



# Sony Vaio PCG-F420 Hard Drive Replacement

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## INTRODUCTION

If your hard drive is broken or you want to upgrade it, follow these instructions to remove it. Replacing or repairing the hard drive requires first removing the keyboard.

**CAUTION: Static electricity in your body can ruin your computer. Use an anti-static wristband.**



### TOOLS:

- [Anti-Static Wrist Strap](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Battery



- The battery is located on the left side of the laptop as shown by the red circle.

## Step 2



- Pull the plastic cover down (indicated by the arrow on the cover) and then swing it upwards to reveal the battery compartment.
- The battery can now be removed by pulling it.



## Step 3 — Keyboard



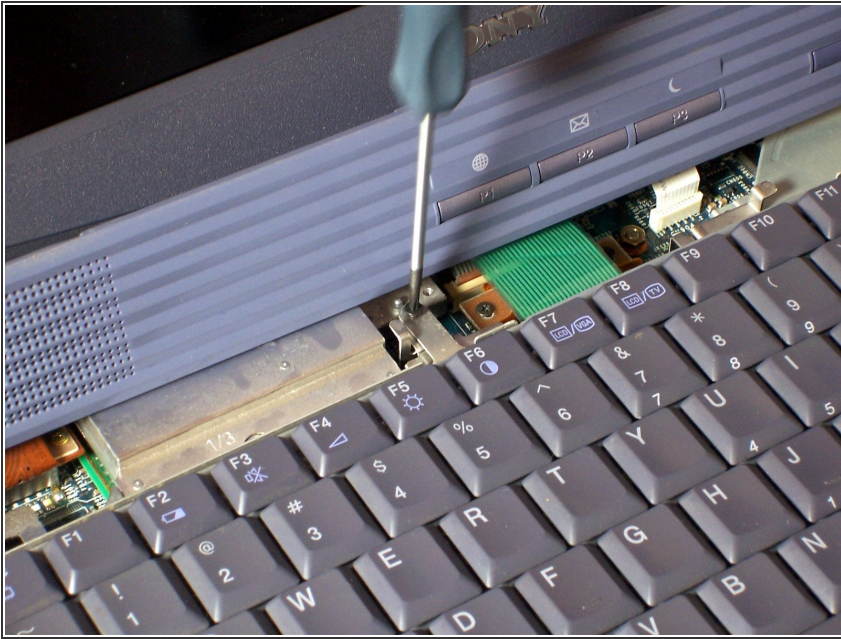
- Use your Philips #00 screwdriver to unscrew the small screw counterclockwise. This screw is for the audio/visual jacks on the left side of the laptop.

## Step 4



- This will unlock the cover between the keyboard and screen. Gently slide it to the right and lift up. Be sure not to pull the keyboard hard as there are still wires attached. These wires will be dealt with in the next step.

## Step 5



- Lift up the cover and lean it against the display so it is out of the way for the rest of the process.
- Remove the small screw above the F6 key on the keyboard. Place screw in container to ensure it won't be lost.

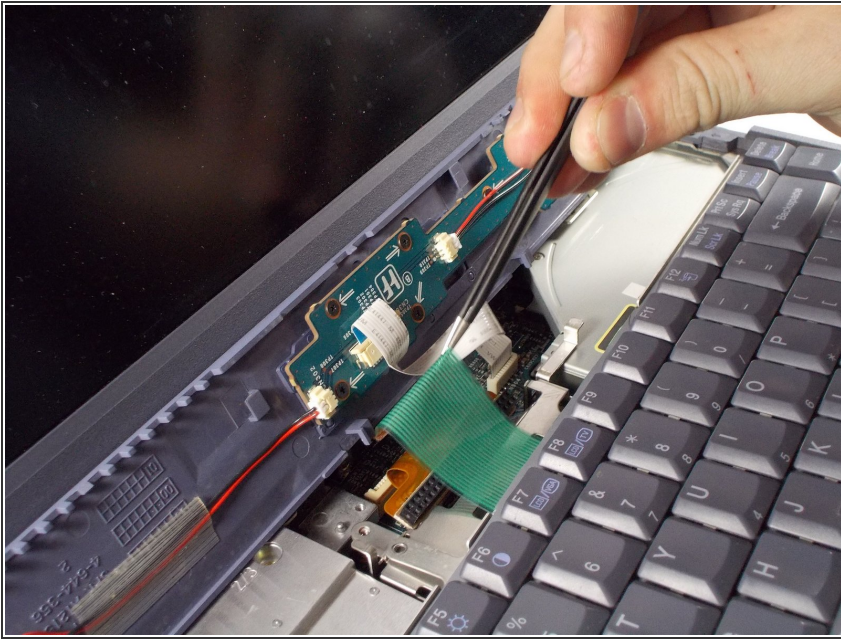
## Step 6



- Find the green ribbon as indicated in the picture by the red circle. This is what connects the keyboard to the motherboard.



## Step 7



- To unplug the ribbon cable, use a pair of tweezers to lift up the white bar near the connection to the motherboard. Only lift up the ribbon lightly to release ribbon from the motherboard.

