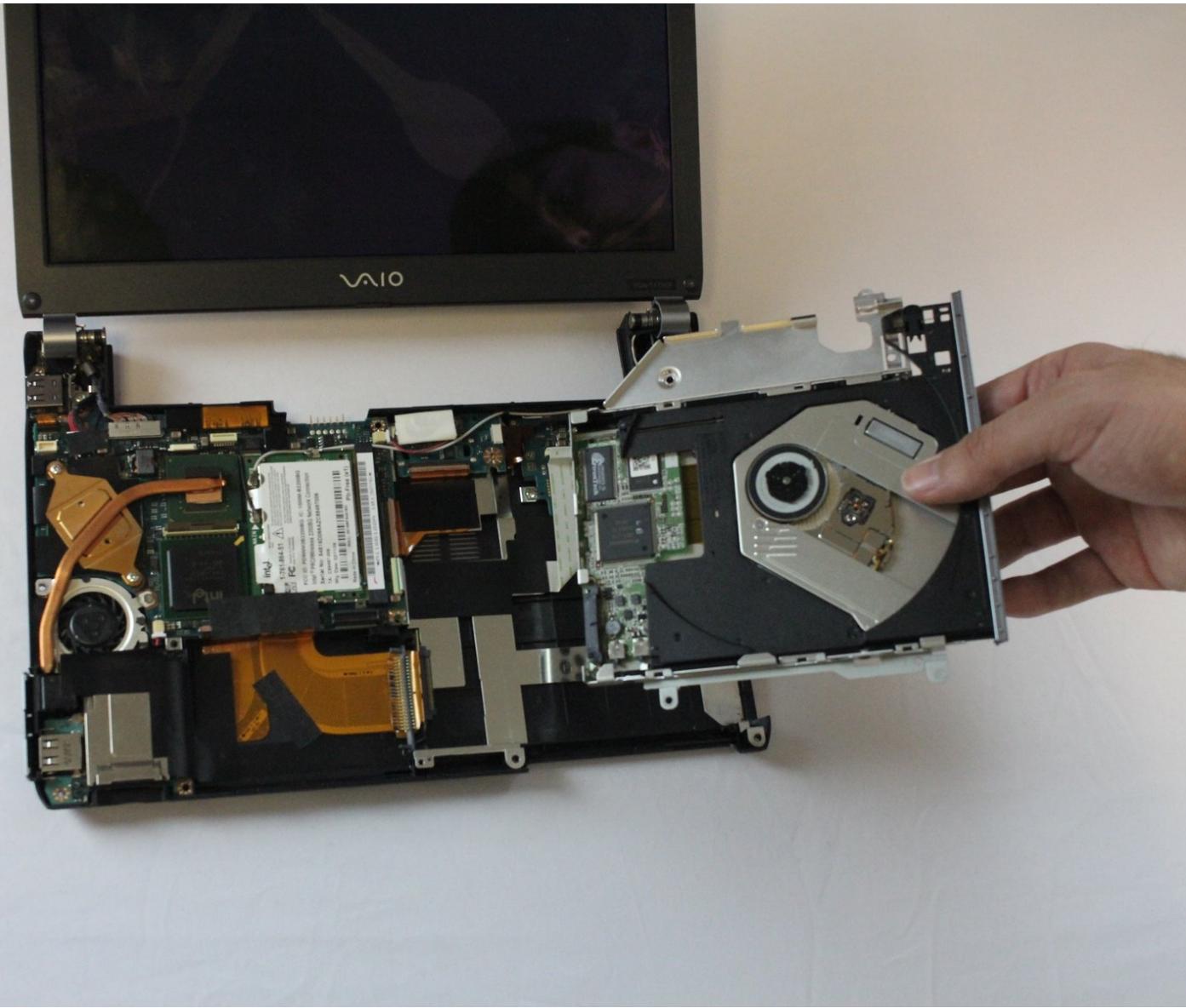




# Sony Vaio PCG-4G1L Optical Drive Replacement

A demonstration on how to remove and replace the optical drive for the Sony Vaio PCG-4G1L device.

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## INTRODUCTION

Common reasons for optical drive replacement: constant reading errors, the drive does not spin, or has become too noisy.

In this guide, you will learn how to replace the optical drive for your device. Please remember to unplug the charging cable, since it could result in electric shock.

## TOOLS:

- [64 Bit Driver Kit \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Tweezers \(1\)](#)

## Step 1 — Battery



- Turn off the computer and disconnect the charging cable.

