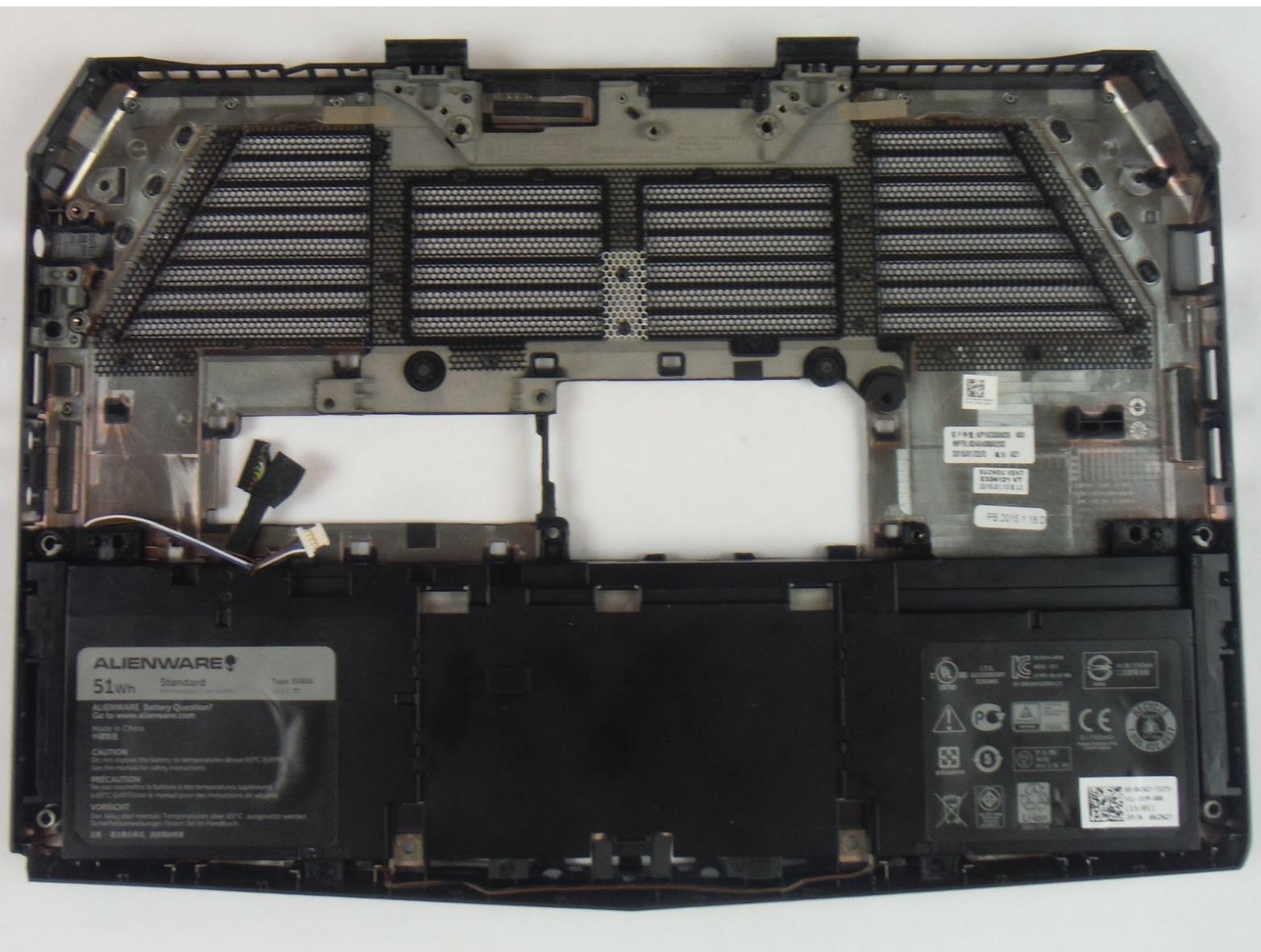




Dell Alienware 13 Computer Base Replacement

Use this guide to replace the Computer Base on a Dell Alienware 13 laptop.

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INTRODUCTION

This guide will show the user how to replace a cracked, broken, or damaged computer base on a Dell Alienware 13 laptop.

TOOLS:

- Heavy-Duty Spudger (1)
- Phillips #1 Screwdriver (1)
- Phillips #0 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



