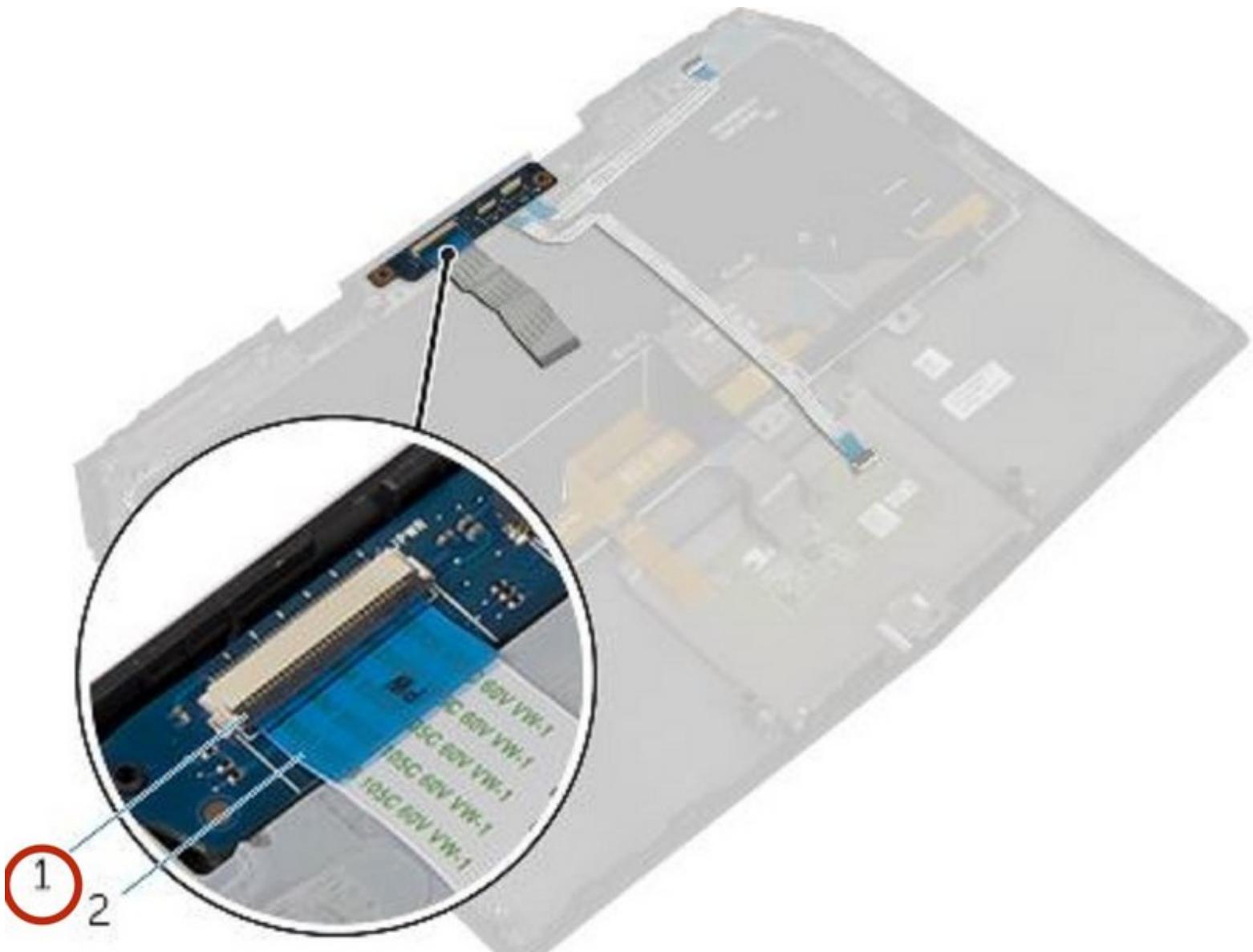




Dell Alienware 13 Power-Button Board Replacement

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Written By: Terrence15



INTRODUCTION

In this guide, we will show you how to remove and replace the Power-Button Board from the Dell Alienware 13.

TOOLS:

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

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

Step 3



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

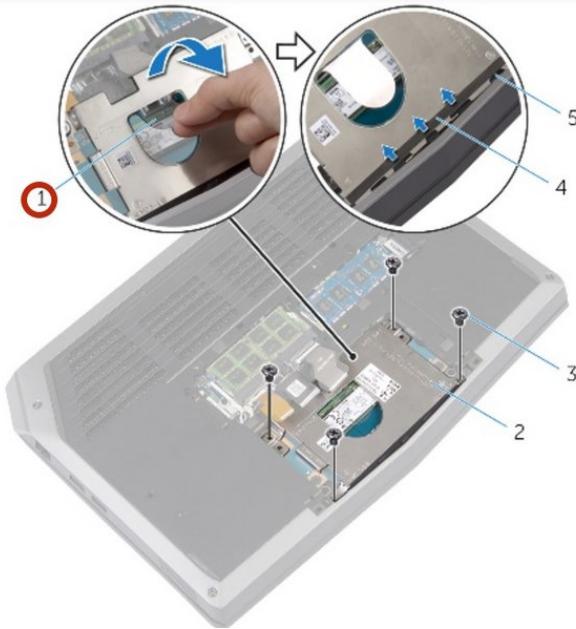
Step 4 — Caution



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

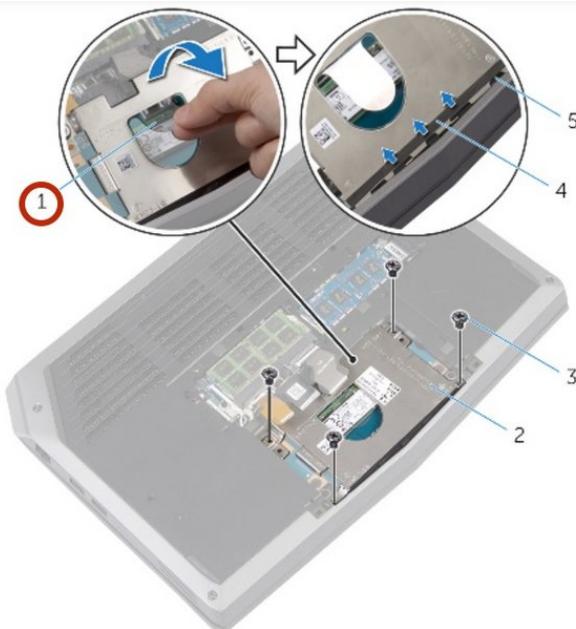
⚠ CAUTION: To avoid data loss, do not remove the solid-state drive while the computer is in sleep or on state.

Step 5 — Pull Tab



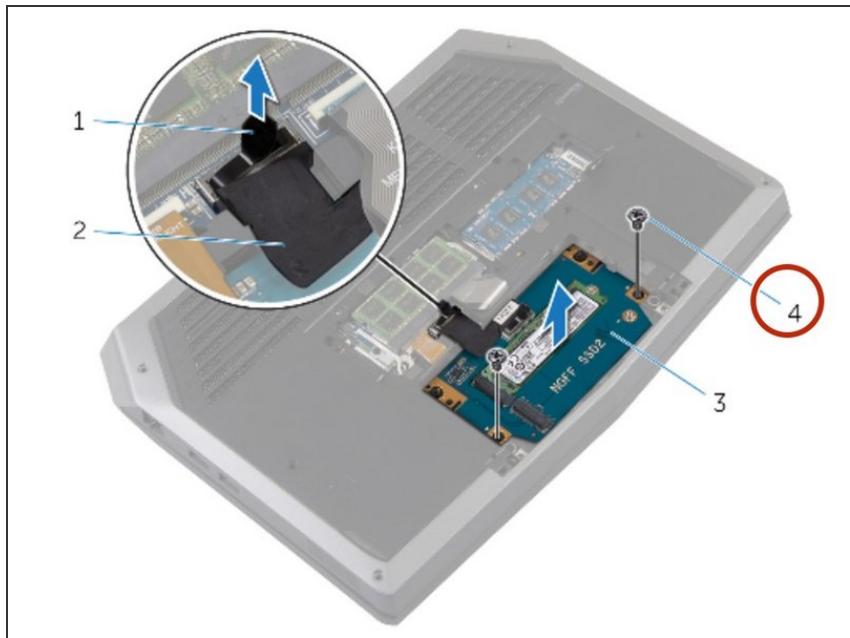
- Using the pull tab, pivot the solid-state drive bracket and peel off the bracket from the tabs on the computer base.

