



# HP ENVY Rove 20-k014us Fan Replacement

Guide to replace the fan on an HP Envy ROVE.

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## INTRODUCTION

Replacing the fan is pretty straight-forward, just be sure you have purchased a replacement which is compatible with the ROVE. This guide also has several steps make sure you have suitable places to store all the components and screws you will be removing during the process and of course, good luck!



### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [Phillips #2 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Back Cover



**⚠** Working on your device while it's turned on is potentially dangerous and can result in electrical shock. Please make sure your device is completely turned off before you begin disassembling it.

- Flip the device over so the screen is face down.
- i** Make sure the stand is flipped down for the easiest way to work with the device.
- i** Make sure that you put the screen on a clean surface to avoid scratching it.

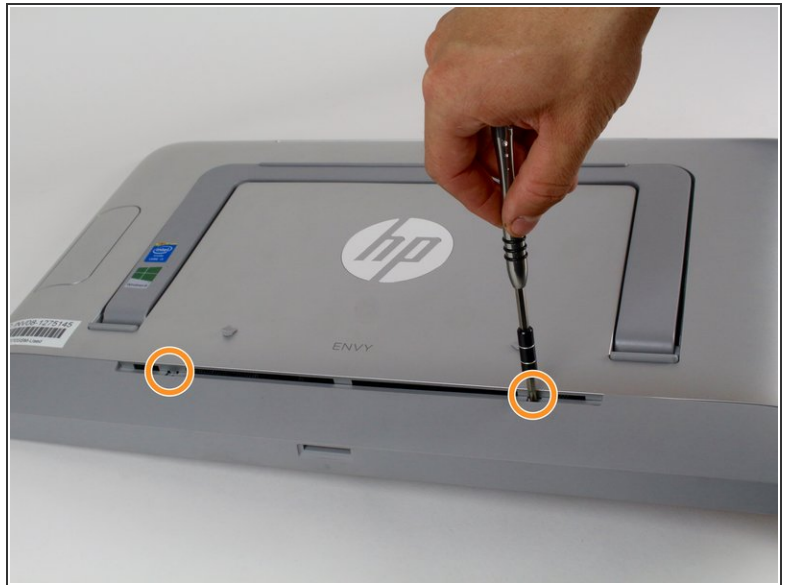
## Step 2



- Remove the SD card in the bottom of the computer by pressing the SD card in, and it will pop out.
- Pull out the SD card completely and set aside.
- i** If you have never put in an SD card into this slot, a dummy one will be there in the slot.



### Step 3



- Remove the two rubber screw covers on the bottom of the plastic cover using the plastic opening tool.
- Unscrew the two 6.35 mm PH#1 screws that were underneath the rubber covers.
- ⓘ The screws cannot be removed, they just unscrew from the interior components of the computer.

## Step 4



- Use the plastic opening tool along the outer rim of the bottom portion of the back panel.
  - Take off this portion.
- i** Removing the cover for the first time requires a bit of force. Use the plastic opening tool to get as much separation as possible before you pull off the cover to help prevent it from cracking.

## Step 5



- Remove three 6.35 mm screw from the back panel using a PH#2 or J1 screw driver.
- Unscrew the two 6.35 mm PH#2 screws. They aren't able to be completely removed and will just be loosened similar to step 3.

## Step 6



- Release the stand by pressing the large button on the left so that it is easier to take the back case off.

## Step 7



- Use the plastic opening tool to separate the silver back cover from the screen body.
- As shown in picture two, use the tool around the stand as well to avoid cracking the cover.
- ⓘ As with the bottom cover, removing the top cover requires some force. Using the plastic opening tool to get as much separation as possible will make your job easier in the long run.

