

Assembly Procedure

Please follow the information provided in this section to perform the complete assembly procedure of the notebook. Be sure to use proper tools described before.

After you have completed the previous chapter of complete disassembly, please follow this chapter to assemble the notebook back together. This chapter describes the procedures of the complete notebook assembly. In addition, in between procedures, the detailed assembly procedure of individual modules will be provided for your service needs.

The assembly procedure consists of the following steps:

- Motherboard Module
- CD-ROM Module
- Top Case Module
- HDD Module
- LCD Module
- CPU Module
- Keyboard and Heat Sink Plates

M / B

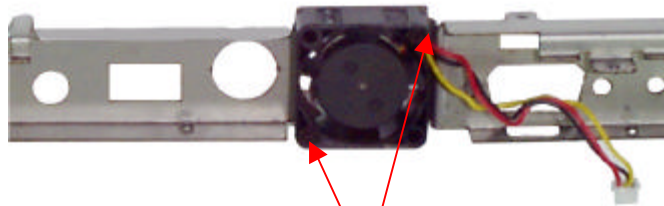
Motherboard Module

The illustrations below show how to assemble and install the motherboard module of the notebook. The module contains the motherboard itself, battery charge board, HDD bracket, I/O bracket, fan, speakers, optional modem board, PCMCIA box, BIOS chip, RTC battery, memory cover and memory module.

I / O BRACKET
& FAN
INSTALL

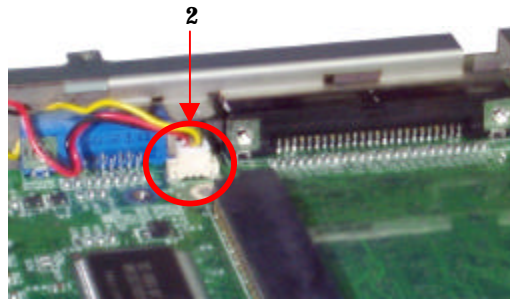
Installing I/O Bracket and Fan

1. Install the fan onto the I/O bracket and secure 2 screws on the I/O bracket (no. 1) to affix the fan.

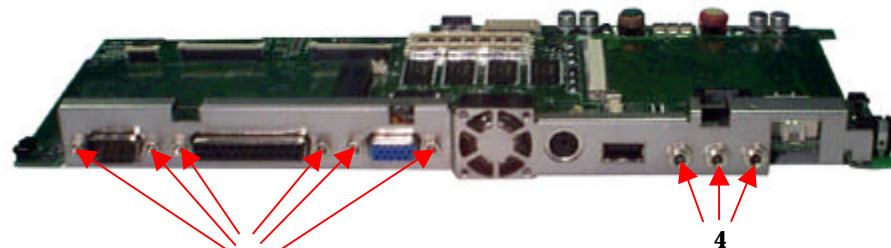


1
M2x11L(K)W-Ni x2

2. Insert the I/O bracket onto the motherboard and connect the fan cable (no. 2).



3. Secure 6 hex screws from the back of the motherboard (no. 3) with a spacer screw driver and 3 caps for the audio jacks (no. 4) with a cap remover.



