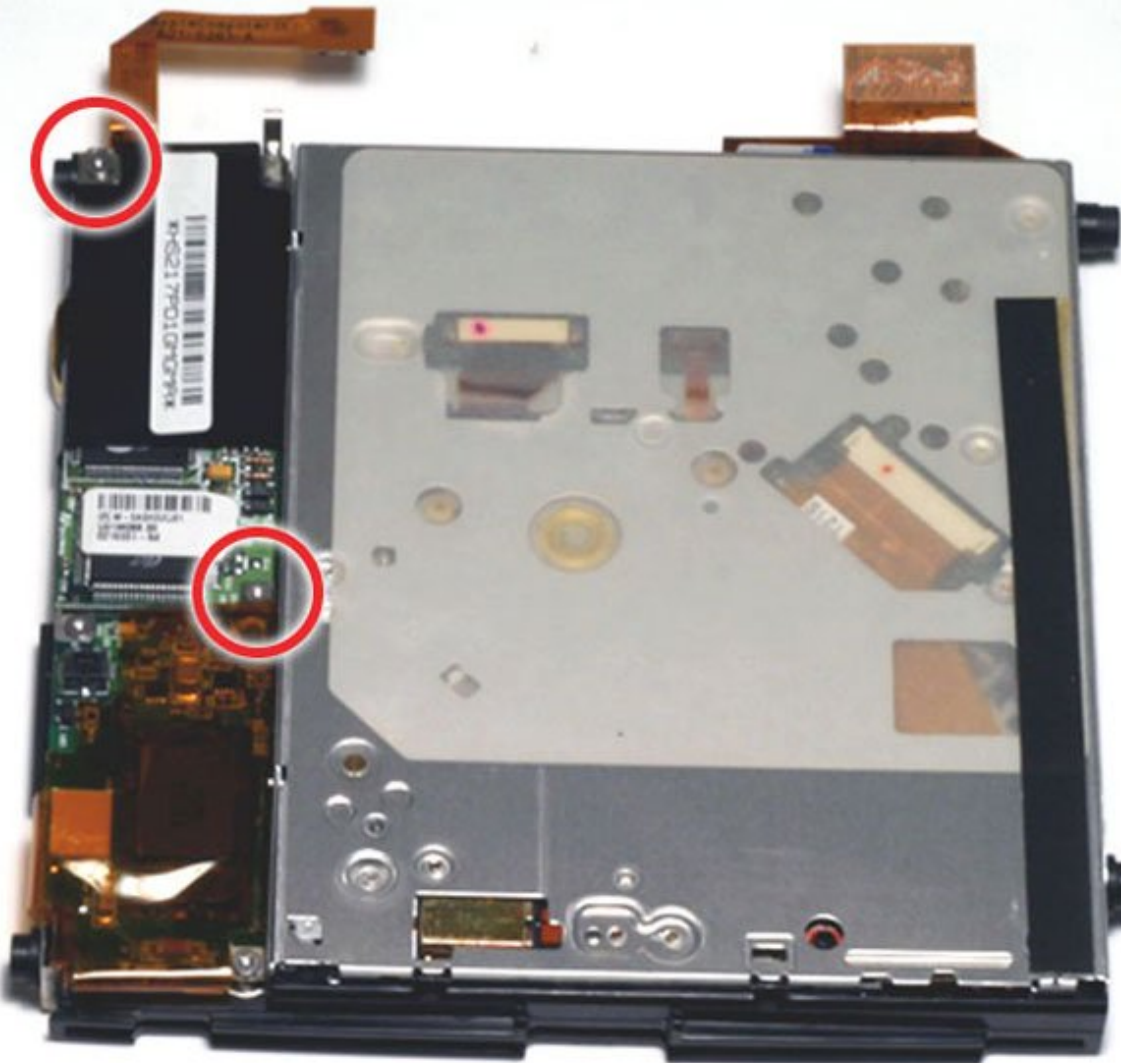




PowerBook G4 Titanium DVI Modem Replacement

Written By: iRobot



INTRODUCTION

The 56k internal modem is attached to the optical drive and standard on all models.



