



HP Pavilion zv5000 Speaker Replacement

Replacing a speaker so that sound and volume returns to device.

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INTRODUCTION

Are you having difficulty listening to media from your speakers? Do your headphones work but when you unplug them, no sound comes out? Have you already tried turning up the volume? If so, replacing the speakers may resolve these issues.

TOOLS:

- **Phillips #0 Screwdriver** (1)
- **Metal Spudger** (1)
- **Tweezers** (1)

Step 1 — Battery



- Make sure that your device is properly shut down and unplugged from any outlet.
- Flip Pavilion over so that the bottom faces up and locate the battery in the bottom left corner.

Step 2



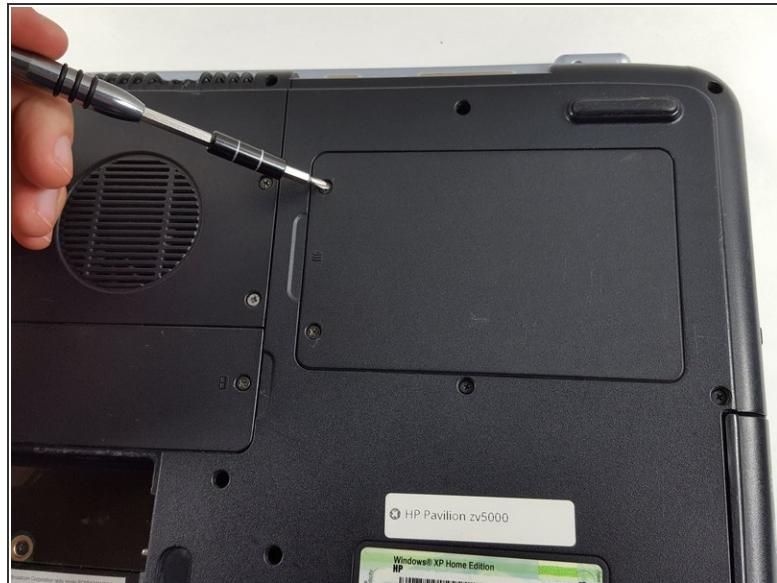
- Press and slide up the battery release tab with your thumb until the battery pops out of place.

Step 3



- Using two fingers, pry the rest of the battery out of the socket.

Step 4 — Hard Drive



⚠ Make sure that the Pavilion is completely powered down and unplugged. Failure to do so may result in an electrical shock.

- Using the Phillips #0 screwdriver, unscrew the two Phillips PM 2.5X6.0mm screws.
- **i** The two screws do not come out of the hard drive assembly, they simply disconnect the assembly from the laptop.

Step 5



- Place the spudger underneath the cover of the hard drive and push up gently until the hard drive pops out of place.
- Completely remove the hard drive from its socket.

i If the plastic spudger is not sturdy enough to pop the hard drive out of place, try carefully using the metal spudger.

Step 6 — Keyboard



- Using a Phillips #0 screwdriver, unscrew all four Phillips PM 2.5X13.0mm screws and place in a secure area until the end of the project.

Step 7



- Flip laptop back over and open as far as it can go.

Step 8



- Use the flat edge of the plastic spudger inserted under the bottom of the strip cover and pry upwards to un-clip the cover, starting at the right and moving to the left.

