

# Bottom Case Replacement Instructions

Follow the instructions in this sheet carefully. Failure to follow these instructions could damage your equipment and void its warranty.

**Note:** Written and video instructions covering customer-installable parts are available at <http://www.info.apple.com/installparts/>.

**Warning:** Sharp edges can exist inside your computer and on any parts being removed or installed. Use caution to avoid injury. Keep small parts away from children.

## Tools Required

- Soft towel or cloth, larger than the PowerBook
- PowerBook G4: #1 Phillips screwdriver
- PowerBook G4 (Gigabit Ethernet):Torx T8 screwdriver (provided with bottom case)

## Removing the Bottom Case

**Warning:** Always shut down your computer before opening it to avoid damaging its internal components or causing injury. After you shut down the computer, the internal components can be very hot. Let the computer cool down before continuing.

1. Place your computer on a clean, flat surface.
2. Shut down your computer and wait thirty minutes before continuing.
3. Disconnect the power cord and any other cables connected to the computer.

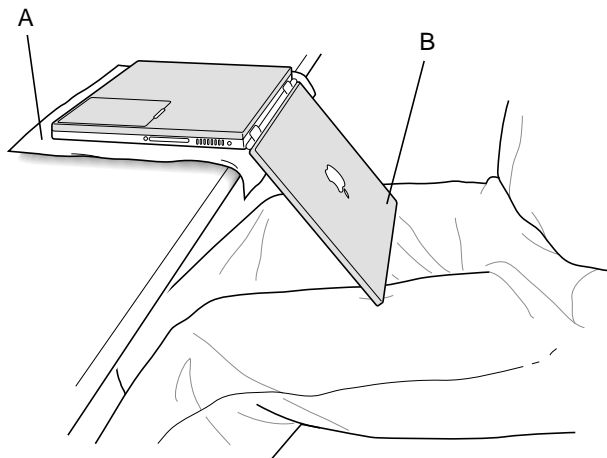
4. Place a towel or soft cloth on a table in front of you. **(Figure 1A)**

The towel or cloth will protect the keyboard and display area of the PowerBook when you flip it over to remove the battery and bottom case. Make sure it covers an area large enough for your PowerBook and that it hangs over the edge of the table.

5. With the display open at an angle greater than 90 degrees, carefully flip the PowerBook over and lay it flat, fully on the table. Make sure the display hangs over the edge of the table and rests lightly on your lap. **(Figure 1B)**

**Important:** Do not open the display farther than the angle shown.

**Figure 1**

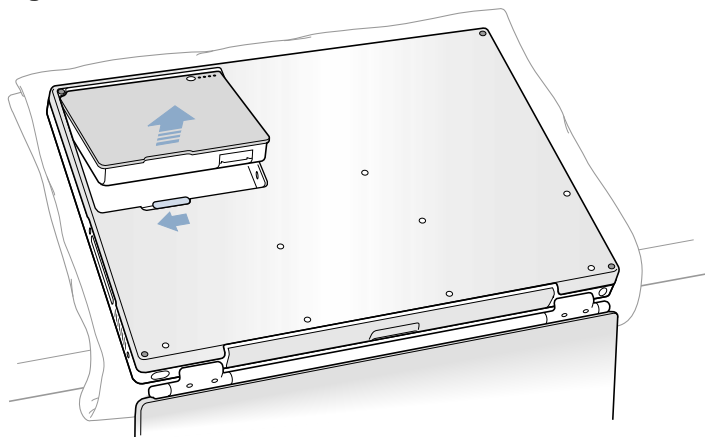


6. Remove the battery by sliding the battery latch to the left. Make sure to return the latch fully to the right. **(Figure 2)**

Removing the battery will prevent you from accidentally turning on the computer.

**Warning:** Removing the battery before shutting down your computer may result in data loss.

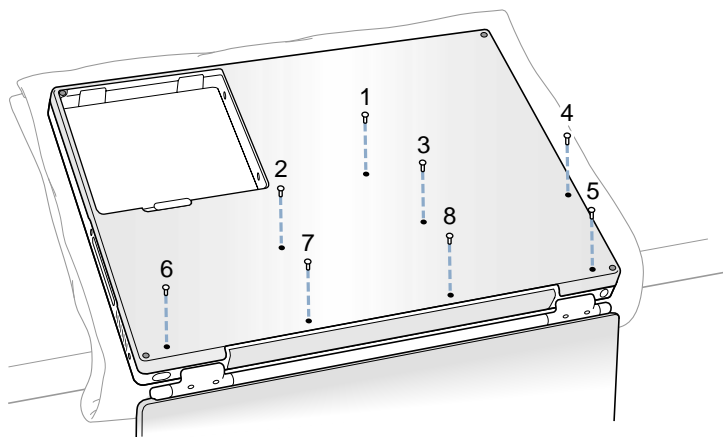
**Figure 2**



7. Using the appropriate screwdriver, remove the eight bottom case screws in the order shown in the illustration. **(Figure 3)**

**Important:** To avoid damaging the case, be careful that the screwdriver tip does not slip out of the screw head during removal.