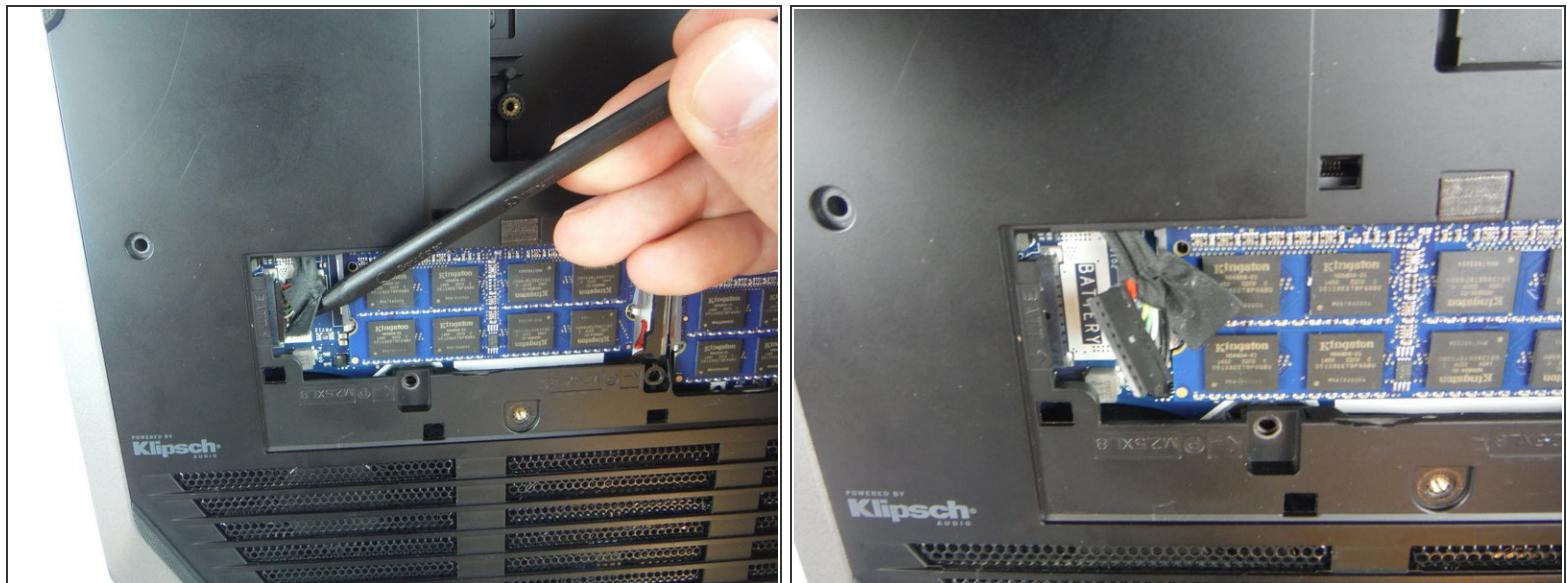
- Remove (2) 5 mm Phillips head screws attaching the small access panel to the base using a Phillips # 1 screwdriver.
- **i** The (2) screws are attached to the base panel with retaining clips and won't completely detach from the panel.

Step 3



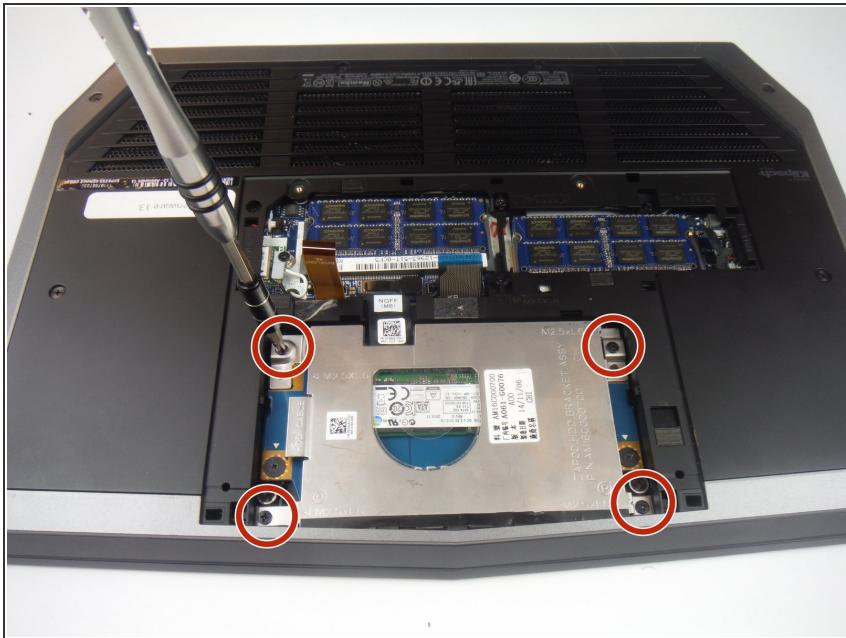
- Remove the small access panel using a heavy duty spudger.

