

## Upgrade & Replacement

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

**A**sus L7000 Series Notebook is an all-in-one product, which means there are less options for you to upgrade to. The key upgradeable and replaceable items include the CPU module, main memory module, HDD, CD-ROM, LCD panel and the optional modem.

In order to avoid redundancy, please refer to chapters 3 and 4 of this manual for repeated and reused disassembly and assembly procedures, such as keyboard & heat sink replacement, which is used by several different procedures in this chapter. ***Be sure to follow the safety instructions described in Chapter 2 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
- Memory Upgrade
- HDD Upgrade
- LCD Replacement
- CD-ROM Replacement
- Modem Replacement

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CPU

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## CPU Upgrade

The L7000 Series Notebook comes standard with an MMC-1 connector on the motherboard, which means it can support Intel Pentium® processor with MMX™ Technology and Pentium II Mobile Modules (IMMs) at 200/233/266/300 MHz.

### Upgrading IMM

1. Remove keyboard and heat sink plates (pp. 3-2 ~ 3-3).
2. Remove the original IMM board (p. 3-4).
3. Install the new IMM board (p. 4-13).
4. Install keyboard and heat sink plates (pp. 4-14 ~ 4-15).

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MEMORY

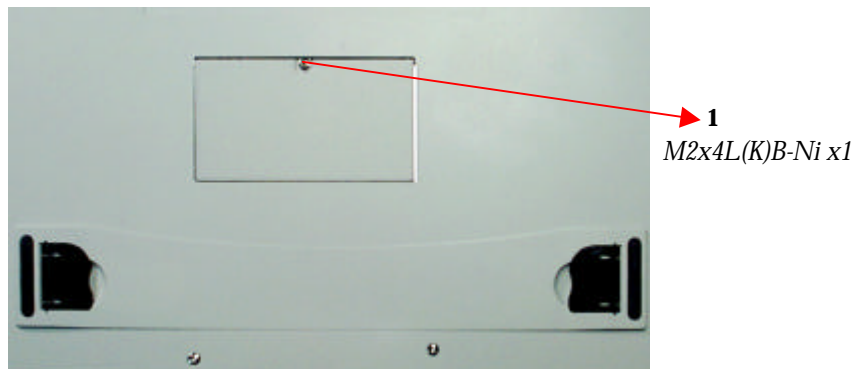
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## Memory Upgrade

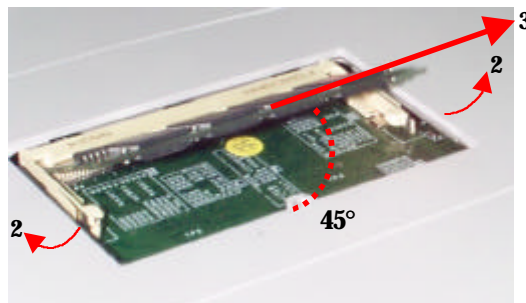
The L7000 Series Notebook comes standard with 32MB of RAM onboard. There is one expansion SODIMM socket for you to upgrade the total memory up to 160MB with a 128MB module.

### Adding SODIMM

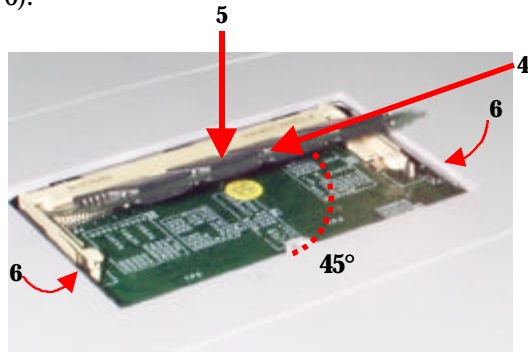
1. Remove the memory screw (no. 1) and cover.



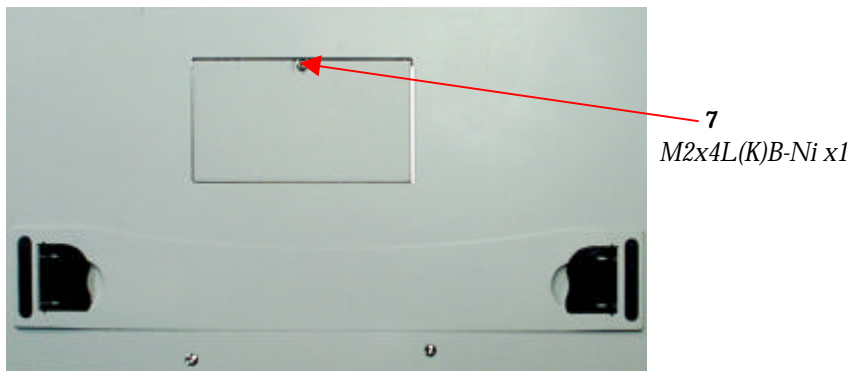
2. If there is an existing memory, remove it by opening the latches (no. 2) and pulling out the module (no. 3).



