



# Sony VAIO PCG-933A Thermal Paste Replacement

How to replace the thermal paste into your laptop.

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# INTRODUCTION

How to replace the thermal paste into your laptop.



## TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [High Content Rubbing Alcohol](#) (1)
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## Step 1 — Battery



- Turn the laptop upside down so that the top is sitting on a flat surface.
- If you are looking at the bottom of the laptop 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 16 mm screws bordering the edge of the laptop using a Phillips #0 screwdriver.

## Step 4



- Remove the 4mm screw on the right rear side of the laptop next to the audio ports using a Phillips #0 screwdriver.

 This will release the speaker grille.

## Step 5



- Flip the computer so the key board is facing up.

## 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. By doing this you will remove the speaker grille.

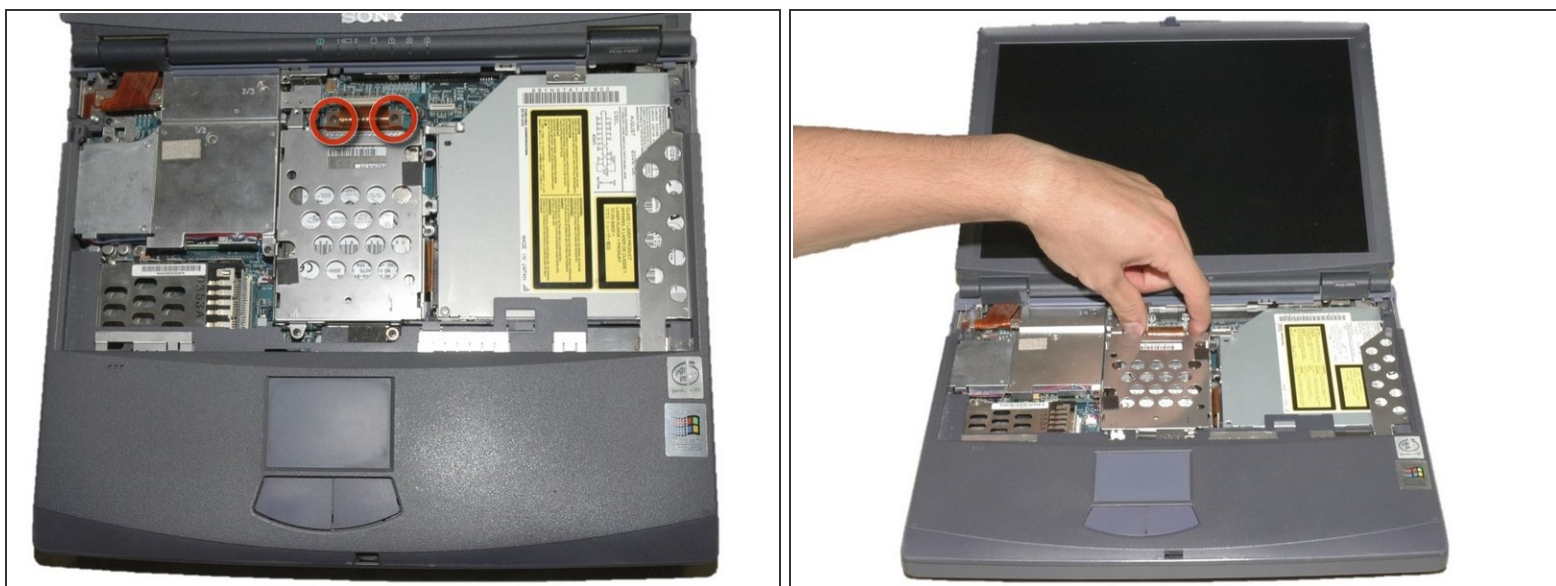


## Step 7



- Remove the 4mm screw in the center using a Phillips screwdriver.
- Carefully and slowly pull the green strip straight up (away from the laptop) to disconnect it. Make sure not to pull too hard to avoid breaking.
- The keyboard can now be removed.

## Step 8 — Thermal Paste



- Remove the two 4mm Phillips screws in the center of the computer located on each side of the copper electrical strip.