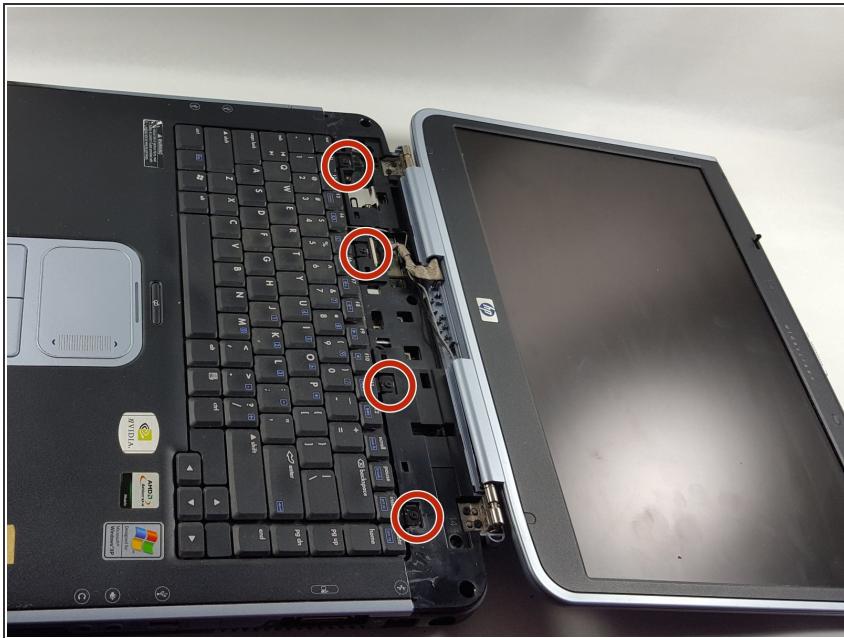
- *i* If the plastic spudger is not doing the trick, try using the metal spudger careful to not pop any keys out.

Step 9



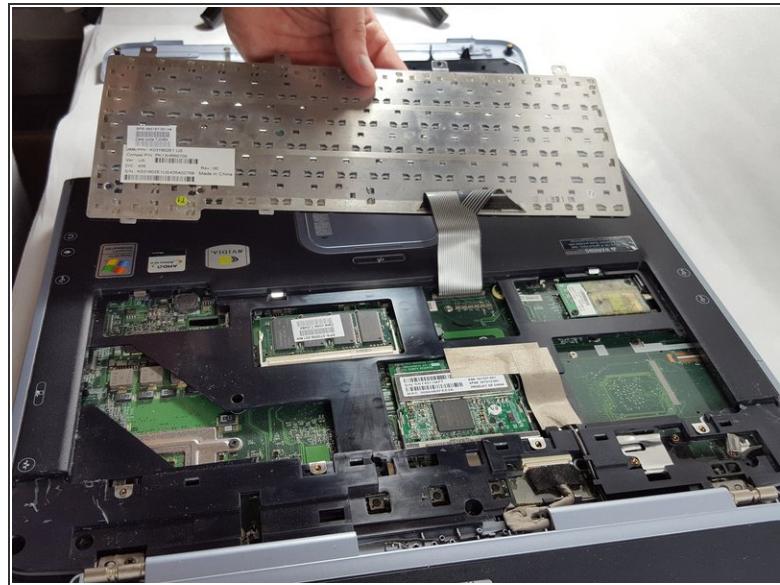
- Use hands to completely lift off the strip cover and remove.

Step 10



- Use the Phillips #0 screwdriver again, unscrew all four Phillips PM 2.5X13.0mm screws from the top of the keyboard and set aside.

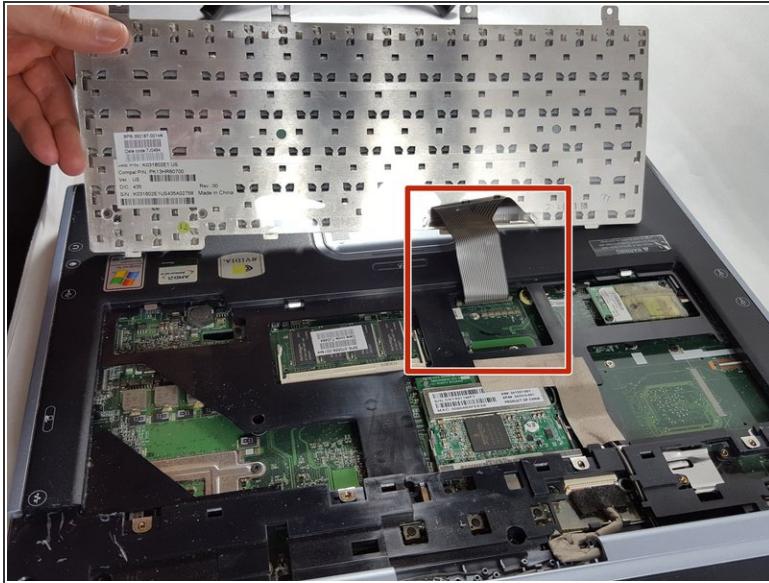
Step 11



- Using your hands, lift the keyboard up from the top towards yourself until the keyboard is resting in your hand.