3. Insert new memory at a 45° angle (no. 4) and press down (no. 5) until it clicks into the latches (no. 6).



4. Replace the memory cover and screw (no. 7).



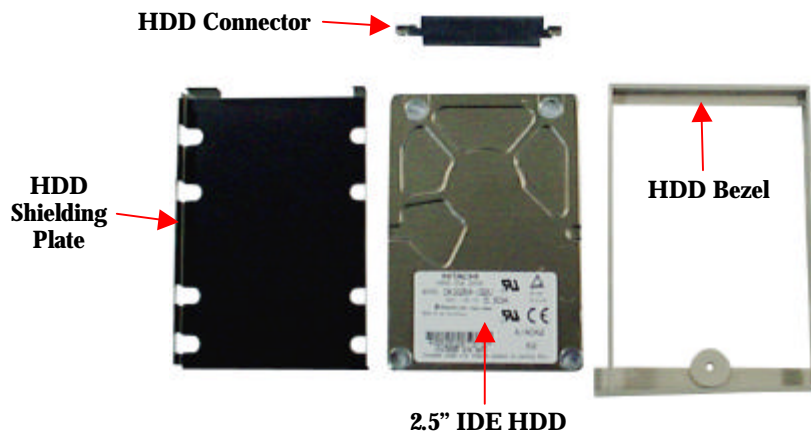
## HDD

### HDD Upgrade

The L7000 Series Notebook uses an industry-standard 2½" HDD with IDE interface. You can replace the HDD to any capacity of your choice.

#### Replacing HDD

1. Remove and disassemble HDD module (p. 3-8).
2. Assemble and install the new HDD (p. 4-10).



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 LCD
 

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## LCD Module Replacement

The L7000 Series Notebook can support a 13.3" TFT LCD or a 12.1" TFT LCD as a factory option. However, please note that the panels are not interchangeable because they use different motherboards. Thus this section is for same-sized panel replacement only. ***In order to avoid any damage to the system, please do not exchange the existing panel with one with different size.***

### Replacing LCD

1. Remove keyboard and heat sink plates (pp. 3-2 ~ 3-3).
2. Remove and disassemble LCD module (pp. 3-5 ~ 3-7). ***If you are replacing the panel as a module, then no disassembly is necessary.***
3. Assemble/Install the new LCD module (pp. 4-11 ~ 4-12).
4. Replace heat sink and keyboard plates (p. 4-14 ~ 4-15).

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 CD-ROM
 

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## CD-ROM Replacement

In the rare cases in which the CD-ROM fails to function, please follow the procedure below to replace the CD-ROM module.

### Replacing CD-ROM Drive

1. Remove keyboard and heat sink plates (pp. 3-2 ~ 3-3).
2. Remove LCD module (pp. 3-5 ~ 3-6). ***Do not disassemble the LCD module.***
3. Remove top case module (pp. 3-9 ~ 3-10). ***Do not disassemble the top case module.***
4. Remove CD-ROM drive (p. 3-12).
5. Replace with new CD-ROM drive (p. 4-7).
6. Replace top case module (p. 4-9).
7. Replace LCD module (p. 4-12).
8. Replace heat sink and keyboard plates (pp. 4-14 ~ 4-15).

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 MODEM
 

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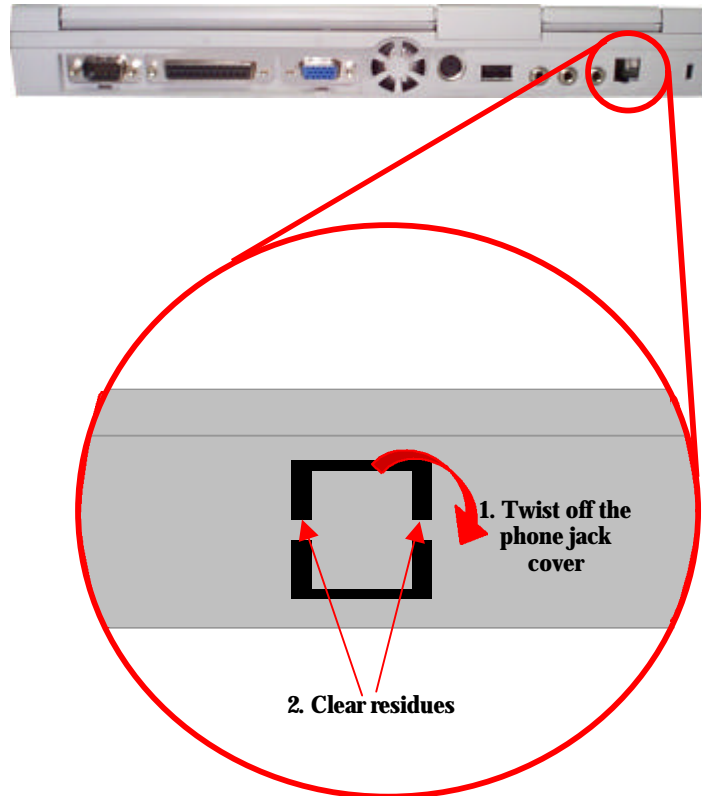
## Modem Installation

The L7000 Series Notebook has a factory option of a 56K modem, along with the appropriate phone jack to connect to a telephone line. Follow the procedure below to install the two components.

### Installing Phone Jack and Modem Board

1. Remove keyboard and heat sink plates (pp. 3-2 ~ 3-3).
2. Remove LCD module (pp. 3-5 ~ 3-6). ***Do not disassemble the LCD module.***
3. Remove HDD module (p. 3-7). ***Do not disassemble the HDD module.***
4. Remove top case module (pp. 3-9 ~ 3-10). ***Do not disassemble the top case module.***

5. Remove CD-ROM drive (p. 3-12).
6. Remove motherboard (p. 3-13 ~ 3-14). ***Do not disassemble the motherboard module.***
7. Install the phone jack and replace motherboard (p. 4-4 ~ 4-6). If the phone jack opening appears to be blocked off, then twist off the cover that conceals it to remove it (no. 1) from the back of the bottom case and clear the residual plastic off (no. 2).



8. Replace CD-ROM drive (p. 4-7).
9. Replace top case module and install the modem board (p. 4-9).
10. Replace LCD module (p. 4-12).
11. Replace heat sink and keyboard plates (pp. 4-14 ~ 4-15).

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