**Figure 3**

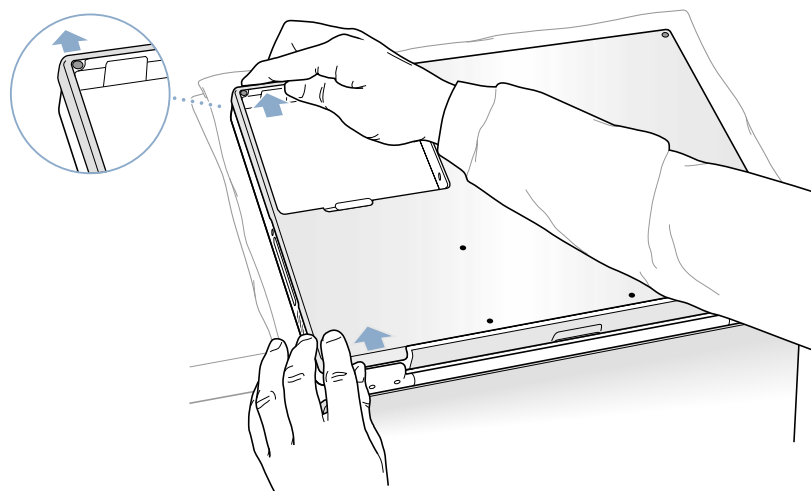


**Note:** The following three steps explain how to remove the bottom case by disengaging it at the left and right sides and then carefully pivoting it forward.

**Important:** During this procedure, do not push on the rubber feet of the bottom case.

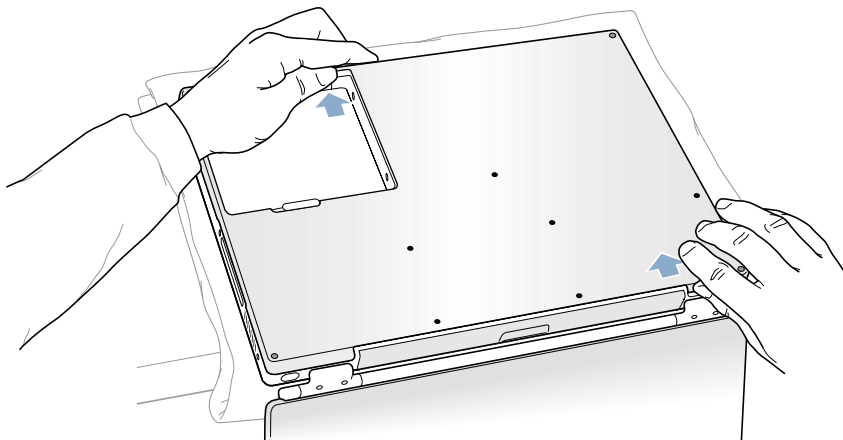
8. Place your hands on the bottom case as shown **(Figure 4)** and push away from you until the left side releases.

**Figure 4**



9. Place your hands on the bottom case as shown (**Figure 5**) and push away from you until the right side releases.

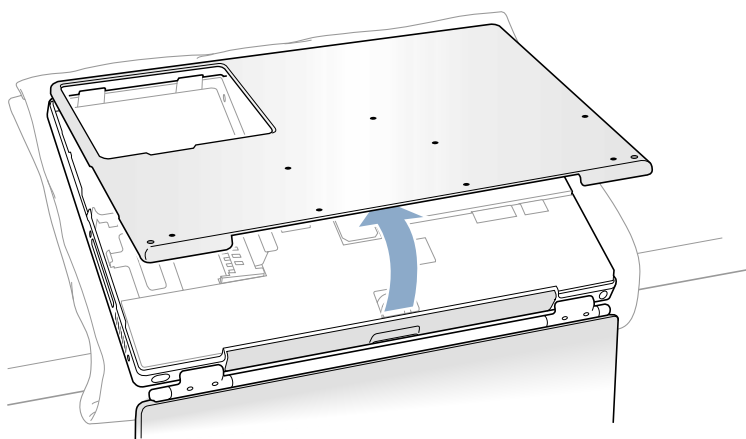
**Figure 5**



10. When both sides have released, lift up on the edge of the bottom case that is closest to you; carefully and evenly pivot it over the front edge of the computer until it releases. (**Figure 6**)

**Important:** Do not twist the bottom case from side to side. Slide the case forward completely before lifting it up. If you feel any resistance when lifting the bottom case, double-check to make sure the case is slid all the way forward and releases from the front edge.

**Figure 6**



## Installing the Replacement Bottom Case

1. To install the new bottom case, place it over the bottom of the computer in the same orientation as the original bottom case.
2. Align the notches on the right and left sides of the case (some of these can be viewed through the battery opening). Then press down and toward you slightly to secure the case.

**Important:** Make sure that the seams between the bottom case and the frame are closed. Verify that the case lies flat and fits properly around the battery latch and that the alignment tab that protrudes on the underside of the bottom case, shown in the illustration (**Figure 7A**), is seated properly.

