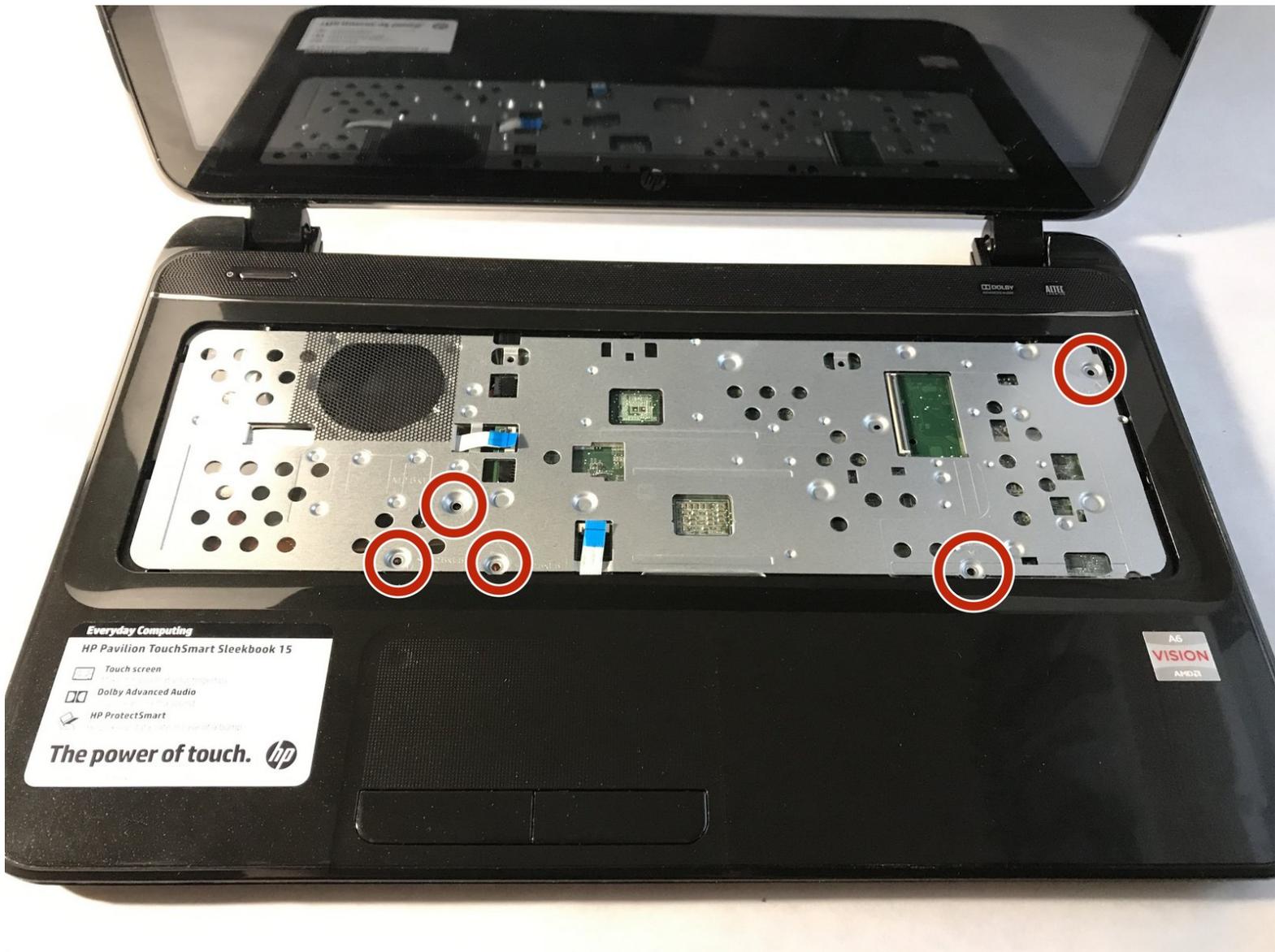




# HP Pavilion 15-b109wm Fan Replacement

This guide will show how to replace the fan inside the HP Pavilion 15-b109wm.

