Chapter

4

Upgrade & Replacement

*Follow the individual procedures in this chapter to perform the
notebook's upgrade and replacement of various major components.*

A sus Z93E Series Notebook is an all-in-one product .The key upgradeable and replaceable items include the CPU module, HDD module, Wireless Lan module, Memory module and ODD module.

Be sure to follow the safety instructions described in Chapter 1 to safeguard the notebook against any potential damages. For any other components not covered in this chapter which you need to replace, please refer to Chapters 3 and 4 for detailed disassembly and assembly and perform necessary procedures accordingly.

This chapter includes the following items:

- CPU Upgrade
- HDD Upgrade
- Wireless Lan Upgrade
- Second Memory Upgrade
- Main Memory Upgrade
- ODD Upgrade

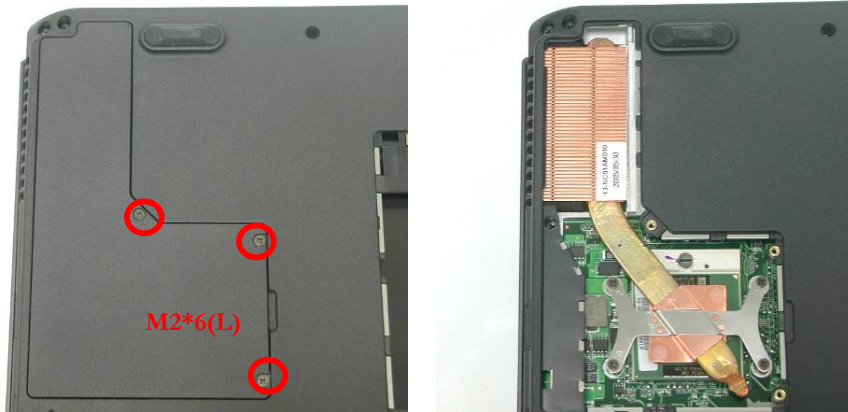# CPU Module

The illustrations below show how to remove the CPU module from the notebook.

Removing CPU

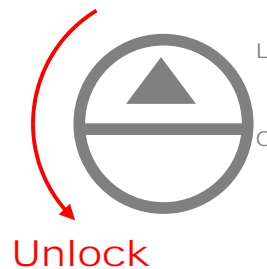1.   Remove 3 screws [M2 * 6(L)] and take the DIMM door away.

M2*6(L)

2.   Remove 4 screws [M2 *4(L)] by order and take the CPU heat sink module away.
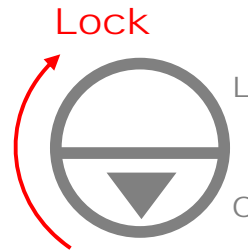

3.   Turn the non-removable screw 180 degrees counter-clockwise to loosen the CPU. Squeeze the vacuum handling pump and use it to lift the CPU away.

4.   Don't touch the die above the CPU. And remove the CPU away.

5.   Remove CPU thermal pad from CPU die with a pair of tweezers.

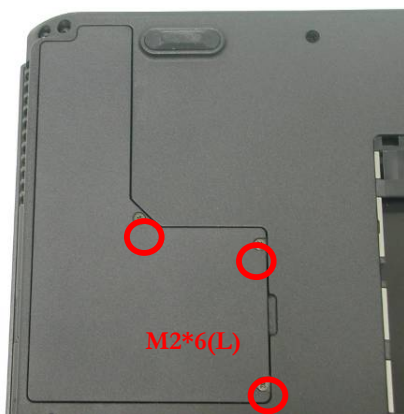
L

O

Unlock

Installing CPU module

1. Apply a new thermal pad on the CPU die and use vacuum handling tool to insert CPU to Molex socket.
2. Turn the non-removable screw 180 degrees clockwise to secure the CPU.