TOOLS:

- [T6 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)



PARTS:

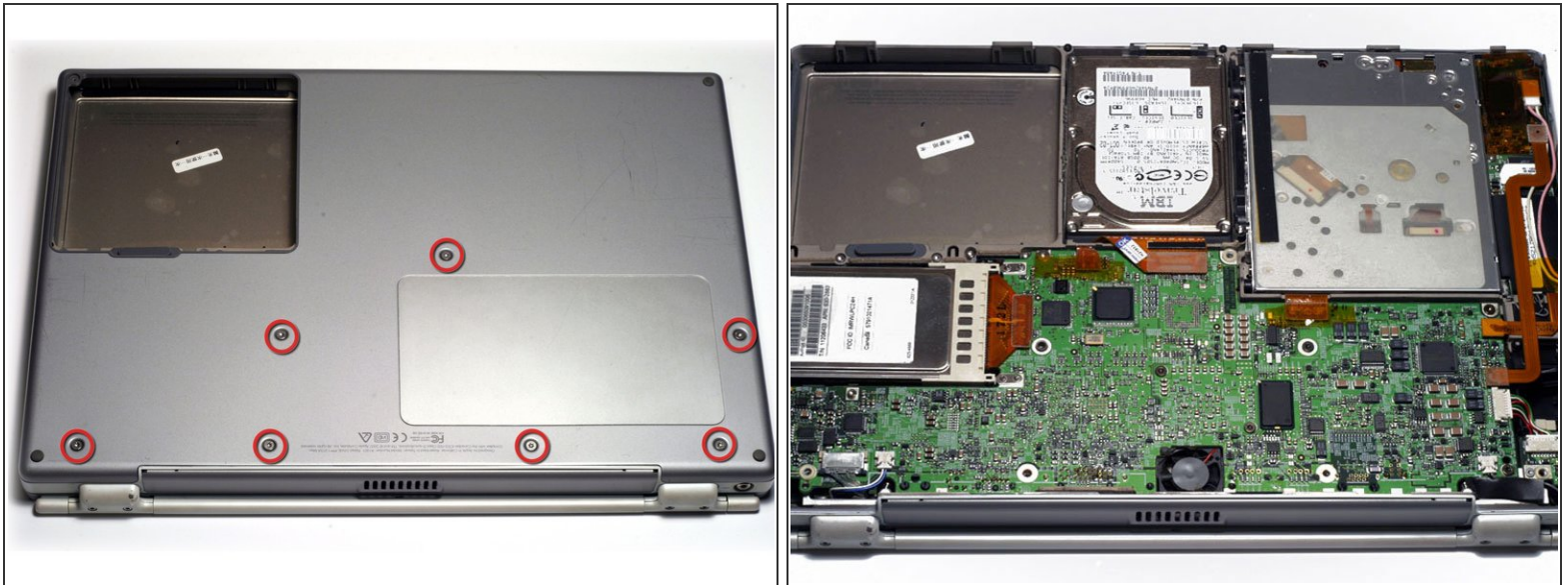
- [G4 Titanium Onyx or DVI 56k Modem](#) (1)
- [G4 Titanium DVI Modem Cable](#) (1)

Step 1 — Battery



- Locate the battery release tab on the underside of the G4.
- Slide the battery release tab to the left and lift the battery out of the computer.