Step 6 — Disconnecting the State Drive



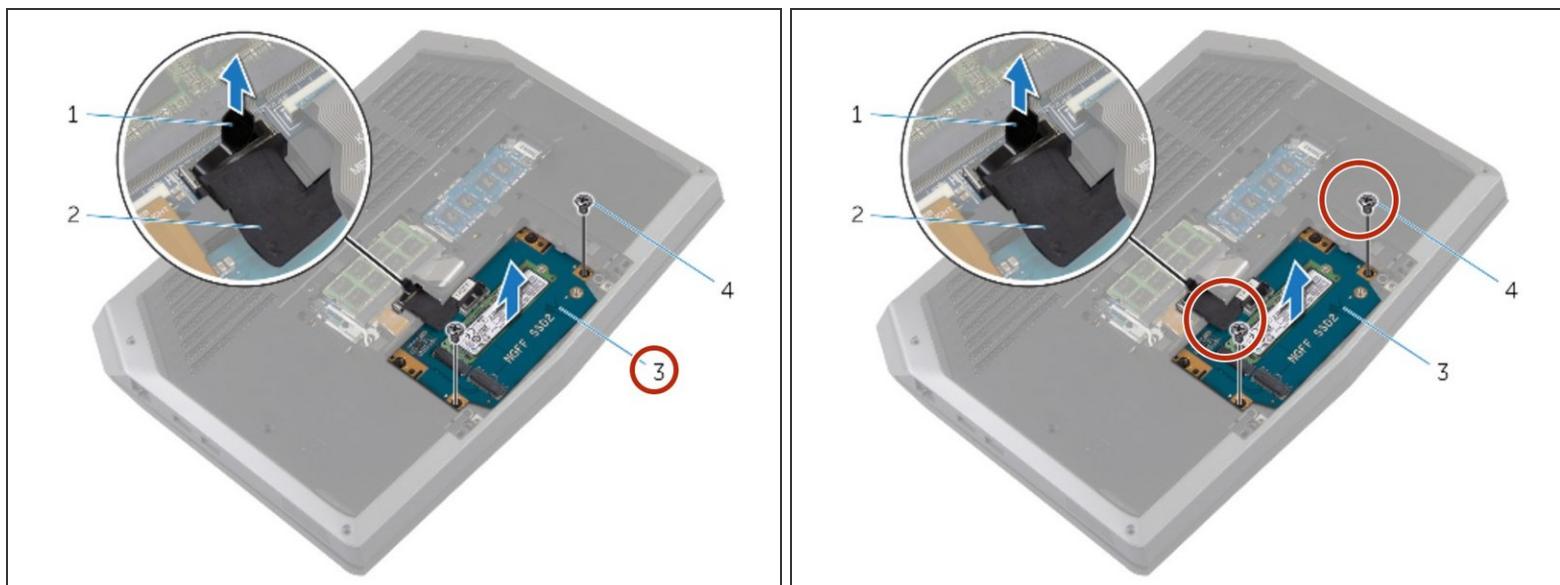
- Using the pull tab, disconnect the solid-state drive cable from the system board.

Step 7 — Remove Screws



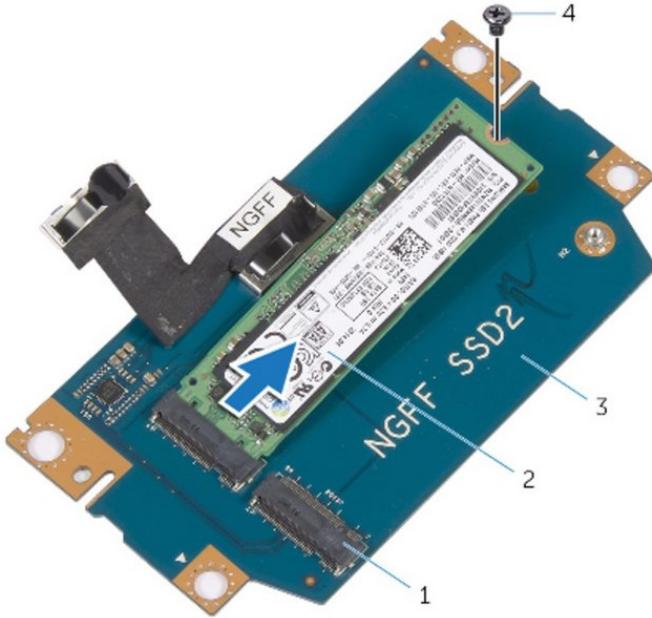
- Remove the screws that secure the solid-state drive assembly to the computer base.

Step 8 — Solid-State Drive Assembly Lift



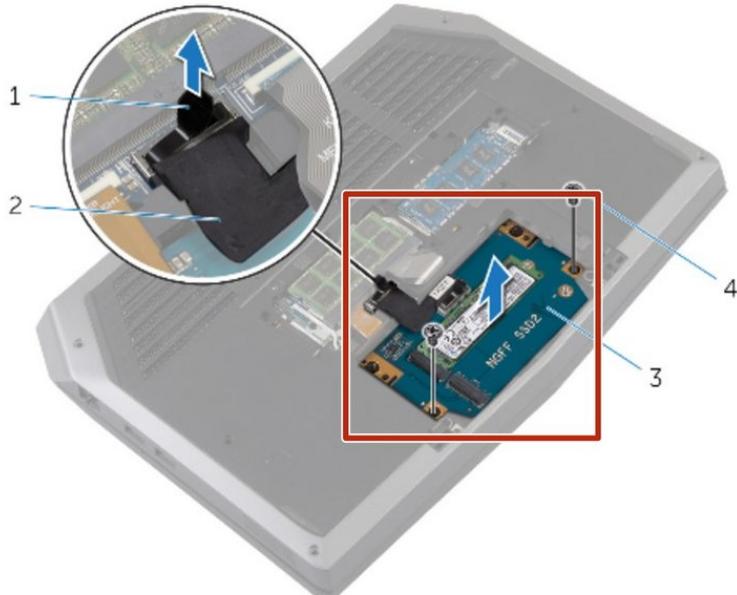
- Lift the solid-state drive assembly off the computer base.
- Make sure the screws are off the solid-state assembly.

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.

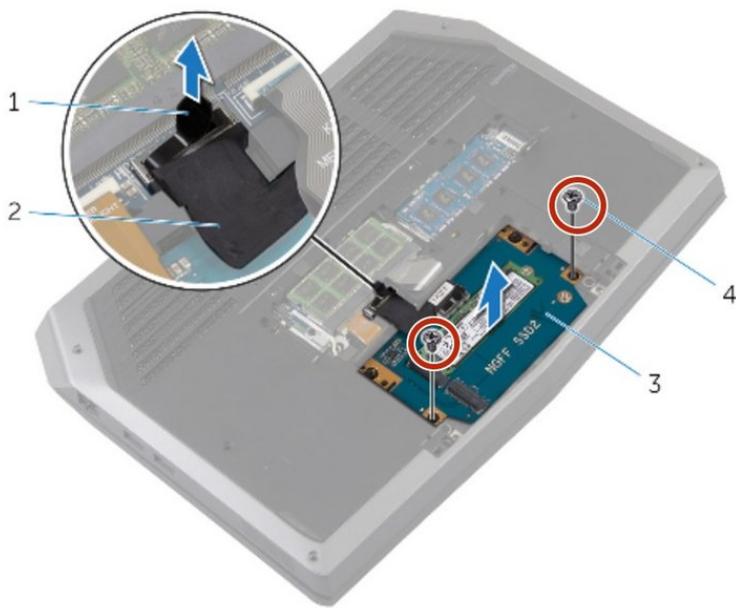
- Slide the new solid-state drive into the solid-state drive assembly.

Step 11 — Replace the Screw



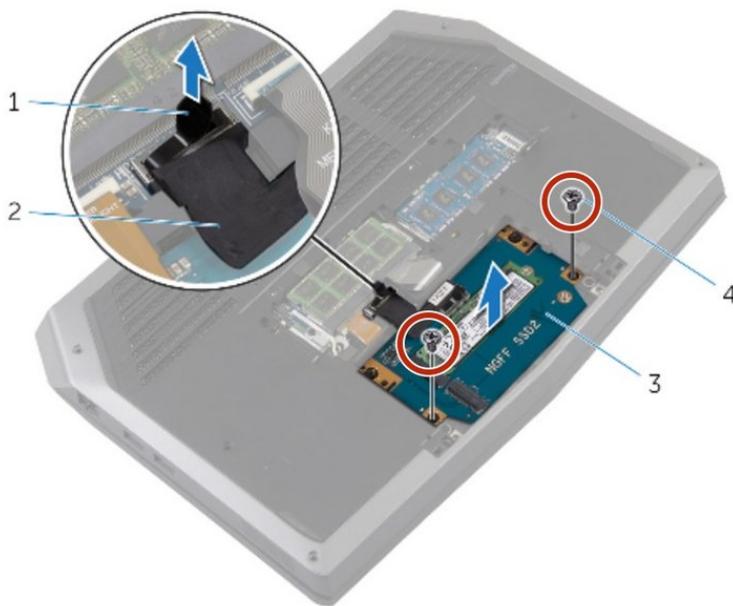
- Replace the screw that secures the solid-state drive assembly with the screw holes on the computer base.