Lock

L

O

3. Install the CPU heat sink module and secure 4 screws [M2 *4(L)] by order paste 1 warranty label.

4. Install the DIMM door and secure 3 screws [M2 * 6(L)] to fix it.

M2*6(L)

HDD Upgrade

The Z93E Series Notebook uses an industry-standard 2½" HDD with IDE interface. You can replace the HDD to any capacity of your choice within our approval and prior test.
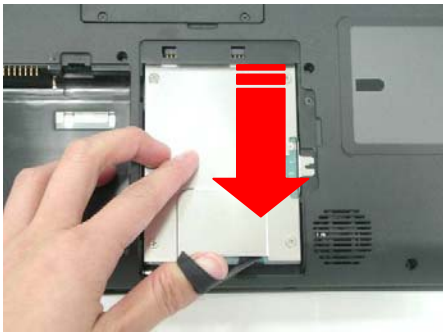
First, remove AC-power and battery.
Removing HDD Module
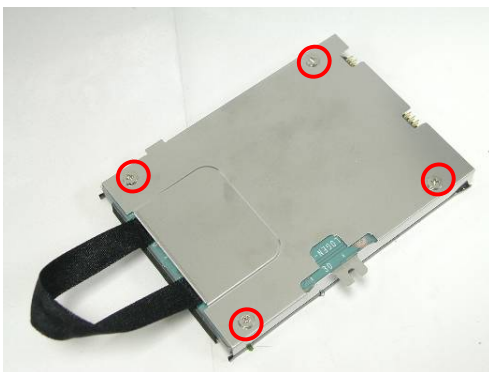1.   Remove 2 screws [M2 * 6(L)] here. And lift the cover away.

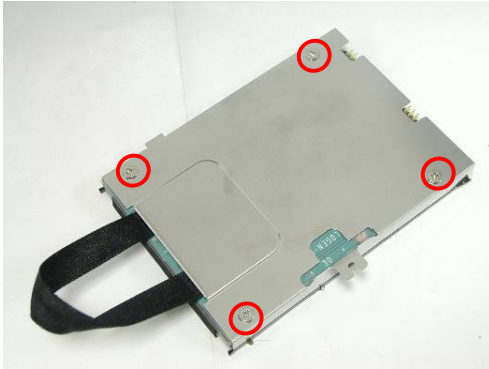2.   Pull out the hard drive and lift the hard drive away.

Disassembling HDD Module

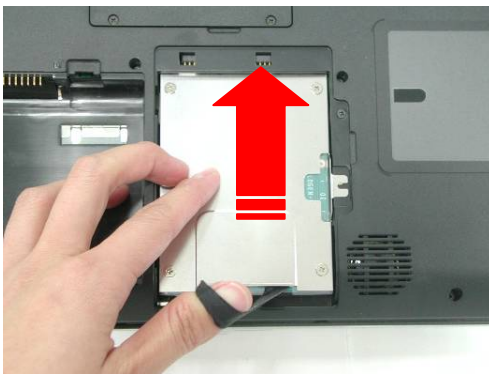3.   Remove 4 screws [M2 * 3(L)]] to separate HDD from HDD housing.

Installing HDD module

4. Secure 2 screws [M2 * 3(L)] and 2 screws on the other side [M2 * 3(L)].

5. Plug in the hard drive into HDD slot.

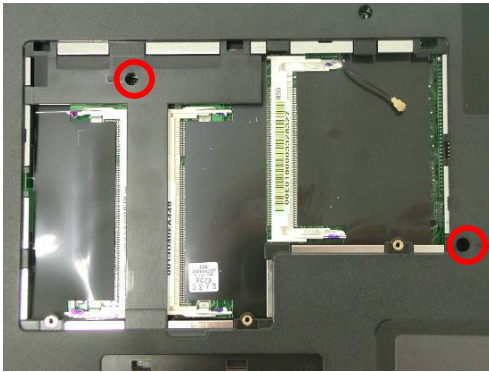6. Install the HDD cover, secure 1 screws [M2 * 6(L)].

Wireless LAN Upgrade

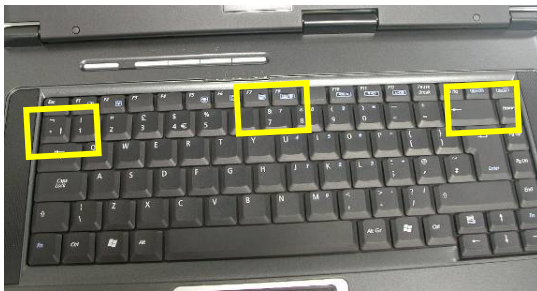The below showed you how to replace the Wireless LAN module on Z93E.