Step 4 — Computer Base



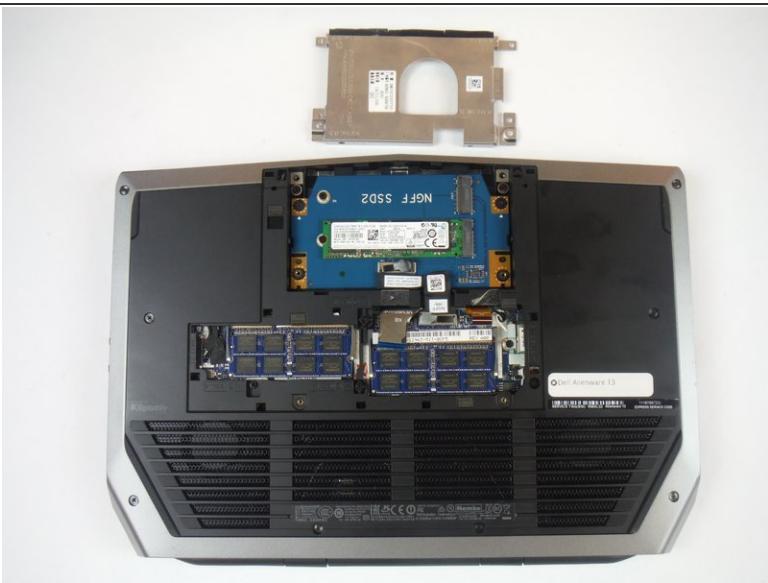
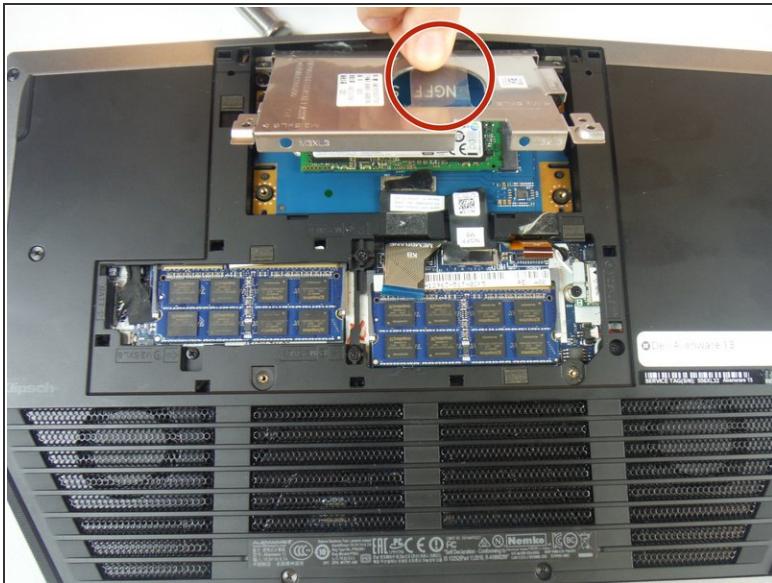
- Disconnect the battery cable from the battery cable terminal.

Step 5



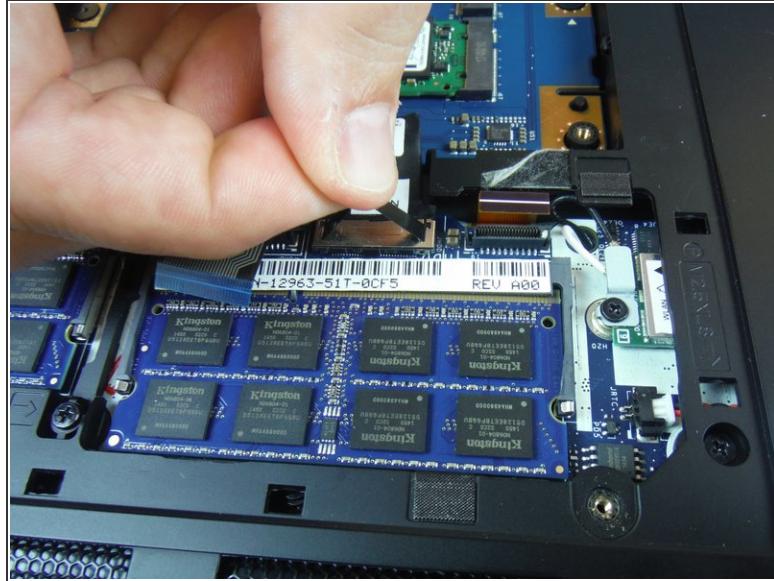
- Remove (4) 6 mm Phillips head screws from the solid-state metal drive bracket, using a Phillips # 1 screwdriver.

Step 6



- Grab the pull tab to pivot the solid-state drive bracket upwards. Remove the bracket from the computer base.