Step 12 — Screw Align



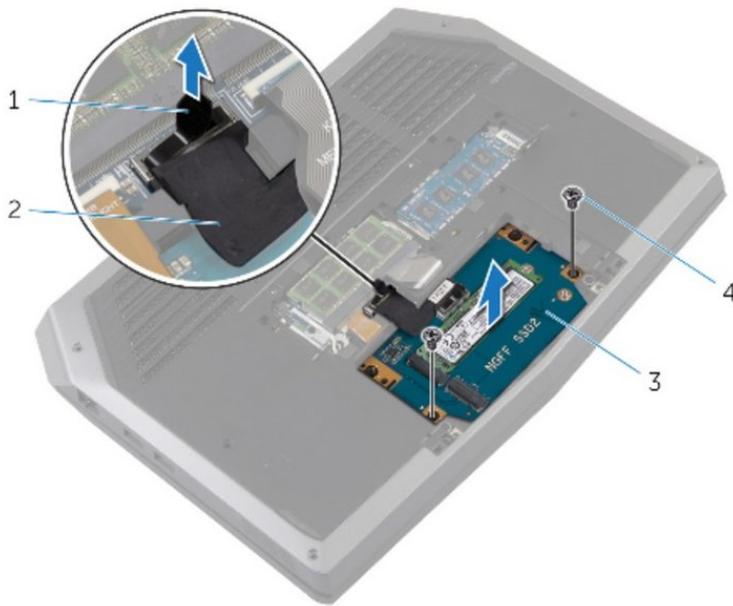
- Align the screw holes on the solid-state drive assembly with the screw holes on the computer base.

Step 13 — Screw Replacement



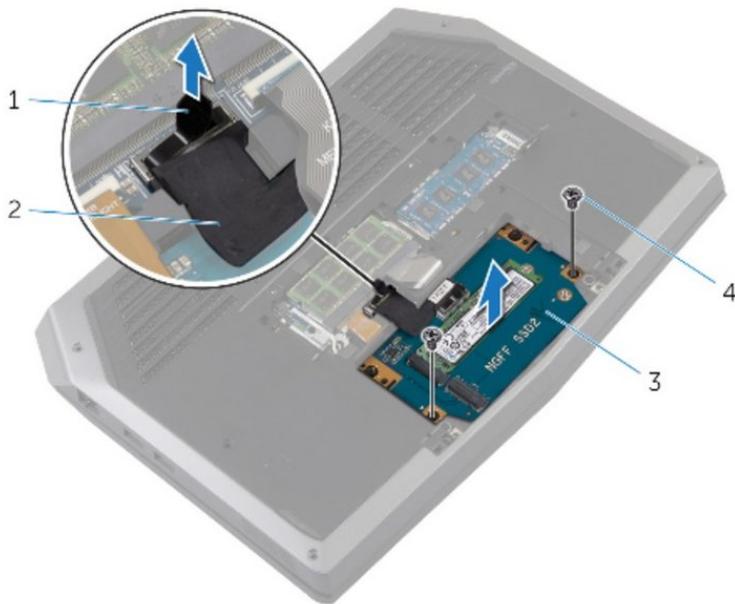
- Replace the screws that secure the solid-state drive assembly to the computer base.

Step 14 — Connecting the Drive



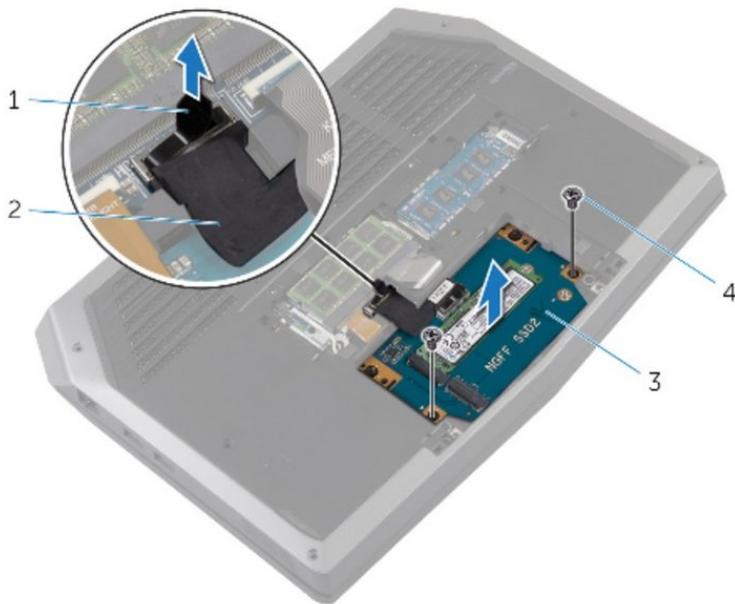
- Connect the solid-state drive cable to the system board.

Step 15 — Aligning Screws



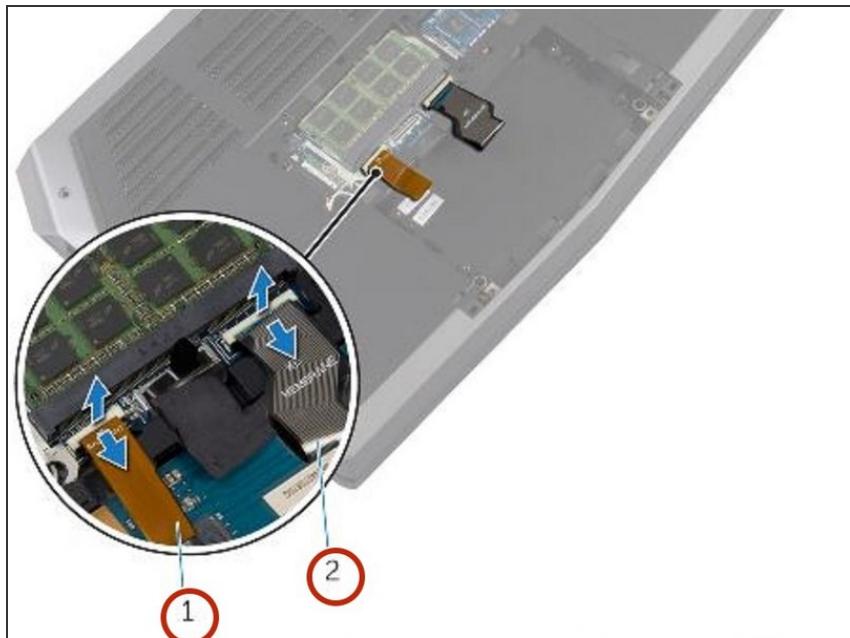
- Align the screws on the solid-state drive bracket with the screw holes on the solid-state drive assembly.

