

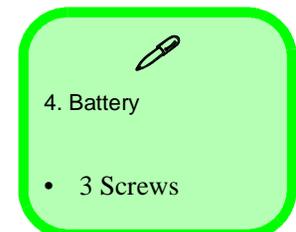
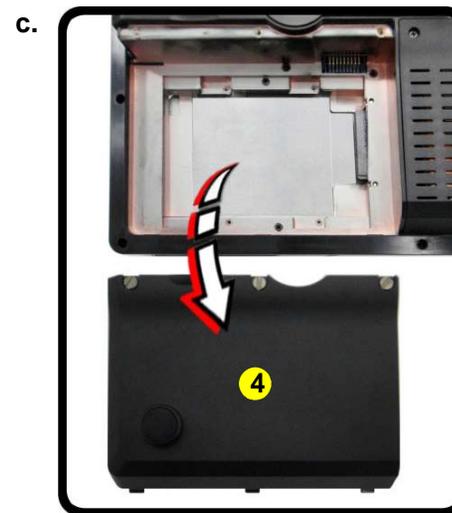
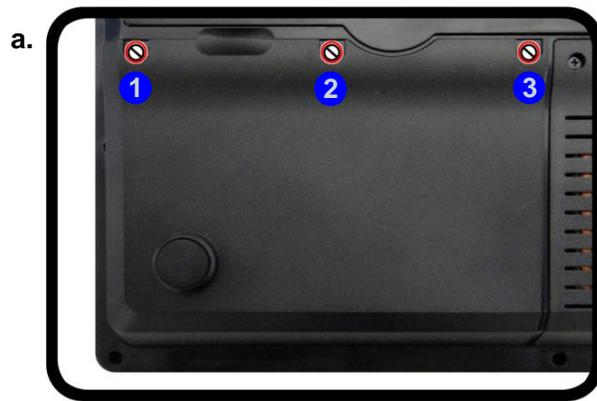
## Removing the Battery

If you are confident in undertaking upgrade procedures yourself, for safety reasons it is best to remove the battery.

1. Turn the computer off, remove the AC/DC adapter and turn it over.
2. Loosen screws ① - ③ and carefully lift the battery ④ up.
3. Lift the battery ④ up (*Figure b*) and out of the battery bay.

*Figure 1*  
**Battery Removal**

- a. Loosen the screws.
- b. Release the battery.
- c. Lift the battery out of the bay as indicated.



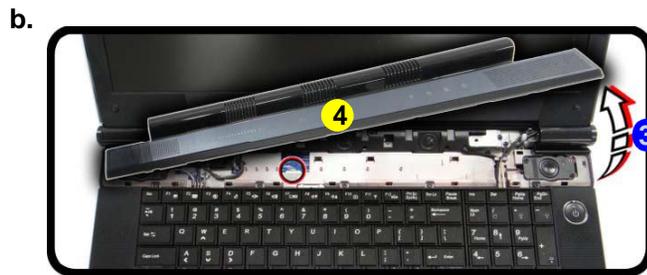
## Disassembly

*Figure 6*  
Keyboard  
Removal

- Remove the screws from the bottom of the computer.
- Turn the computer over, open the lid/LCD and unsnap the LED cover at point 3.
- Lift the LED cover module and disconnect the cable.
- Remove the screws from the keyboard.