Step 7



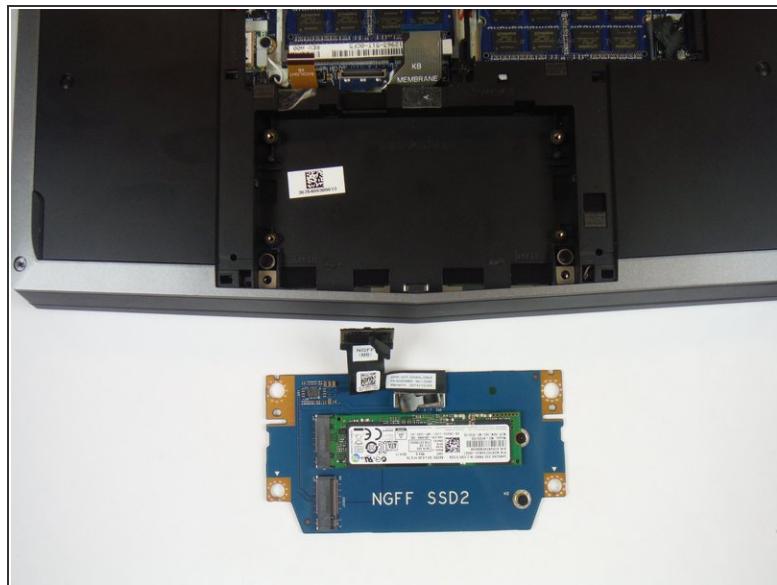
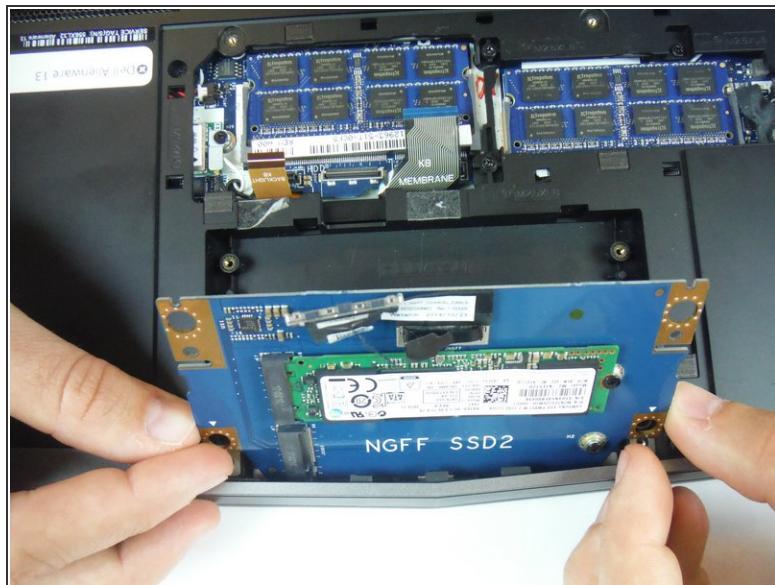
- Using the pull tab, disconnect the black solid-state drive cable from the system board.

Step 8



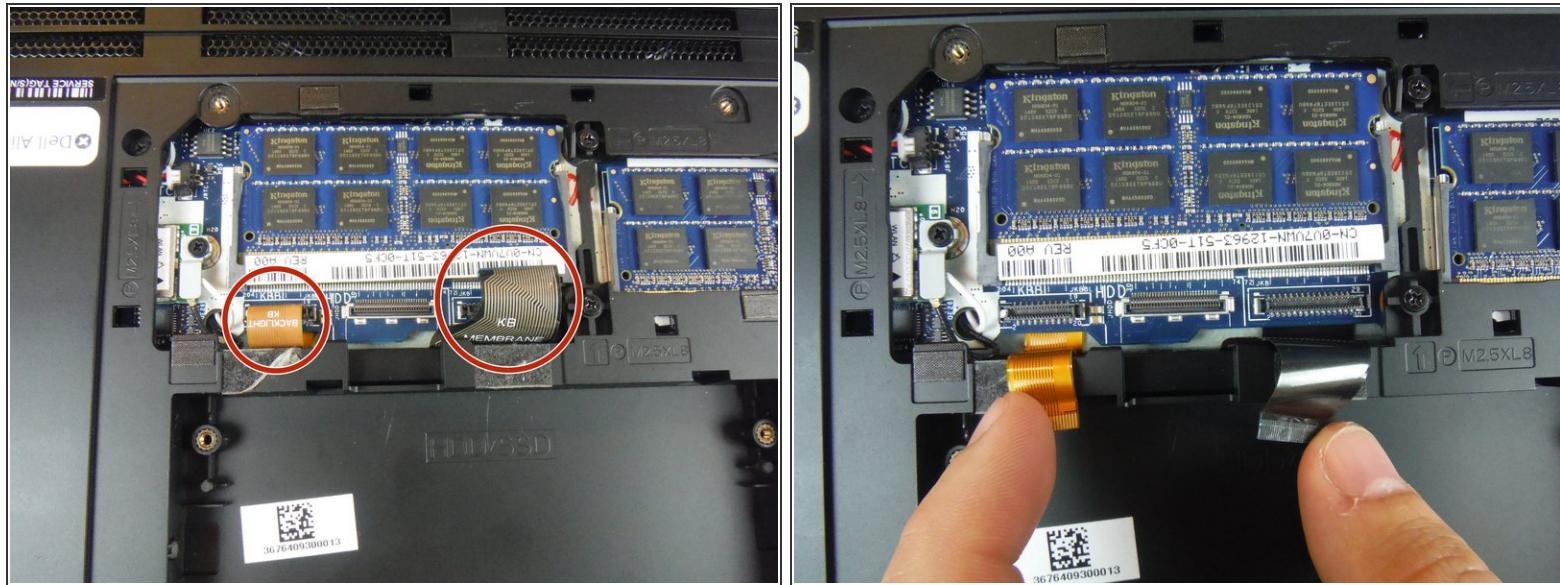
- Remove (2) 3 mm Phillips head screws, using a Phillips # 0 screwdriver, that connect the solid-state drive assembly to the computer base.

