



## Apple Clamshell iBook Repair Manual

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

Torx T8 Screwdriver – Available from our online store  
Philips head screwdriver ( small and medium size screwdrivers)

**Always remove the battery and power supply from the computer before beginning any take apart or repair!**

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## Battery Removal



Using a large flathead screwdriver, turn the two battery locks to the left to unlock the battery compartment. Remove the battery cover.



Grasp the plastic piece from the battery, and pull up to remove the battery.

# Keyboard Replacement

Before proceeding, you must first remove:

Battery



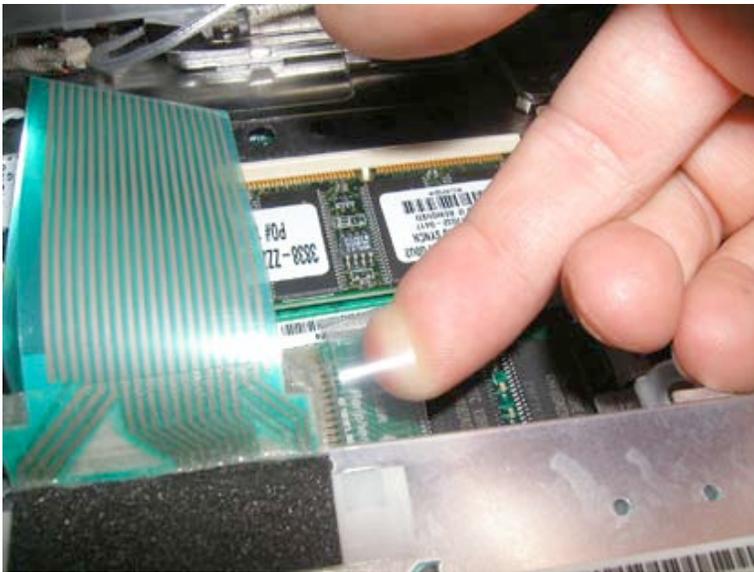
Pull the left and right keyboard tabs in towards you, and lift the keyboard up and flip towards you. (The picture only shows the right tab being pushed in, but it is easier if both are done at the same time.)



Remove the two Philips head screws as shown. (Note – If an airport card is installed, it will have to be removed first.)



Press the airport card holder down and then towards you to release the spring.



Insert your index finger under the plastic tab of the keyboard connector, and gently pull up. (If the connector does not come out easily, gently wiggle from side to side while pulling up.)

# Ram Replacement

Before proceeding, you must first remove:

Battery  
Keyboard



This step does not require removal of the keyboard. To remove ram, gently pry back the two metal connectors on each side of the ram chip as shown. (Only one side is shown, but it is easier if both are pried back at the same time.) The ram chip will “pop” up. Grasp it, and gently pull it out of its socket.

# Trackpad and Ribbon Cable Assembly Replacement

Before proceeding, you must first remove:

Battery  
Keyboard



**This step is extremely important**

Grasp the orange trackpad cable (under keyboard), and gently remove it from its socket. If this is not done now, then it will rip later on.



Remove the three Philips head screws as shown.



**This is a very important step**

Close the iBook and turn it upside down. Using the end of a screwdriver or paper clip, push in the eject button to open the cd drive. This will reveal the Philips screw as shown. Remove the screw.



Using a Torx T8 Screwdriver (available from [www.powerbookmedic.com](http://www.powerbookmedic.com)), remove the four torx screws as shown.



Remove the two torx screws as shown. (Also located on the bottom side of the casing.)



Working your way from the bottom right hand side around to the top right-hand side, pry the trackpad up. This take some initial force to get the connectors to undo, but after you've gotten the bottom right hand side up, work from that point to remove the rest of the trackpad. This step can be tricky, so be careful. (Never use too much force!)



Before the trackpad can come completely off, you must undo it from the speaker connector. Grab both sides of the wire and pull. It should come out very easily.

