



## **Apple iPod Video Take Apart Repair Manual**

Copyright © 2006 Powerbookmedic.com. All rights reserved.

Any portion of this manual may not be copied, reproduced, or distributed without the express written consent of Powerbookmedic.com. Violators will be prosecuted.

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](mailto:sales@powerbookmedic.com)

### **Tools Needed for Take Apart:**

Philips head screwdriver (size #00, available from PowerbookMedic.com)

Flat pry tool (such as a black nylon tool available from our store)

## Introduction:

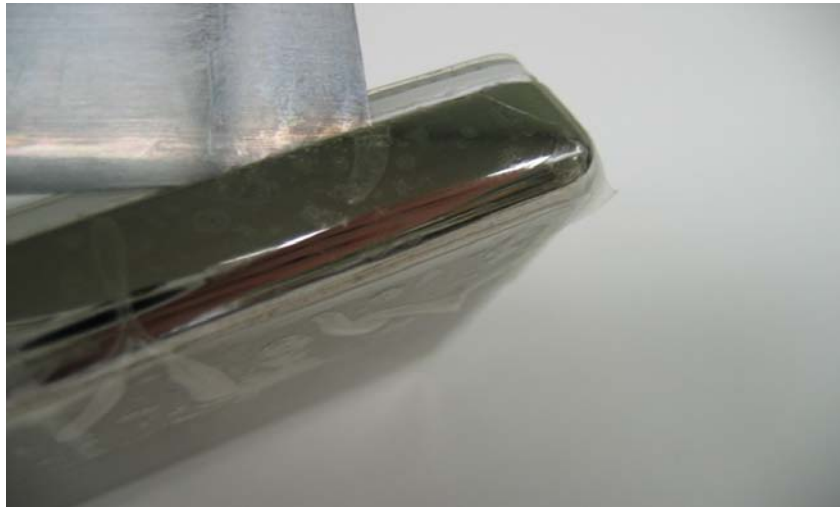


The picture above shows two models of the iPod Video. There are black and white models and the later revision had a thinner back case. The insides are almost identical so we will only be covering the white one pictured above. There are 30GB and 60GB hard drive sizes for the iPod Video. The hard drives connect the same way, so there is nothing different between hard drives.

## Opening the Case:



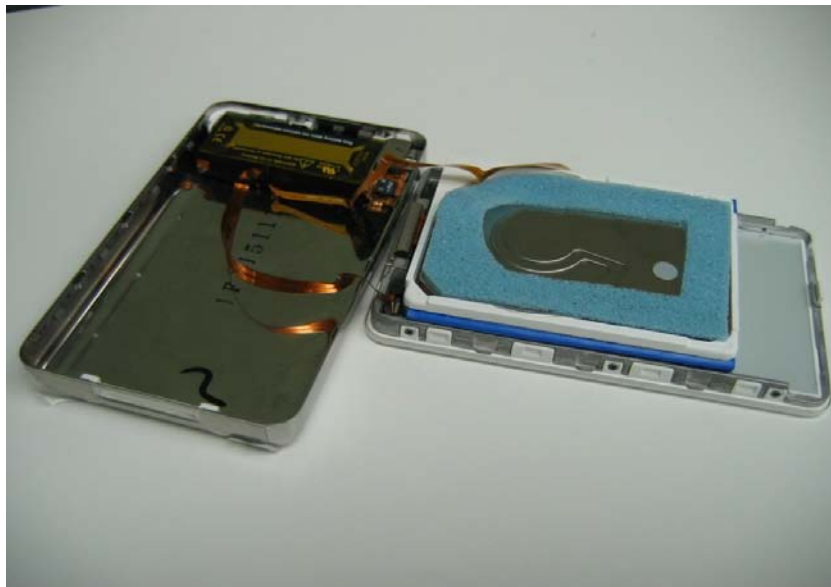
The metal bottom casing is very easy to scratch, so I recommend covering the area with tape so you won't damage the case if your tool slips. You should be able to see the tape in the picture above to the left of the iPod's LCD screen. This is the best place to begin opening the case.



Get your tool in between the front plastic casing and the back metal casing. The thinner the tool the better you will be. Thin flathead screwdrivers and small putty knives tend to work best. You may need to use a lot of pressure to make sure the tool doesn't slip.

