Installation & Replacement

Follow the procedure in this guide to perform the notebook's installation and replacement of various major components.

Z60Np Series Notebook combines simplicity, elegance and the most advanced innovations in mobile computing to provide robust wired and wireless performance at lower power levels never seen before. The key installation and replaceable items include the HDD module, Memory module, CPU Module, Optical Drive module and Mini-PCI module.

Be sure to follow the safety instructions described in precaution section to safeguard the notebook against any potential damages.

This guide includes the following items:

- Appropriate Tools
- Precautions
- HDD Module Installation & Replacement
- Memory Module Installation & Replacement
  ►Second Memory Module
  ►First Memory Module
- CPU Module Installation & Replacement
- Optical Drive Module Installation & Replacement
- Mini-PCI module Installation & Replacement

TOOLS

Appropriate Tools

The illustrations below show the appropriate tools that should be used for the notebook's service and repair.

CROSS SCREW-DRIVER

Phillips-head Screwdriver

Use a Phillips-head screwdriver to fasten/remove the K- or B-typed screws.

FLATHEAD SCREW-DRIVER

Single-Slotted Screwdriver

Use a single-slotted screwdriver to lock/unlock the flexible cable connector locks

TWEEZERS

Tweezers

Use a pair of tweezers to remove/insert flexible cables.

INSERTION AND EXTRACTION TOOL FOR FPC CONNECTOR

Insertion and extraction tool for FPC connector

Use insertion and extraction tool for FPC connector to handle locking and unlocking of FPC connectors.

VACUUM HANDLING TOOL

Vacuum Handling Tool

Please pay special attention to the cautions below to prevent any damages to the notebook and also please be sure to select the appropriate tools described in this section to perform any services desired.

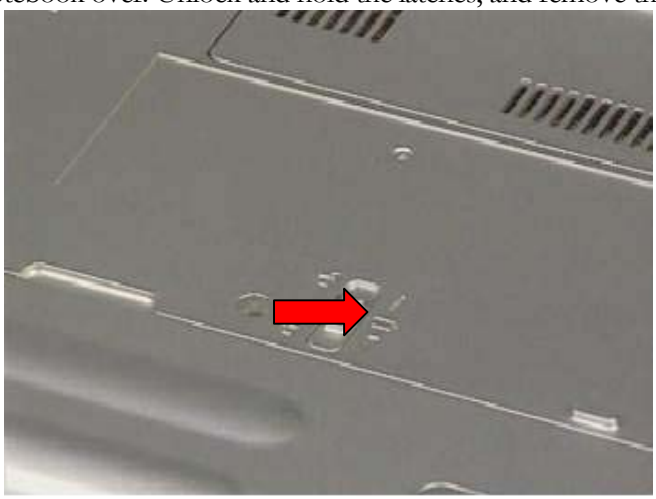
CAUTIONS

Precautions

Before you perform any service and/or repair on the notebook, please follow the steps below first.

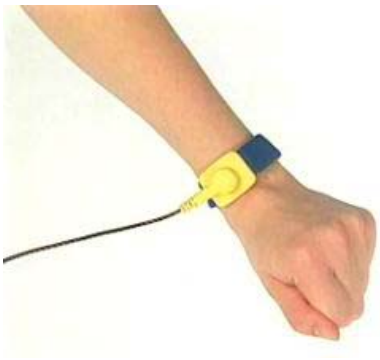
1. Be sure that the notebook is powered down.
2. Disconnect the AC plug from the notebook