Step 16 — Replacing Screws



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

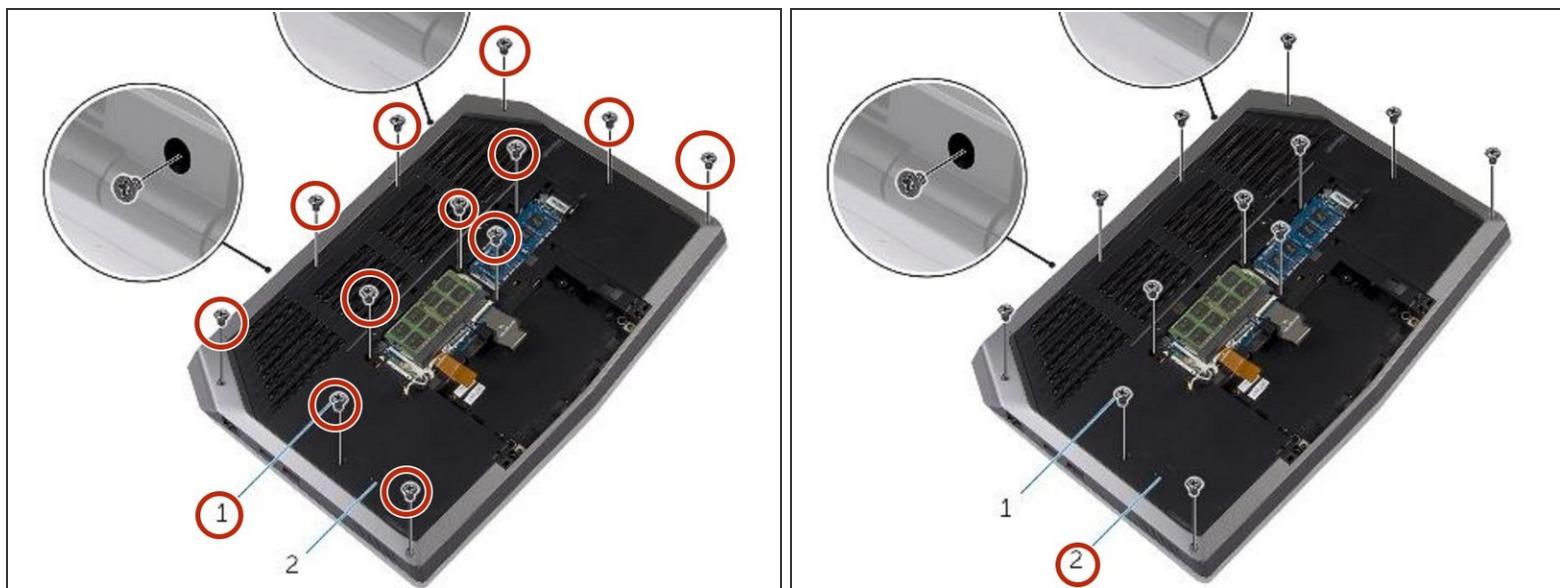
Step 17 — Disconnecting the Keyboard



⚠️ 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.

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



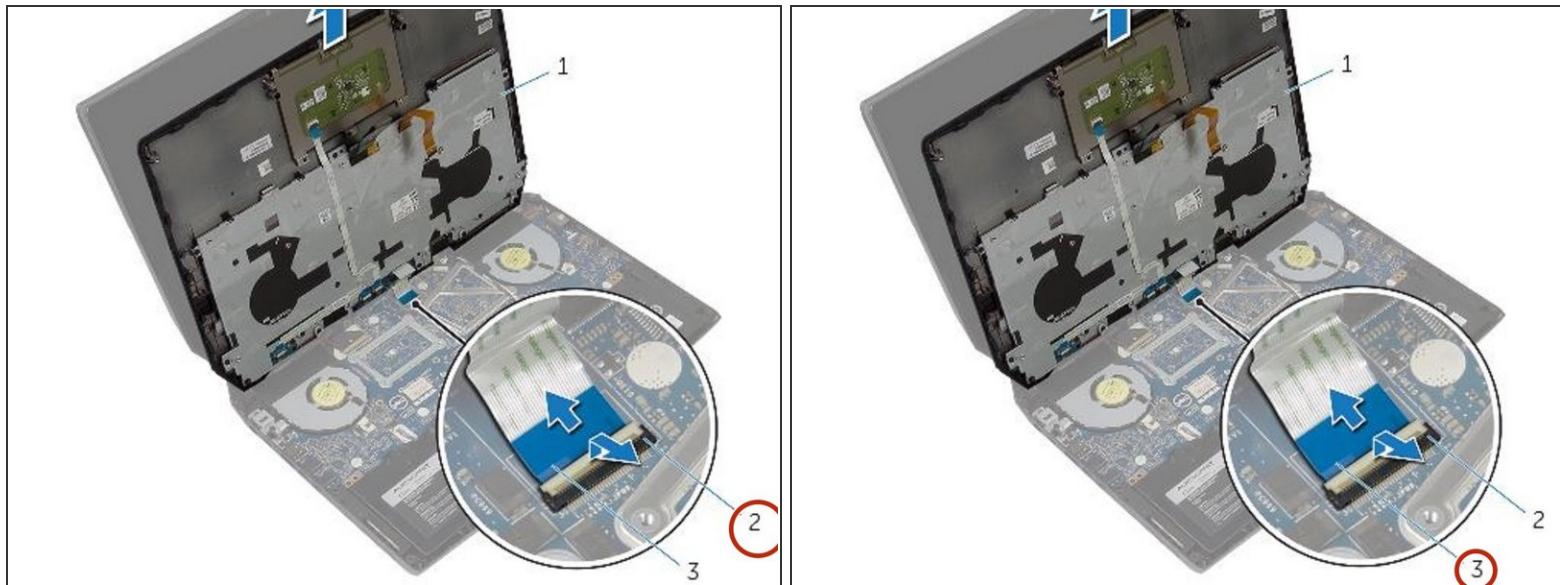
- Using a plastic scribe, pry up along the edges of the palm-rest assembly.

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



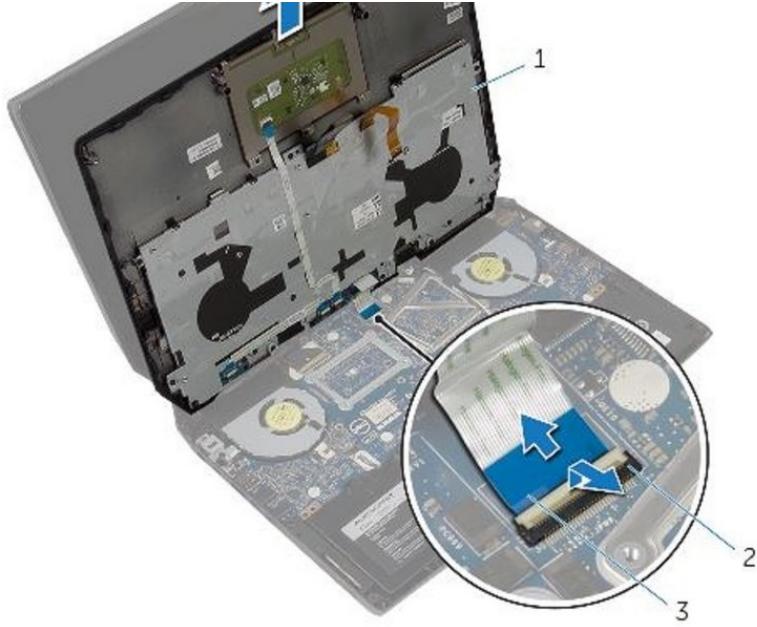
- Remove the Keyboard.
- Remove the power-button board.
- Remove the status-light board.
- Remove the touchpad.

Step 25 — Replacement



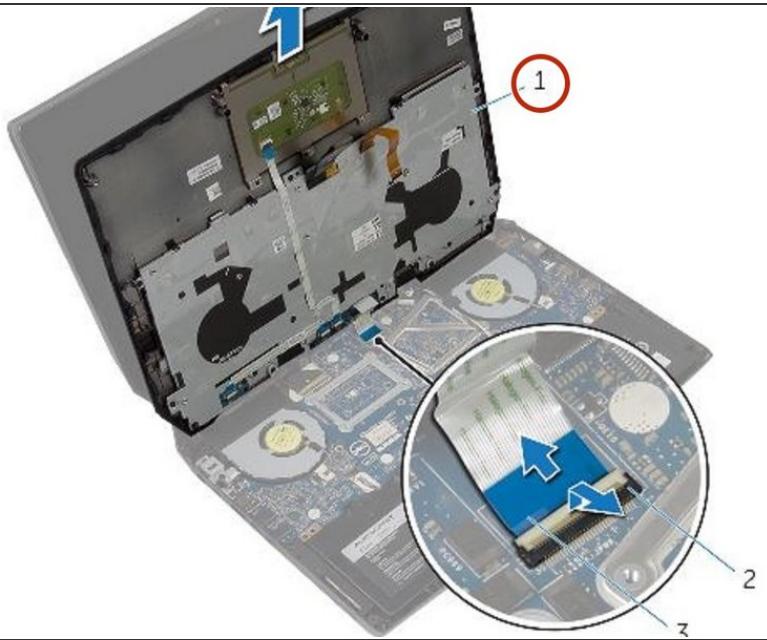
- Replace the touchpad.
- Replace the status-light board.
- Replace the power-button board.
- Replace the keyboard.