Step 2 — Lower Case



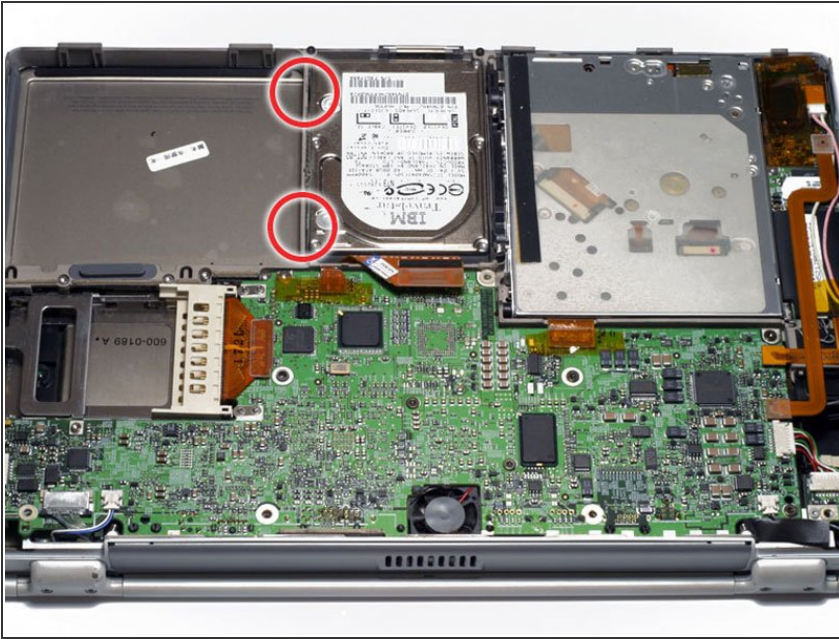
- Remove the seven T8 Torx screws from the lower case.
- Using your thumbs, slide the lower case toward the front of the computer.
- The lower case may stick in the front on a tab just above the center of the optical drive. Be careful as you work the case off, or you may break the thin strip of plastic just above the drive.
- Lift the lower case off.

A detailed view of the internal components of a laptop. The green motherboard is populated with various chips, capacitors, and connectors. A silver RAM module is visible on the left, with a label showing 'FCC ID: M99LPC24e' and 'Covada 512/256/128'. An IBM hard drive is mounted on the right. A cooling fan is located at the bottom center. The laptop's chassis is visible around the edges.

- Firmly grasp the plastic tab attached to the Airport card and pull up and to the left.
- Disconnect the antenna cable from the left side of the Airport card.

- Disconnect the hard drive ribbon from the logic board using a spudger or the tip of your finger.

Step 5



- To free the hard drive, remove the two T8 Torx screws from the right wall of the battery housing.

Step 6



- Remove the hard drive by lifting the left edge up and out of the computer.
- ⓘ There are four rubber bumpers that fit over the hard drive screws. Ensure that these bumpers come out when you remove the hard drive.

Step 7



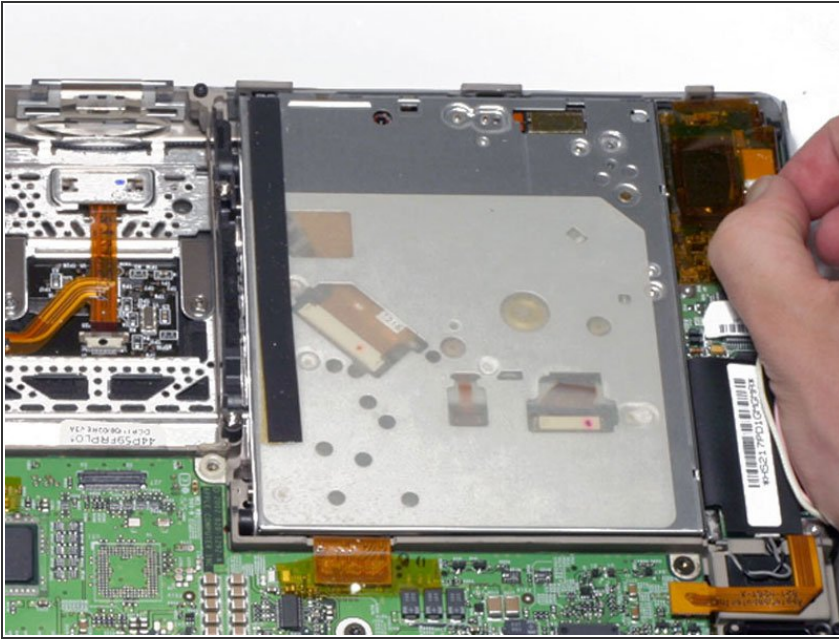
- Your laptop should look approximately like this.