3. Turn the notebook over. Unlock and hold the latches, and remove the battery .



3. Remove all rings, watches and any other metal objects from your hands.

4. Always wear a ground strap on your hand to protect the notebook from static discharge.



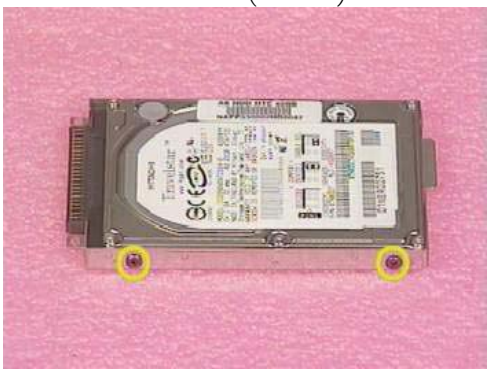
HDD Module

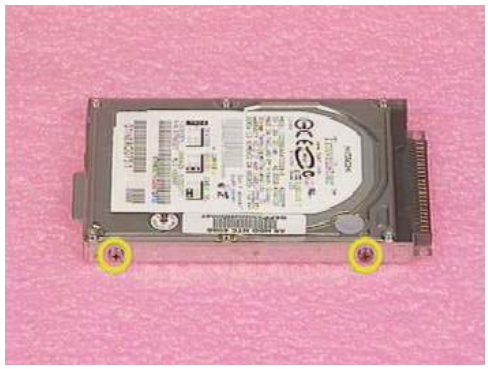
The Z60Np series Notebook uses an industry-standard 2½ HDD with IDE interface. You can replace the HDD to any capacity of your choice within our approval and prior test

First, remove AC-power and battery.

1. Remove 2 screws(M2*4L), then remove the HDD cover and pull out the HDD module

2. Remove 2 screw (M2*4L) on both sides

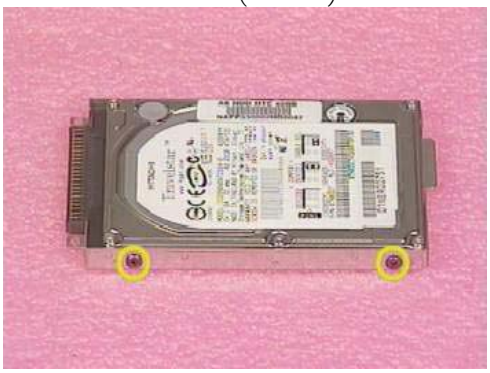


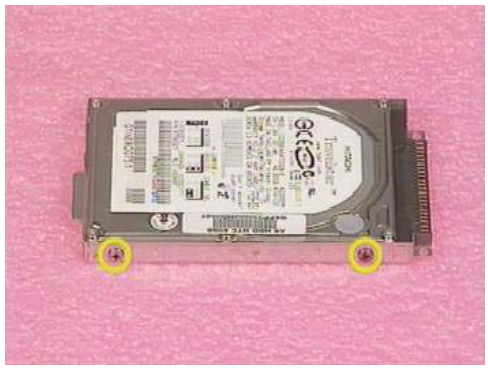


3. Take away Hard-Disk from the HDD Housing

4. Replace the new Hard-Disk onto the HDD Housing.

5. Secure 2 screws (M2*4L) on both sides





6. Insert the HDD Moudule into the HDD Socket then place the HDD cover and Secure 2 screws (M2*4L) to complete the Hard-Disk installation and replacement.

MEMORY MODULE

Memory Installation

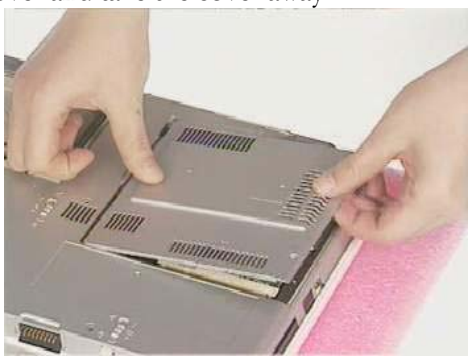
The Z60Np Series Notebook does not have onboard RAM. There are two SO-DIMM sockets for installing SO-DIMM RAM. It can upgrade the total memory size up to 1GB with a 512MB module on each socket.

First, remove AC-power and battery.