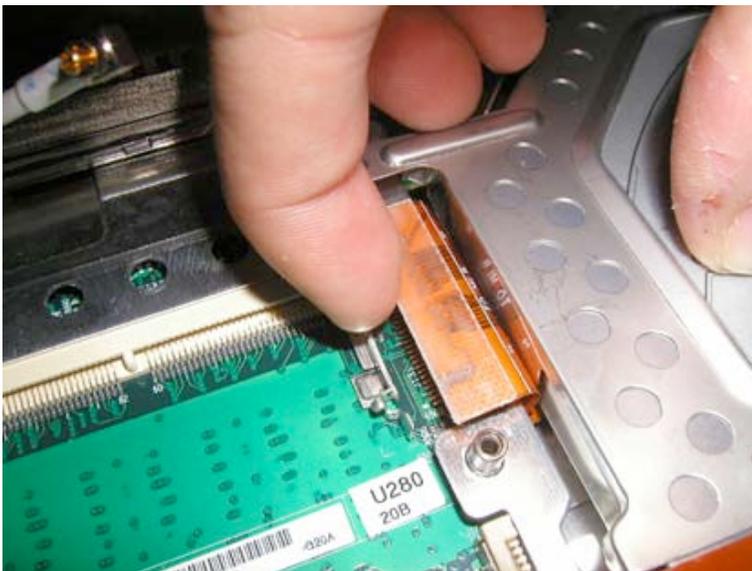
# CD-ROM Replacement

Before proceeding, you must first remove:

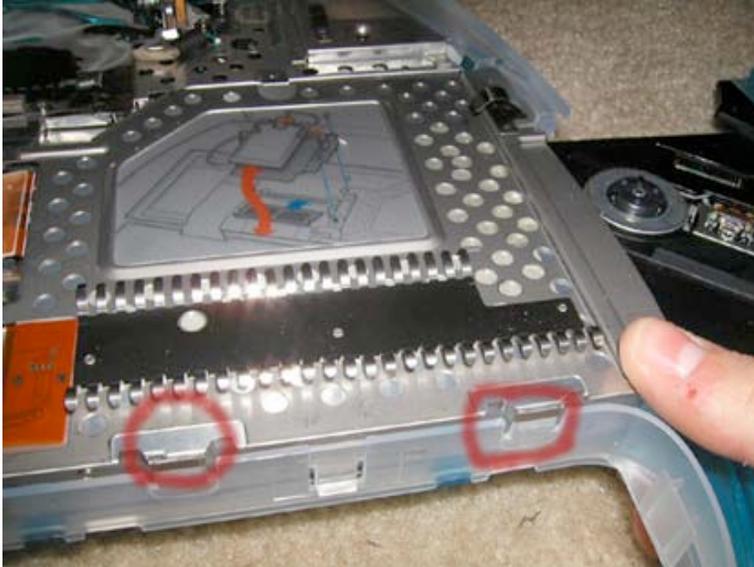
Battery  
Keyboard  
Trackpad



Using a Torx T8 screwdriver, insert the end into the “open screw” as shown. Push down and turn to undo the screw.



Undo the orange ribbon cable by grasping one side as shown and pulling up.



Pull up and towards you on the drive as shown. There are two latches as shown in the picture that you must lift the drive out of. You may have to wiggle the drive back and forth slightly to remove it from under the casing.