Written By: Stephen Gacioch



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## INTRODUCTION

This replacement guide will show how to replace the fan inside of a HP Pavilion 15-b109wm. This process will take between 30-45 minutes, if done correctly. Remember to take your time and do the steps correctly since you are working near the motherboard.

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### TOOLS:

- [JIS #1](#) (1)
  - [Spudger](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Battery



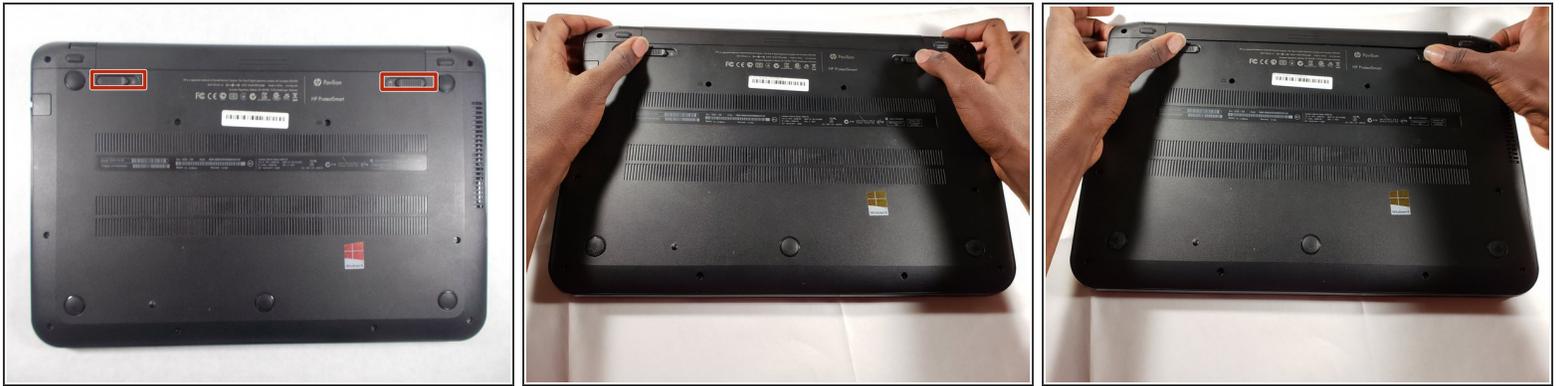
- Power off the device and disconnect from any power source.

## Step 2



- Turn the device upside down and ensure the back of the device is facing you.

### Step 3



- Push both buttons towards one another simultaneously. The battery slightly pops out.

### Step 4



- ⚠ Pull out the battery from the device's battery slot.

## Step 5 — Keyboard



- Use JIS #1 screwdriver to remove the eleven 6 mm screws.