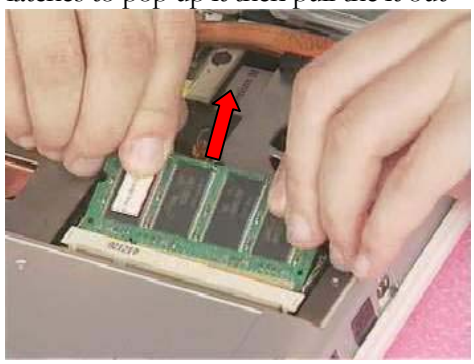
SECOND MEMORY MODULE

Upgrading Second Memory Module

1. Remove 2 screws(M2*4L) from CPU Cover and take the cover away

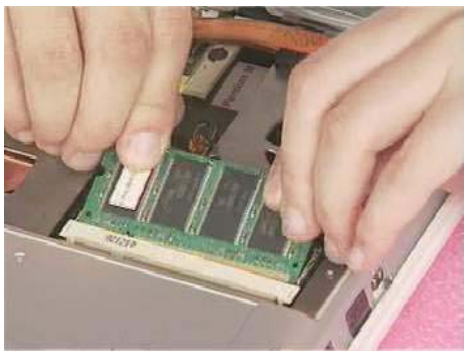


2. Remove SO-DIMM by opening the two latches to pop up it then pull the it out

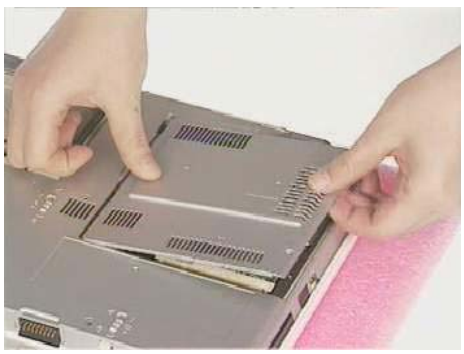


3. Insert the new Memory module into the memory socket at the angle 45 degrees, push it in the socket then replace the down to latch the memory

module



4. Place the CPU Cover then Secure 2 screws (M2*4L) to fix it



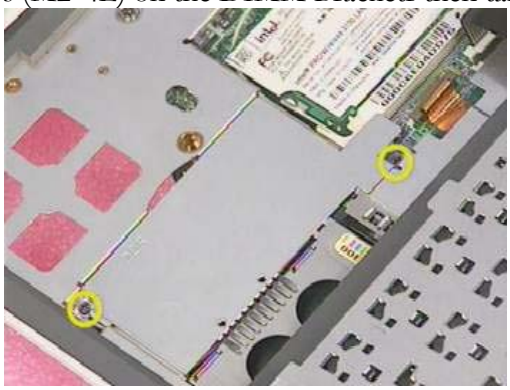
FIRST MEMORY MODULE

Upgrading First Memory Module

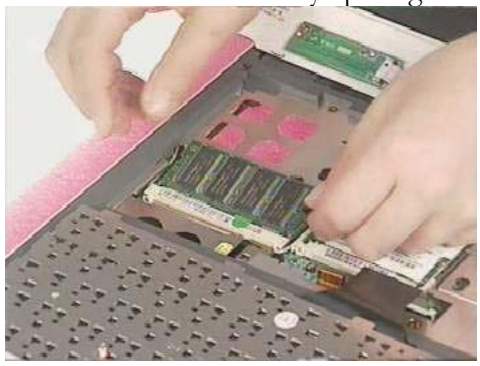
1. Use the tool to prop the keyboard cover up and slide to the right and press key "F7" then turn over the keyboard cover at the same time.

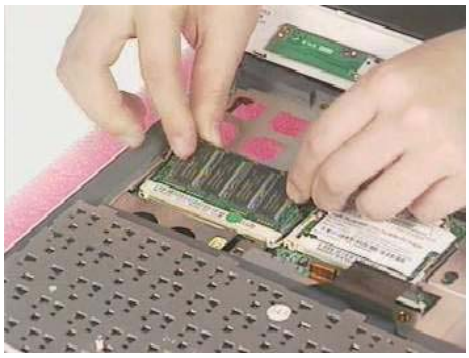
2. Remove 2 screws (M2*2.5L) of the keyboard. Then turn over the keyboard

3. Remove 2 screws (M2*4L) on the DIMM Bracketr then take it away

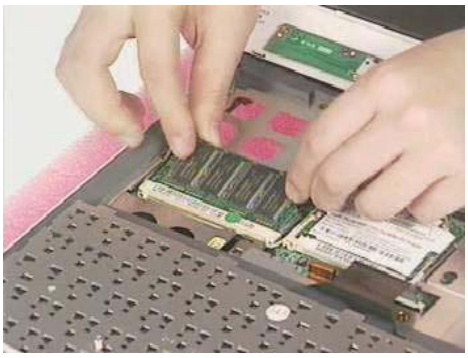


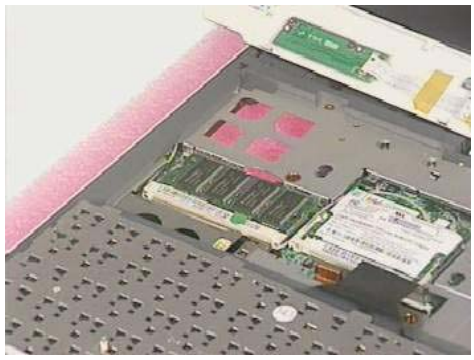
4. Remove SO-DIMM by opening the two latches to pop up it then pull the it out