**!** Failing to unplug the cable can result in electric shock.

## Step 2



- Slide battery release toggle switch towards the "RELEASE" print.

## Step 3



- Apply pressure with your thumb on the grip.
- Pull the battery out while simultaneously holding the battery release toggle switch in the release position.

## Step 4 — Keyboard



- Remove one 5 mm Phillips #1 pan head screw, in the middle of the laptop, using a Bit Driver with Phillips PH1 bit.

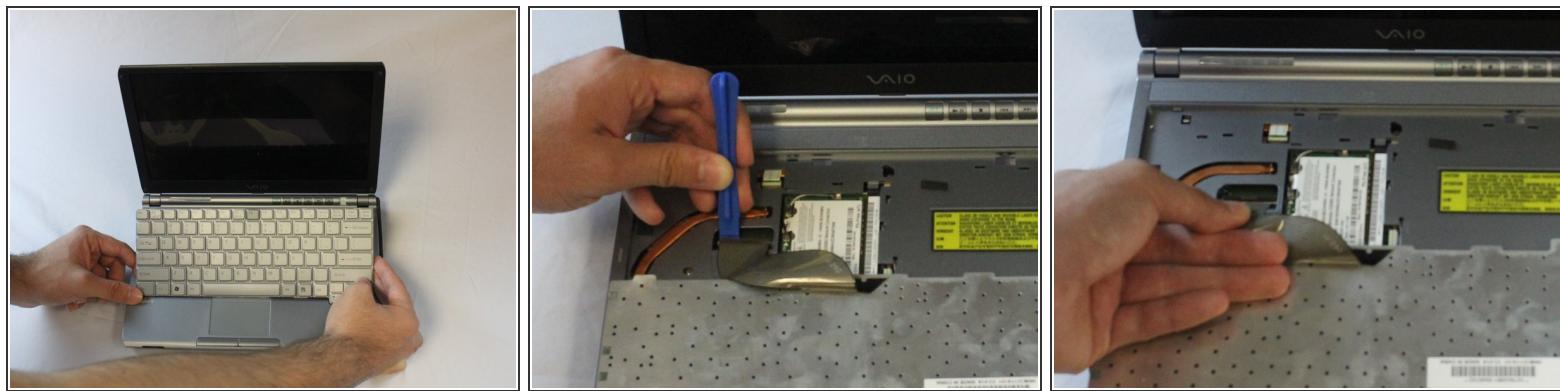
## Step 5



**⚠** Be sure to pry the plastic opening tool under the keyboard, rather than under the keys. Otherwise, some keys could get harmed.

- While using a plastic opening tool, carefully lift the keyboard by inserting the tool under the edge.

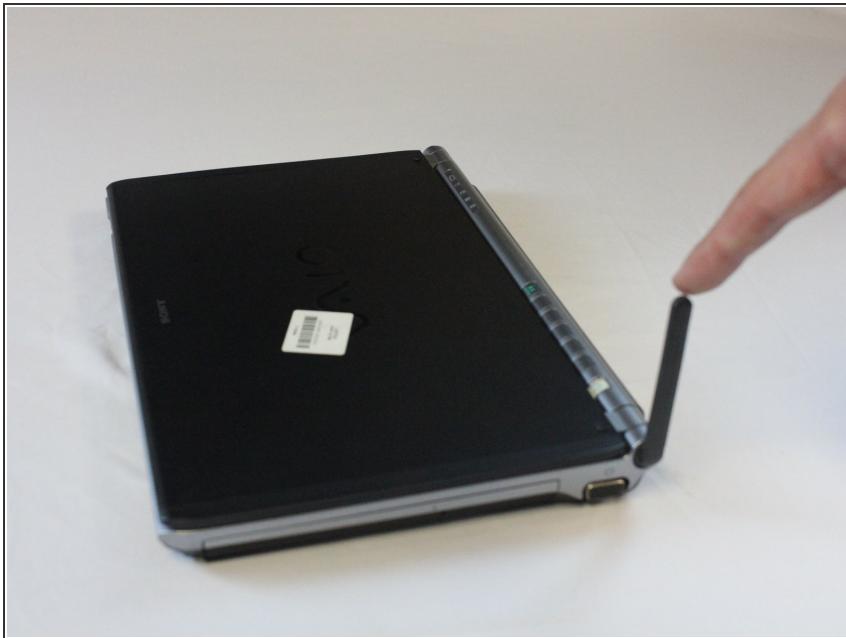
## Step 6



**⚠** Do not pull the keyboard too far away, as a ribbon cable is still attached. Failing to do so can cause damage to the ribbon cable or the connector.