⚠ Do not aggressively pull at the keyboard for risk of ripping the connector cable.

Step 12



- Gently slide out the connecting cable from the laptop to the keyboard.

 Do not aggressively pull at the connecting cable.

Step 13



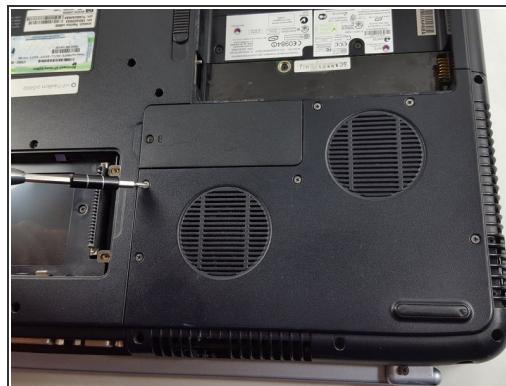
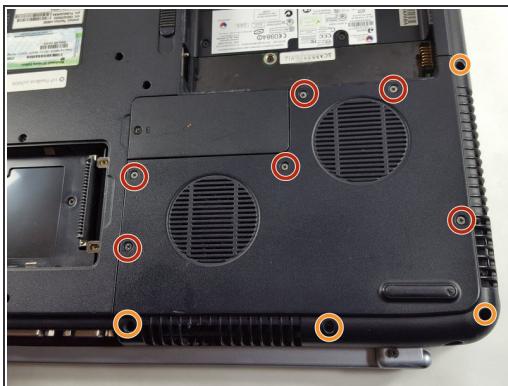
- Completely remove the keyboard from the rest of the laptop.

Step 14 — Screen



- Flip the Pavilion back over on its backside.

Step 15



- Using the same Phillips #0 screwdriver, unscrew the six Phillips PM 2.5X6.0mm screws.
- Also remove the four Phillips PM 2.5X13.0mm screws to remove the thermal plate with the same screwdriver.

Step 16



- Flip the laptop back over and open the lid all the way.
- Using the flat edge of the plastic spudger, pry straight up to remove the Mini PCI Connector Cables from the board.
- *i* Tweezers can also be used to gently squeeze and pull up on the Mini PCI Cable Connectors to remove from the board.
- *★* When reinstalling, place the Mini PCI Connector Cables back in place and gently press straight down until they snap into place.