5. Insert the new Memory module into the memory socket at the angle 45 degrees, push it in the socket then replace the down to latch the memory module





6. Place DIMM Bracket and secure 2 screws (M2*4L) to fix it

7. Install the Keyboard module into chassis properly and secure 2 screws (M2*3L) to fix it

8. Place the K/B COVER on top case then push the K/B COVER rightward to lock it.

CPU MODULE

CPU Module

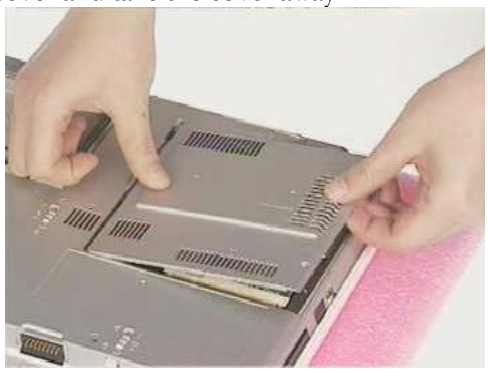
The Z60Np Series Notebook comes standard with a Intel®'s µFC-PGA Socket on the motherboard, which means it can support all µFC-PGA CPUs up to 1.7 GHz.

First, remove AC-power and battery.

CPU REMOVAL

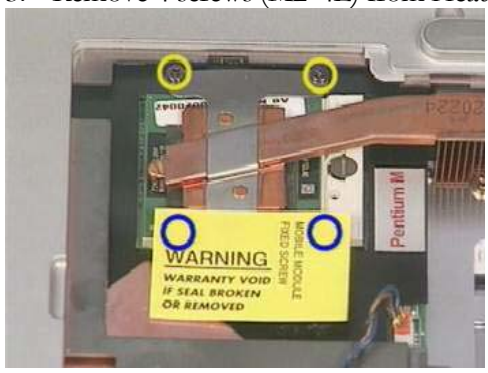
Removing CPU

1. Remove 2 screws(M2*4L) from CPU Cover and take the cover away



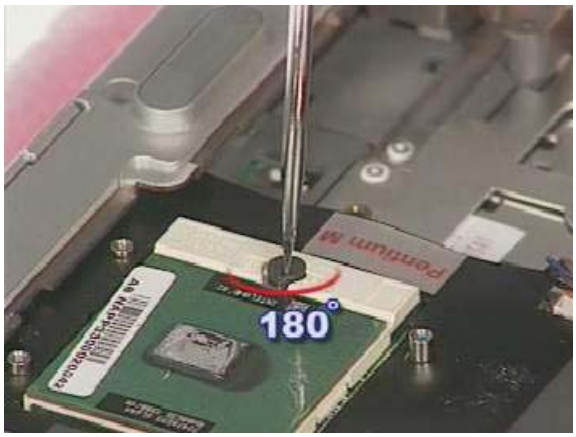
2. Remove type and remove 2 screws (M2*4L) from FAN then take the CPU Fan over