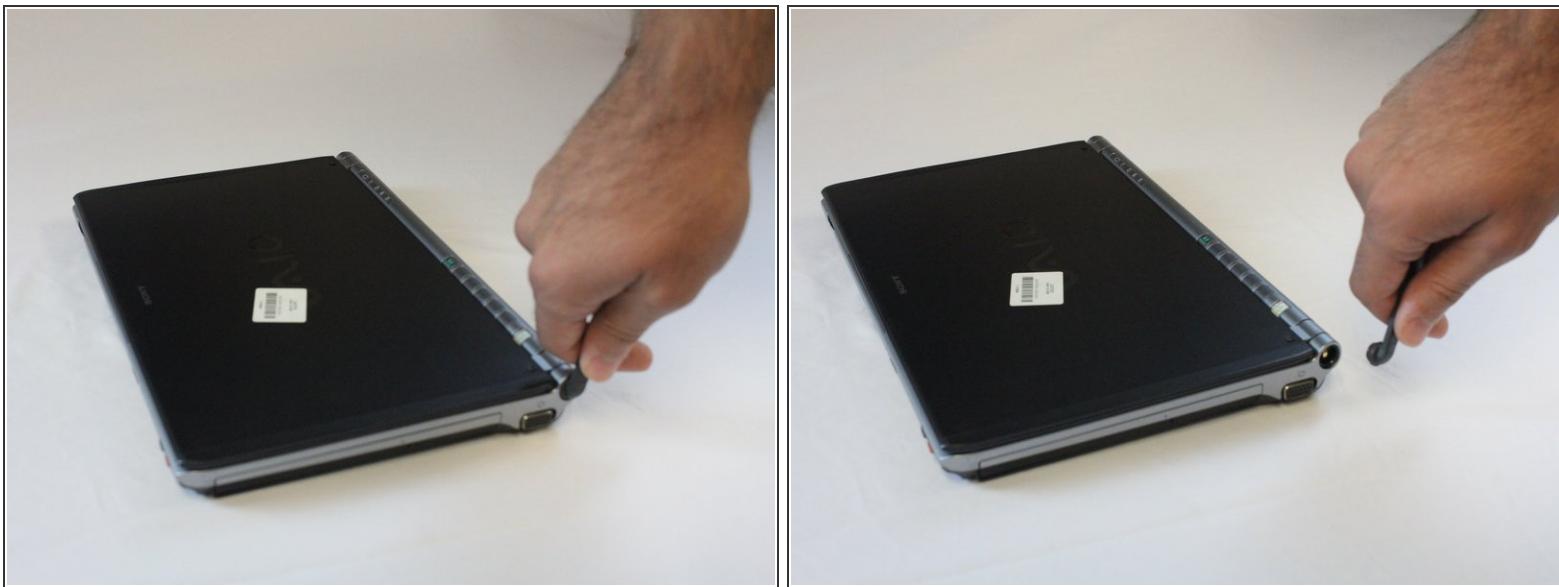
- Use the plastic opening tool to release the clamp.
- Using slight pressure, remove the ribbon cable with your fingers.

## Step 7 — Network Antenna



- Swivel the Network Antenna up so that it points upward.

## Step 8

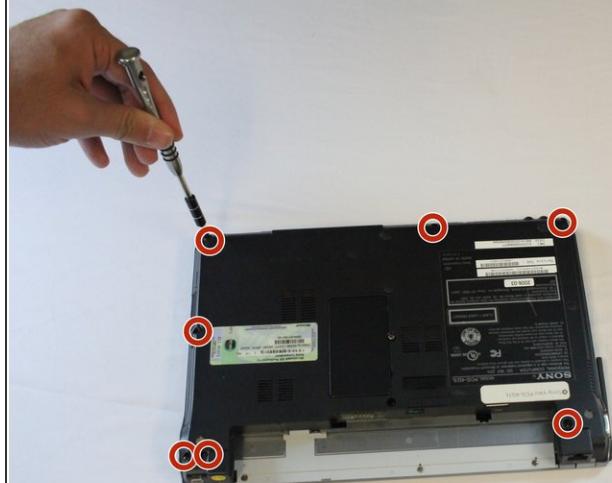


- Pinch thumb and index finger at the Network Antenna's base.