Step 8 — Optical Drive Removal



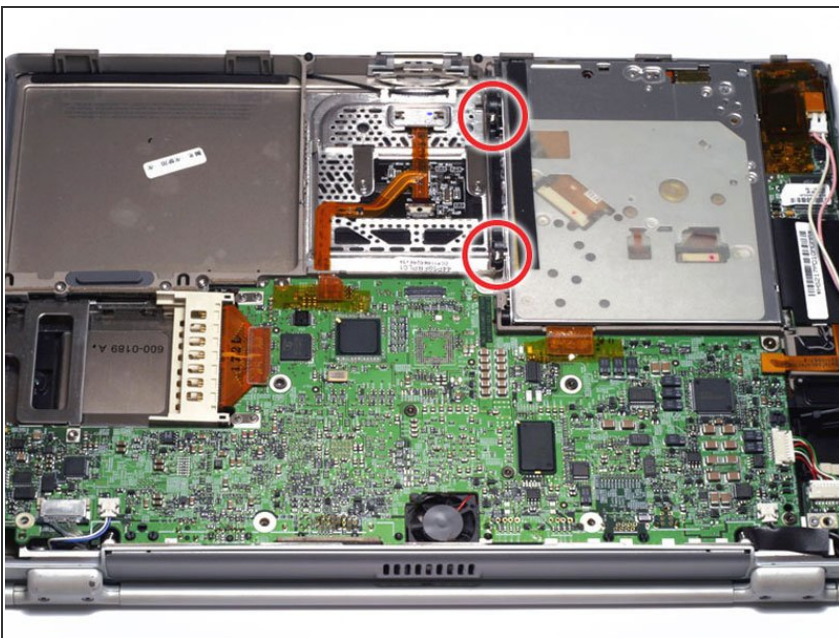
- Disconnect and remove the indicated orange ribbon cable.

Step 9



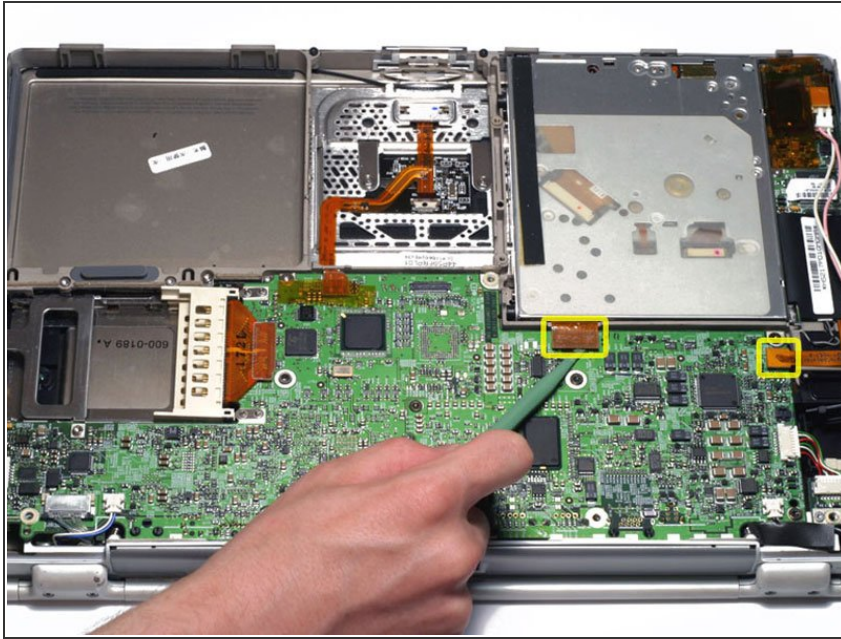
- Disconnect the pink and white inverter cable from the inverter board.
- ⓘ The display inverter has orange plastic shielding around it that looks similar to the tape used elsewhere within the computer. Do not remove the shielding from the inverter.

