



Apple iPod 4th Generation Take Apart Repair Manual

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This manual is presented as a guide in order to help you repair problems on your iPod. Working on an iPod can be dangerous if not done properly. We at Powerbookmedic.com take no responsibility for any damage or harm done to yourself or your iPod as a result of reading this guide.

Suggestions for making this manual better? Email: sales@powerbookmedic.com

Tools Needed for Take Apart:

- Torx T6 Screwdriver (available from PowerbookMedic.com)
- Philips head screwdriver (size #00, available from PowerbookMedic.com)
- Flat pry tool (such as a black nylon tool available from our store)

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Top Case Removal

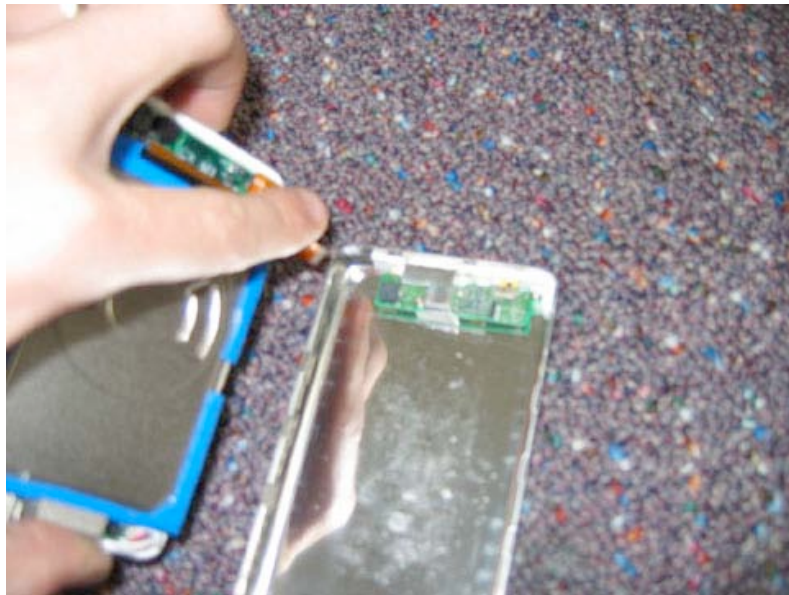
Begin by using a flat tool to separate the white plastic front case from the silver back case. You will need to stick your flat tool into the crevice, work it down into the crevice, and then pry up so that the casing separates. Apply enough pressure so that your flat tool does not slip and scratch your iPod!



Continue separating the casing by gently prying up all the way around the unit. It should be much easier to pry the casing apart after you get the initial corner started.



With the casing separated, grasp the top half (the part with the front bezel) and flip it over as shown. Note that there is an orange cable in the top left corner that connects the iPod logic board to the headphone ports. If you gently grasp the cable and pull, it will slide out of its connector on the headphone port module board.



Headphone Jack Board Removal

Before proceeding, you must remove the top case.

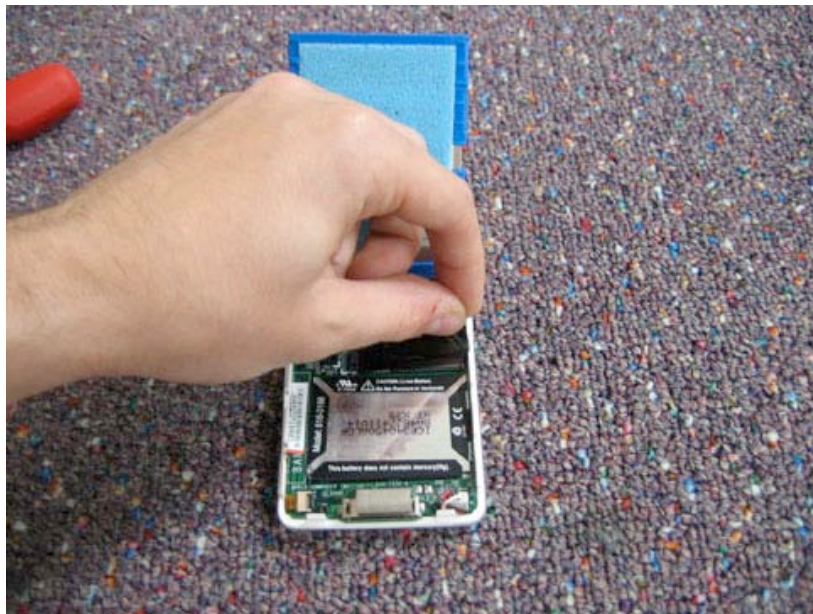
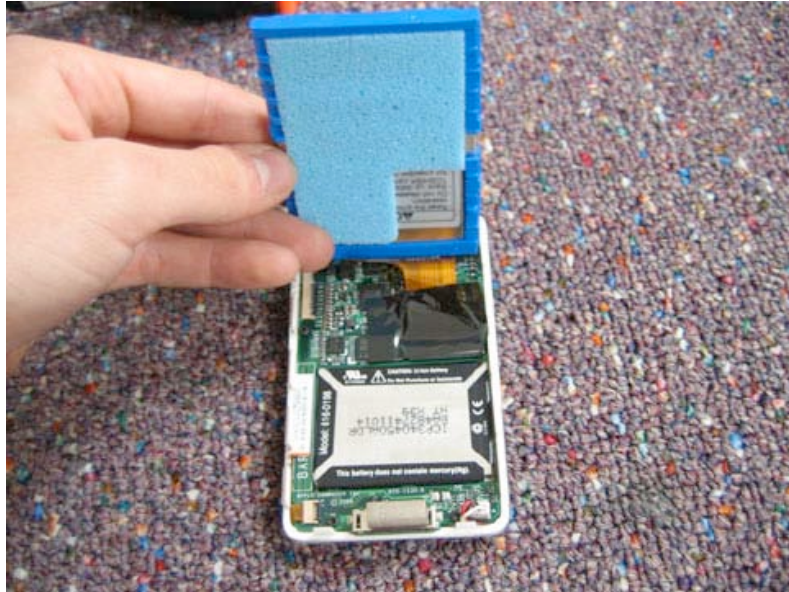
There are two t6 screws holding the headphone port in place at the locations shown in the picture. Remove both of these screws. You can now remove the headphone module as shown in the next picture.