## Step 8



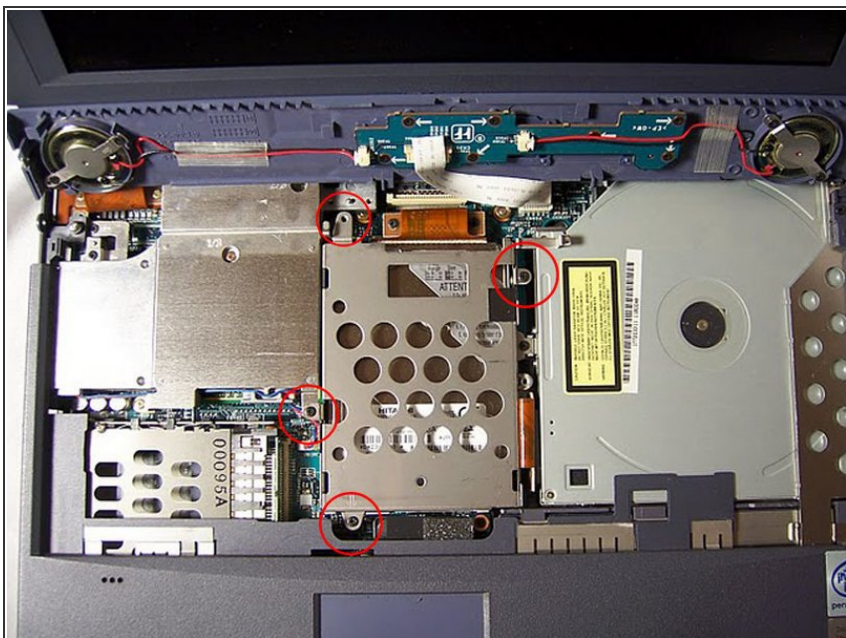
- Now, you can pull on the ribbon cable and it will detach from the motherboard.

## Step 9



- Your keyboard is now safely detached. Necessary repairs or replacements can be made from here.

## Step 10 — Hard Drive

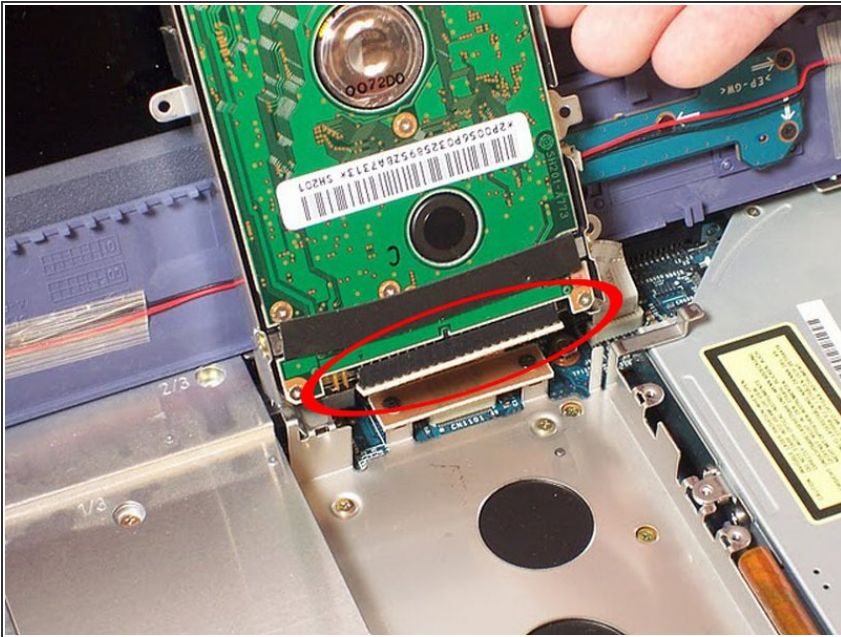


- The hard drive is the metal box in the middle. Use your Philips Head screwdriver to remove the four



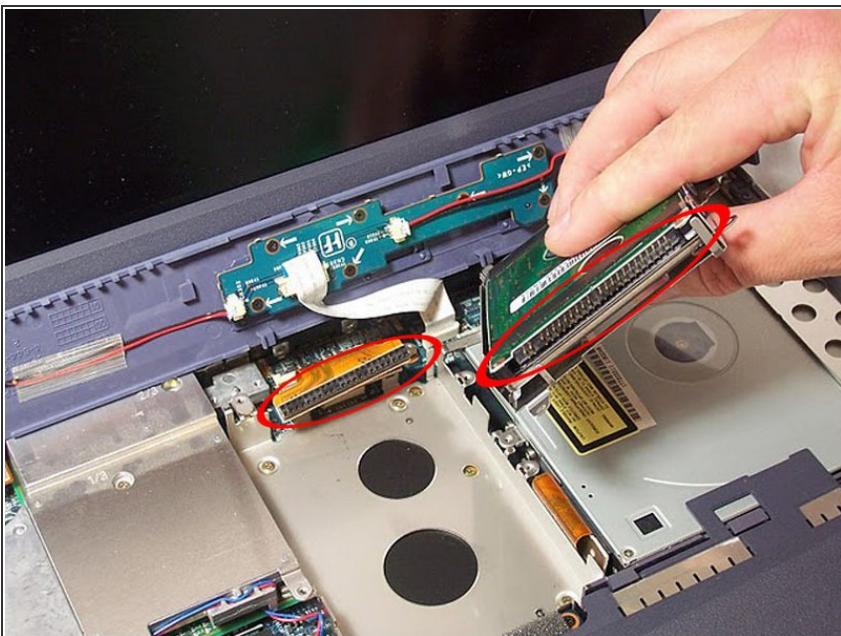
screws that attach the cage to the motherboard.

