Memory Modules

User Guide

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Replacing the memory module

The computer has one memory module compartment, which is located on the bottom of the computer. The memory capacity of the computer can be upgraded by upgrading the existing memory module in the memory module slot.

WARNING! To reduce the risk of electric shock and damage to the equipment, unplug the power cord and remove all battery packs before installing a memory module.

CAUTION Electrostatic discharge (ESD) can damage electronic components. Before beginning any procedure, ensure that you are discharged of static electricity by touching a grounded metal object.

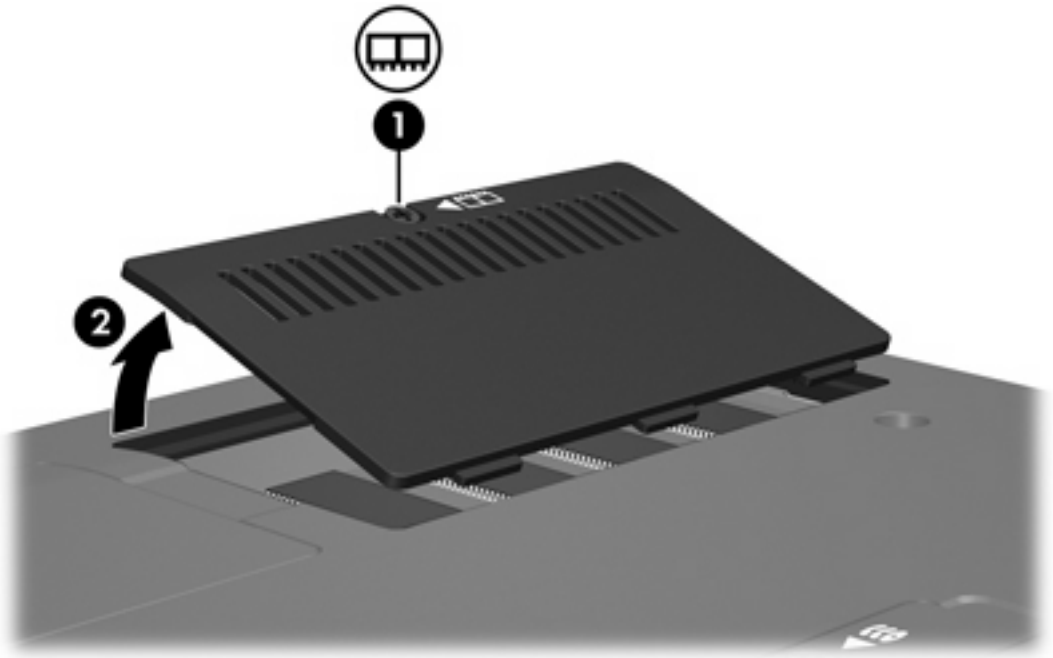
To replace a memory module:

1. Save your work and close all open programs.

   NOTE If the computer is in the Sleep state or in Hibernation, you must first exit Sleep or Hibernation before shutdown is possible.

2. Click **Start**, click the arrow next to the Lock button, and then click **Shut Down**.
3. Close the display.
4. Disconnect all external devices connected to the computer.
5. Unplug the power cord from the AC outlet.
6. Turn the computer upside down on a flat surface.
7. Remove the battery pack from the computer.
8. Loosen the memory module compartment cover screw **(1)**.