## Step 9

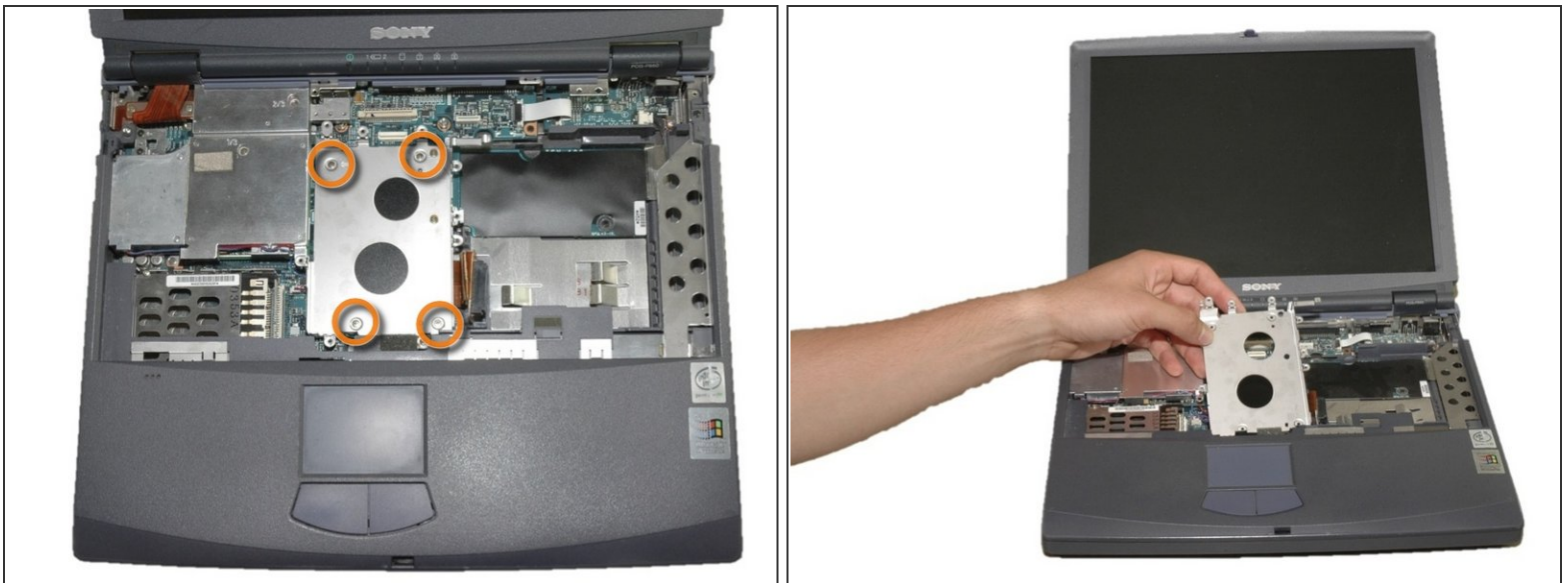


- Remove the four 4mm Phillips screws around the hard drive cage.

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

- Lift hard drive cage straight up.
- Carefully disconnect the copper strip to pull out the hard drive.