Step 9



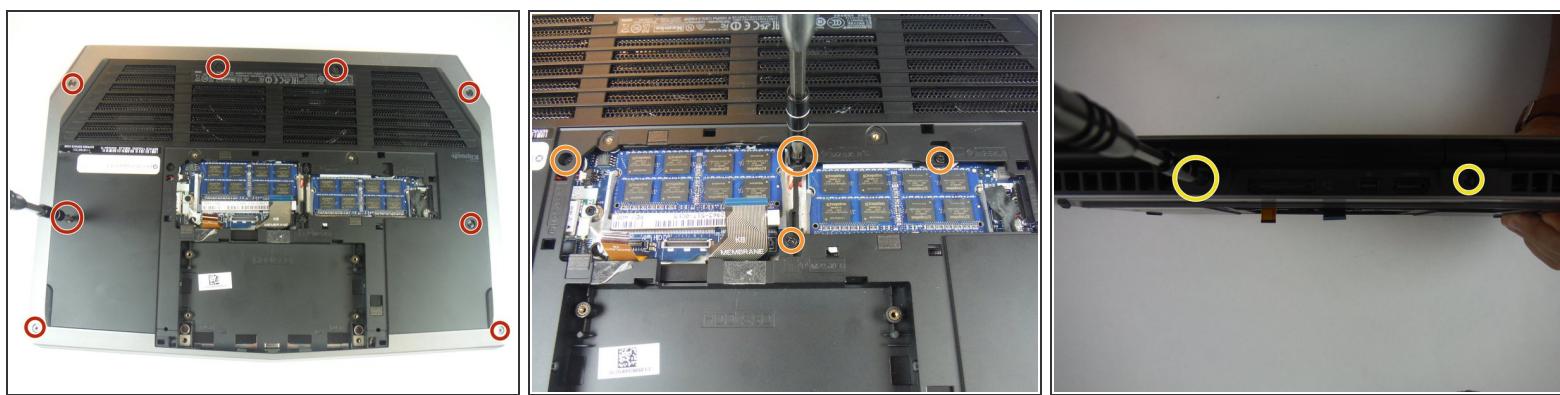
- Lift up on the solid-state drive assembly to remove it from the computer base.

Step 10



- Locate two cables labeled, "KB Backlight" (orange) and "KB Membrane" (black). Lift up on the latches to disconnect the cables from the system board.
- (i)* The latches that connect the cables to the system board are very delicate. Handle with care to avoid damaging them.