9. Lift the memory module compartment cover **(2)** away from the computer.



10. Remove the memory module:

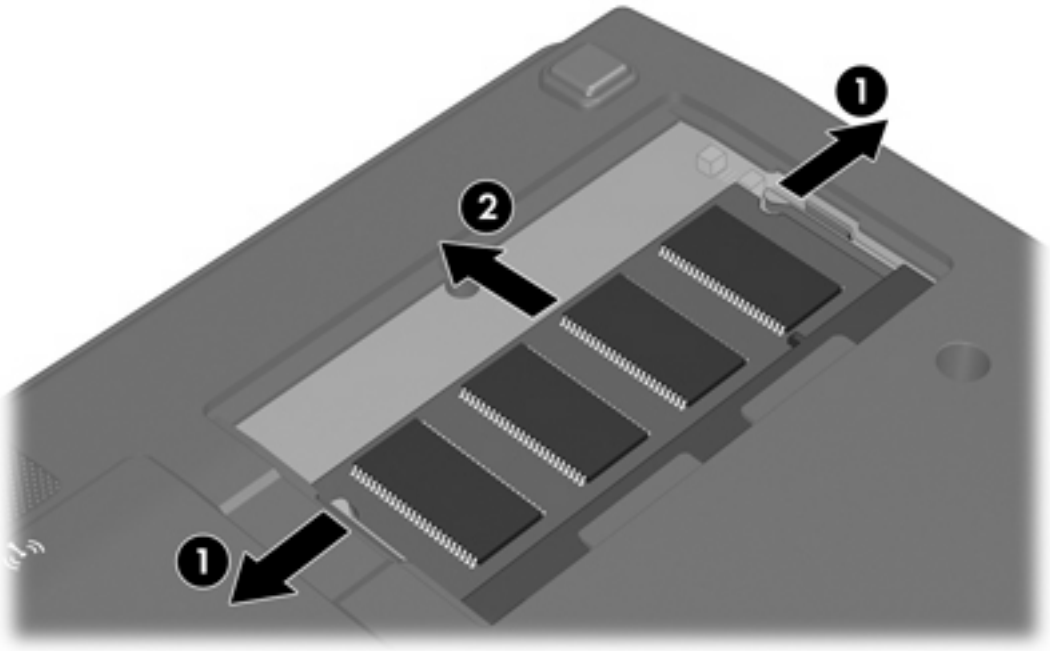
    a. Pull away the retention clips **(1)** on each side of the memory module .

    The memory module tilts up.

    CAUTION To prevent damage to the memory module, hold the memory module by the edges only. Do not touch the components on the memory module.

b. Grasp the edge of the memory module **(2)**, and gently pull the module out of the memory module slot.

To protect a memory module after removal, place it in an electrostatic-safe container.



11. Insert a new memory module:

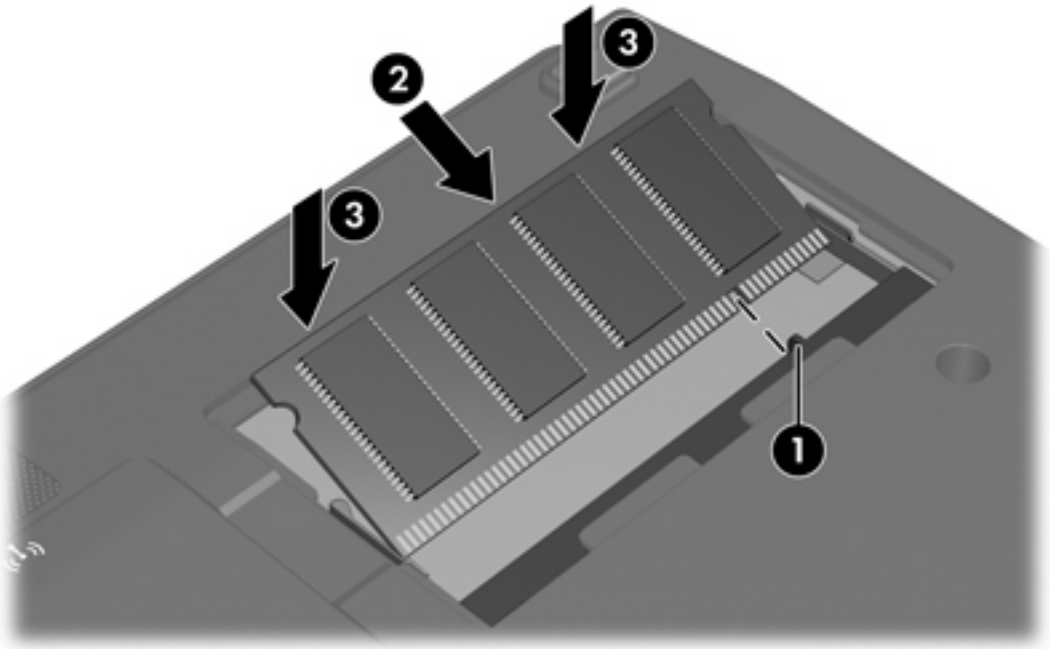
a. Align the notched edge **(1)** of the memory module with the tab in the memory module slot.