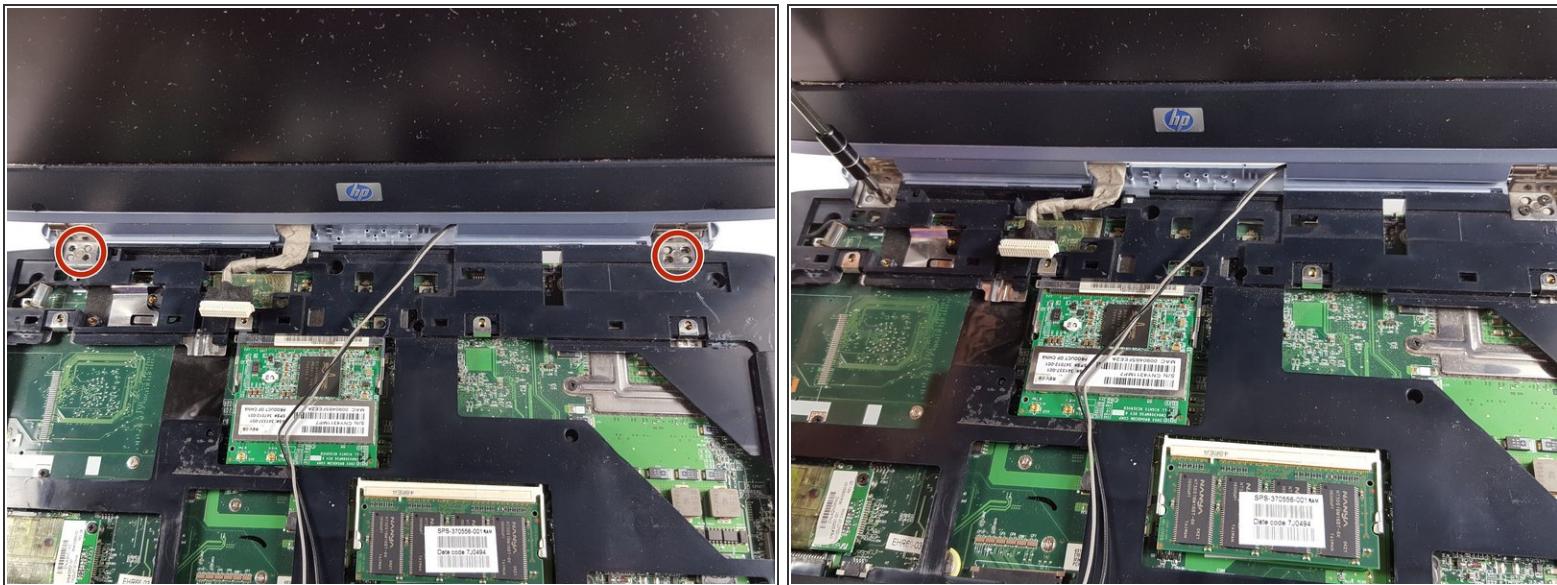
Step 17



- Using the tweezers, gently squeeze and pull backwards on the display cable until it is disconnected.

 To reinsert, simply align the display cable to its proper spot and gently push into place.

Step 18



- Use the Phillips #0 screwdriver again to remove the four Phillips 2.5X13.0mm screws that hold the clips for the screen into place.

Step 19



- Turn the laptop around until the top cover is facing you. Keep the laptop in an open position.
- Unscrew the four Phillips PM 2.5X6.0mm screws using the Phillips #0 that hold the clips of the screen on to the base.

Step 20



- Firmly grasp the top of the screen with your hands and pull towards you and upwards to remove the screen from the base.

Step 21 — Speaker



- Flip the back laptop over so the bottom of the laptop is facing up.

Step 22



- Unscrew the two Phillip PM 2.5X6.0mm screws in the top right that hold the optical cover in place using a Philips #0 screwdriver.

