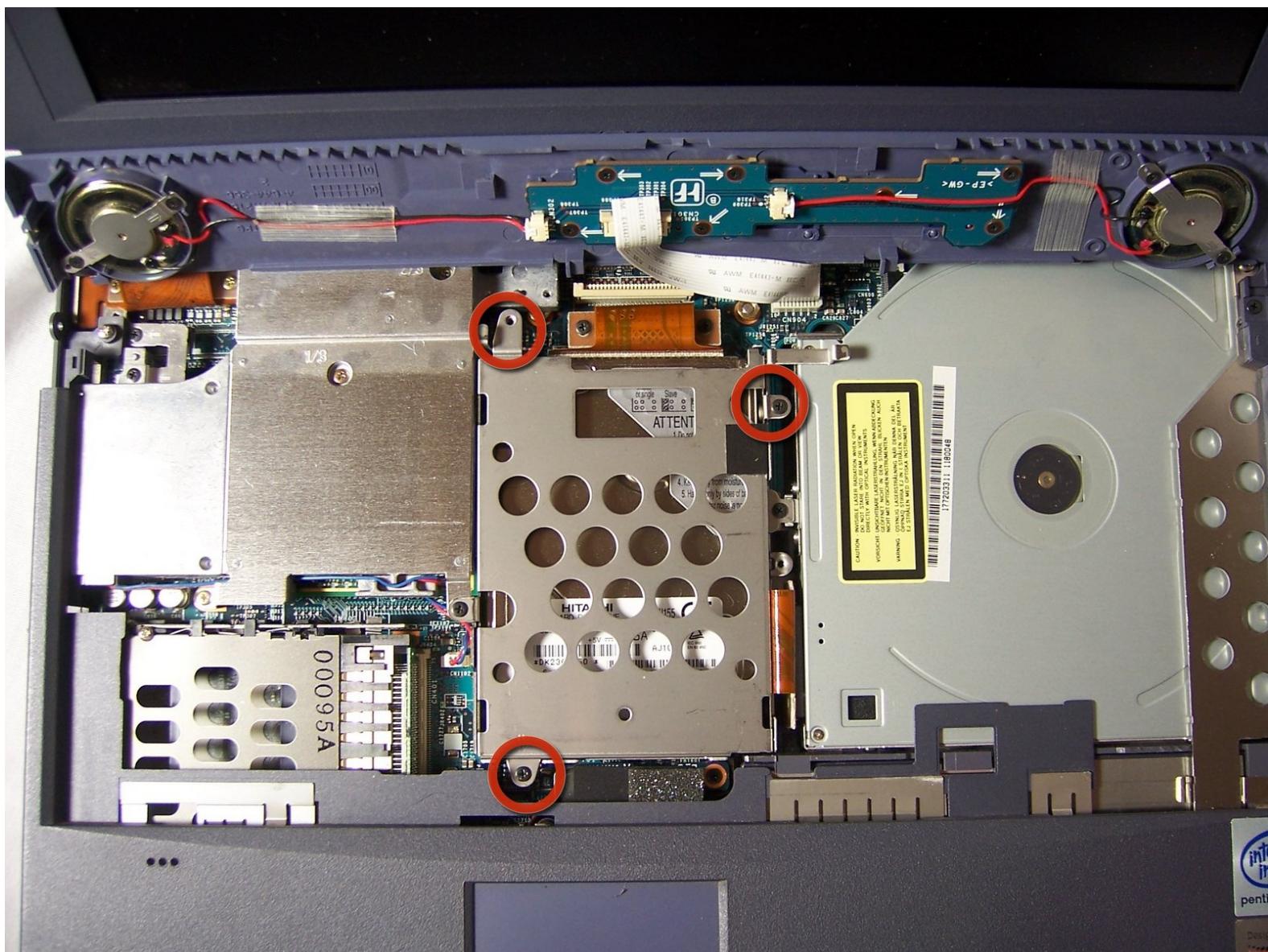




# Sony Vaio PCG-F420 CD/DVD Drive Replacement

Written By: Andrew Quayle



## INTRODUCTION

Replacing the CD/DVD drive involves first removing the keyboard, then a screw will free it from the frame. Then, simply unplug the ribbon cable and pull it out.