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



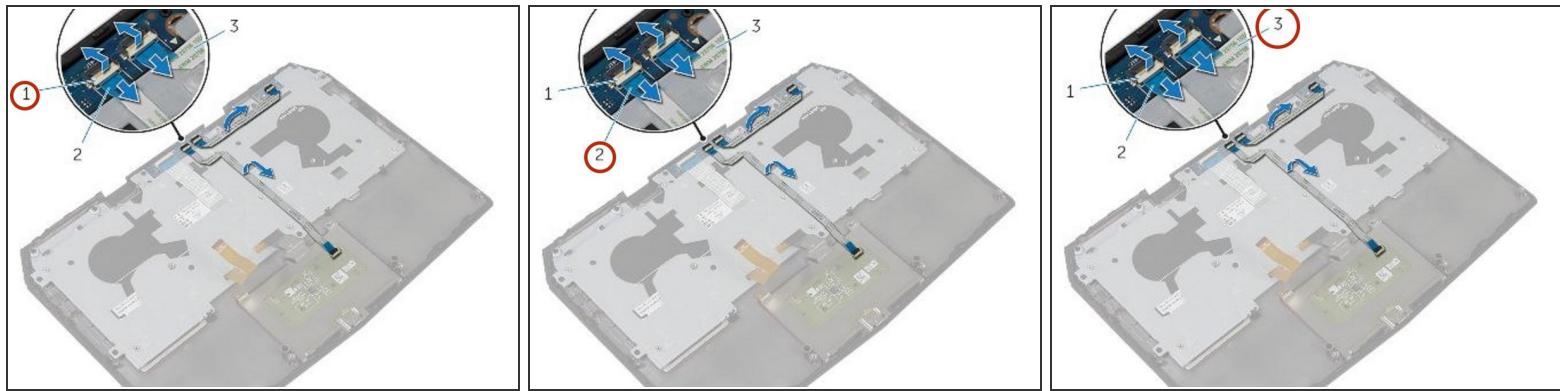
- Replace the screws that secure the palm-rest assembly to the computer base.

Step 30 — Connect the Keyboard Cable



- Connect the keyboard cable and the keyboard-backlight cable to the system board.

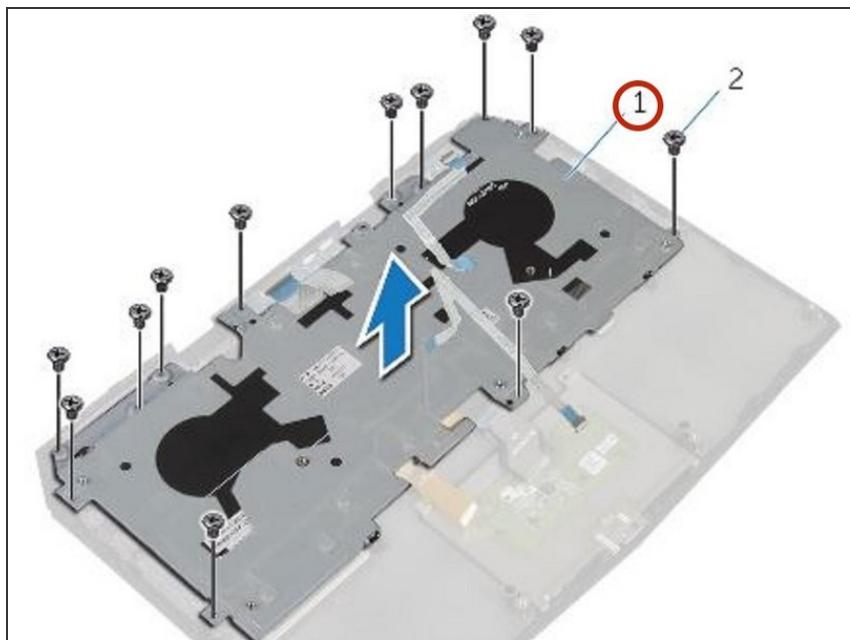
Step 31 — Disconnecting the Touchpad Cable



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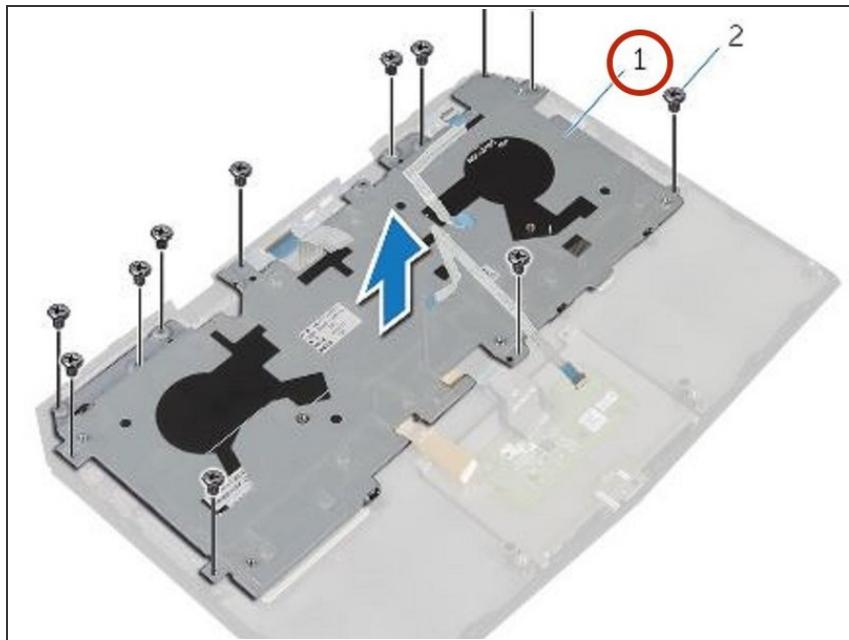
- Lift the connector latches and disconnect the touchpad cable and the status-light cable from the power-button board.

Step 32 — Peeling the Cables



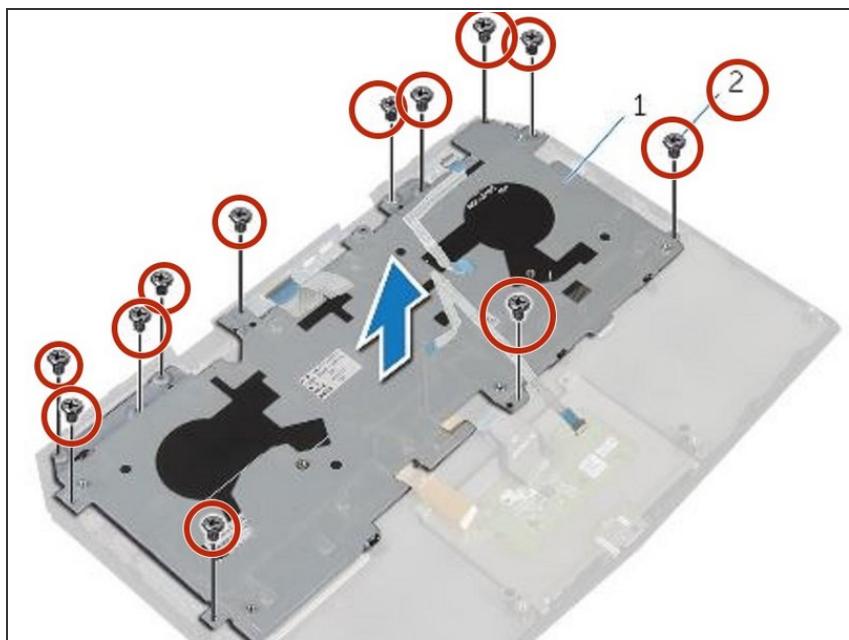
- Peel the touchpad cable and status-light cable off the keyboard bracket.

Step 33 — Removing the Keyboard Bracket



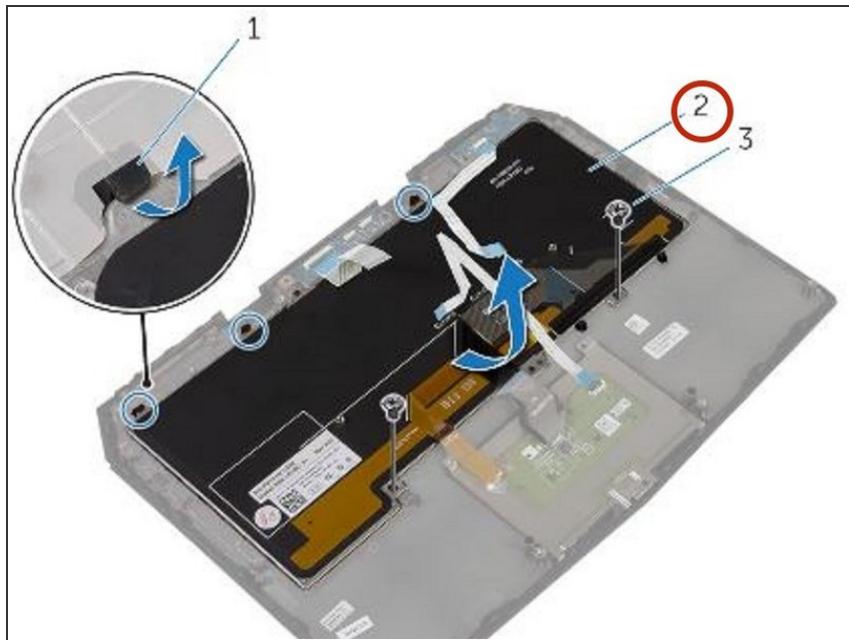
- Lift the keyboard bracket off the palm-rest assembly.