**⚠** Make sure not to bend the Network Antenna. Failing to do so can cause damage to the antenna.

- Pull the Network Antenna off.

## Step 9 — Plastic Casing



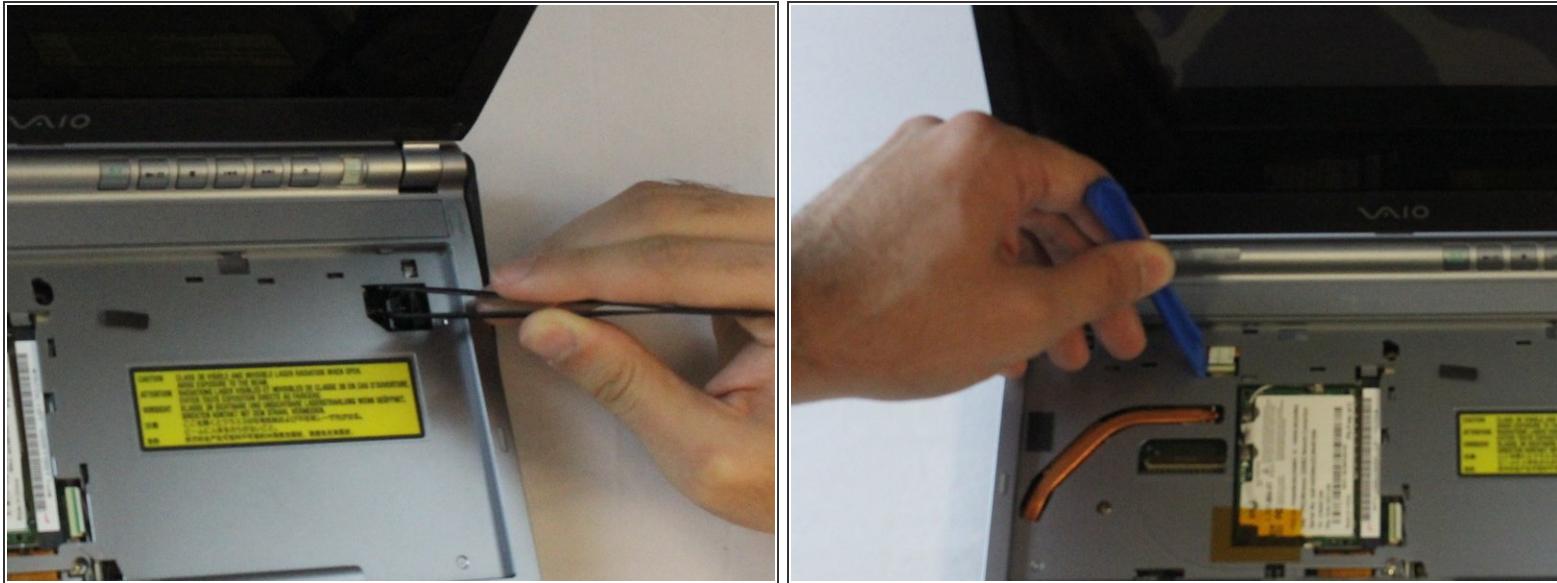
- Remove seven 5 mm Phillips #1 pan head screws with a Bit Driver, using a Phillips PH1 bit.

## Step 10



- Remove one 7 mm Phillips #1 Pan Head Screw by using a Bit Driver with Phillips PH1 bit.

## Step 11



- Disconnect the cable by using the precision tweezers.
- Slowly pry out the ribbon cable by using the plastic opening tool.