**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)
- Tweezers (1)

## 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



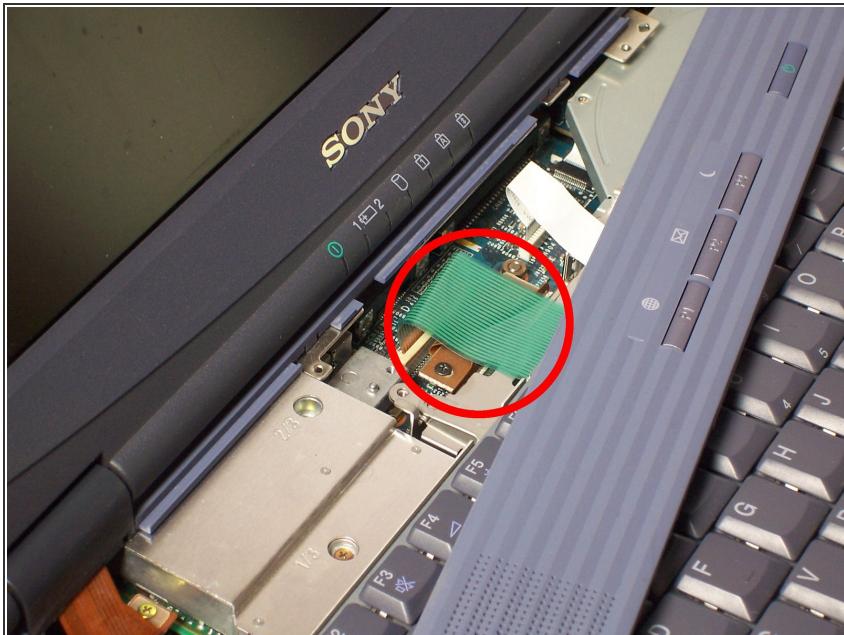
- This will unlock the cover between the keyboard and screen. Gently slide it to the right and lift up. Be sure not to pull the keyboard hard as there are still wires attached. These wires will be dealt with in the next step.

## Step 5



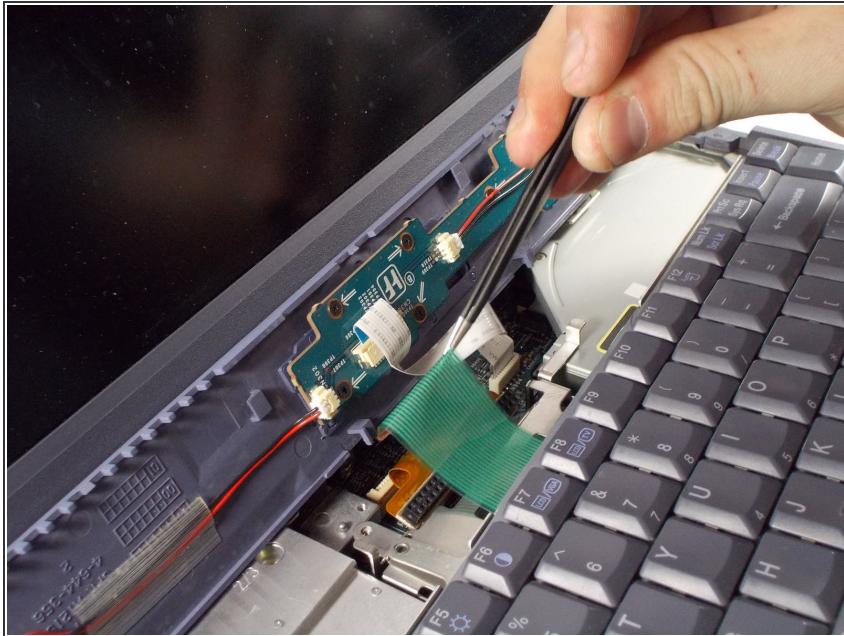
- Lift up the cover and lean it against the display so it is out of the way for the rest of the process.
- Remove the small screw above the F6 key on the keyboard. Place screw in container to ensure it wont be lost.