Step 34 — Remove the Screws



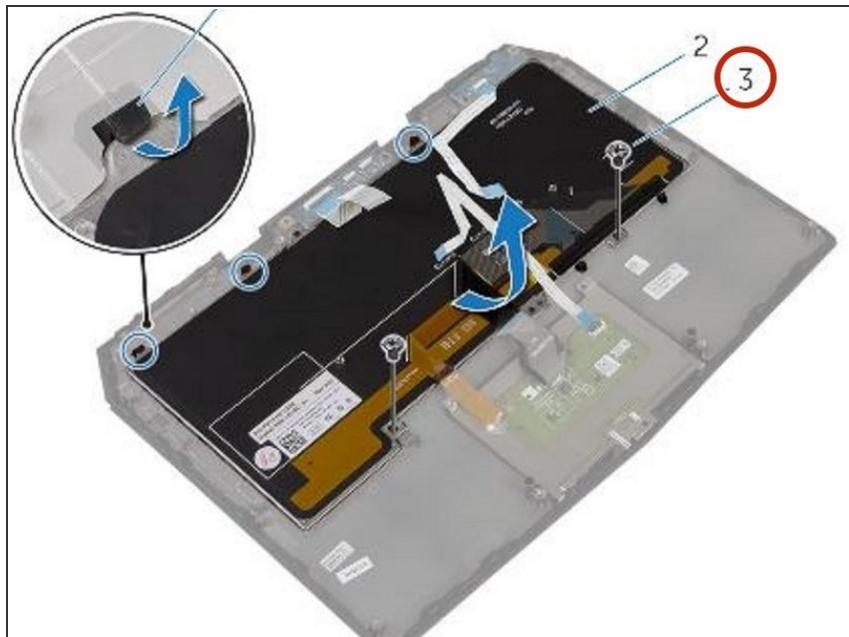
- Remove the screws that secure the keyboard to the palm-rest assembly.

Step 35 — Lifting the Keyboard



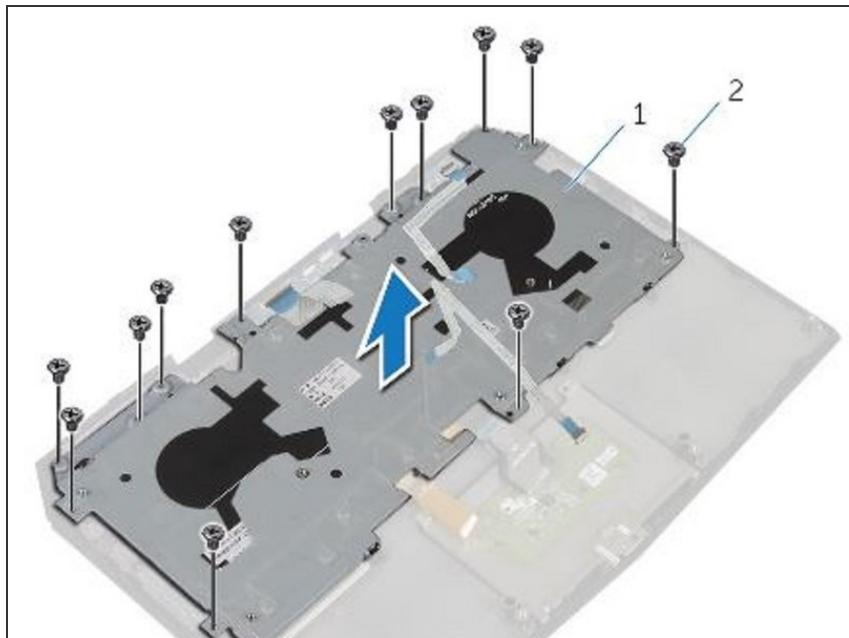
- Slide and lift the keyboard, along with the cables, off the palm-rest assembly.

Step 36 — Aligning the Screw Holes



- Align the screw holes on the **NEW** keyboard with the screw holes on the palm-rest assembly.

Step 37 — Replacing Screws



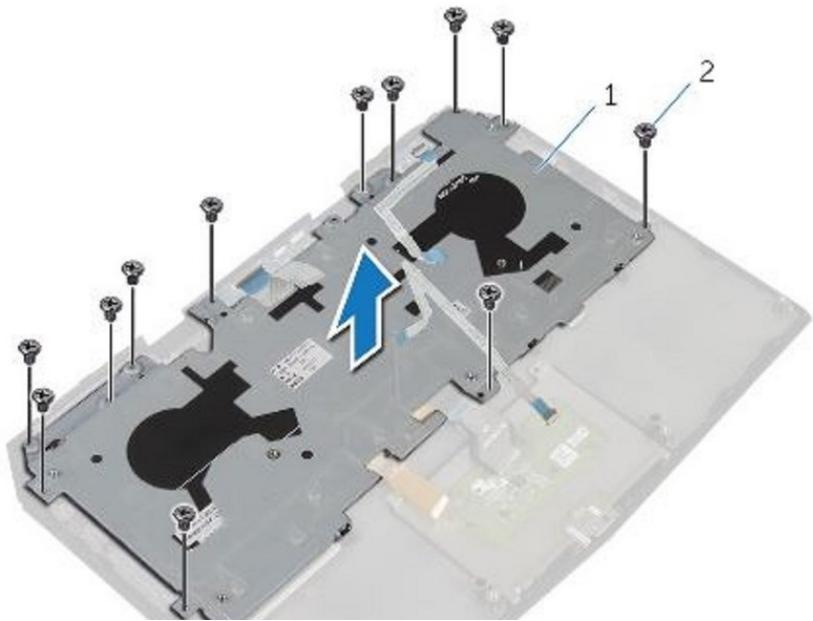
- Replace the screws that secure the keyboard to the palm-rest assembly.

Step 38 — Align the Screw Holes



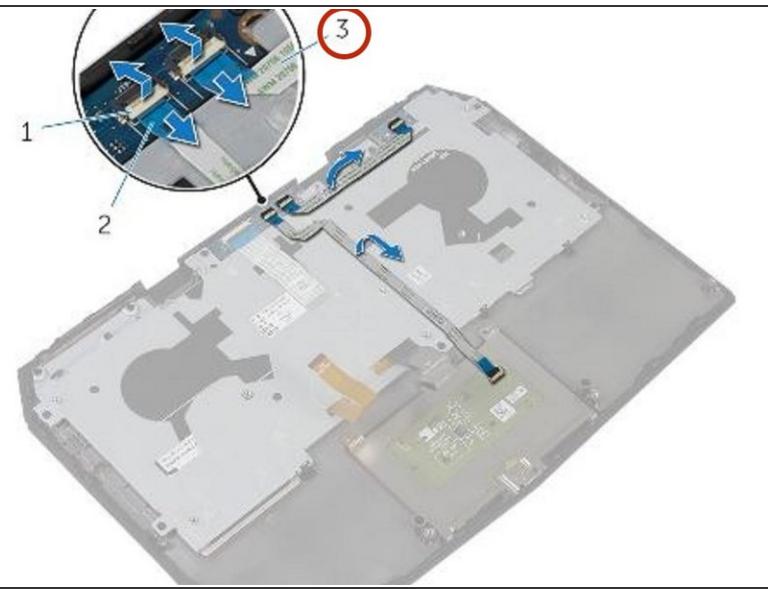
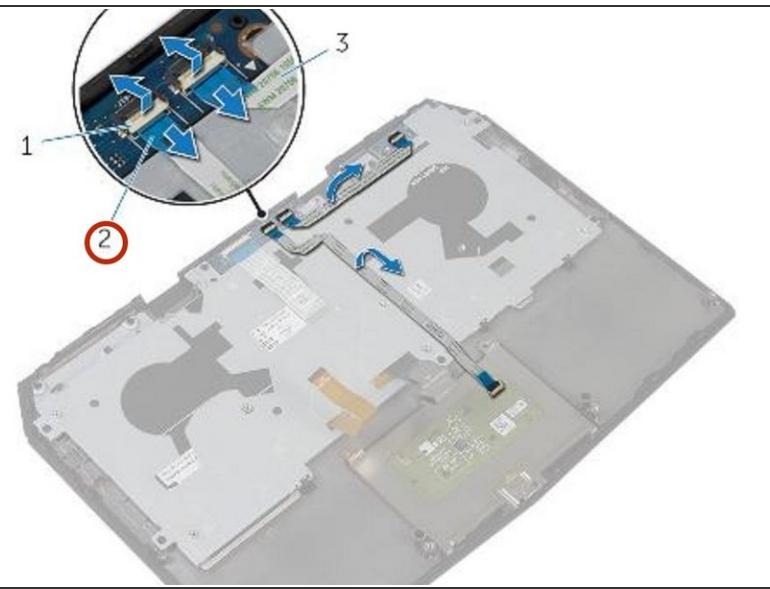
- Align the screw holes on the keyboard bracket with the screw holes on the palm-rest assembly.