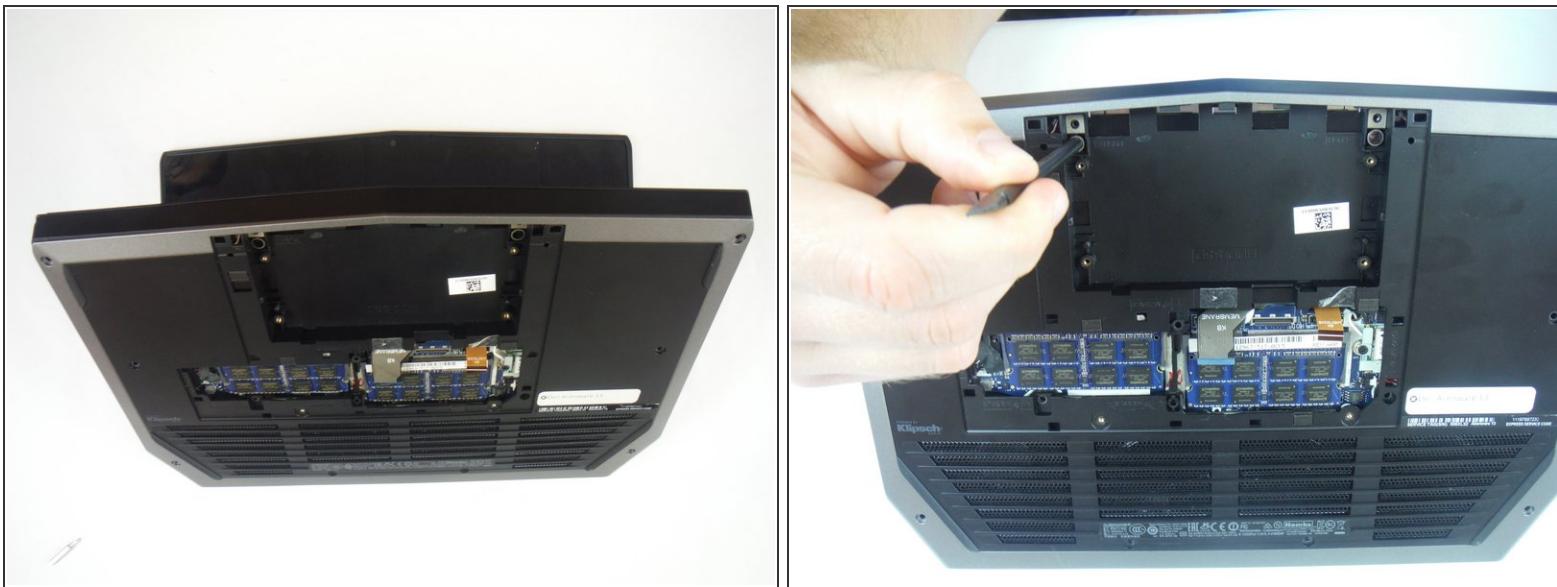
Step 11



- Remove (8) 9 mm Phillips head screws using a Phillips # 1 screwdriver, that secures the palm-rest assembly to the computer base.
- Remove (4) 8 mm Phillips head screws using a Phillips # 1 screwdriver.
- Remove (2) 7 mm Phillips head screws using a Phillips # 1 screwdriver.

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Step 12



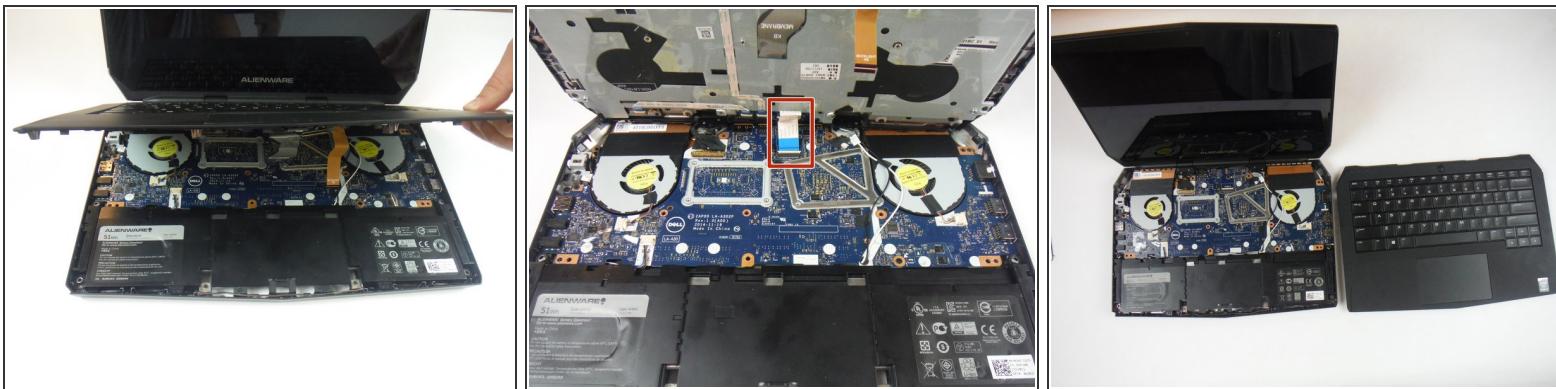
- Lift the computer base slightly towards you and push the release tabs on the palm-rest assembly until it pops out using a spudger.

Step 13



- Turn the computer over and open the display as far as possible.
- Using a plastic spudger, pry up along the edges of the palm-rest assembly.
- Gently lift the palm-rest assembly.

Step 14



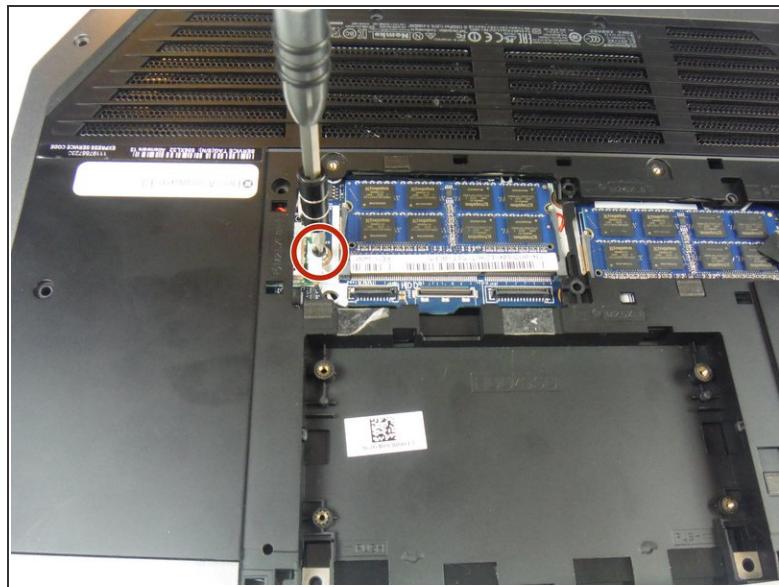
- Lift the connector latch and disconnect the power-button board cable from the system board. Identified as a cable with a blue tab.
- Lift the palm-rest assembly off the computer base.