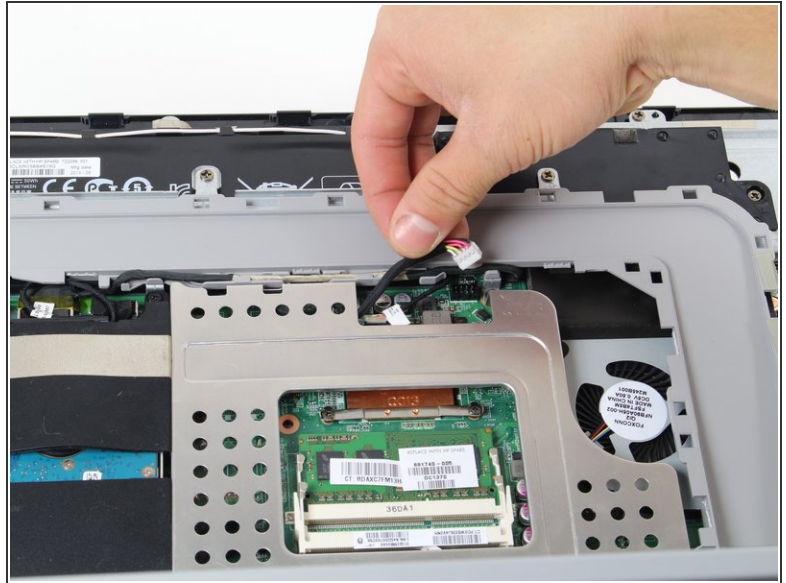
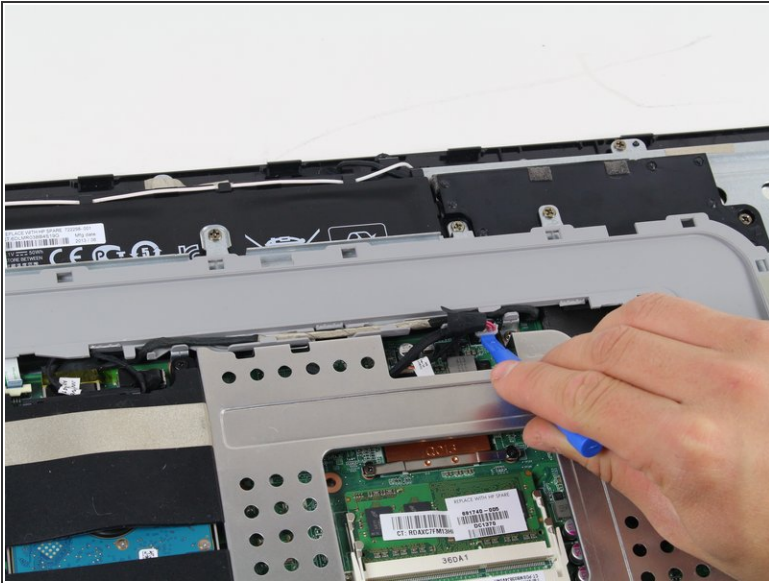
## Step 8



- Slowly apply pressure to the outsides of the cover until it pops out of place.
- Carefully lift the cover away from the computer and untangle it from the stand.
- ☑ When putting the back cover back on, make sure you put the bottom of the cover on first so that the plastic cover sits tightly underneath the bottom of the stand case. Then make sure all the plastic tabs are fully pushed in.
- ☑ Make sure that the power button is aligned when you put the back cover on.



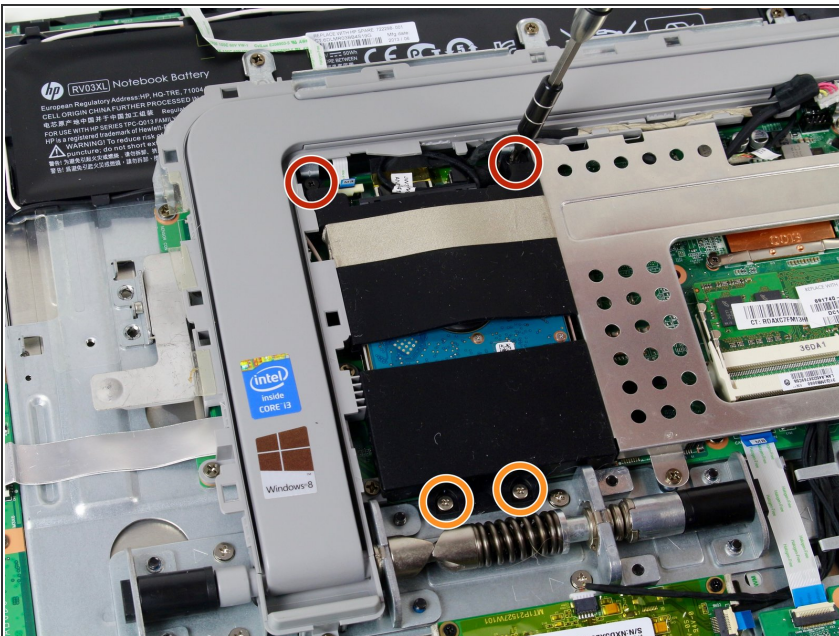
## Step 9



**⚠** Before working on any of the internal components of the computer, make sure the battery is disconnected so there's no power running through the device.

- Disconnect the battery by using a plastic opening tool and taking the cable connection out.

## Step 10 — Hard Drive and Case



- Remove the two black 6.35mm PH #0 screws with a screwdriver from the top of the hard drive.
- Remove the two silver 6.35mm PH#0 screws from the bottom of the hard drive.