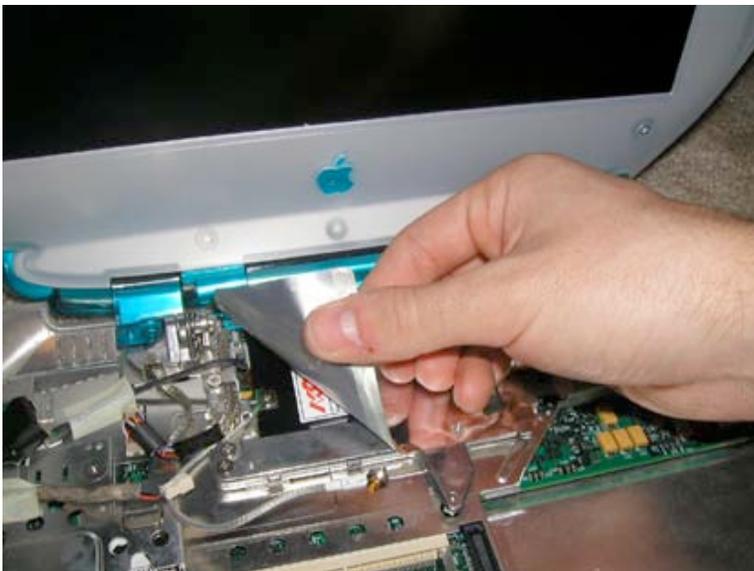
# Modem Replacement

Before proceeding, you must first remove:

- Battery
- Keyboard
- Trackpad
- Cd-Rom



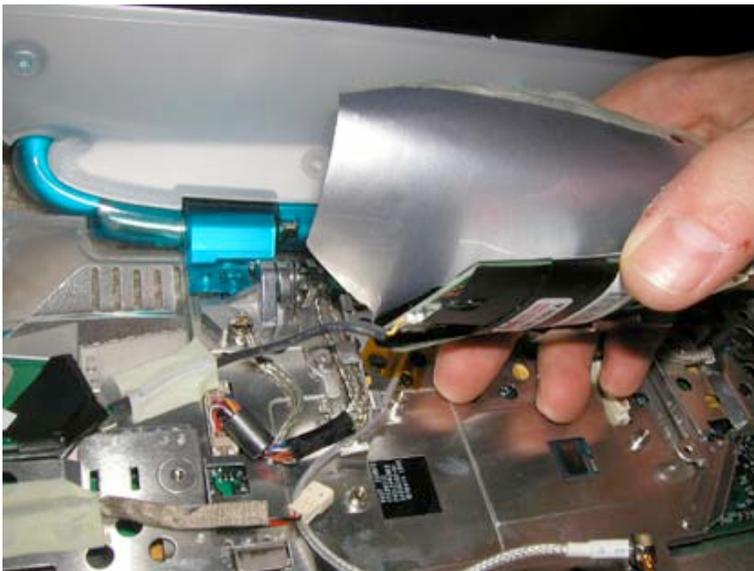
Remove the 10 Philips head screws as shown. In some units there is an 11<sup>th</sup> screw located near the speaker cable.



Grasp the shiny paper like strip, and pull it up and back towards the display to reveal the modem.



Remove the six Philip head screws as shown.



Lift the modem up, and undo the modem cable from the modem.

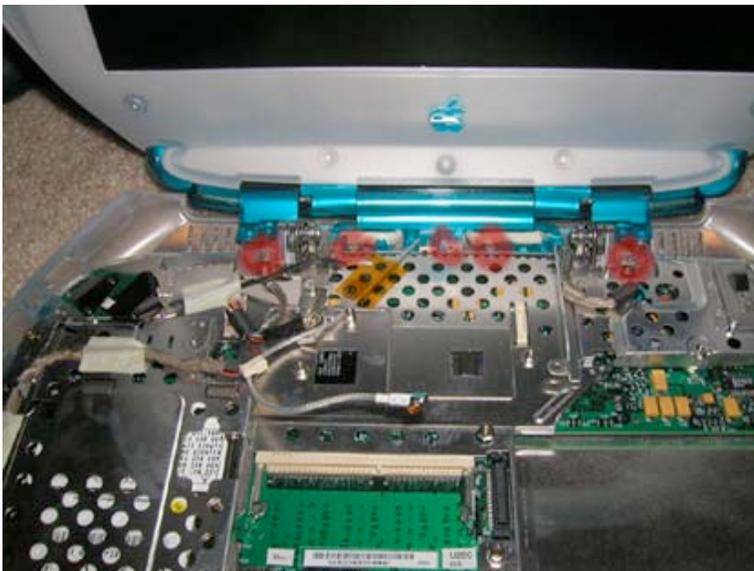
# Display Replacement

Before proceeding, you must first remove:

- Battery
- Keyboard
- Trackpad
- Cd-Rom
- Modem



Remove the two screen ribbon cables from their motherboard connectors as shown. (Grasp the cable, and pull up. If the cable does not easily come out, pull up and gently wiggle from side to side.) Remove the orange tape holding down the airport cable as shown.