Hard Drive Removal

Before proceeding, you must remove the top case.

Hold the hard drive up as shown, and remove the black tape on the hard drive connector as shown in the second picture.

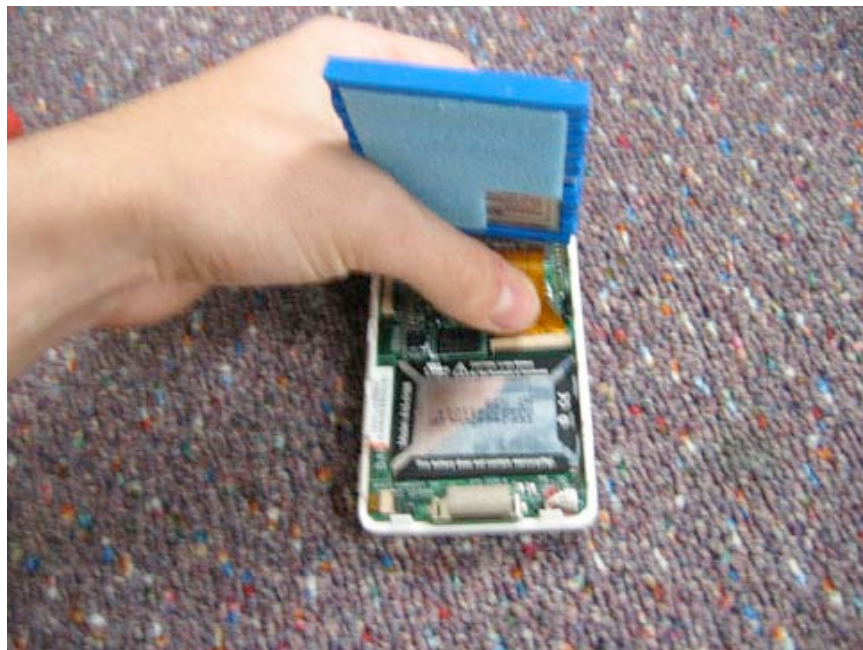


This will reveal the hard drive cable's connector to the logic board.



To remove the hard drive, grasp the cable as shown (thumb on top index finger on bottom) and gently pull the cable out (away from you and the connector)

