



Installing PowerBook G4 Titanium DVI Inverter

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Tools used in this guide

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

Parts relevant to this guide

- [G4 Titanium DVI Inverter Board](#) (1)

The inverter powers the LCD backlight and is not a difficult part to replace.



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.



Step 3

- Using your thumbs, slide the lower case away from you.
- 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.



Step 4

- Your laptop should look approximately like this.



Step 5 — Hard Drive

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



Step 6

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



Step 7

- 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 8

- Your laptop should look approximately like this.



Step 9 — Optical Drive Removal

- Disconnect and remove the indicated orange ribbon cable.



Step 10

- 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 11

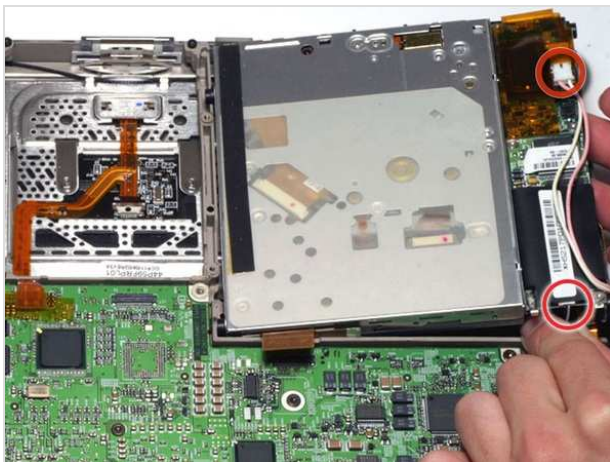
- Remove the two silver T8 Torx screws from the black plastic bar.
- Lift the black plastic bar out.
- Reassembly will be significantly easier if you reseat the hard drive **before** returning the black bar to its place.





Step 12

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



Step 13

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



Step 14

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



Step 15 — 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.



Step 16 — Inverter

- Remove the two T6 Torx screws from the inverter board.
- Lift the inverter board off the optical drive.



Step 17



- Your laptop should look approximately like this.

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



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Lower Case
7 T8 Torx





Hard Drive
2 T8 Torx





HD Replacement
2 T8 Torx



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Optical Drive
2 T8 Torx



Modem
2 T6 Torx



Inverter
2 T6 Torx



DC-In Board
2 T6 Torx



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To organize your screws, simply place each screw in the appropriate box as you remove them from your laptop.



If you are not planning on immediately reassembling your laptop, you may want to tape the screws to this paper.

Due to model variations, the screws you remove may differ slightly from this guide.





Modem Filter Board
1 T8 Torx



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Modem Filter Board
1 T6 Torx





Logic Board
5 T8 Torx





Logic Board
1 T8 Torx



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Logic Board
1 T8 Torx



PC Card Cage
1 T8 Torx



PC Card Cage
1 T8 Torx