Step 23



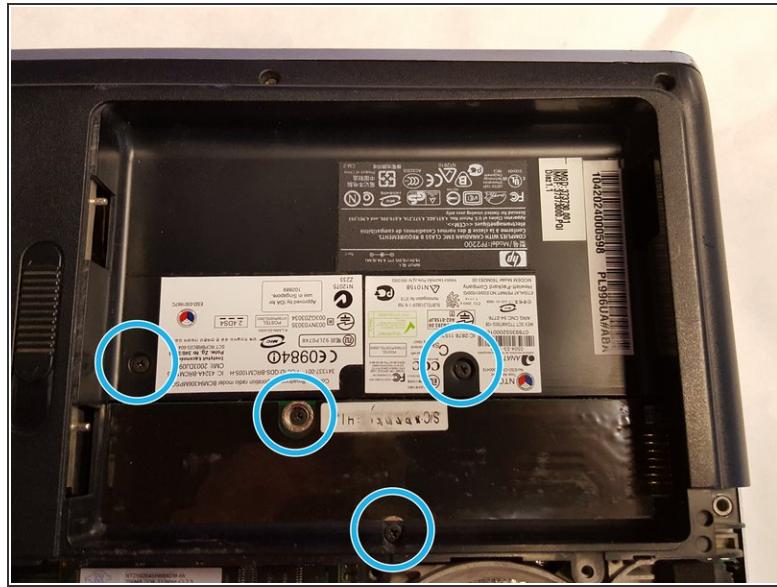
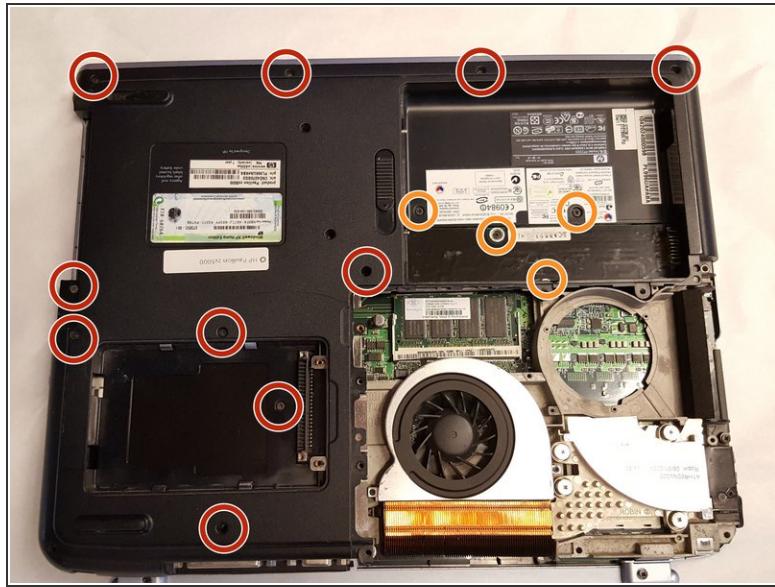
- Use the plastic spudger and insert it into the side of the CD drive and push outwards to pop the drive out of place.
- *i* If the plastic spudger does not pop the CD drive out, try carefully using the metal spudger.

Step 24



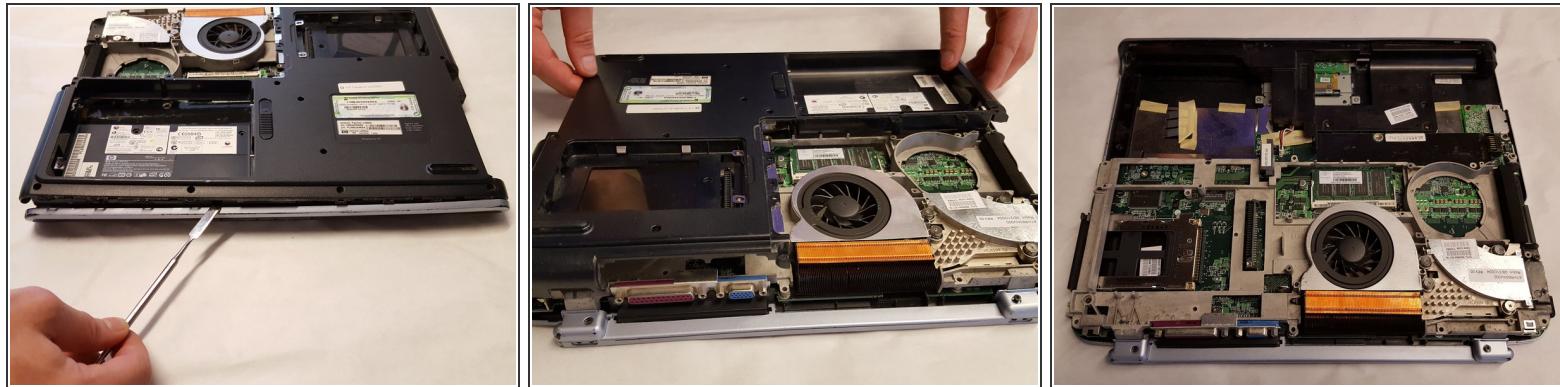
- Using your hands, firmly grasp the CD drive and pull outwards until it is completely removed.

