HP Envy 15-u001dx Cooling Fan Replacement

This guide shows you how to get to and remove your built-in cooling fan.

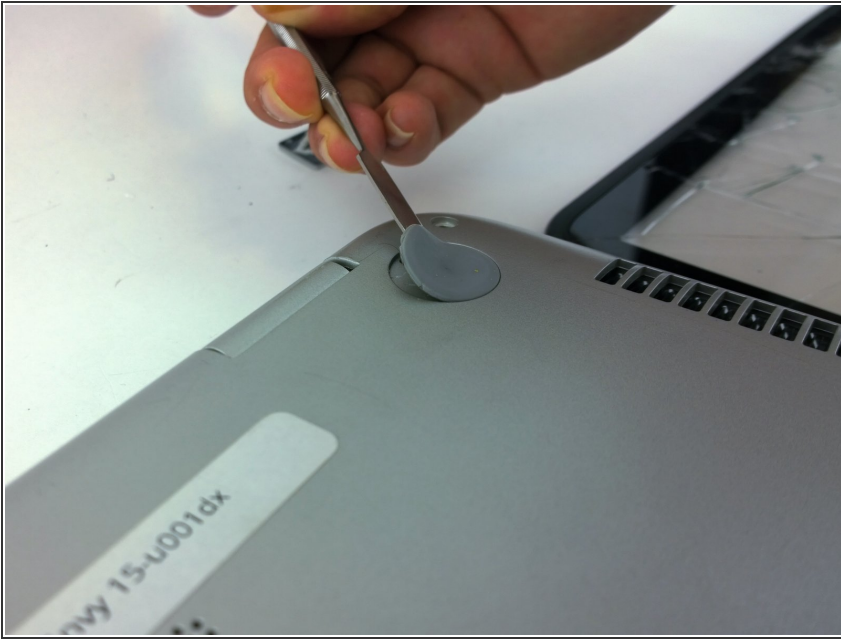Written By: Dakota Presley

INTRODUCTION

The brushless motor fan is designed to remove heat from the components inside your laptop and is crucial to prevent overheating. Overheating can cause permanent damage and possibly render the laptop useless.
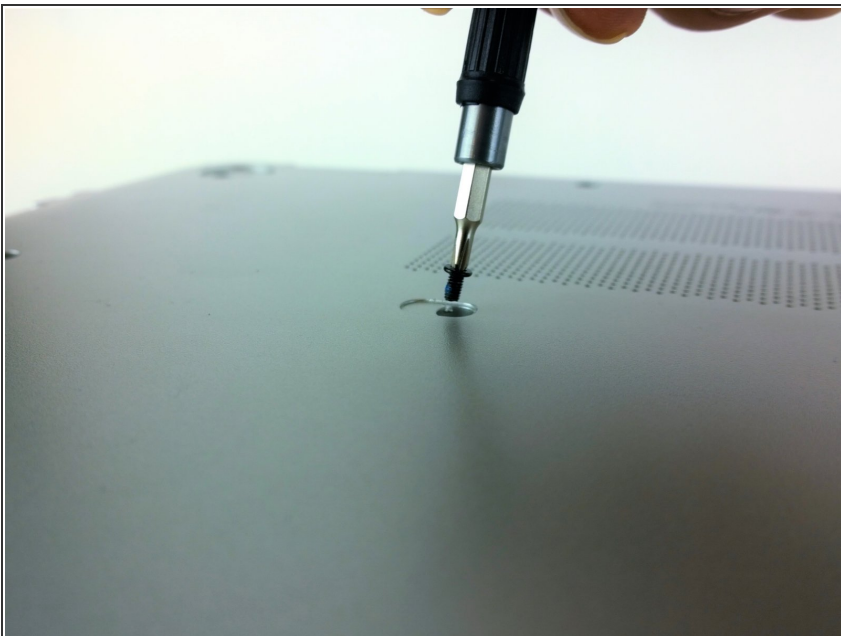
⚒ TOOLS:

- Phillips #0 Screwdriver (1)
- Phillips #000 Screwdriver (1)
- Spudger (1)

Step 1 — HP Envy 15-u001dx Disassembly

- Remove the two no-slip covers on the rear, bottom side using spudger shown in top center of picture.

- (i) The two in the front do not have to be removed as there are no screws underneath them.