## Step 6



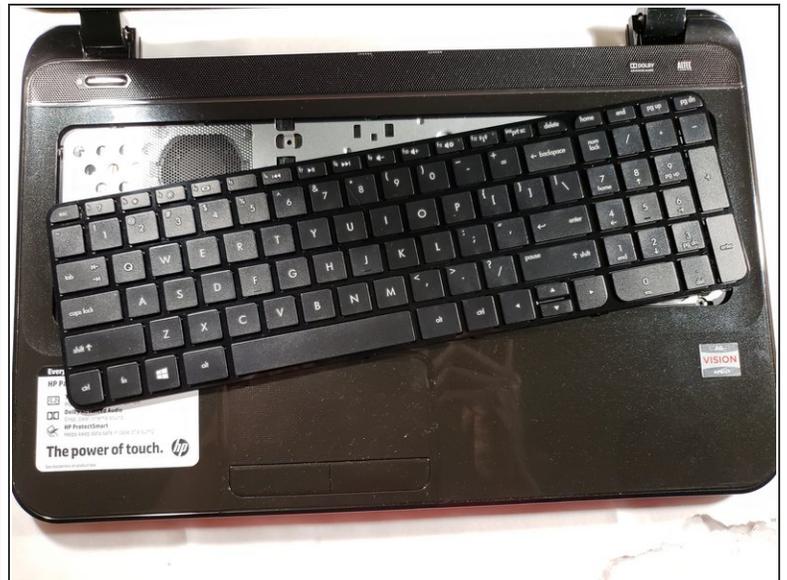
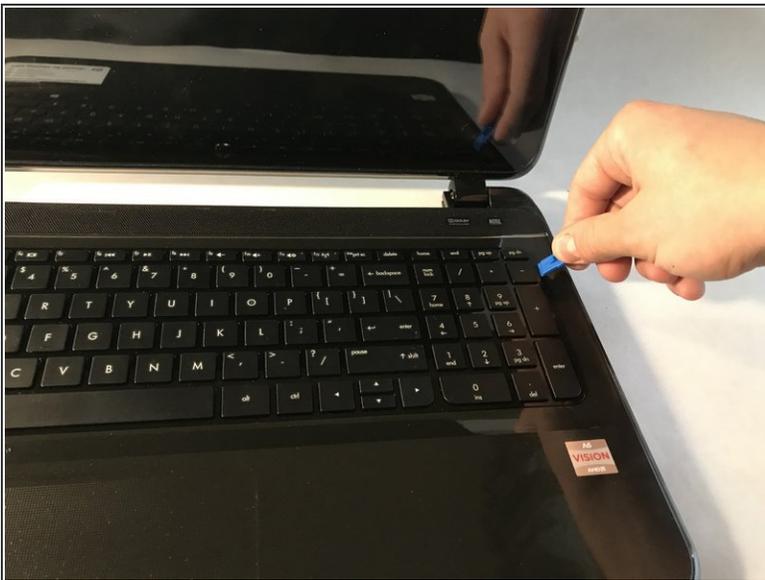
- Locate the two screw holes that allow access to removing the keyboard.
- ⓘ There is a keyboard sign beside both keyboard access holes.

## Step 7



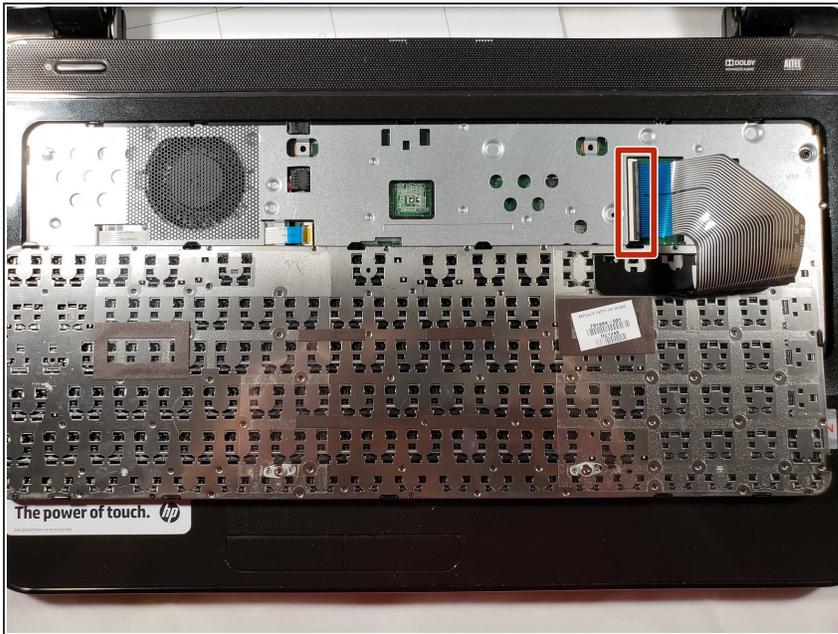
- Turn the device onto its side.
- Using a heavy duty spudger, gently disengage the keyboard.