Step 15



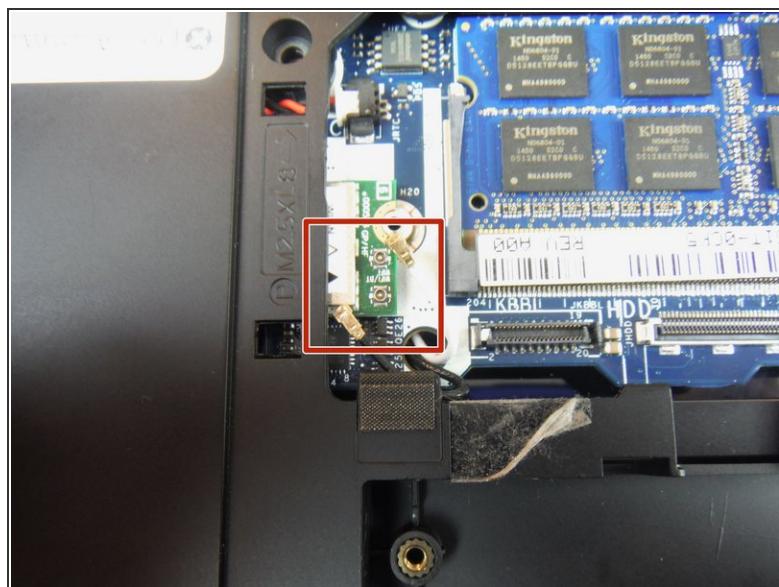
- Open the display as far as possible.
- Remove (2) 3 mm Phillips head screws, using a Phillips head #0 screwdriver, that secure the hinge caps to the display hinges.
- Slide and lift the hinge caps off the display hinges.

Step 16



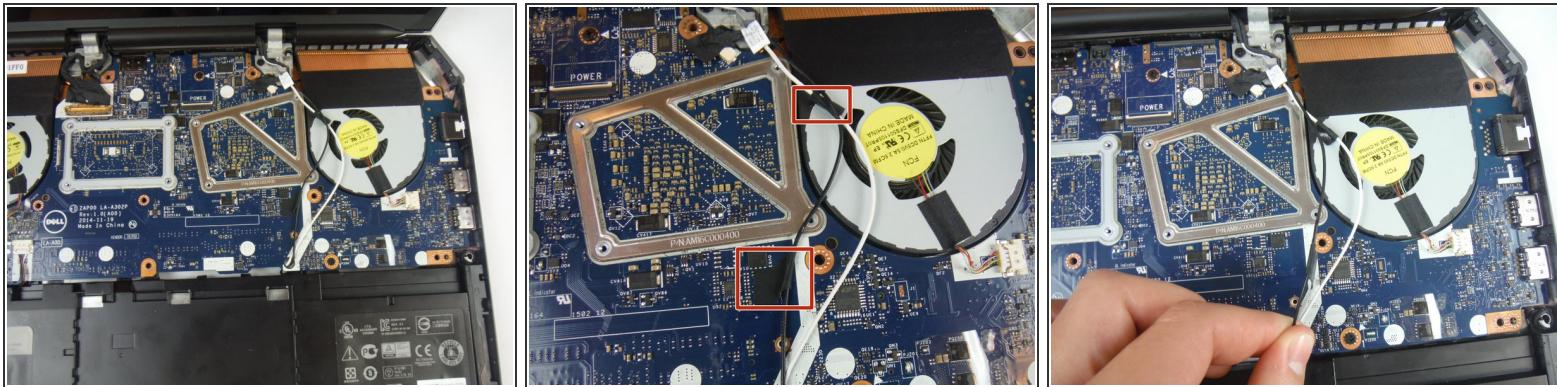
- Close the display and turn the computer over.
- Remove (1) 2 mm Phillips head screw, using a Phillips head # 0 screwdriver, that secures the wireless-card bracket to the wireless card.

Step 17



- Disconnect the antenna cables from the wireless card using a heavy duty spudger. The wires can be removed by applying a force directed upward, away from the device.

Step 18



- Turn the computer over and open the display.
- Peel off the adhesive tapes that secure the antenna cables to the system board.

(i) Make note of how the cables are routed before removing any cables from their routing guide.