Step 2

- Remove the two cover tabs towards center of the bottom as there are screws underneath them.

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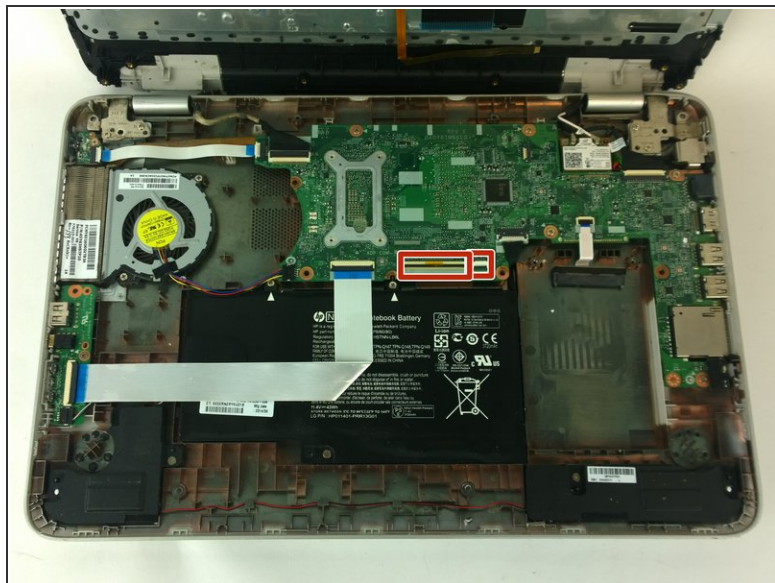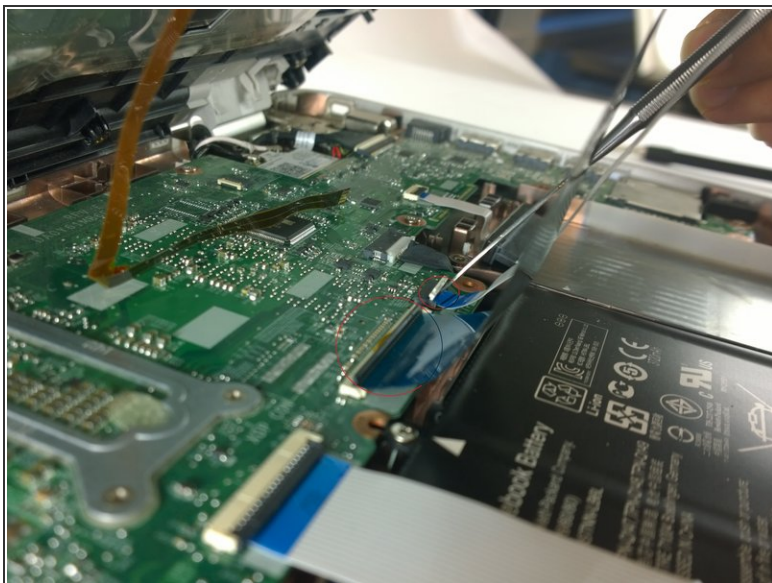
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Step 3

- Remove all fourteen 4.5 mm screws from the bottom using a Phillips #0 screwdriver. Each location is marked by a red circle in the picture.

Step 4

- Separate the top cover by using a spudger to go around the sides freeing the inside latches.