Step 25



- After the CD Drive is removed, return to the back plate of the laptop.
- There are four Philip PM 2.5X6.0mm small screws.
- There are ten Phillip PM 2.5X13.0mm long screws.
- Using the same Philip's #0 screwdriver, remove all fourteen screws.

Step 26



- Insert the plastic spudger into the edge of the base plate and the side of the laptop directly above the battery space and gently pry the base plate loose from its clips moving from right to left.
- Once the clips are undone, lift the base plate up and off of the laptop.

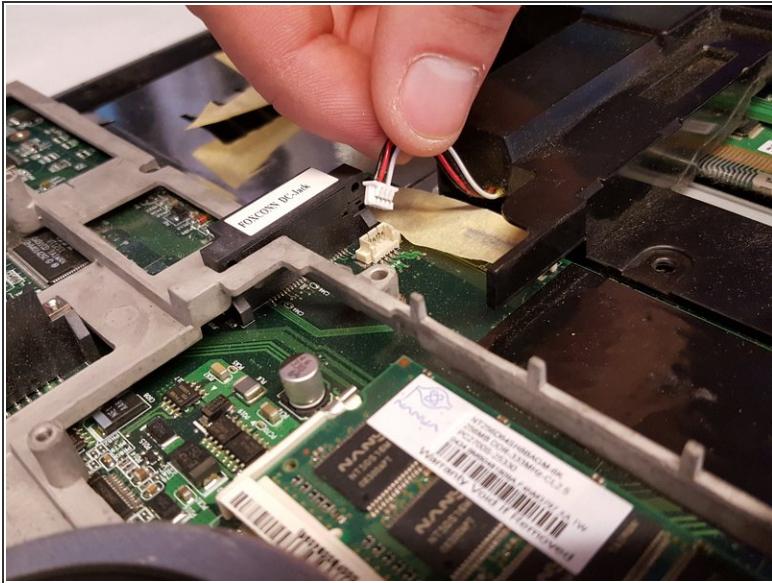
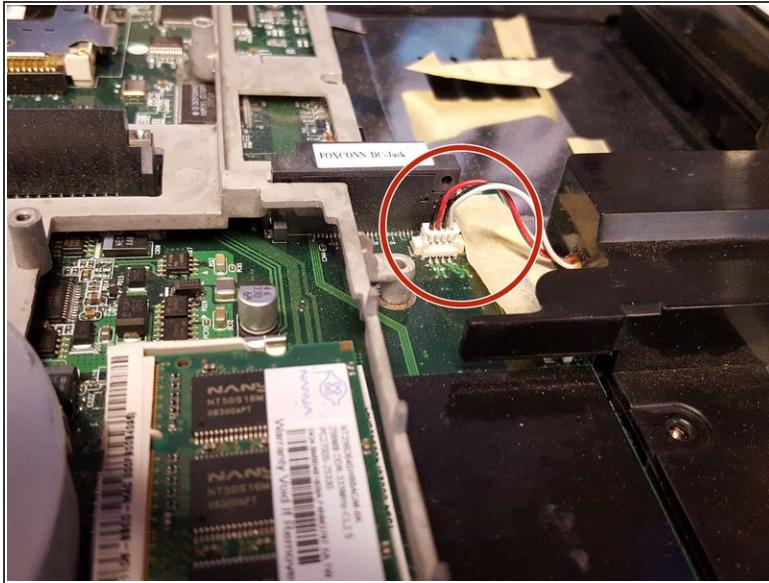
i If the plastic spudger is not sturdy enough to pop the clips out of place, carefully use the metal spudger.

Step 27



- Unscrew the one Phillip 2.5X6.0mm screw using the #0 Phillips again holding the speaker into place but **do not remove speaker**

Step 28



- Using your fingers, firmly grasp the wires that connect the speaker to the board and gently pull the cable away from the connector in the same direction that the wires are running.

! Apply even pulling force to all the wires so that no one wire is overly strained.

Step 29



- Grasp speaker assembly firmly and pull towards you and up to remove the speaker completely from the laptop.

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