Step 39 — Replace the Screws



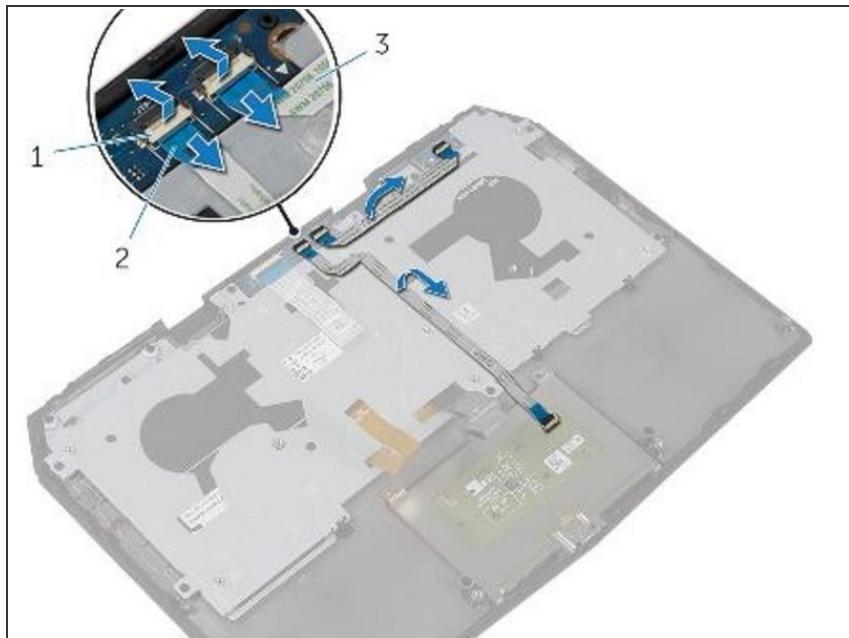
- Replace the screws that secure the keyboard bracket to the palm-rest assembly.

Step 40 — Adhering the Cables



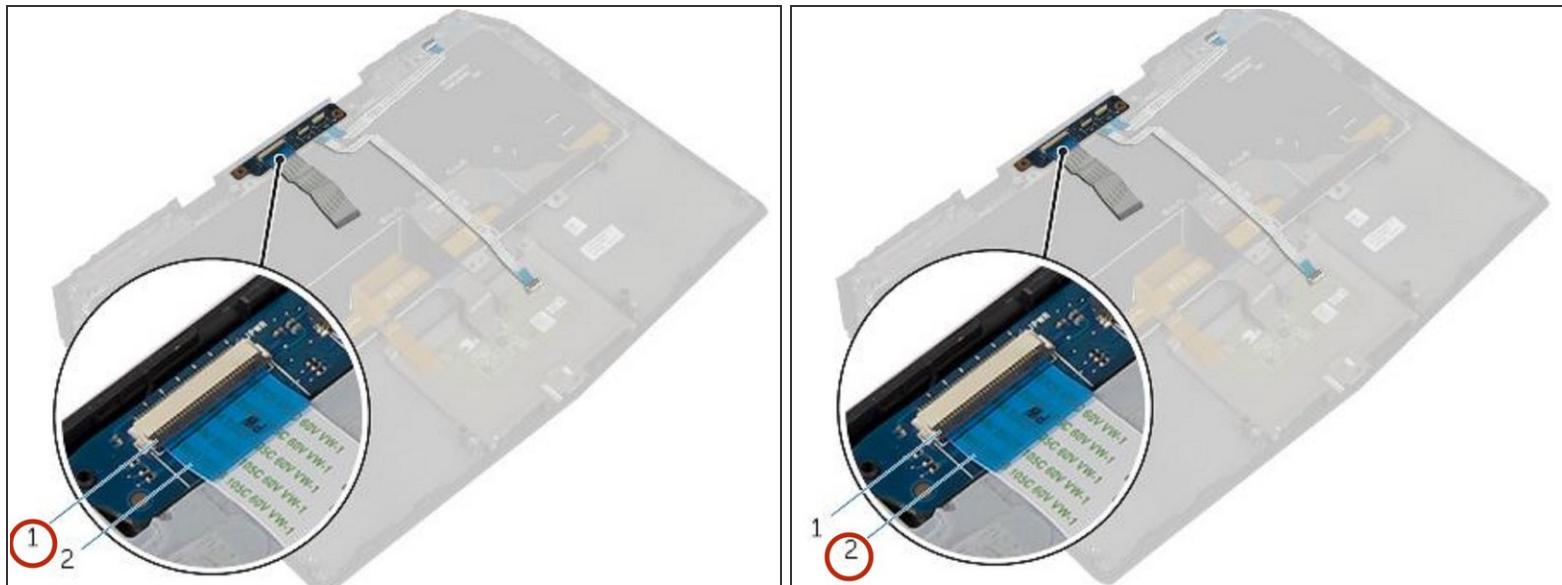
- Adhere the touchpad cable and status-light cable to the keyboard bracket.

Step 41 — Sliding the Cables



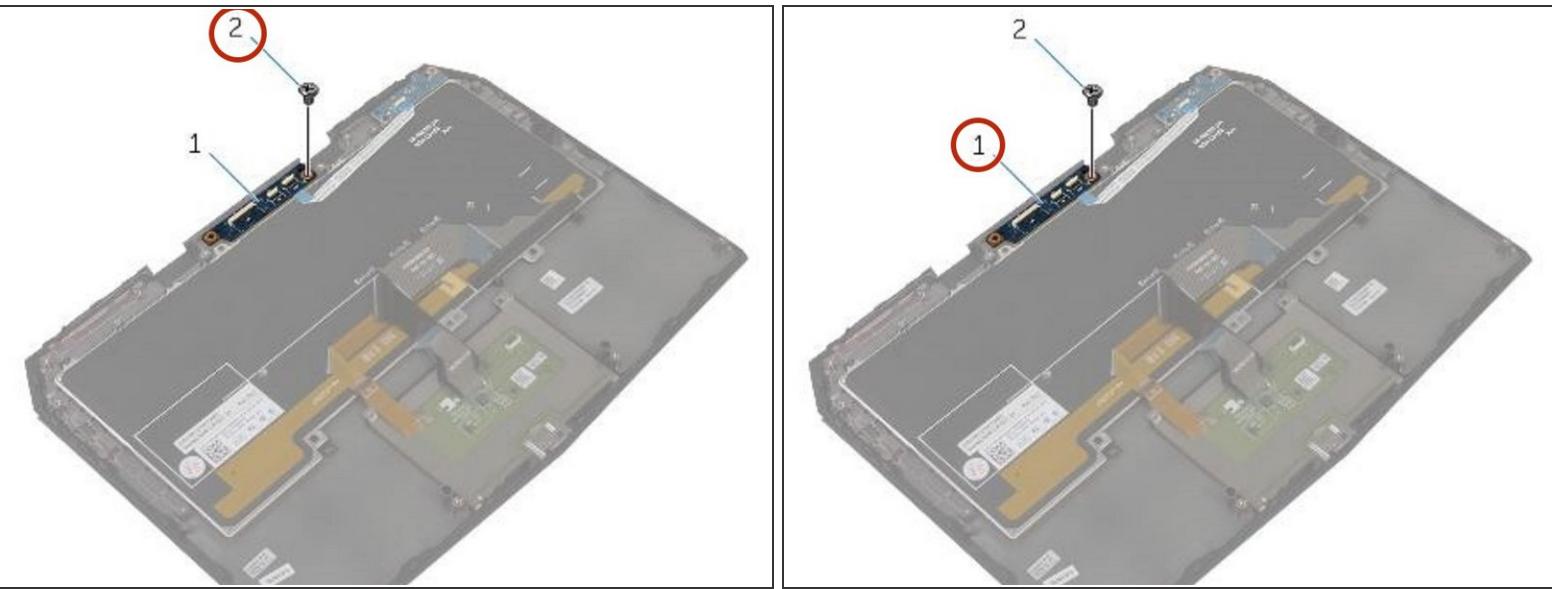
- Slide the touchpad cable and the status-light cable into their respective connectors on the power-button board and press down the latches to secure the cables.