- ⚠ Once the bottom is free, carefully open to the inside as there are two ribbons that connect your keyboard and touch pad to the top cover.
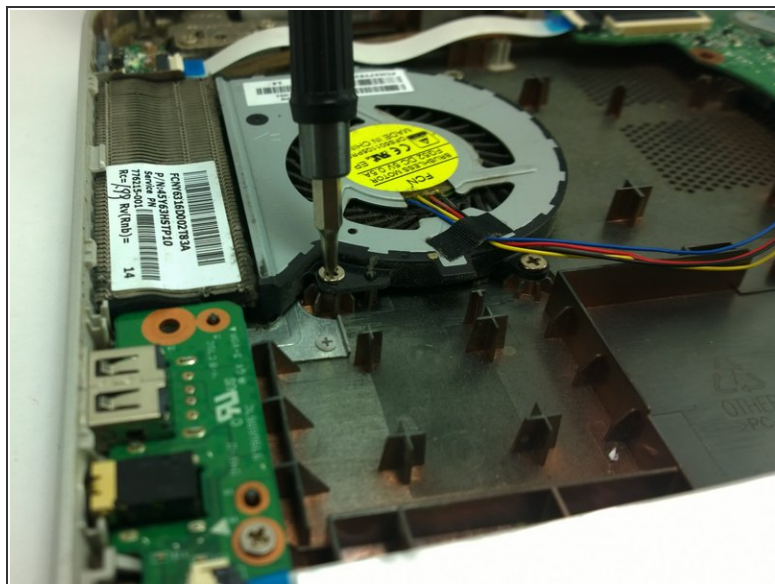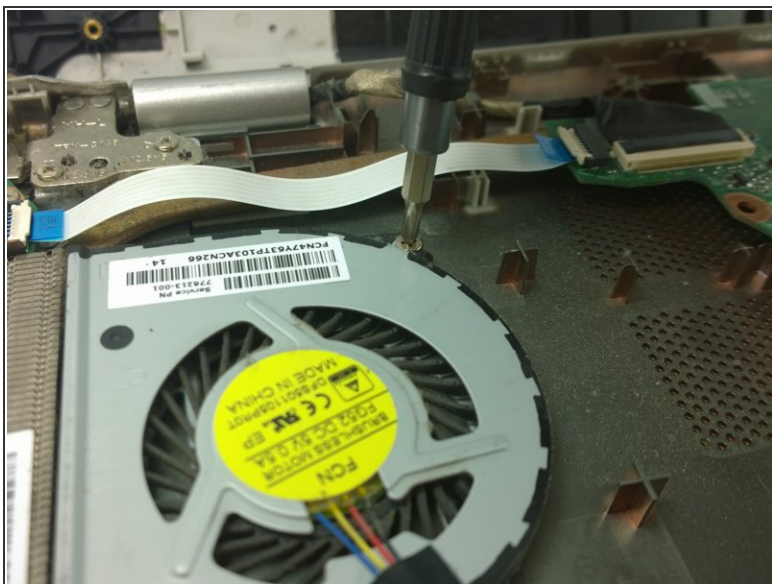
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Step 5

- Use the spudger to detach the two ribbons from their connectors.
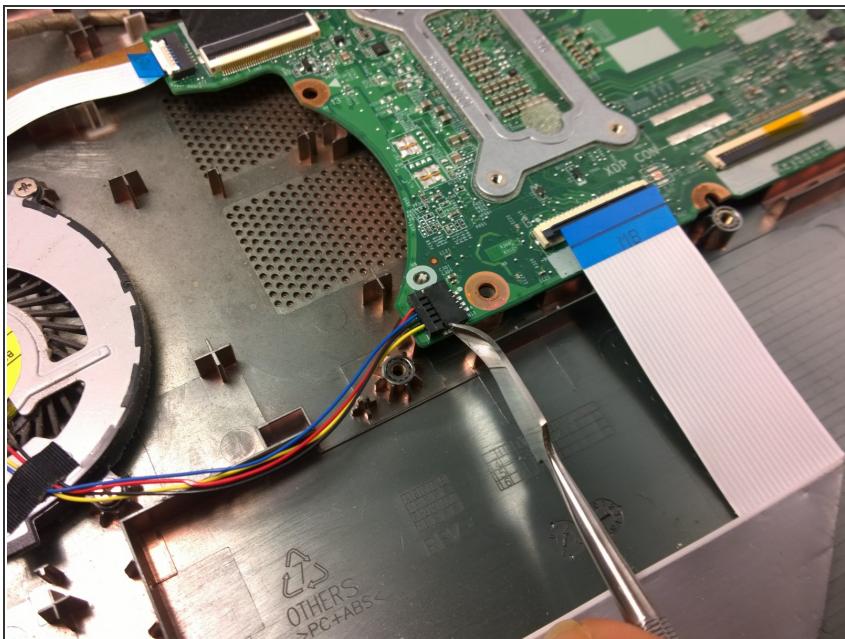
⚠️ The regular black nylon spudger should be used whenever possible, especially around sensitive internal components.

Step 6 — Cooling Fan

- Remove the three 4.5 mm Phillips #0 screws holding the fan in place.

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Step 7

- Gently detach the connector with a spudger and the fan is free to be removed.

⚠️ The regular black nylon spudger should be used whenever possible, especially around sensitive internal components.

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

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