Step 10



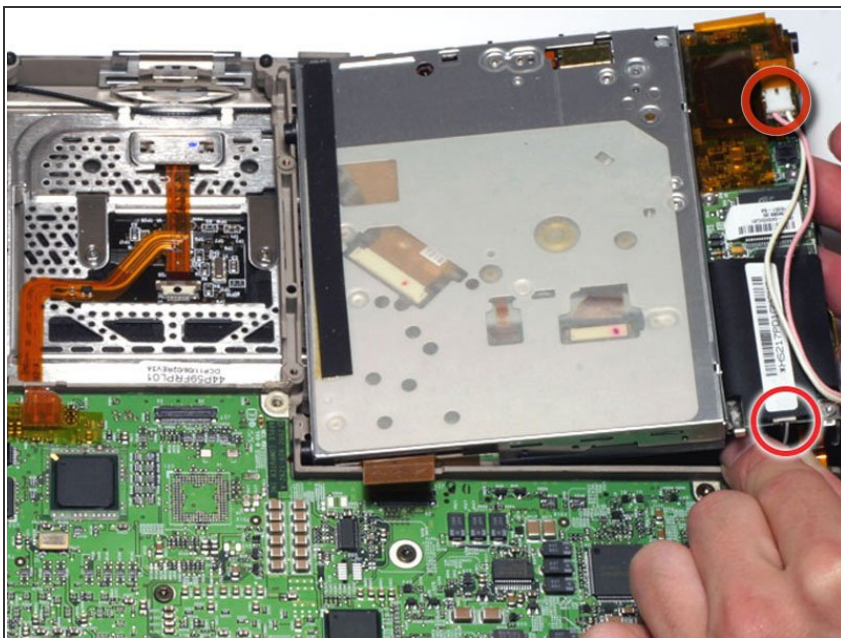
- Remove the two silver T8 Torx screws from the black plastic bar.
- Lift the black plastic bar out.
- ★ Reassembly will be significantly easier if you reseal the hard drive **before** returning the black bar to its place.

Step 11



- Disconnect the two orange connectors from the logic board, removing tape as necessary.

Step 12



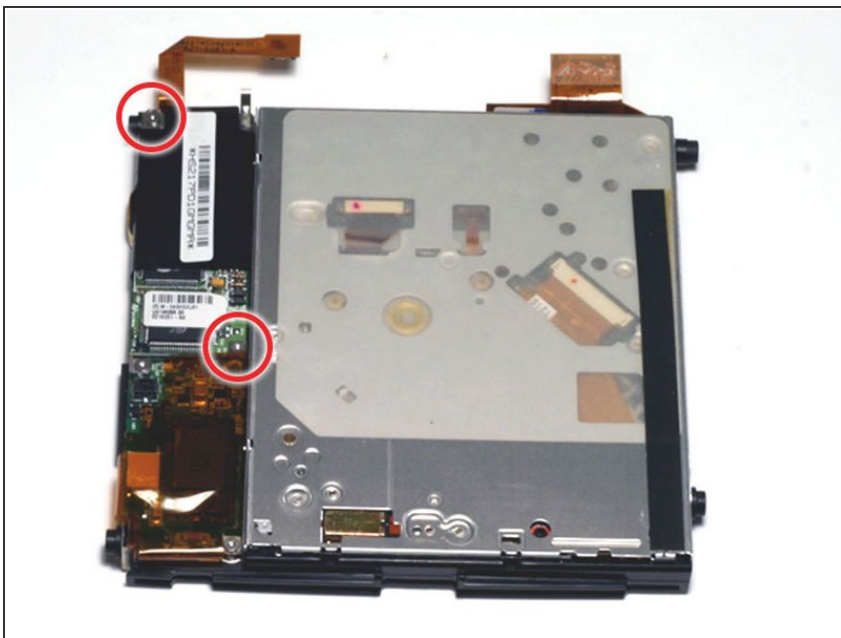
- Lift the drive up on the right side so that you can access and disconnect the modem cable and inverter cable.

Step 13



- Remove the drive by lifting the right edge up and out of the computer.

Step 14 — Modem



- Remove the two T6 Torx screws from the modem.
- Lift the modem off the optical drive, carefully guiding the orange ribbon cable through the space in the drive mount.

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