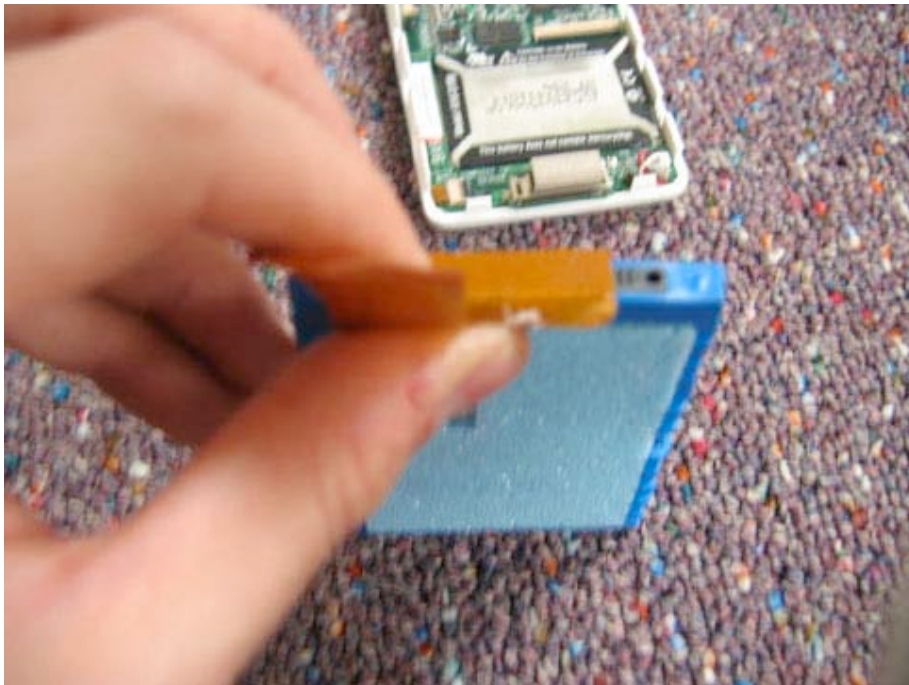
The hard drive will now be free of the iPod logic board.



Hard Drive Cable Removal

Before proceeding, remove the hard drive.

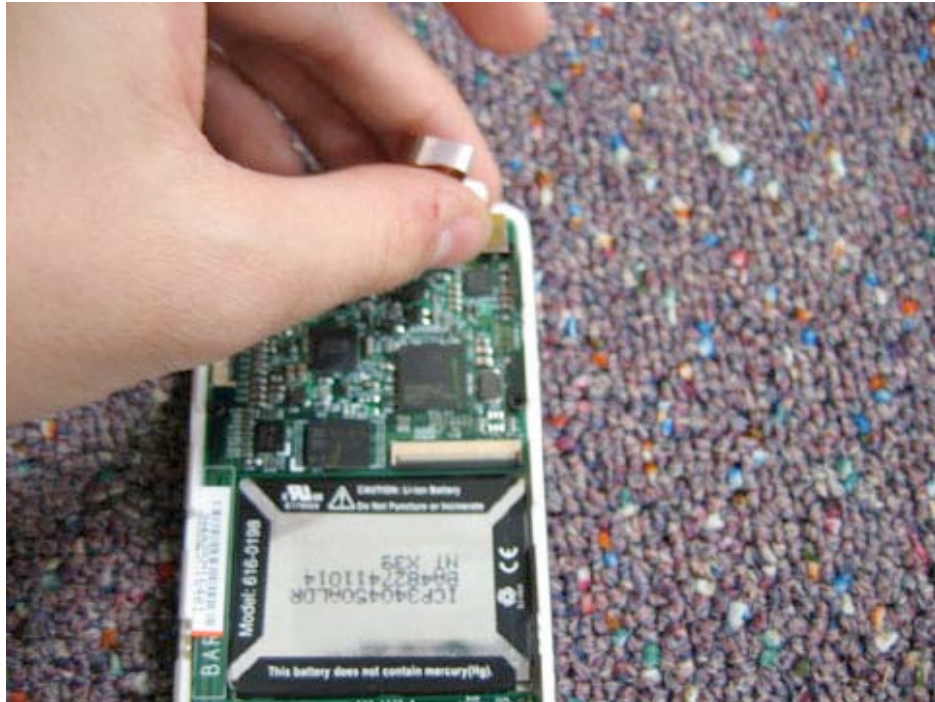
To remove the hard drive cable, hold the drive as shown, and gently pull up on the cable. It should come out easily.



Headphone Connector Cable Removal

Before proceeding, remove the hard drive.

To remove the headphone connector cable, Grasp the cable as shown in the picture, and gently pull up. It should come out easily.