## 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



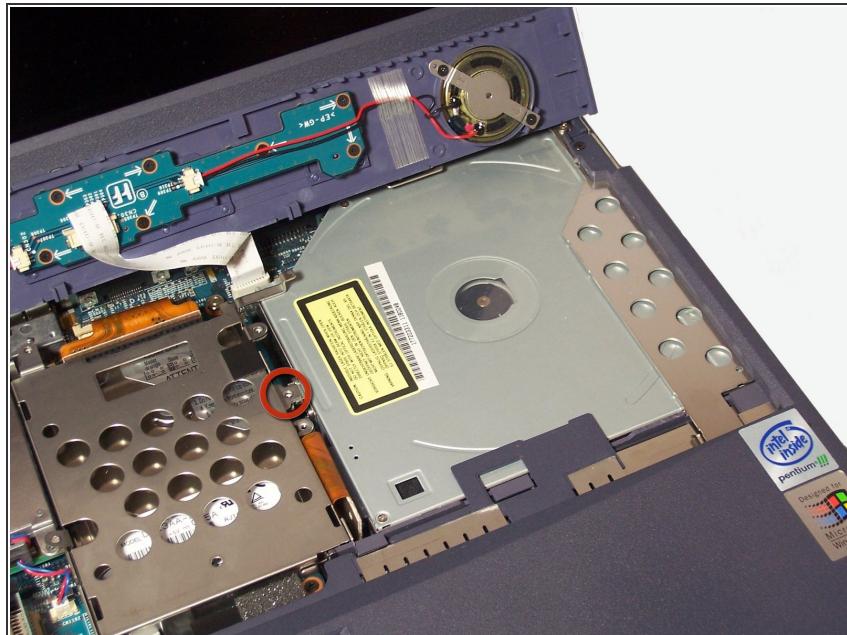
- Now, you can pull on the ribbon cable and it will detach from the motherboard.

## Step 9



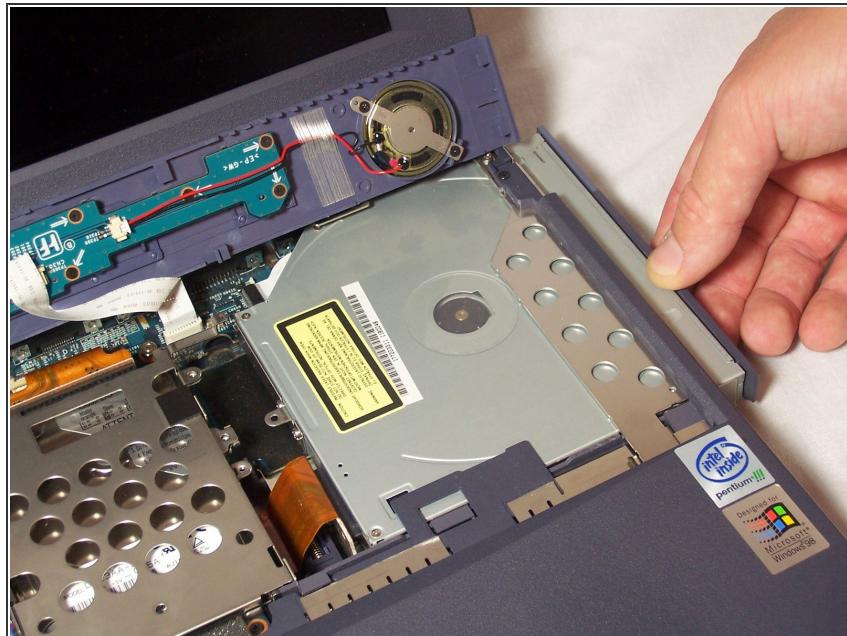
- Your keyboard is now safely detached. Necessary repairs or replacements can be made from here.

