# 7521P Configuration Guide

This Configuration Guide provides information on installing/replacing the field-installable parts.

*NOTE: Before you start to install/replace these modules, make sure the notebook is not turned on or connected to AC power.*

## ■ Installing the CPU

1.  Carefully put the notebook upside down.

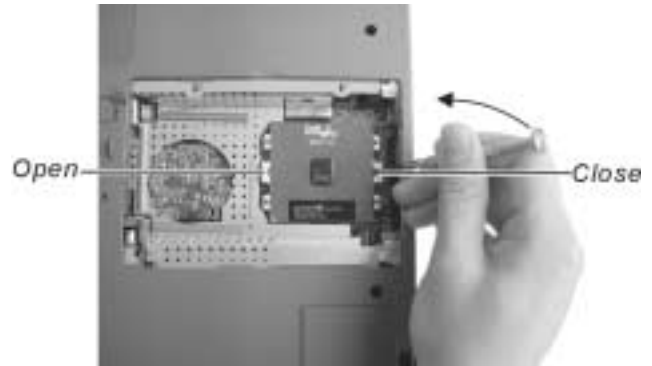2.  Remove two screws locking the CPU compartment cover, then lift the cover up.



3.  Align the arrowhead corner of the CPU with the beveled corner of the socket and insert the CPU pins into the holes.



*CAUTION: Make sure that the CPU's position is properly fit to the socket.  **NEVER** use force to insert the CPU into the socket.  Otherwise, the pins on CPU may be bent and damaged.*
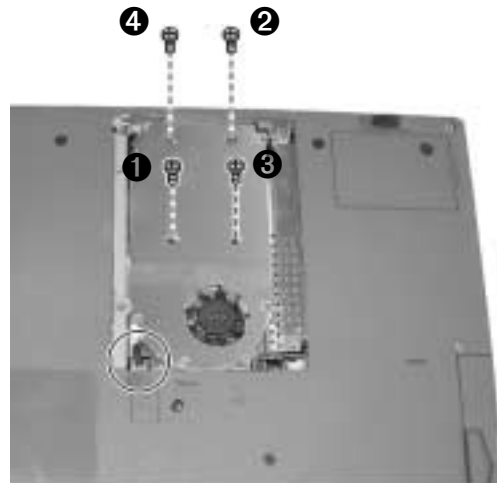
4.  Insert the flat screwdriver into the "CLOSE" hole of the socket, then push the screwdriver toward the CPU to secure the CPU in place.



When removing the CPU, insert the screwdriver into the "OPEN" hole of the socket, then push the screwdriver toward the CPU to free it.

*CAUTION: The maximum force for inserting/extracting of the CPU should not exceed 100 lbs (45.5 kg).  Otherwise, the circuit inside the CPU board may be damaged.*

5.  Connect the fan's power cord to the system board, fit the heatsink onto the top of the CPU and secure with four screws[*].



---

[*] In order to tighten the four screws correctly, the sequence should be: ❶ half-tightened → ❷ full-tightened → ❶ full-tightened → ❸ half-tightened → ❹ full-tightened → ❸ full-tightened

*NOTE: Make sure that the thermal pad under the fan is not damaged. If it is damaged, you have to replace it with a new thermal pad.*

6. Replace the CPU compartment cover and secure with two screws.

7. For a Pentium III FSB 133/100/66Mhz, set the switch according to the CPU installed. (See Page 4.)

## ■ Expanding Memory

1. Open the top cover.

2. Press the locking latch downward to unlatch the LED panel (❶) and lift it from the left side (❷).



3. Slightly lift up the keyboard to access the SO-DIMM socket.



4. To install the SO-DIMM, match the SO-DIMM's notched part with the socket's projected part and firmly insert the SO-DIMM into the socket at 20-degree angle (❶). Then push down until the retaining clips lock the SO-DIMM into position (❷).



## ■ Replacing the Battery Pack

1. Carefully put the notebook upside down.

2. Turn the locking button to the "unlock" ( ) position (❶), then slide and hold the latch in the unlock position and pull the battery pack out of the compartment (❷).



3. To replace the old battery with a new one, insert the battery pack into the compartment. The battery pack should be correctly connected when you hear a clicking sound. Turn the locking button to the "lock" ( ) position.

## ■ Replacing the Fax/Modem Card

1. Carefully put the notebook upside down.

2. Remove one screw locking the modem card compartment cover, then lift the cover up.

3. Remove one screw fastening the connector board and the grounding cable.



4. Slightly lift up the connector board and remove one screw fastening the modem card. Now you can take out the modem card from the compartment.



5. To replace the old card with a new one, connect the new card into the system board and secure with one screw.

6. Hold the connector board an angle so that the phone line connector is pointed towards the opening on the notebook. Insert the connector into the opening and secure with a screw which fastening both the connector board and the grounding cable.