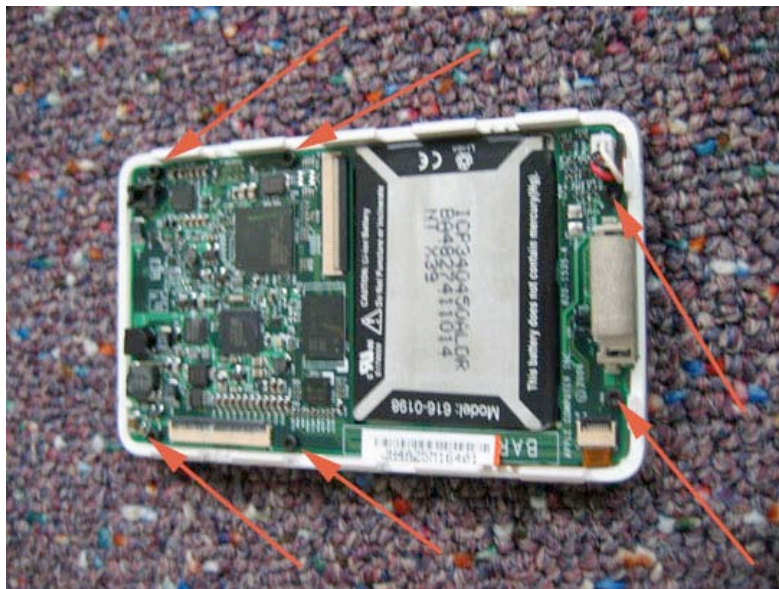
Logic Board Removal

Before proceeding, remove the hard drive and headphone connector cable

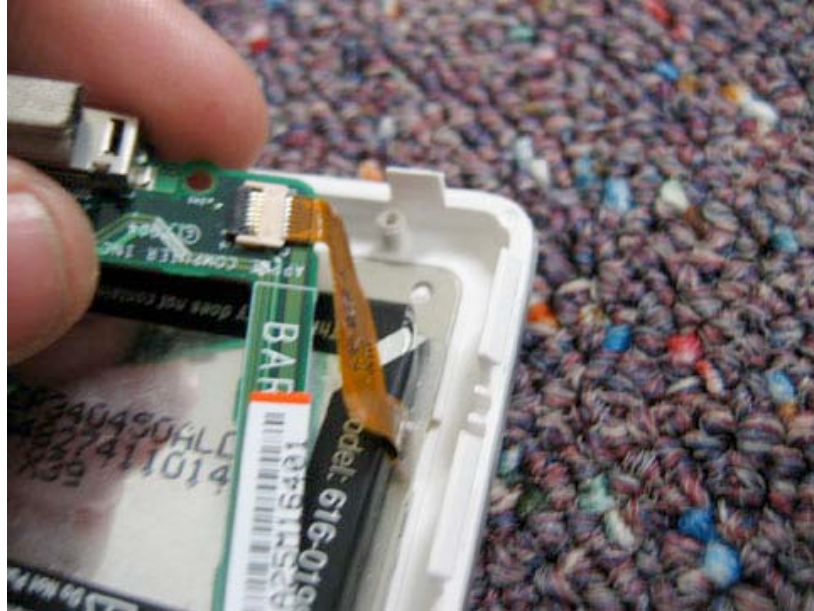
First, disconnect the battery connector by grasping the cable and gently pulling up as shown to disconnect the cable from the logic board connector.



Remove the 6 black T6 Screws in the locations shown.



With the screws removed slightly move the logic board to the left as shown to give more access to the clickwheel cable. Gently pull this cable to free it from the logic board connector.



The logic board will now easily come free from the case. The LCD will still be attached to the logic board.



LCD Removal

Before proceeding, first remove:

Hard Drive
Headphone Connector Cable
Logic Board

To remove the LCD, grasp the green connector cable as shown, and gently pull to free it from the logic board connector. It should come out easily.

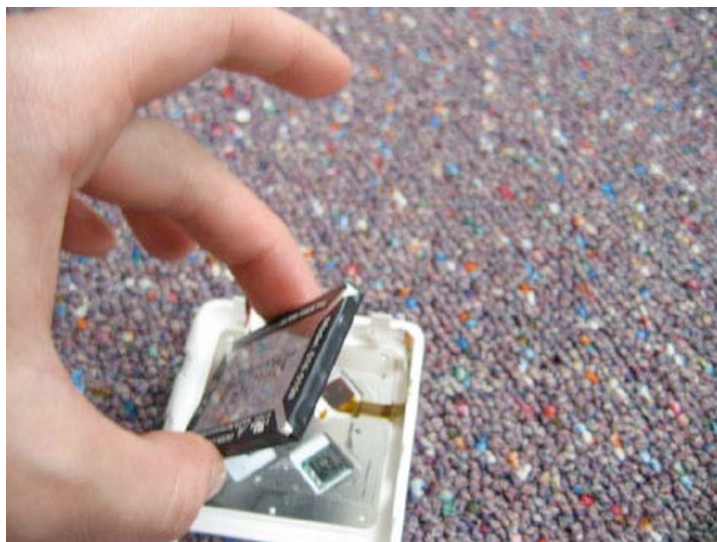


Battery Removal

Before proceeding, first remove:

Hard Drive
Headphone Connector Cable
Logic Board

To remove the battery, use a flat tool to pry the battery up. It is held on with a light adhesive, and should come up by using just a little force. Lift the battery out of the unit as shown.



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