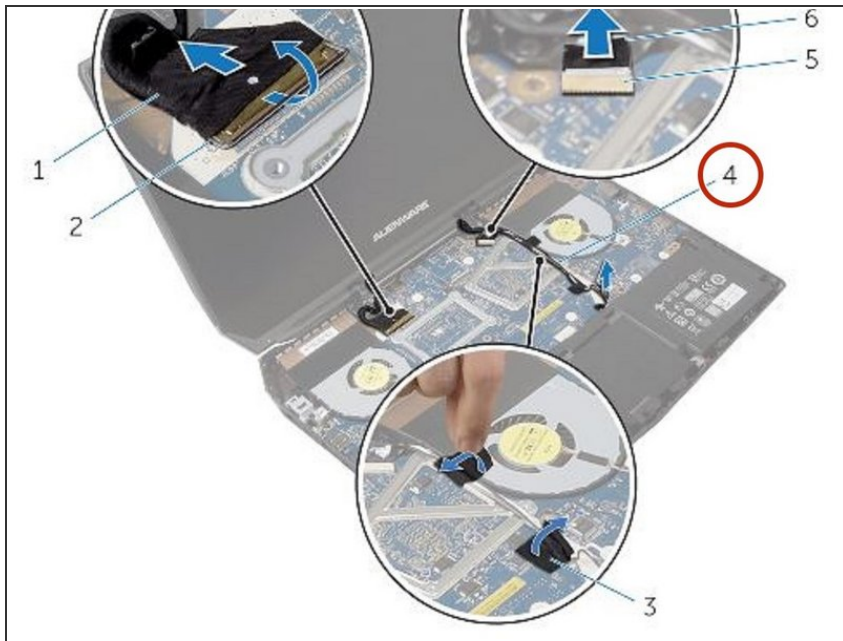
Step 49 — Routing the Display Cable

- Route the display cable through the routing guides on the display hinge.

Step 50 — Sliding the Display Cable

- Slide the display cable into the connector on the system board and press down the latch to secure the cable.

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Step 51 — Route the Antenna Cables

- Route the antenna cables through the routing guides on the display hinges.
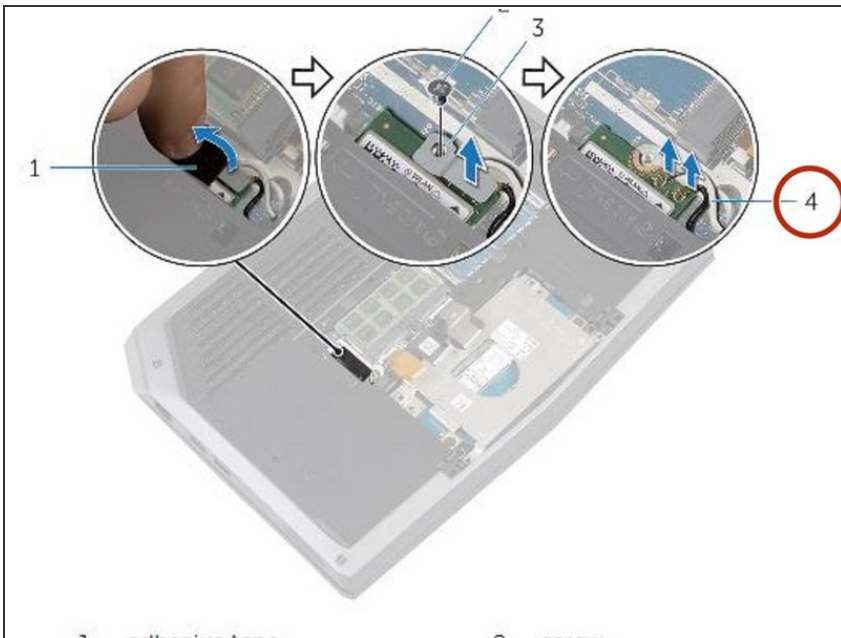
Step 52 — Adhering the Tapes

- Adhere the adhesive tapes that secure the antenna cables to the system board.

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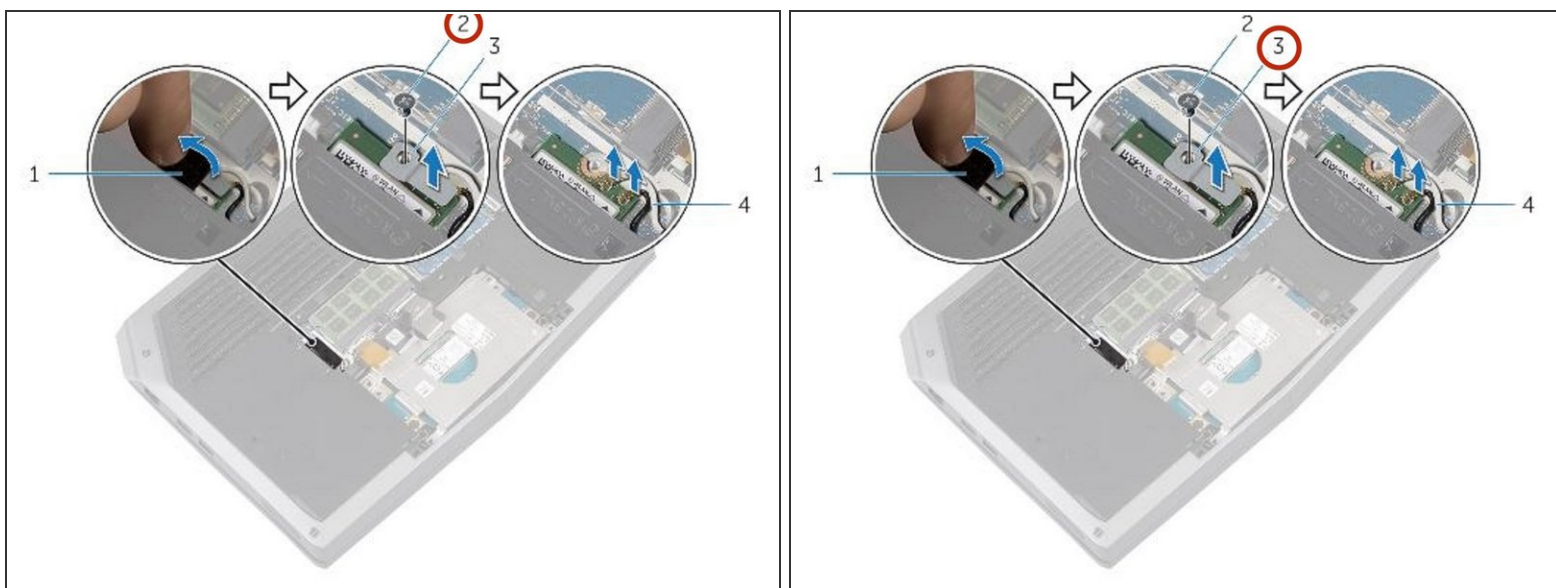
Step 53 — Turn the Computer Over