Remove the five Philips head screws as shown. The display should now lift right off. (Be careful not to lose the small screws holding down the bezel.)

# Stiffener Assembly Replacement

Before proceeding, you must first remove:

- Battery
- Keyboard
- Trackpad
- Cd-Rom
- Modem



Remove the speaker cable as shown. Lift off the tape, and guide around the tabs holding the cable in place. The pull up from the connector to remove it from the logic board.



Remove the stiffener simply by lifting up and out. It should come off very easily

# Battery Board Replacement

Before proceeding, you must first remove:

Battery  
Keyboard  
Trackpad  
Cd-Rom  
Modem  
Stiffener Assembly



To remove the battery charger / clicker board, undo the one Philips head screw as shown. Then, lift the board up, and grasping from the cable, undo the cable from its logic board connector at the point shown.

# Hard Drive Replacement

Before proceeding, you must first remove:

- Battery
- Keyboard
- Trackpad
- Cd-Rom
- Modem
- Stiffener Assembly



Using a Torx T8 screwdriver, insert the end into the three “open screws” as shown. Push down and turn to undo the screws.

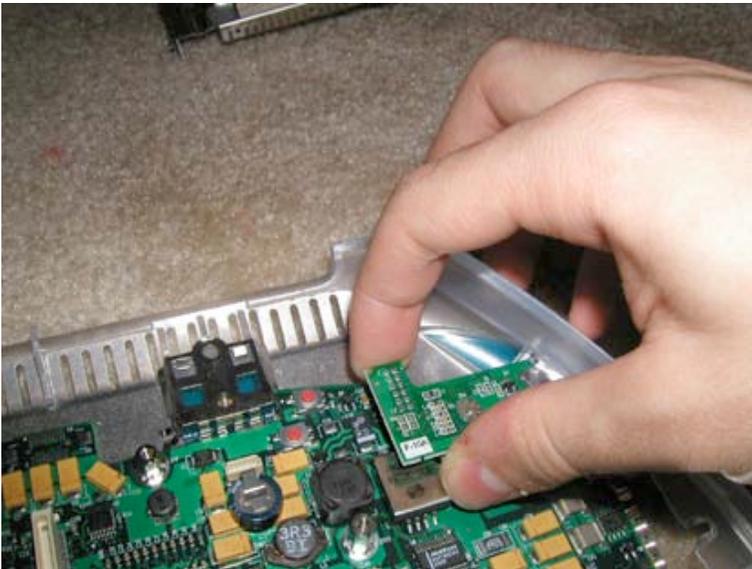


Place your index finger under the plastic tab of the hard drive connector as shown. Lift up to remove the cable from its motherboard connector.

# DC-IN Board Replacement

Before proceeding, you must first remove:

Battery  
Keyboard  
Trackpad  
Cd-Rom  
Modem  
Stiffener Assembly



Grasp the AC Board as shown, and lift up to undo the board from its motherboard connector. Removing the board from this stage is difficult. Push the plastic casing away from the board, and wiggle the board until it is free from the casing. Sometimes this is easier than other times. (Be careful not to use too much force or you will break the plastic case.)

# Logic Board Replacement

Before proceeding, you must first remove:

- Battery
- Keyboard
- Trackpad
- Cd-Rom
- Modem
- Display
- Stiffener Assembly
- Battery Board
- Hard Drive
- DC-IN Board



Using a Torx T8 screwdriver, insert the end into the four “open screws” as shown. Push down and turn to undo the screws.

There is one Philips head screw that must be removed as well. It is in front of the ram slot as shown.

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