## Step 11



- Gently remove the hard drive from the computer.
- Unplug the hard drive.

## Step 12 — Stand Recess



- Release the stand by pushing the grey lever in towards the screen.
- ⓘ Doing this will allow you to access and remove the plastic casing (stand recess) around the stand itself in the next step.

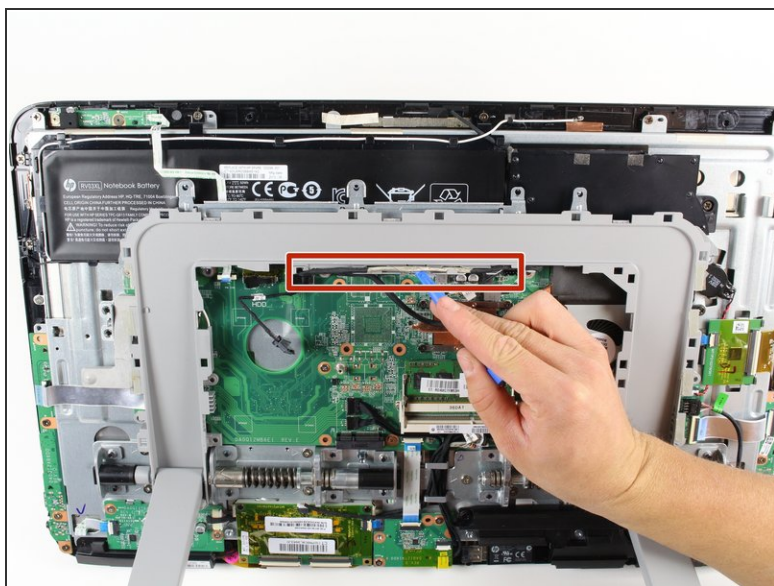


## Step 13



- Remove the fourteen 6.35 mm PH#0 screws around the stand recess and metal cage.

## Step 14



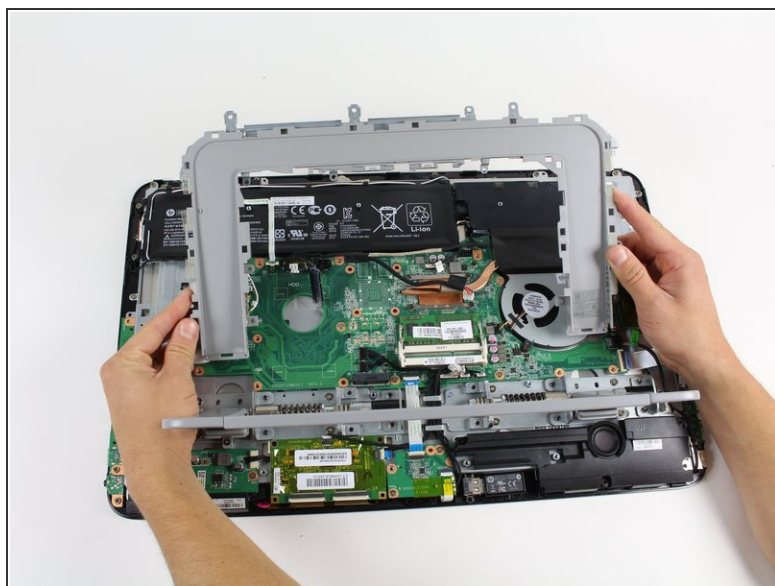
- Gently remove wires from around the stand recess with the plastic opening tool.

## Step 15



- Remove the metal cage.

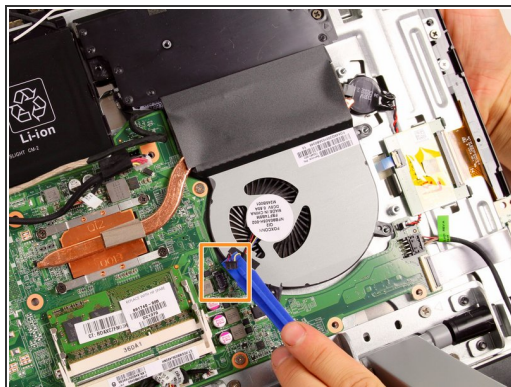
## Step 16



- Remove the stand recess by moving it towards yourself, rotating it about the hinge and then taking it out of the computer.



## Step 17 — Fan



- Remove four 6.35 mm PH#0 screws around the fan using the J1 screwdriver head.
  - Unplug the fan.
  - Remove the fan from the computer.
- i** The black plastic air channel is attached to the fan and will come out as well.

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