7. Replace the compartment cover and secure with one screw.

### ■ Replacing the FDD/HDD Module
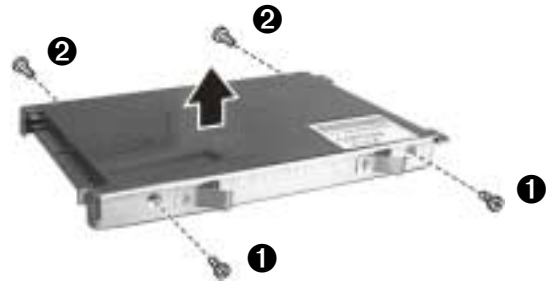
1. Carefully put the notebook upside down.

2. Remove one screw and slide the FDD/HDD module out of the compartment.



3. To take the hard disk drive apart, remove two screws of the hard disk. Then lift the hard disk up and unplug the connector to remove it.
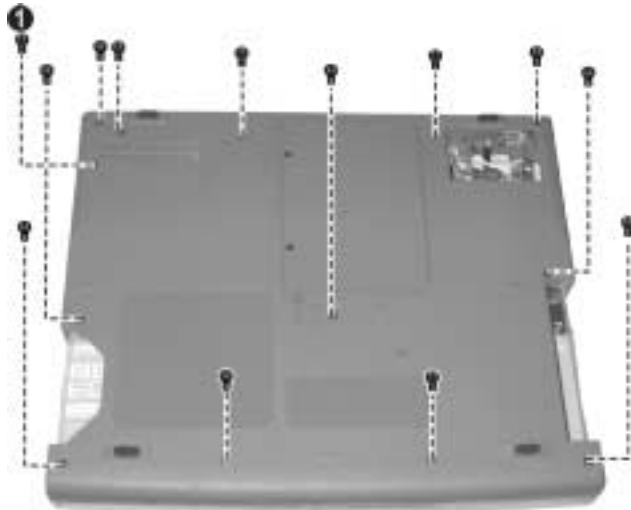


4. Remove four screws to separate the hard disk drive from the metal shield.



5. To install a new hard disk drive, place it in the bracket and first tighten two screws on the side with the fingers (❶), then tighten two screws on the other side (❷). Connect the hard disk to the connector, and secure it in place with two screws.

6. Slide the HDD/FDD module into the compartment and secure with one screw.

## ■ Replacing the CD/DVD-ROM Drive

1. Carefully put the notebook upside down.

2. Remove the battery pack.

3. Remove the modem card.

4. Remove the FDD/HDD module.

5. Remove one screw locking the CD-ROM (❶) and the other twelve screws locking the base unit frame. Then slightly lift the base unit frame up.
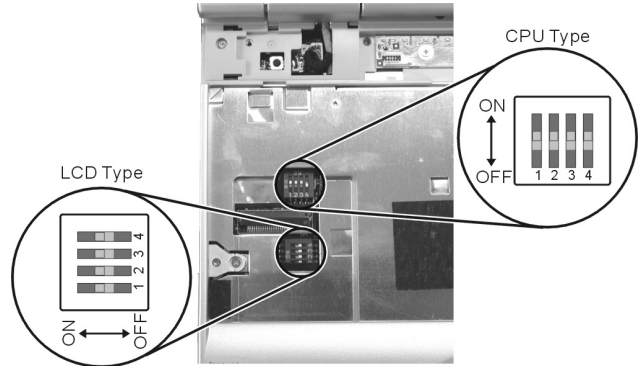


6. Hold the CD-ROM drive and slide it outward carefully.



7. To install a new CD/DVD-ROM drive, push it into the compartment, and the connector on the system board will automatically plug into the rear side of the drive.

8. Replace the base unit frame and secure with thirteen screws (includes one locking the CD-ROM drive)

9. Replace the FDD/HDD module, the modem card, and the battery pack.

## ■ Switch Settings

The switch is located under the keyboard. (See steps 1 to 3 in the "Expanding Memory" section on Page 2 for disassembly instructions.)



| CPU Frequency | SDRAM Frequency | SW1 | SW2 | SW3 | SW4 |
|---|---|---|---|---|---|
| 66 | 100 | OFF | OFF | OFF | OFF |
| 100 | 100 | ON | OFF | OFF | OFF |
| 150 | 100 | OFF | ON | OFF | OFF |
| 133 | 100 | ON | ON | OFF | OFF |
| 66 | 133 | OFF | OFF | ON | OFF |
| 100 | 133 | ON | OFF | ON | OFF |
| 100 | 150 | OFF | ON | ON | OFF |
| 133 | 133 | ON | ON | ON | OFF |
| 66 | 66 | OFF | OFF | OFF | ON |
| 83 | 83 | ON | OFF | OFF | ON |
| 90 | 90 | OFF | ON | OFF | ON |
| 95 | 95 | ON | ON | OFF | ON |
| 95 | 126 | OFF | OFF | ON | ON |
| 112 | 112 | ON | OFF | ON | ON |
| 166 | 112 | OFF | ON | ON | ON |
| 166 | 166 | ON | ON | ON | ON |

| LCD Size | Vendor | Model No. | GPIO3 /SW4 | GPIO2 /SW3 | GPIO1 /SW2 | GPIO0 /SW1 |
|---|---|---|---|---|---|---|
| 14.1" | HannStar, Chimei | HSD141PX11, N141X201 | OFF | OFF | OFF | OFF |
| 14.1" | Unipac | UP141X01-2 | OFF | OFF | OFF | ON |
| 14.1" | Hyundai | HT14X13-101 | OFF | OFF | ON | OFF |
| 15.0" | Hyundai | HT15X31 | ON | OFF | OFF | OFF |
| 15.0" | Hitachi | TX38D85VC1CAA | ON | OFF | OFF | ON |
| 15.0" | Samsung | LT150X3-124 | ON | OFF | ON | OFF |
| 13.3" | Unipac | UB133X01 | OFF | ON | OFF | OFF |