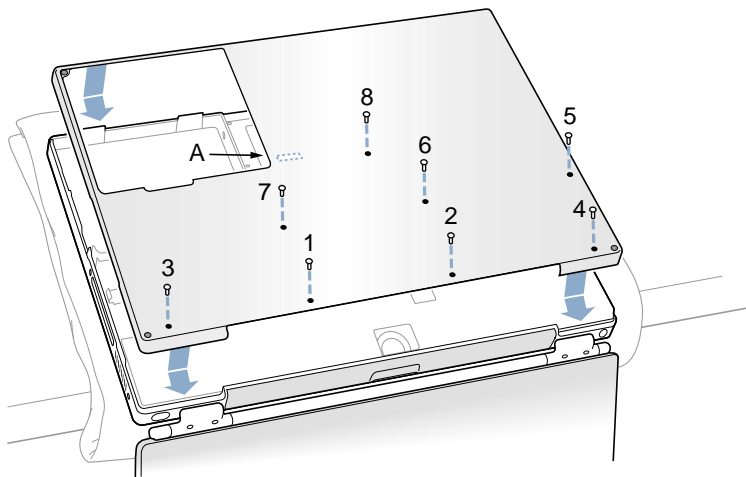
**Note:** To help with alignment, apply pressure to the bottom case at the back of the battery compartment opening, near the latch, and on the front and back outside edges of the case.

3. Check that the eight screw holes on the case align with the holes on the computer.
4. Replace the eight screws in the order shown in the illustration (**Figure 7**). Do not overtighten the screws or damage could result.

**Note:** The screws must go in straight and easily; if they do not, readjust the bottom case for proper alignment.

**Important:** To avoid damaging the case, be careful that the screwdriver tip does not slip out of the screw head during tightening.

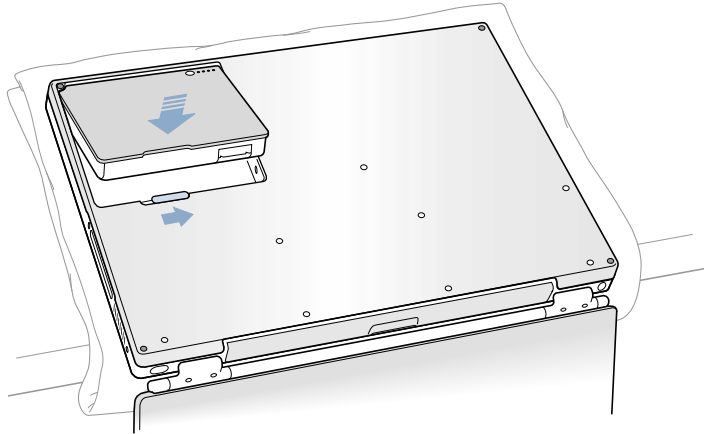
**Figure 7**



5. Replace the battery. **(Figure 8)**

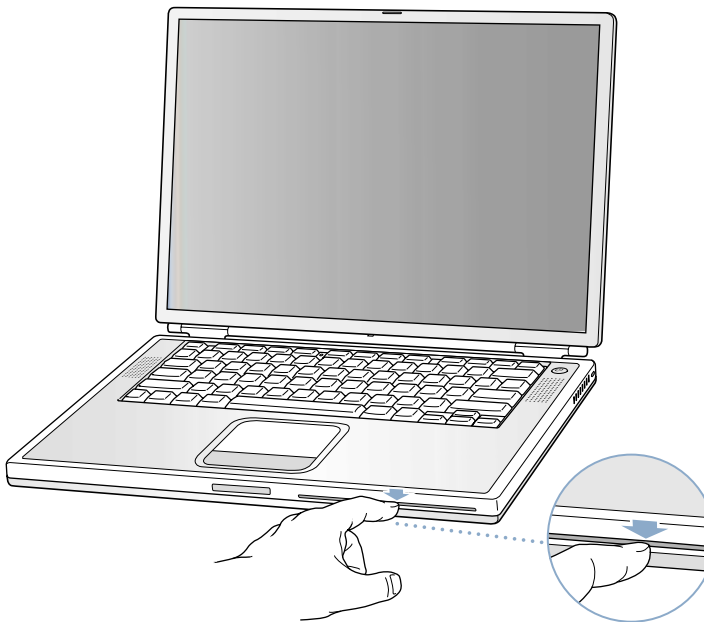
**Important:** Make sure that the battery locks securely into place and that the battery latch is slid all the way into the locked position.

**Figure 8**



6. Turn the computer over so that the optical drive slot faces you. Verify that the bottom case is flush with the front edge of the slot. If the case is slightly bowed and there is a gap near the center of the slot, carefully pull the bottom edge of the slot until it clicks into place and becomes flush with the bottom case. **(Figure 9)**

**Figure 9**



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7. Reconnect the power cord and any other cables that were connected, and restart your computer.

**Warning: Never turn on your computer unless all of its internal and external parts are in place and it is closed. Operating the computer when it is open or missing parts can damage your computer or cause injury.**

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