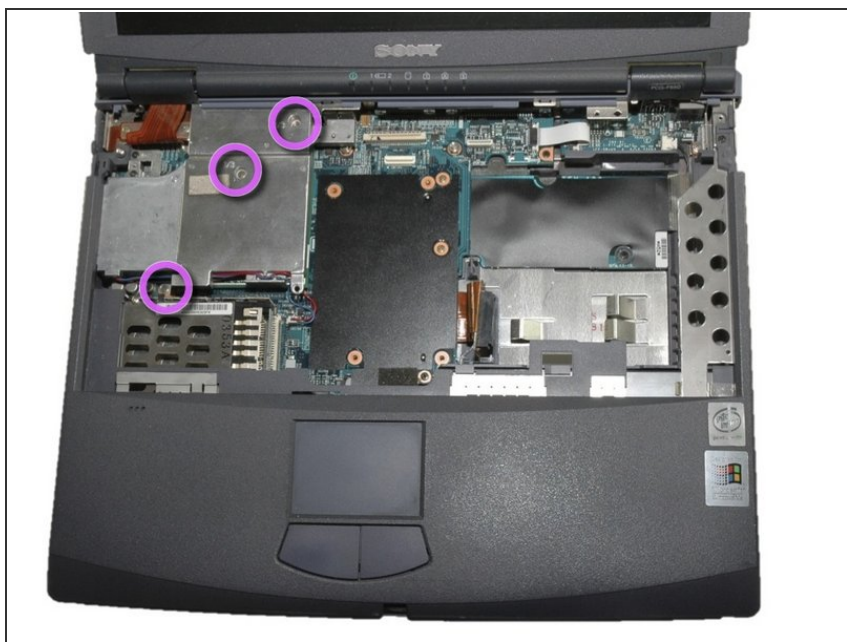
## Step 10



- 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

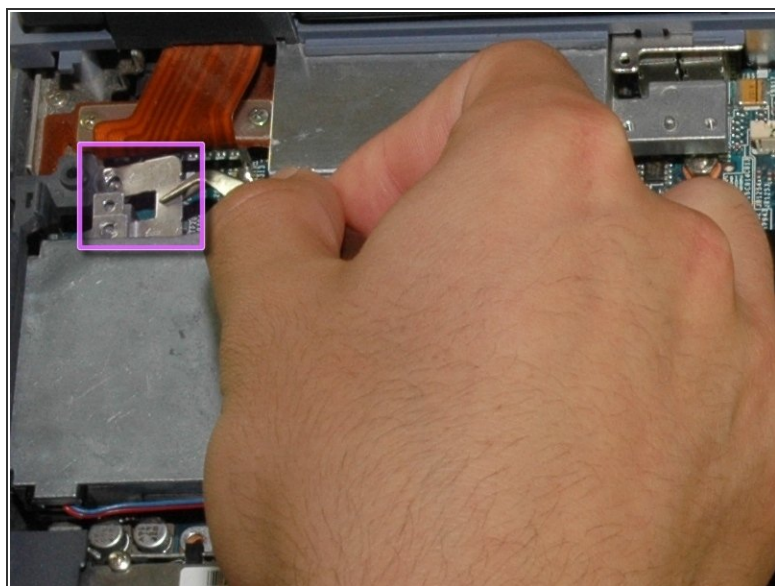
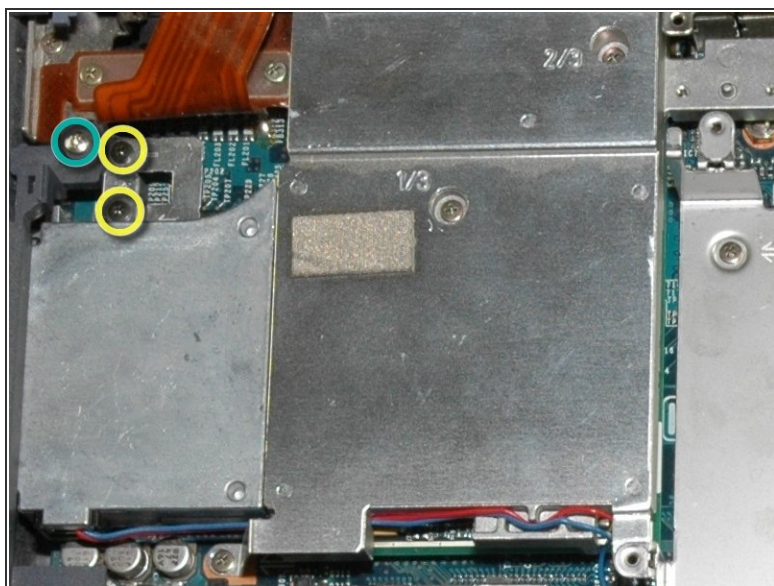


## Step 11



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

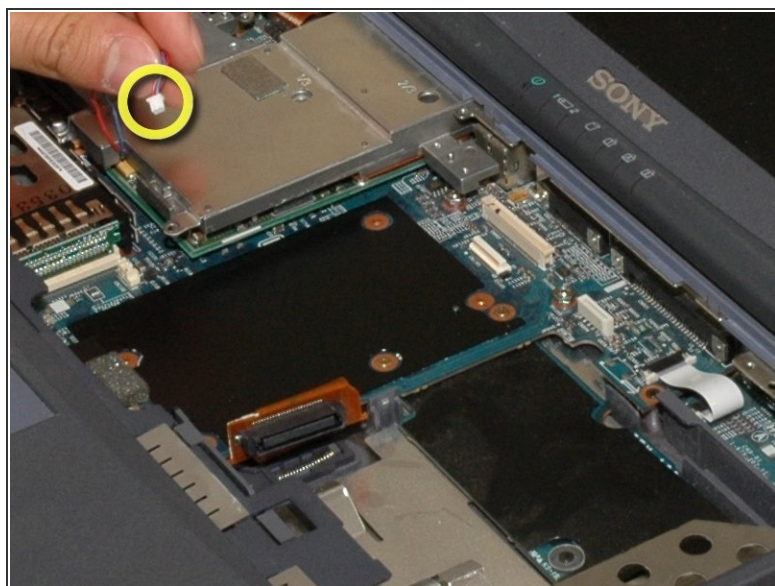
## Step 12



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



## Step 13



- Remove the blue and red fan power cords.

## Step 14



- Carefully pull up and out on the metal heat sink and fan bracket.
- You should be able to see the thermal paste.

## Step 15



- To remove thermal paste thoroughly, put isopropyl alcohol (70% or greater) on a paper towel and wipe thermal paste off. Some force may be required.
- Apply new thermal paste to CPU.

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