- Close the display and turn the computer over.

Step 54 — Connecting the Antenna Cables

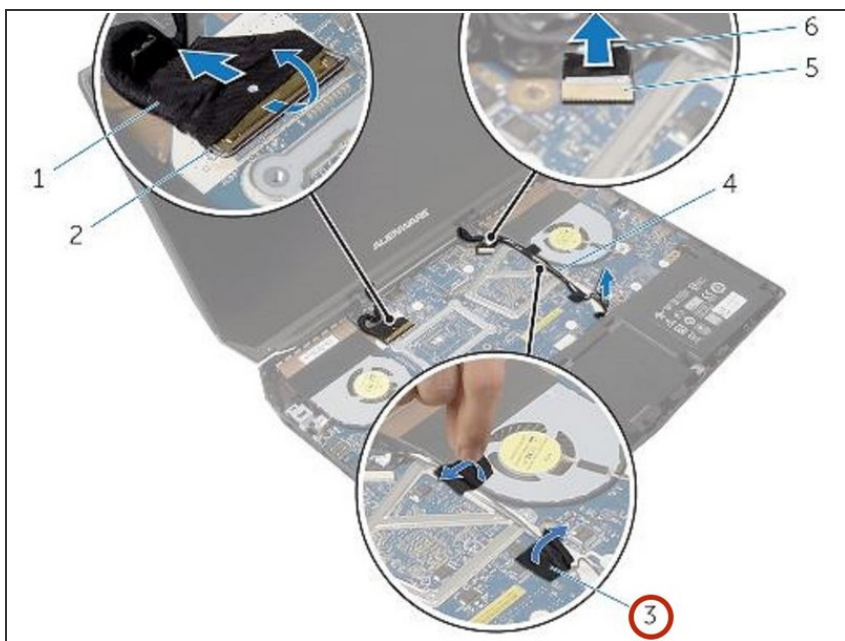- Connect the antenna cables to the wireless card.

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Step 55 — Replace the Screw

- Replace the screw that secures the wireless-card bracket to the wireless card.
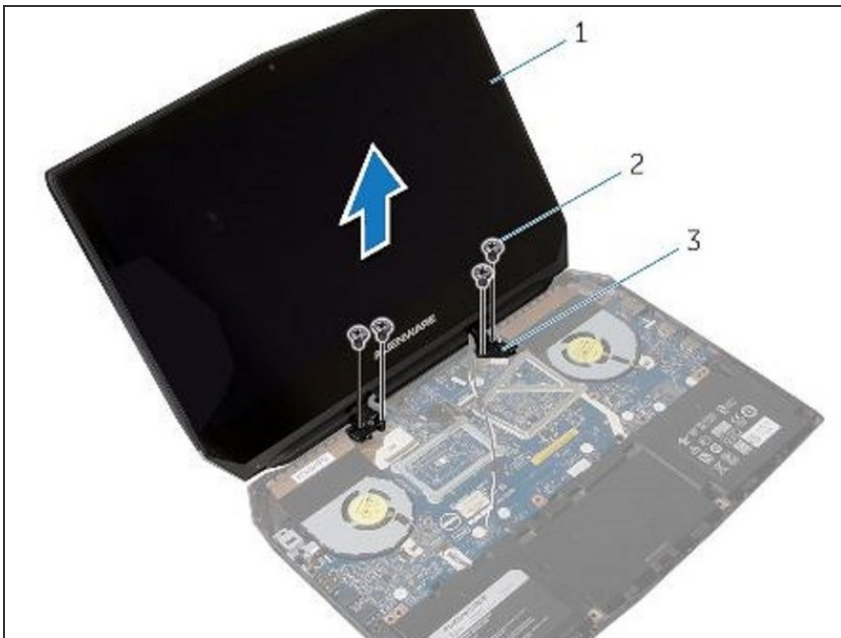
Step 56 — Adhering the Adhesive Tape

- Adhere the adhesive tape to the wireless card.

Step 57 — Open the Display

- Turn the computer over and open the display.

Step 58 — Align the Screw Holes

- Align the screw holes on the hinge caps with the screw holes on the display hinges.

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Step 59 — Replace the Screws

- Replace the screws that secure the hinge caps to the display hinges.

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