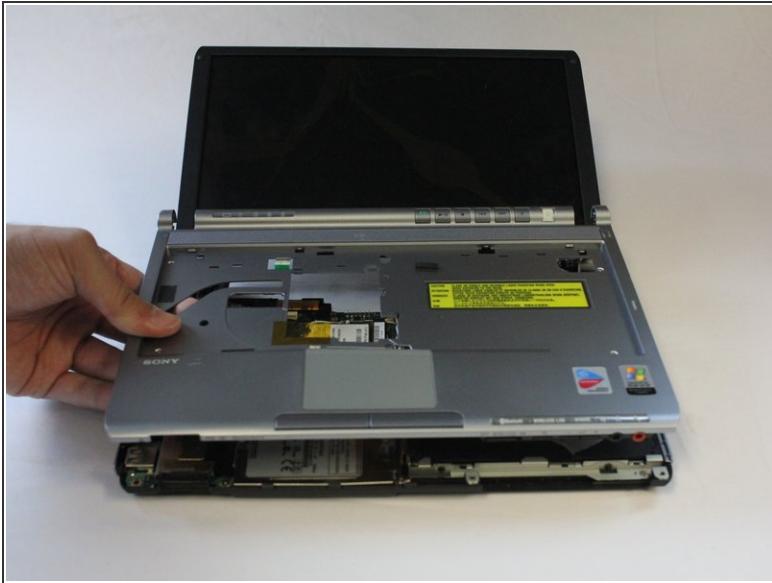
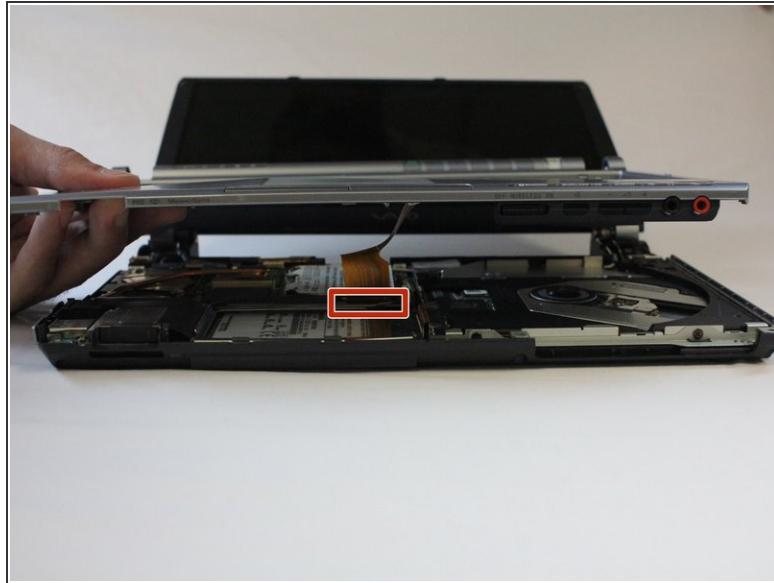
## Step 12



 Do not pull the plastic cover too far away, as a ribbon cable is still attached. Failing to do so can cause damage to ribbon cable or the connector.

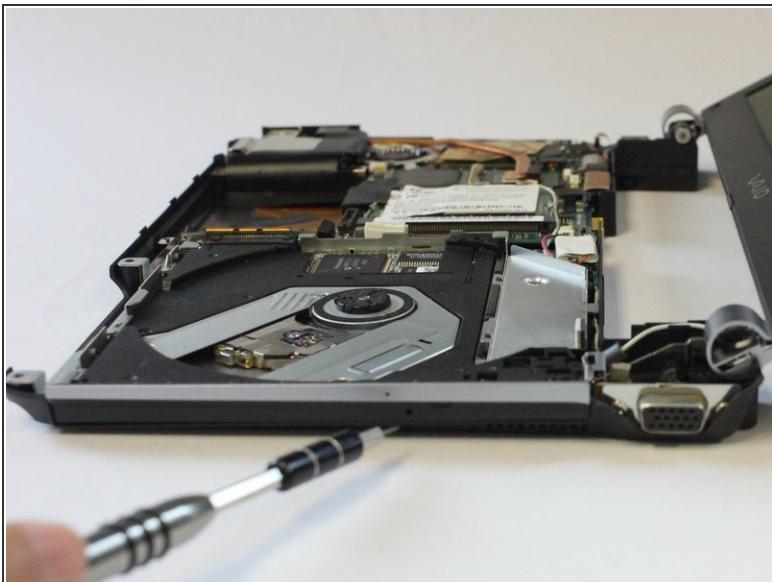
- Remove the plastic cover by inserting the plastic opening tool around the edge.