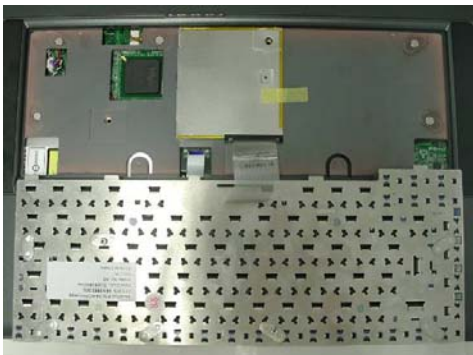*First, remove AC-power and battery.*

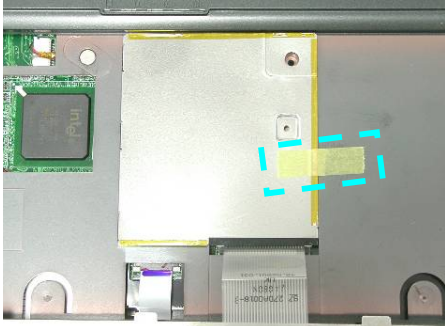### Removing Keyboard

1. Remove 2 screws (M2*8L).

2. Turn over the NB and push the 3 latches in with a pair of tweezers or a single-slotted screwdriver and lift the keyboard up.

3. Lay the keyboard down over the touch pad module. Do not remove the keyboard yet. The keyboard FPC is still attached.

4.   Remove 1 yellow tape and take away the Mini-PCI bracket.

5.   Disconnect the MAIN & AUX Antenna and open the two latches to pop
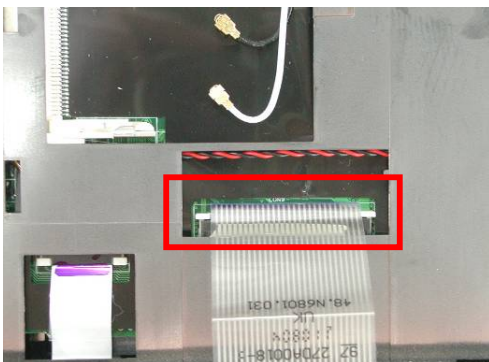   the MINI PCI MODULE up then pull it out.

Installing WLAN module
The illustrations below show how to install Wireless LAN module.

6.   Insert the keyboard FPC into the keyboard connector, and tighten the
      connector.

Wireless LAN Module

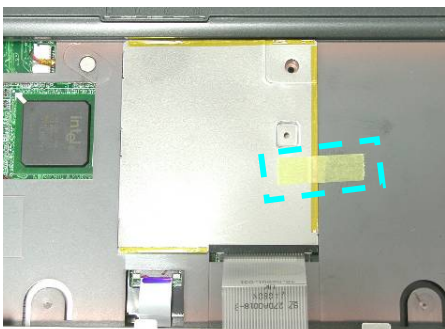The illustrations below show how to install Wireless LAN module.

7. Insert the wireless LAN module into the mini-PCI socket at the angle of 45 degrees, and then push it down to latch the module.
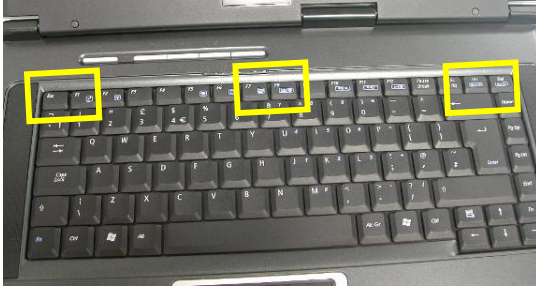

8. Insert antenna into WLAN card terminal and take the black antenna insert into main terminal and the white antenna insert into aux terminal.
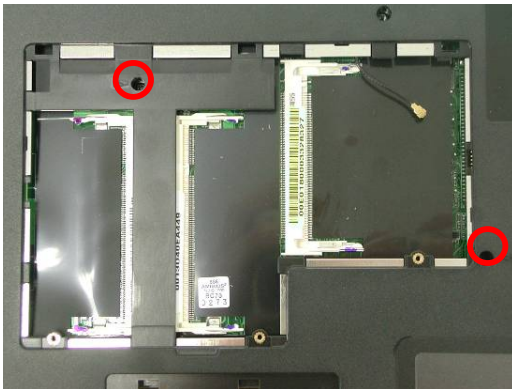