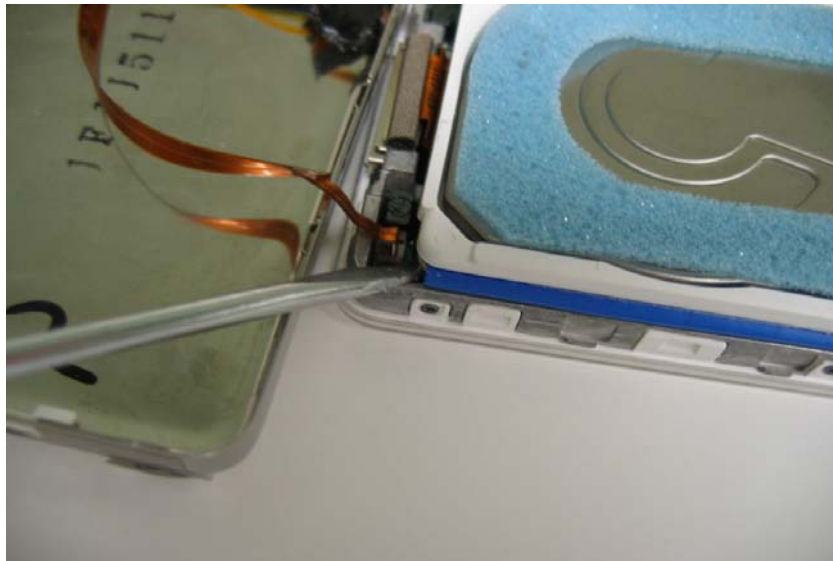


Work the tool down the side until it pops out like the picture above. Once it is at this stage just continue gently prying it open until you can fold the top case away from the back casing.



Once it is separable, you should be able to rotate the back casing around 90 degrees and be able to lay both flat like in the image above. Congratulations, you are now inside your iPod.

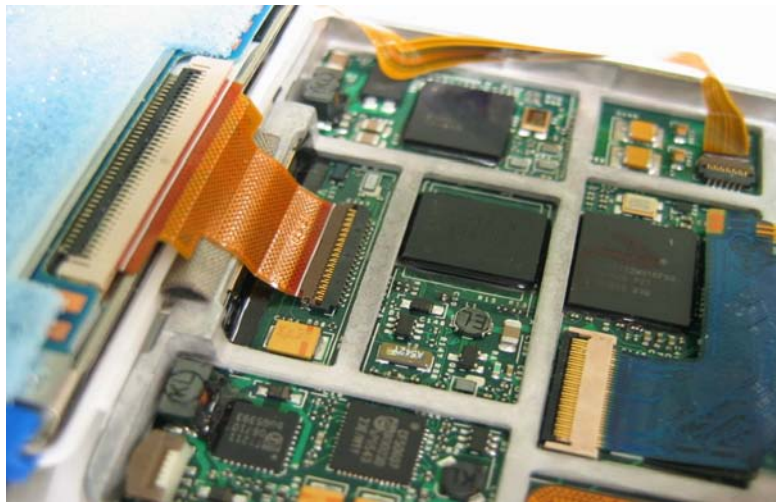
## Removing the Hard Drive:



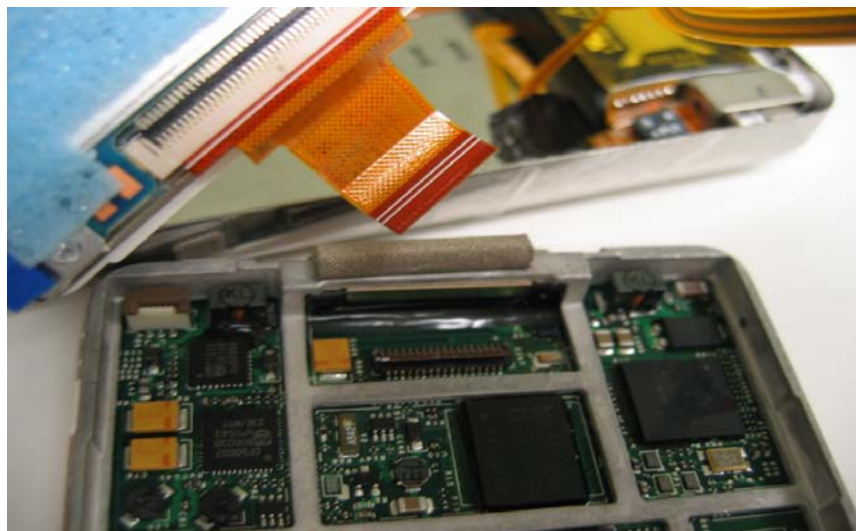
Use a flathead screwdriver and gently lift the clip around the battery ribbon cable to unlock it. Once the clip is lifted, you can easily pull out the ribbon cable disconnecting it from the logic board.



You can then flip the hard drive straight back towards the docking port. This will reveal the rest of the ribbon cables and the logic board.



The picture above shows the ribbon cable from the hard drive to the logic board. The rest of the cables in the iPod uses this clip mechanism or a similar style. You need to flip up the brown clip to unlock the cable and then you can pull the cable out. If you are replacing the hard drive, you will also need to remove the ribbon cable from the hard drive. This is done in a similar fashion. Flip up the plastic clip (black in color in the image above) and pull the ribbon cable out.



## Replacing the Logic Board:

*(previous steps required: Opening the Case, Removing the Hard Drive)*



Disconnect the headphone module ribbon cable by flipping up the clip (brown in the image above) and pulling out the ribbon cable.



You should now have three separate pieces. The back case, the main body, and the hard drive.



The cable (blue in the picture above) can be removed the same way as the others. Flip up the clip (black in this case) and slide the cable out.



We now need to separate the front casing. There are a total of 6 philips head screws on both sides of the frame. (3 on each side) You can then pull the front case away from the frame, logic board, and LCD. There can be some adhesive so it may take a little more force. The click button from the click wheel may fall out at this point so make sure you are performing the repair where it won't be lost.