3. Remove 4 screws (M2*4L) from Heat-Sink then take the CPU heat-sink away



4. Carefully remove the CPU thermal pad

5. Turn the non-removable screw here 180 degrees counter-clockwise to loose the CPU

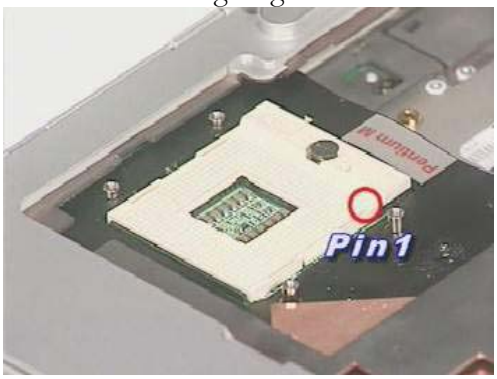


6. Don't touch the die above the CPU. Then use the CPU vacuum hand pump to "suck up" the CPU and take the CPU away.

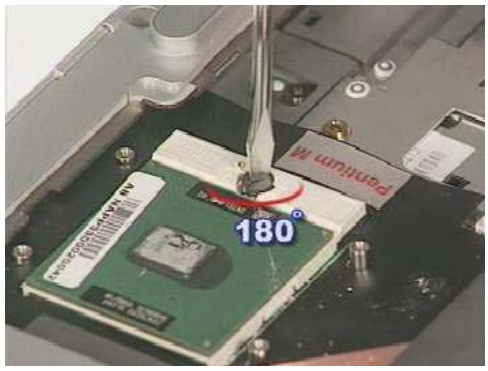
CPU INSTALLATION

Installing CPU

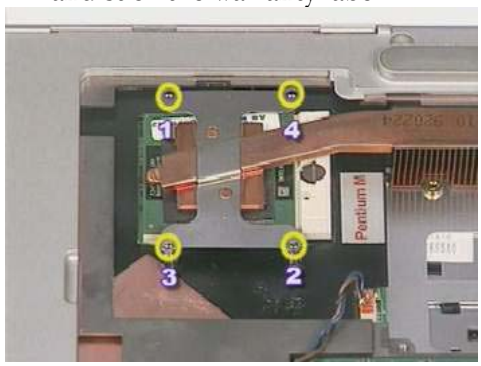
1. Use the CPU vacuum to "suck up" the CPU then install CPU onto the socket, make the triangle sign on the CPU match the socket triangle sign.



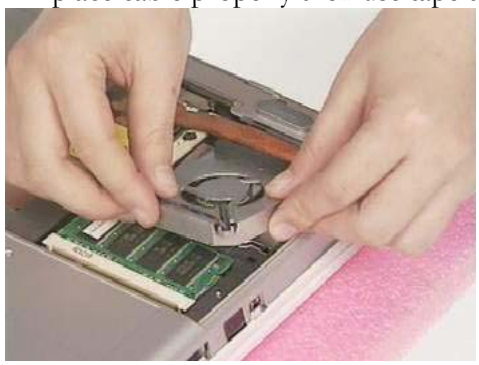
2. Turn the non-removable screw here180 degrees clockwise to fix the CPU and stick thermal pad on the CPU die



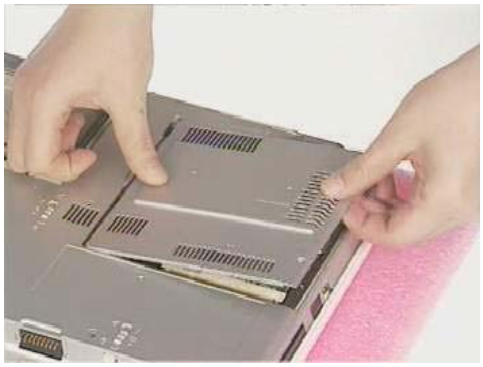
3. Place the CPU Heat-Sink on CPU then secure 4 screws (M2*4L) in sequence and stick the warranty label



4. Place the CPU fan in the proper location then secure 2 screws (M2*4L) and place cable properly then use tape to fix it



5. Place the CPU Cover then Secure 2 screws (M2*4L) to fix it



First, remove AC-power and battery.

OPTICAL DRIVER REPLACEMENT

Optical Drive Module Replacement

1. Unlock and hold it then pull the optical drive out

2. Insert the Optical Drive into the system

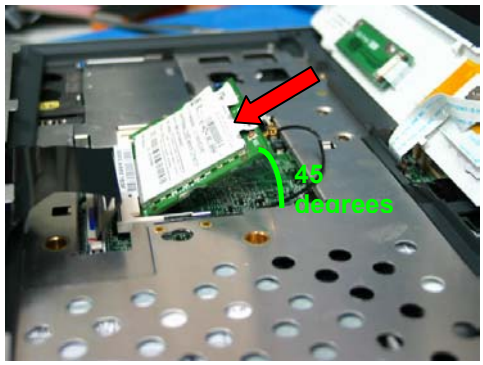
INSTALLATION OF MINI-PCI MODULE

Installing Mini-PCI module

1. Use the tool to prop the keyboard cover up and slide to the right and press key "F7" then turn over the keyboard cover at the same time.

2. Remove 2 screws (M2*2.5L) of the keyboard. Then turn over the keyboard

3. Insert the mini-PCI module at 45 degrees angle, and then push it down to secure.


45
degrees