## Step 10 — CD/DVD Drive



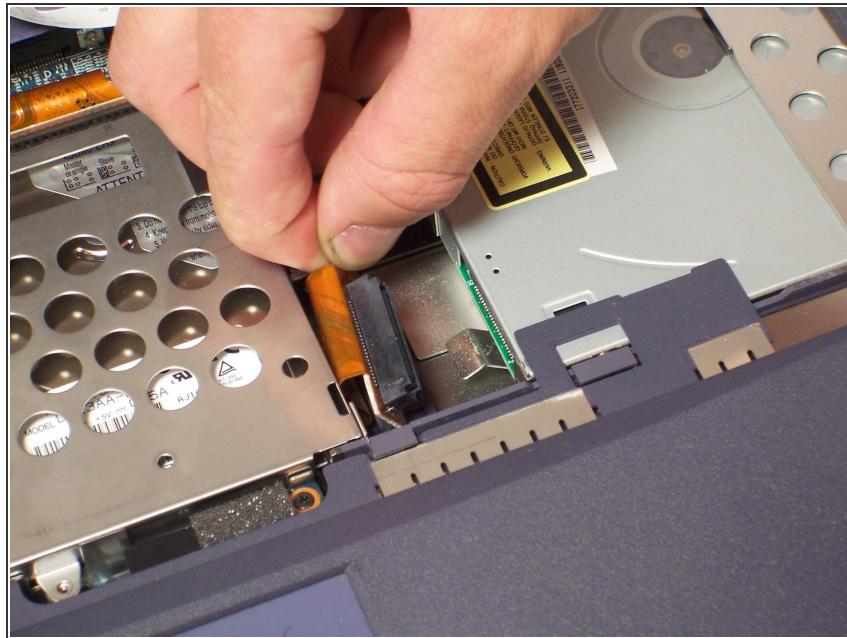
- After removing the keyboard, unscrew (using Phillips #00) the circled screw securing the CD/DVD drive.

## Step 11



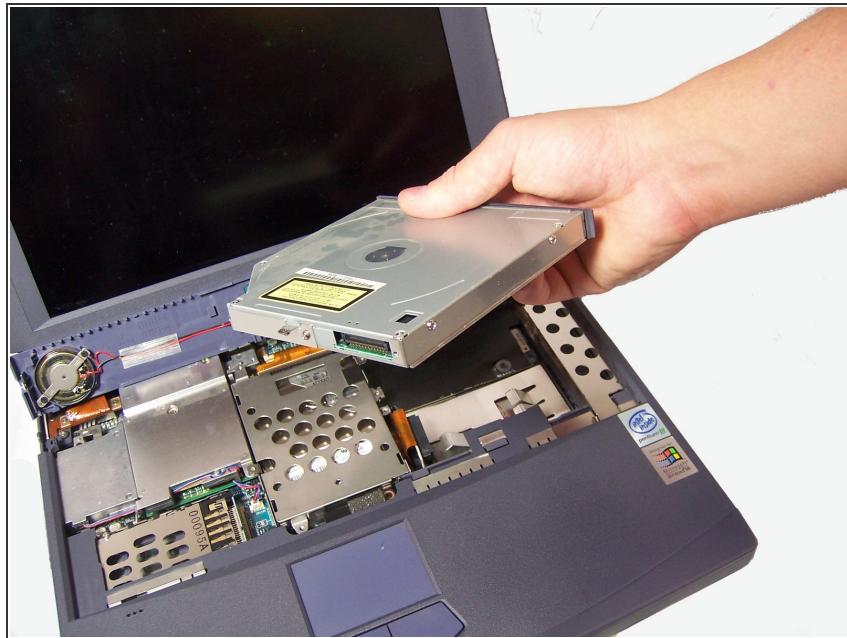
- After unscrewing the CD/DVD drive, gently slide the drive slightly out of the main computer case, as shown. Be careful not to rip off the harness.

## Step 12



- Carefully detach the harness from the CD/DVD drive. Use your fingers if possible, but if not carefully use a pair of tweezers to detach the harness. Take care in not bending any of the pin connections.

## Step 13



- After disconnecting the harness you can now slide the CD/DVD drive fully out of the computer. You can now repair or replace your CD/DVD drive.

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