## Step 11



- The Hard Drive box is now unfastened. You can free it from the laptop by pulling up, but be careful because it is held in place by the surrounding metal pieces so a little strength, yet care, is needed. When free, do not immediately remove it, there is a ribbon cable connecting it to the laptop.

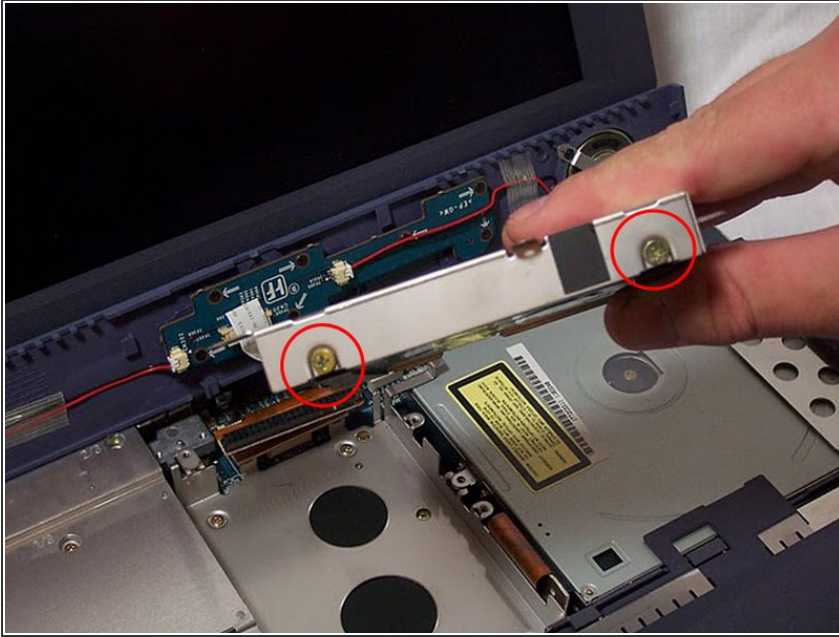
## Step 12



- Slowly pull the hard drive away from the ribbon by holding the plastic connector at the end of the ribbon and pulling on the Hard Drive. The Hard Drive should now be completely free of the laptop and the two connecting ends displayed in the picture should be visible.

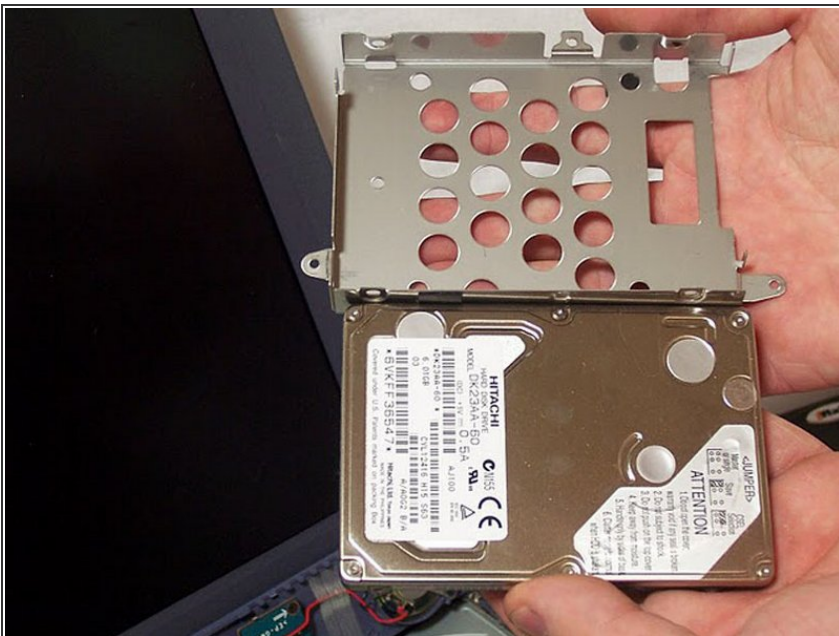


## Step 13



- The hard drive is attached to the metal outer case by four screws, two on each side.

## Step 14



- The Hard Drive is now exposed. You are now free to replace it, clean it, or repair it.

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