## Removing the Keyboard

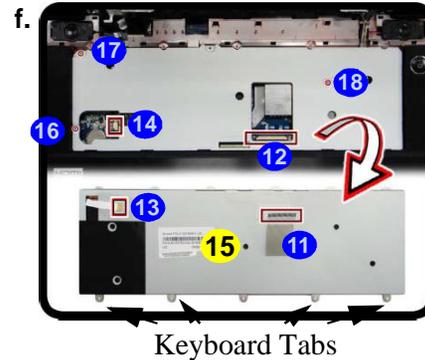
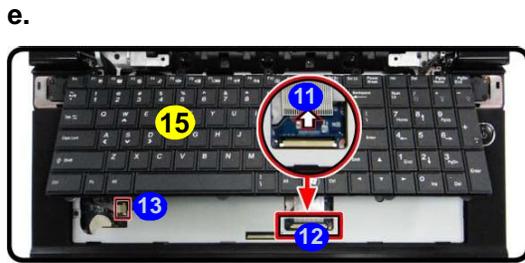
- Turn off the computer, and turn it over and remove the battery ([page 2 - 5](#)).
- Remove screws ① & ② from the bottom of the computer.
- Turn the computer over, open the Lid/LCD, and carefully (a cable is connected to the underside of the LED cover module) unsnap up the LED cover module ④ from point ③ on the right.
- Lift up the LED cover module ④ and disconnect the cable ⑤.
- Remove screws ⑥ - ⑩ from the keyboard.



4. LED cover module

- 7 Screws

6. Carefully lift the keyboard up, being careful not to bend the keyboard ribbon cable.
7. Disconnect the keyboard ribbon cable **11** from the locking collar socket **12**, and the keyboard LED cable **13** from its locking collar socket **14**.
8. Remove the keyboard **15**, and screws **16** - **18** from the keyboard shielding plate.



**Re-Inserting the Keyboard**

When re-inserting the keyboard firstly align the **five** keyboard tabs at the bottom (*Figure 7f*) at the bottom of the keyboard with the slots in the case.

*Figure 7*  
**Keyboard Removal (cont'd.)**

- e. Disconnect the cable from the locking collar.
- f. Remove the keyboard.
- g. Snap down the LED cover.
- h. Push the LED cover on the left side at point **22** and the slide toward the right to secure it in place.

9. Reverse the process to replace the keyboard (make sure to reconnect the keyboard cable).
10. Snap the LED cover module **19** at the top fo the module at point **20** & **21**.
11. Push the LED cover module down on the left side at point **22**, and then slide the module to the right (as illustrated) and snap down to secure it in place.
12. Replace the screws on the bottom of the computer.



15. Keyboard  
19. LED cover module

- 3 Screws

## Disassembly

*Figure 8*  
**RAM-1 Module Removal**

- Remove the keyboard shielding plate.
- Pull the release latch.
- Remove the module(s).

### Contact Warning

Be careful not to touch the metal pins on the module's connecting edge. Even the cleanest hands have oils which can attract particles, and degrade the module's performance.

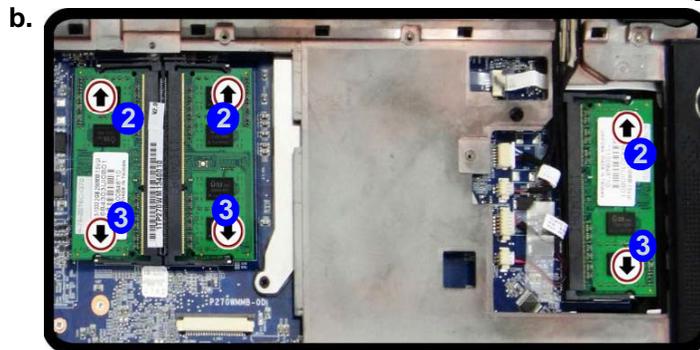
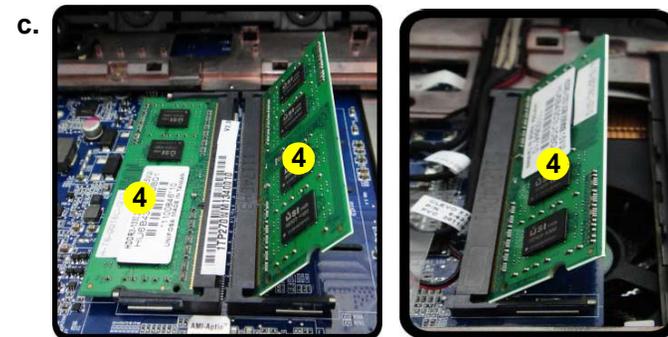
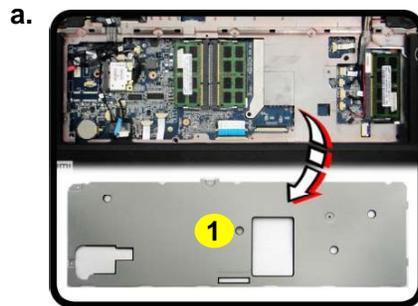
- Keyboard Shielding Plate
- RAM Module(s)