## Step 8



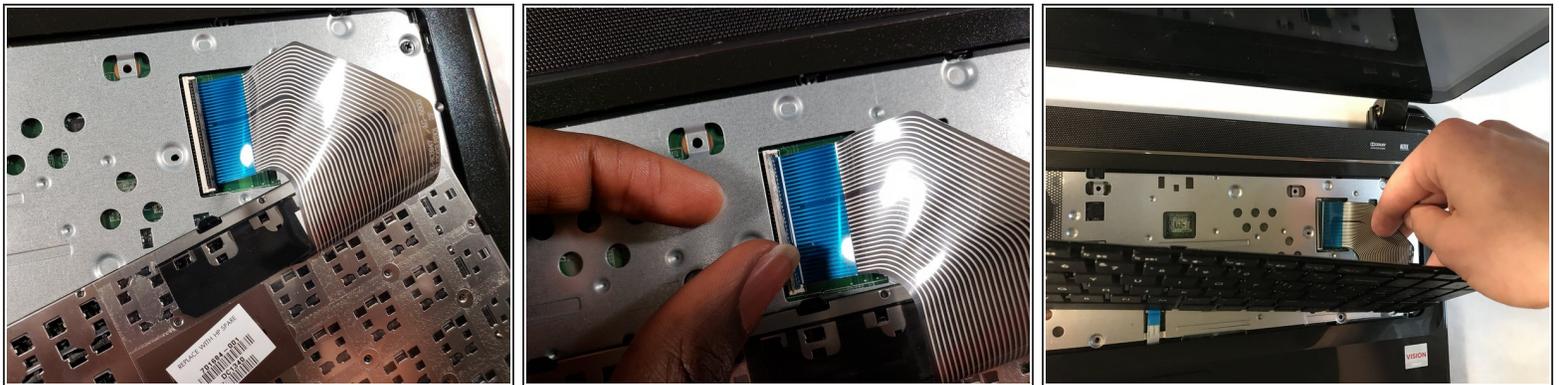
- Using a plastic opening tool, release the keyboard clips.

## Step 9



- Tilt the keyboard to expose the *Zero Insertion Force* connector to which the keyboard cable is attached.

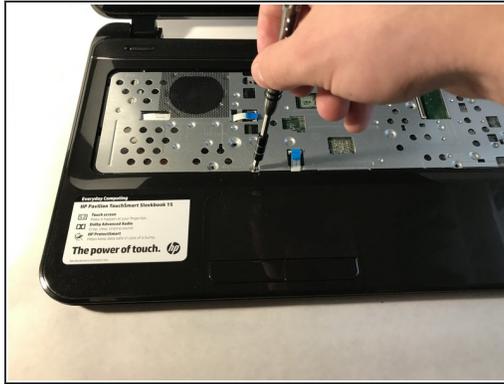
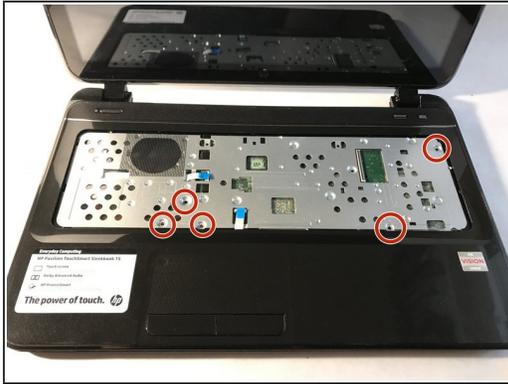
## Step 10



- Disconnect the keyboard cable from the motherboard by detaching the *Zero Insertion Force* connector.

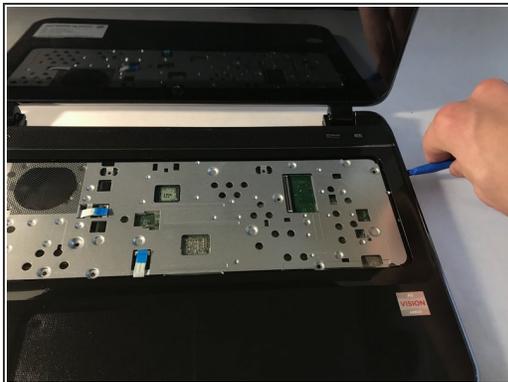
**i** To detach the connector, release by lifting the black plastic tab up.

## Step 11 — Fan



- Using a JIS #1 screwdriver, remove the five 5mm screws.
- Detach the power button cable.
- Detach the touch pad cable.

## Step 12



- Using a plastic opening tool, pry open the top cover.
  - Unscrew the two 5 mm screws using a JIS #1 screwdriver.
  - Gently, pull to detach the fan cable.
- ⚠ Be careful so you do not damage the motherboard.

## Step 13



- Carefully remove the fan from its slot.

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