Step 42 — Disconnecting the Power-Board Cable



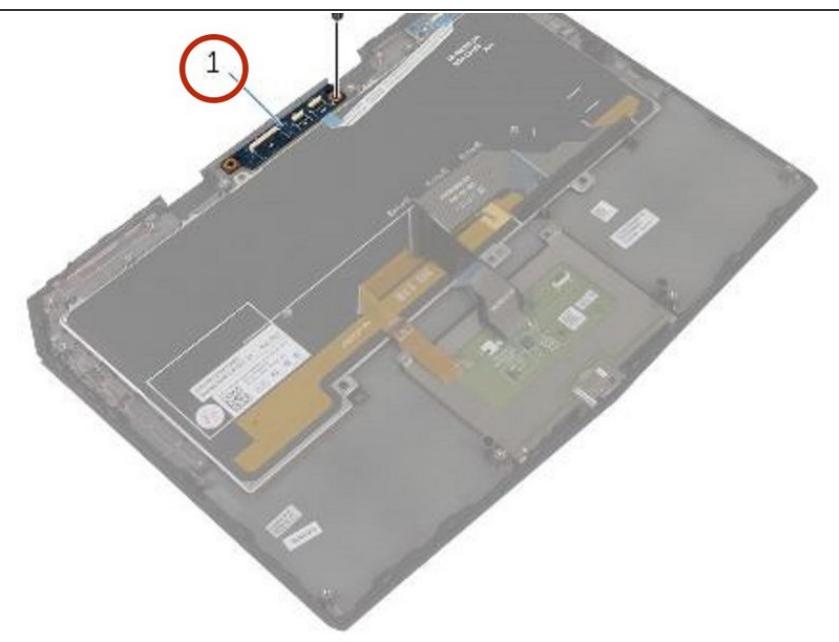
- Lift the connector latch and disconnect the power-button board cable from the power-button board.

Step 43 — Remove the Screw



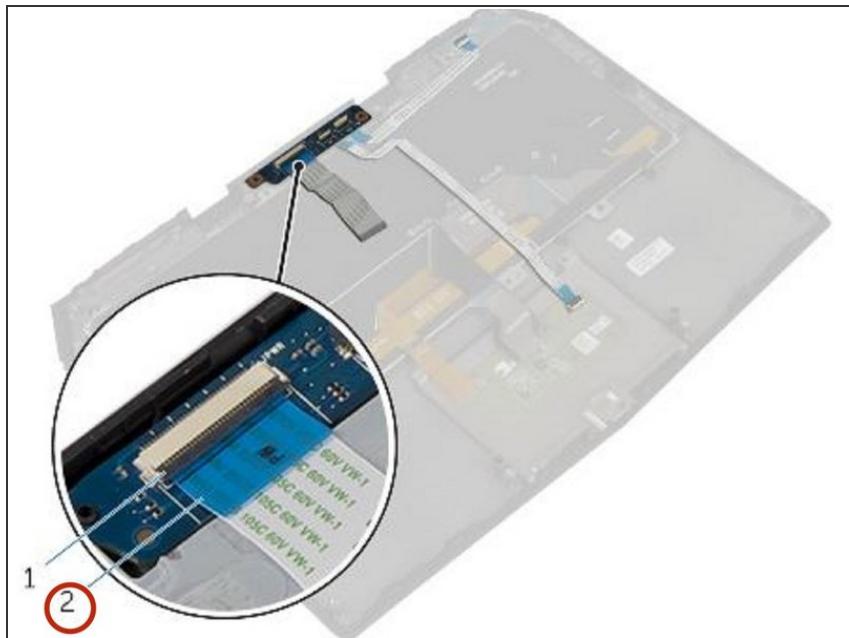
- Remove the screw that secures the power-button board to the palm-rest assembly.

Step 44 — Lifting the Power-Button Board



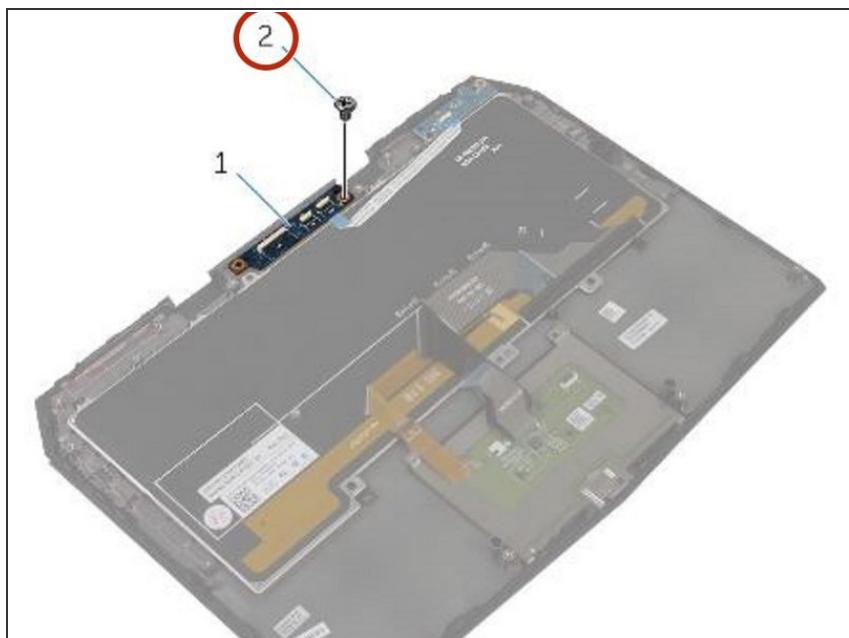
- Lift the power-button board off the palm-rest assembly.

Step 45 — Securing the Cable



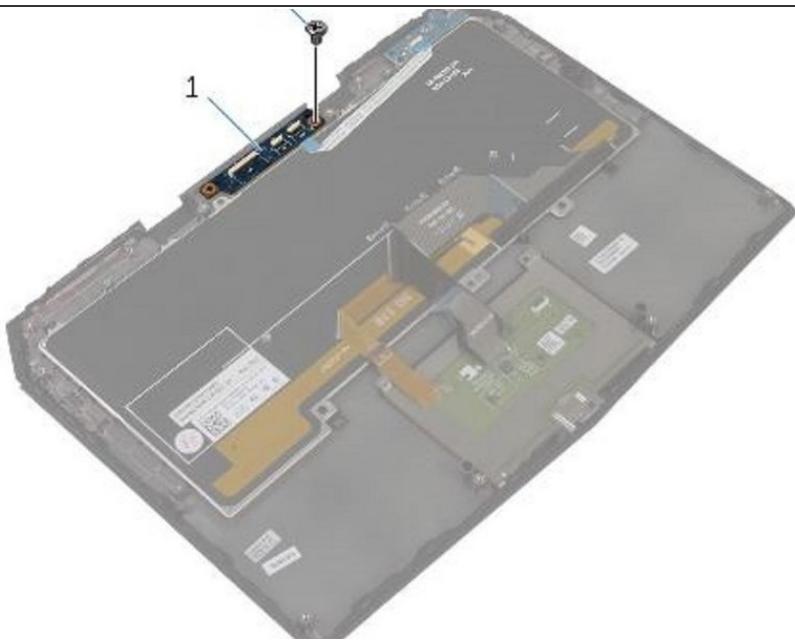
- Slide the power-button board cable into the power-button board connector and press down the latch to secure the cable.

Step 46 — Align the Screw Hole



- Align the screw hole on the power-button board with the screw hole on the palm-rest assembly.

Step 47 — Replace the Screw



- Replace the screw that secures the power-button board to the palm-rest assembly.

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