



# Sony VAIO PCG-933A Fan Replacement

Cool off for summer, buy a better fan.

Written By: Sara Lillard



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## INTRODUCTION

This repair guide shows how to replace and clean out the fan.



### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
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## Step 1 — Battery



- Turn the laptop upside down
- The battery is located on the front right side of the laptop; the opposite side from the floppy disk drive.

## Step 2



- As shown by the arrow, slide the plastic cover up and then pull out and downwards.
- You should now be able to pull the battery out.

## Step 3 — Keyboard



- Remove the four 16mm Phillips screws bordering the edge of the laptop, indicated here.

## Step 4



- Remove the 4mm Phillips screw on the right rear side of the laptop next to the audio ports.
- This will release the speaker grille.

## Step 5



- Flip the computer back over and open the screen.

## Step 6



- Slide the blue speaker grille (located above the keyboard) to the right and gently pull upward. The grille will still be connected by a white electrical strip.
- Carefully pull out the white electrical strip.



## Step 7



- Remove the 4mm Phillips screw in the center (located to the left of the green strip).
- Carefully pull the green strip straight up to disconnect it.
- The keyboard can now be removed.

## Step 8 — Fan



- Remove the four 4mm Phillips screws around the hard drive.

 **WARNING:** DVD drive is now loose as well

- Carefully lift the hard drive cage out.
- Carefully disconnect the copper strip to pull out the hard drive.

## Step 9



- With the hard drive removed, unscrew the four 6mm brass colored, Phillips screws under the hard drive cage.
- This will allow you to remove the hard drive mounting bracket.

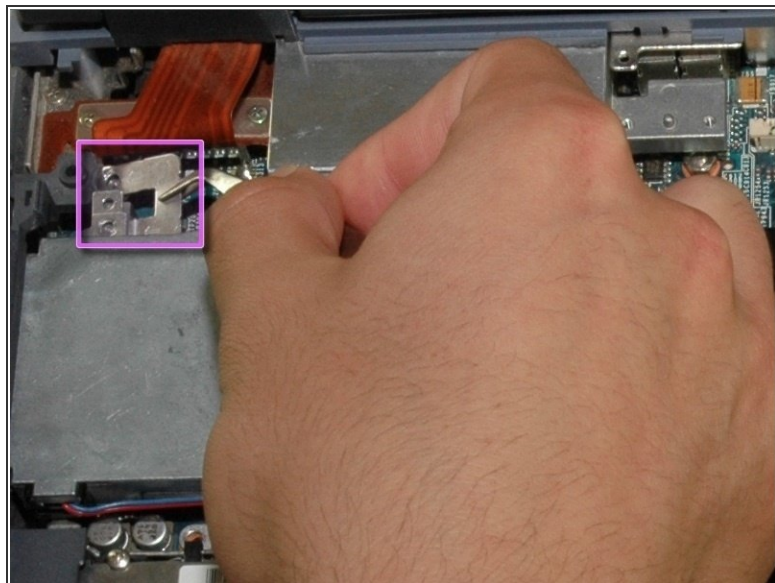
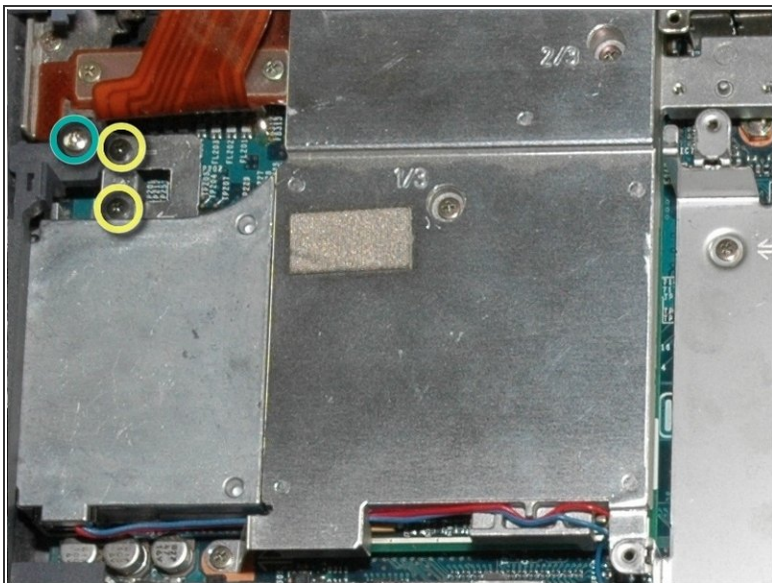
## Step 10



- Remove the three 6mm brass colored, Phillips screws that hold the fan cage in place.

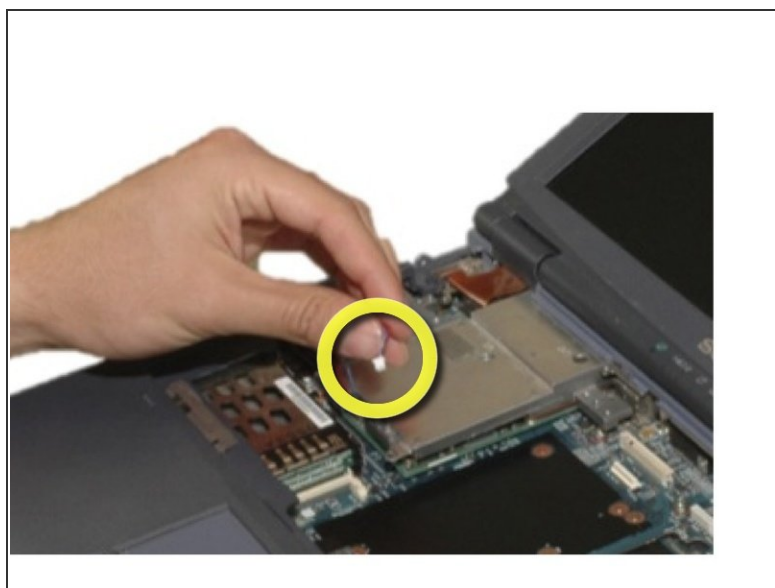


## Step 11



- Remove the two 4mm black, Phillips screws shown here.
- Remove the 18mm silver, Phillips screw shown here.
- Now remove the silver tab.

## Step 12



- Remove the blue and red fan power cords.



## Step 13



- Carefully pull up and out on the metal heat sink and fan bracket.
- The fan can now be cleaned or replaced.

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