Step 19



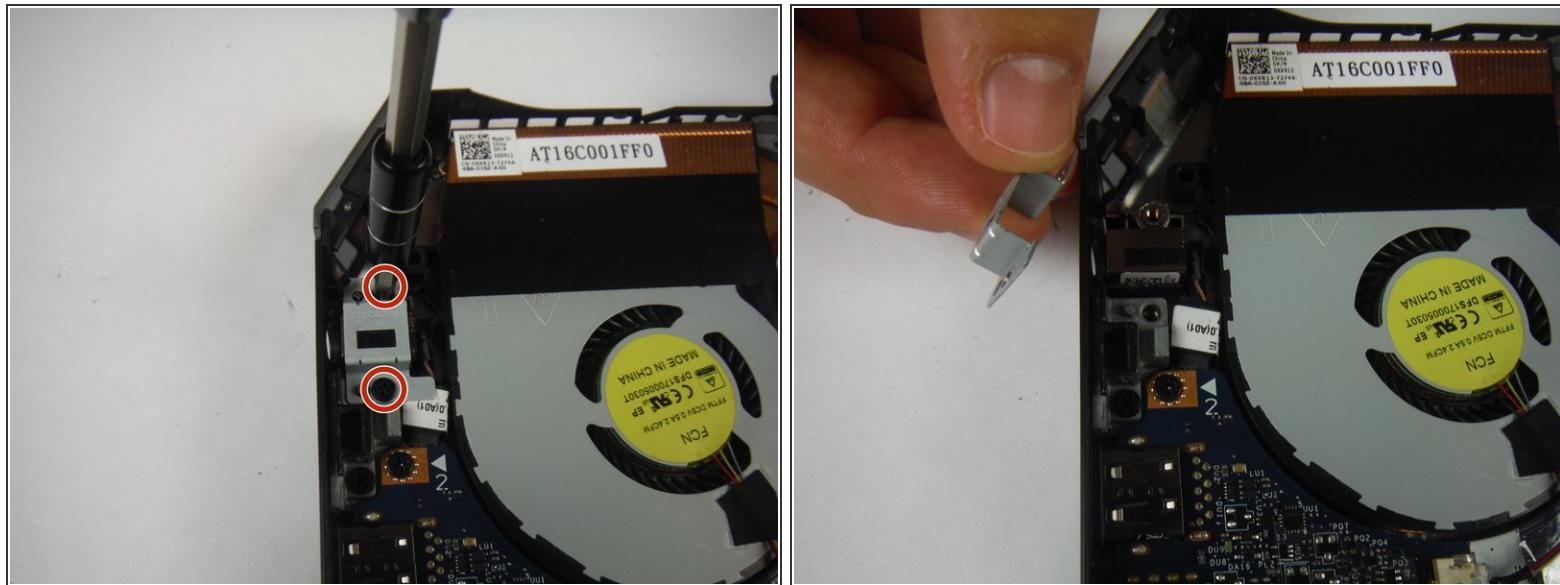
- Lift the connector latch and disconnect the display cable from the system board.
- Disconnect the logo-board cable from the system board.
- Remove the antenna cables, display cable, and logo-board cable from the routing guides on the display hinges.

Step 20



- Remove (4) 8 mm Phillips head screws, using a Phillips # 1 screwdriver, that secure the display assembly to the computer base.
- Lift the display assembly off the computer base.

Step 21



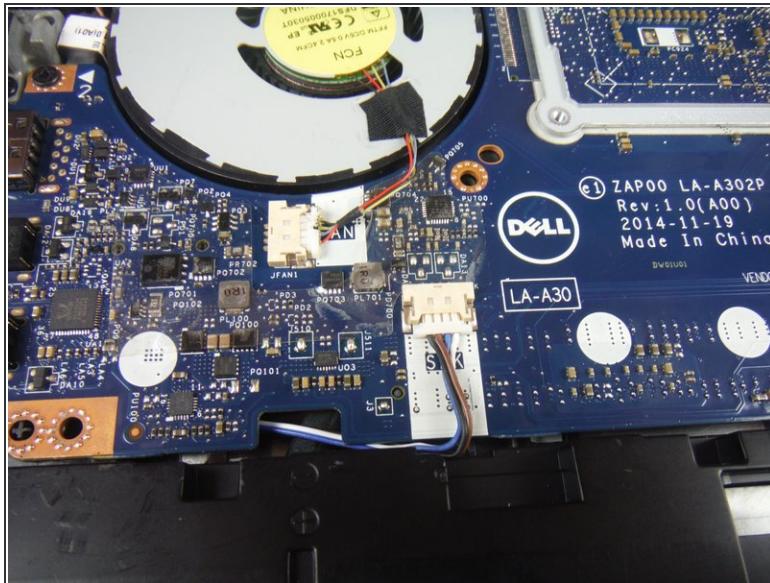
- Remove the (2) 6 mm Phillips head screws securing the power adapter port bracket with a #1 Phillips screwdriver.
- Lift and remove the power adapter port bracket.

Step 22



- Lift up and remove the power adapter port from the computer base.

Step 23



- Disconnect the speaker cable connector from the service board.

Step 24



- Remove (3) 6 mm Phillips head screws securing the service board with a #1 Phillips screwdriver.
- Lift up on the service board assembly using a heavy duty spudger and slide the board towards the battery to remove from the base.

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