9. Install the Mini-PCI bracket and paste 1 yellow tape to fix it.

10. Lay the keyboard down until it snaps into place.
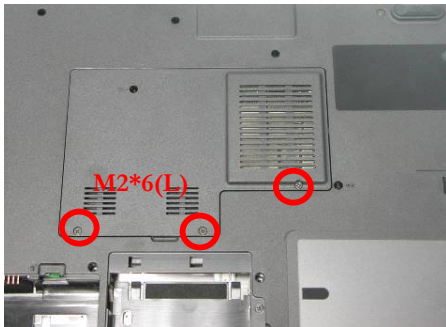

11. Secure 2 screws (M2*8L) on bottom case.

Second Memory Upgrade

The Z93E Series Notebook has two expansion SO-DIMM slots for you to upgrade the total memory up to 2GB with two DDR2-533 1024 MB SO-DIMM RAM modules, here introduce you the second memory slot.
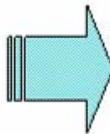
First, remove AC-power and battery.

Removing Memory module

1. Remove 3 screws [M2 * 6(L)] and take the DIMM door away.

2. Remove the Memory module by opening the latches which will pop the module up to a 45° angle and then pulling out the module.
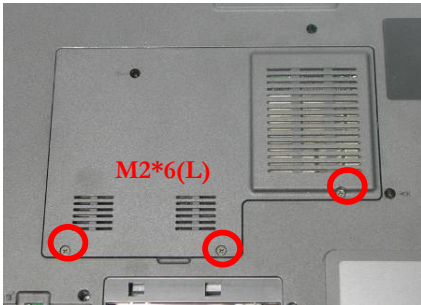
**MEMORY
INSTALL**

Memory Install

3. Insert the memory into the memory socket at the angle of 45 degrees, and then push it down to latch the memory.

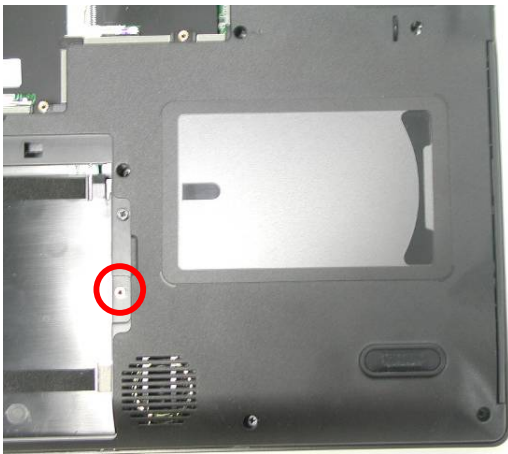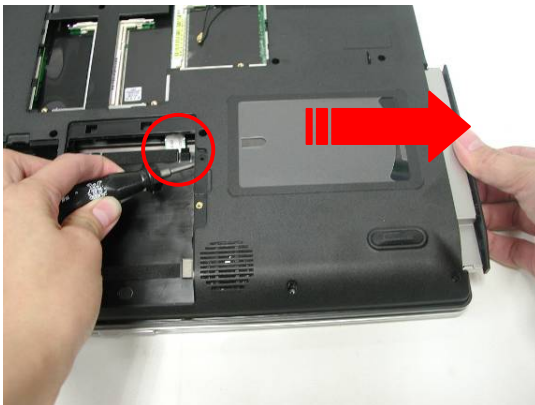4. Install the CPU door and secure 3 screws [M2 * 6(L)] to fix it.

ODD Upgrade

The below showed you how to replace a new ODD drive on Z93E.

First, remove AC-power and battery.

1. Remove the rubber and remove 1 screw [M2 * 6(L)] from the bottom case.

2. Put the screw driver here and push the ODD drive out from the NB.

ODD Install

1. Insert the ODD drive until it clicks into place.

2. Secure 2 screws [M2 * 4(L)] and install the rubber on the bottom case.