## Step 13



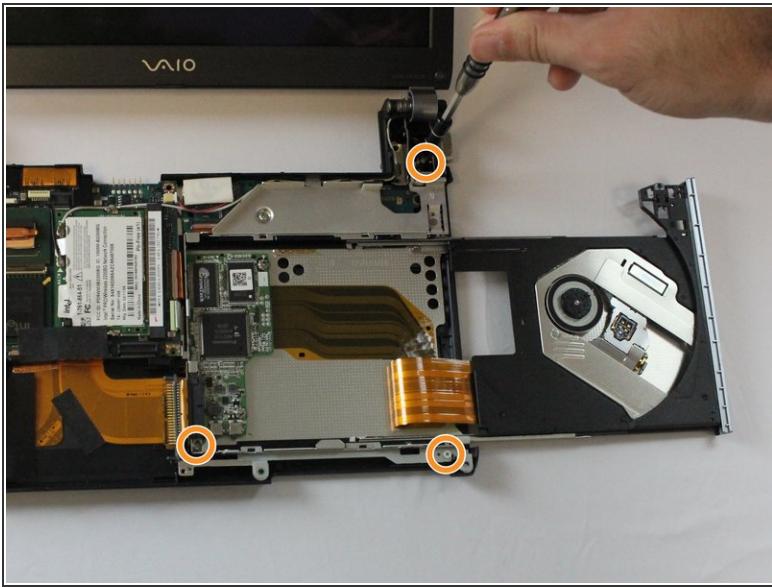
- Disconnect the ribbon cable by pulling straight up with your fingers.

## Step 14 — Optical Drive



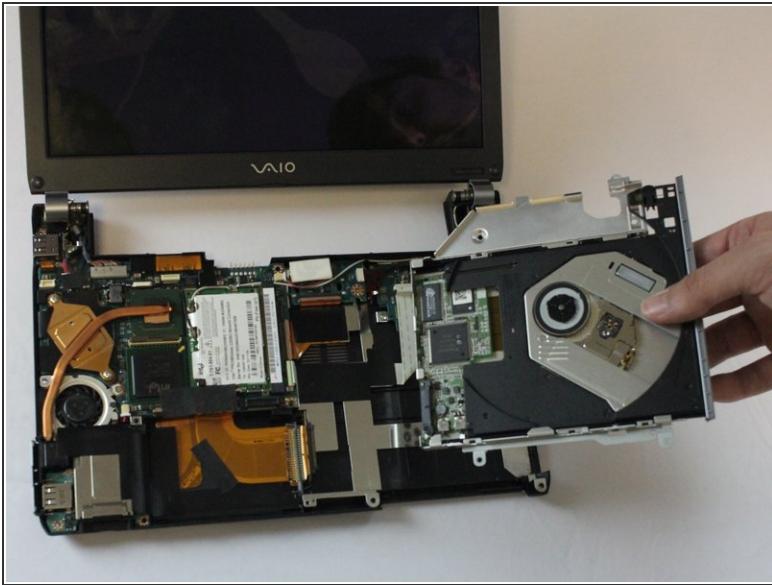
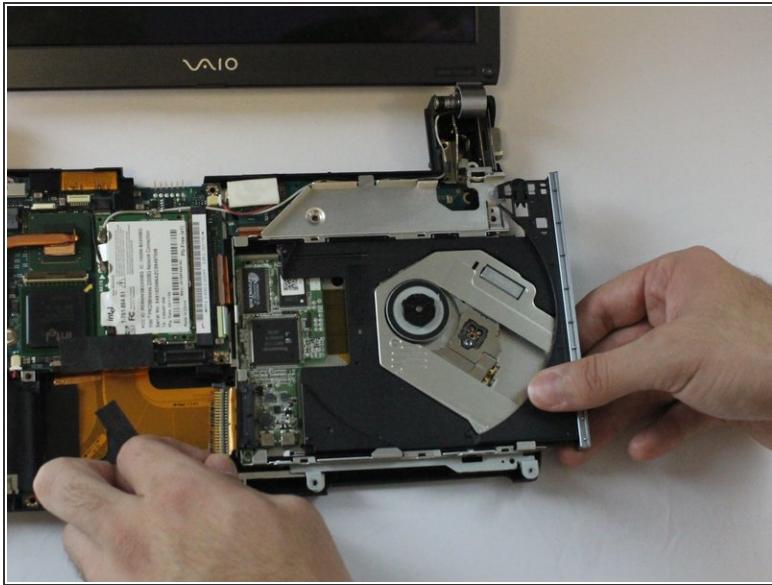
- Insert the PH0.8 bit into the pin hole to eject the optical drive.

## Step 15



- Remove one 4mm Phillips #0 pan head screw, using a Bit Driver with a Phillips PH000 bit.
- Remove three 5mm Phillips #0 flat head screws, using a Bit Driver with a Phillips PH000 bit.

## Step 16



- Apply pressure to the ribbon cable, then pick up and pull the optical drive away from the cable.

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