CAUTION To prevent damage to the memory module, hold the memory module by the edges only. Do not touch the components on the memory module.

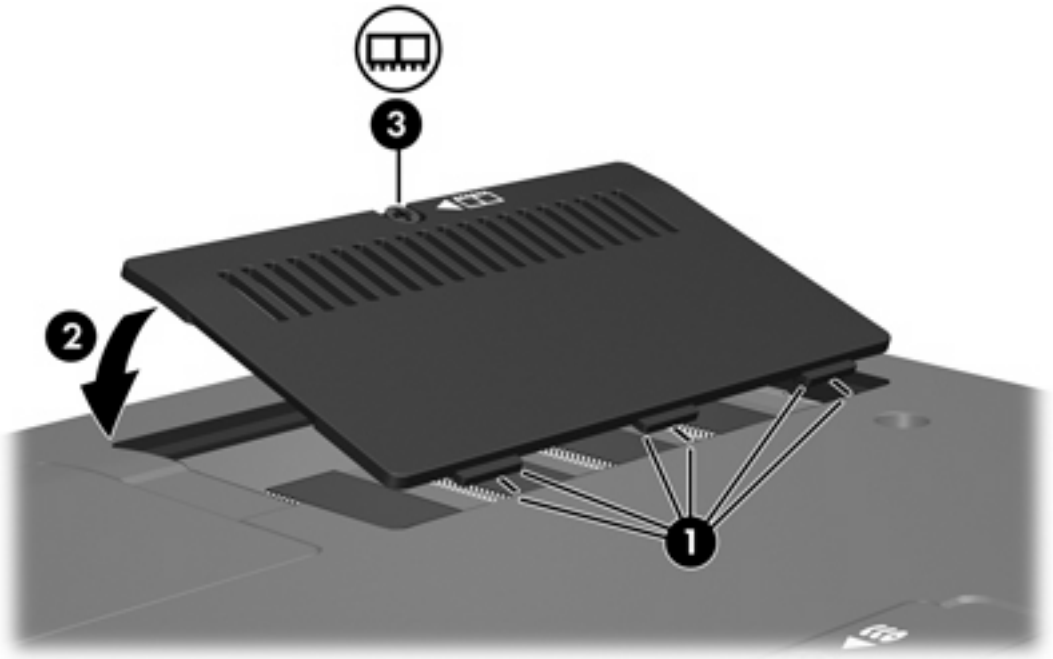
b. With the memory module at a 45-degree angle from the surface of the memory module compartment, press the module **(2)** into the memory module slot until it is seated.

c. Gently press the memory module **(3)** down, applying pressure to both the left and right edges of the memory module, until the retention clips snap into place.

CAUTION To prevent damage to the memory module, be sure that you do not bend the memory module.



12. Align the tabs **(1)** on the memory module compartment cover with the notches on the computer.
13. Close the cover **(2)**.
14. Tighten the memory module compartment cover screw **(3)**.



15. Replace the battery pack.
16. Reconnect external power and external devices.
17. Turn on the computer.

    If the computer displays a message indicating that the size or configuration of the memory has changed, press f1 to save the changes.

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