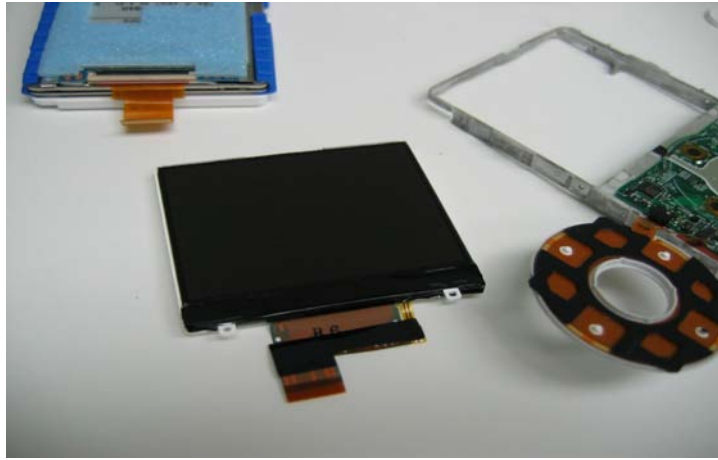
The front case should now be removed and you can now see the click wheel mechanism and the front side of the LCD and logic board. The click wheel has a little piece glued to the frame, you should be able to peel this off with no problem. You should now be able to push the logic board from the back and get it separated from the frame. The logic board does have some adhesive so it may take some more force to get it separated.



Once the logic board is separated from the frame, you can remove the click wheel ribbon cable from the logic board by flipping up the lock mechanism and pulling the cable out.

## Replacing the LCD:

*(previous steps required: Opening the Case, Removing the Hard Drive, Removing the Front Case)*



With the Front Case separated, the LCD should just come out easily. There may be some tape connecting the LCD to the frame/logic board. You can just peel the tape off.

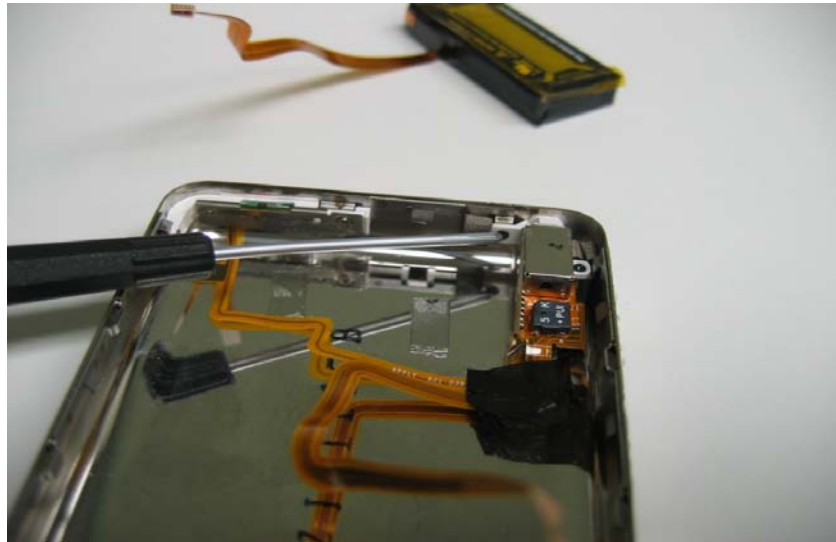
## Replacing the Headphone Module / Back Case: (previous steps required: *Opening the Case, Removing the Hard Drive*)



You should have the back case and the hard drive separated from the logic board as shown in the picture above before starting this section.



Use a flathead screwdriver and pry up underneath the battery. It is only held down with adhesive and should pop out. Make sure not to damage the ribbon cables.



There will be five screws holding the headphone module in place. There are two on the headphone jack side and three near the hold button. Once those are out the module can be removed and the back case should be empty.

## Putting it Back Together:

The hardest part about putting it back together is lining up the click wheel.



If you look at the picture above, you can see the click wheel mechanism has four tabs around it. The front case has four matching grooves. Make sure those fit snug or the click wheel will be loose and possibly unresponsive. The select button also needs to line up with the grooves so it can sit comfortably. The best way to do this is to lay the front case down like in the picture and tilt the main body until you can get it to fit and then continue to tilt the logic board over until it lays on top of the front case. Make sure you have the LCD in the frame before laying it on top of the front case.



This is how it should look after flipping it over all the way.



The rest is just putting the screws back in, connect the LCD, the headphone ribbon cable, the hard drive, and then the battery in reverse order of taking it apart. Once all that is connected, just take the back case, make sure it is right side up and snap it back to the top, and you are done.

---

At Powerbookmedic.com, we strive to make our manuals as accurate as possible. If you would like to see something in this manual or would like to see something improved in this manual, please email us at: [sales@powerbookmedic.com](mailto:sales@powerbookmedic.com)

For all of your Powerbook & iBook parts and repair needs, visit us at:



Copyright © 2006 Powerbookmedic.com. All rights reserved.