## Removing the System Memory (RAM) -1

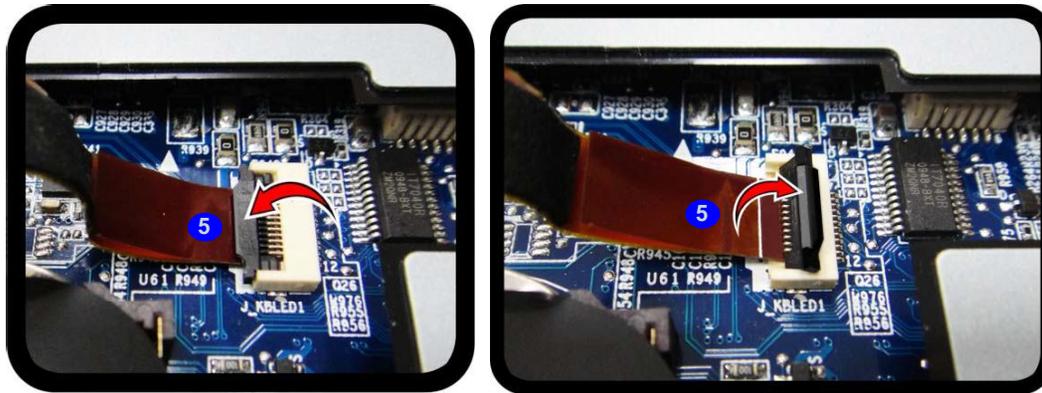
The computer has three memory sockets for 204 pin Small Outline Dual In-line Memory Modules (SO-DIMM) DDR III (DDR3) supporting 1333/1600 MHz. The main memory can be expanded up to 32GB. The total memory size is automatically detected by the POST routine once you turn on your computer.

### Removing the Primary System Memory (2 memory sockets)

- Turn off the computer, and turn it over and remove the battery ([page 2 - 5](#)), and keyboard ([page 2 - 10](#)).
- Remove the keyboard shielding plate **1** ([Figure 8a](#)).
- Gently pull the two release latches (**2** & **3**) on the sides of the memory socket in the direction indicated by the arrows ([Figure 8b](#)).
- The RAM module **4** will pop-up ([Figure 8c](#)), and you can then remove it.



5. Pull the latches to release the second module if necessary.
6. Insert a new module holding it at about a 30° angle and fit the connectors firmly into the memory slot.
7. The module's pin alignment will allow it to only fit one way. Make sure the module is seated as far into the socket as it will go. DO NOT FORCE the module; it should fit without much pressure.
8. Press the module in and down towards the mainboard until the slot levers click into place to secure the module.
9. Replace the screws and shielding plate.
10. Replace the keyboard and make sure you reconnect the keyboard cable and keyboard LED cable.
11. When reconnecting the keyboard LED cable **5**, insert the cable so that the gold colored contact is facing upwards to fit inside the connector. Make sure you tuck the cable into the recess in the shield plate to avoid trapping it between the keyboard and the shielding plate.



12. Reconnect the LED module cable and reinstall the LED cover module (see [Figure 7 on page 2 - 11](#)).
13. Replace the screws on the bottom of the computer.
14. Restart the computer to allow the BIOS to register the new memory configuration as it starts up.