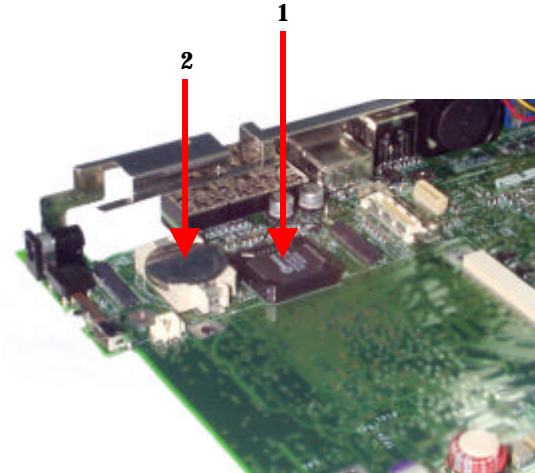
3
Hex Screw 5mm x6

4
Hex Nut 3.5 x3

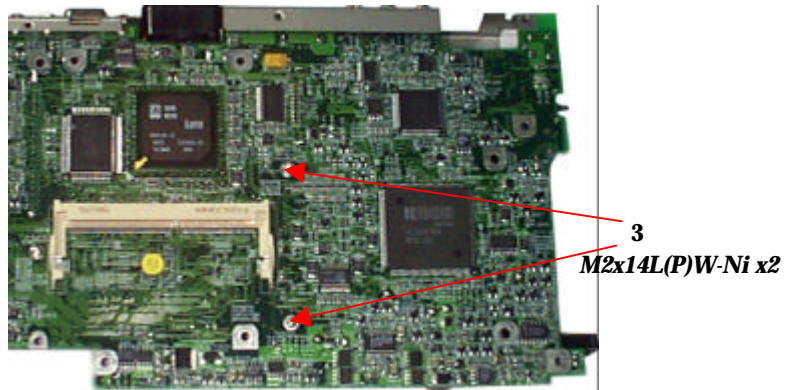
M / B
ASSEMBLY

Assembling Motherboard

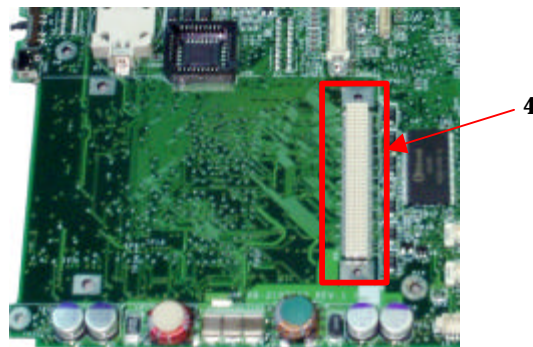
1. Firmly press the BIOS chip into the appropriate slot (no. 1).
2. Firmly press the RTC battery into the appropriate slot (no. 2).



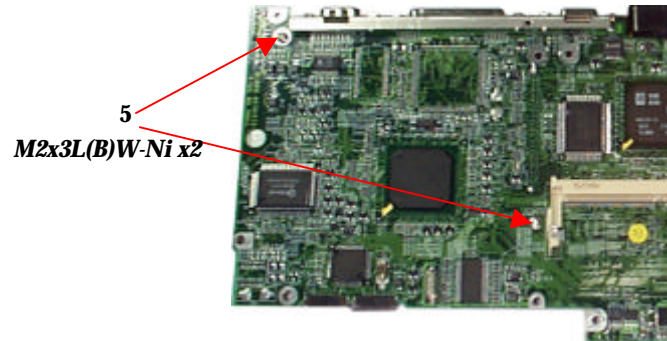
3. Place the HDD bracket onto the motherboard.
4. Secure 2 screws from the bottom of the motherboard (no. 3) to affix the HDD bracket onto the motherboard.



5. Insert the PCMCIA box onto the PCMCIA connector (no. 4) on the motherboard.



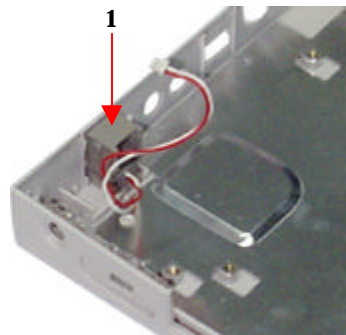
- Secure 2 screws from the bottom of the motherboard (no. 5) to affix the PCMCIA box onto the motherboard.



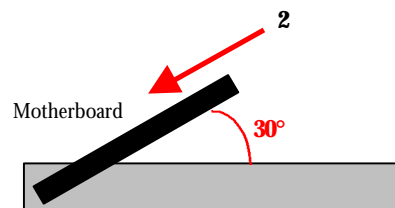
M / B I N S T A L L

Installing Motherboard

- If there is a modem to be installed, place the phone jack onto the bottom case (no. 1) now.

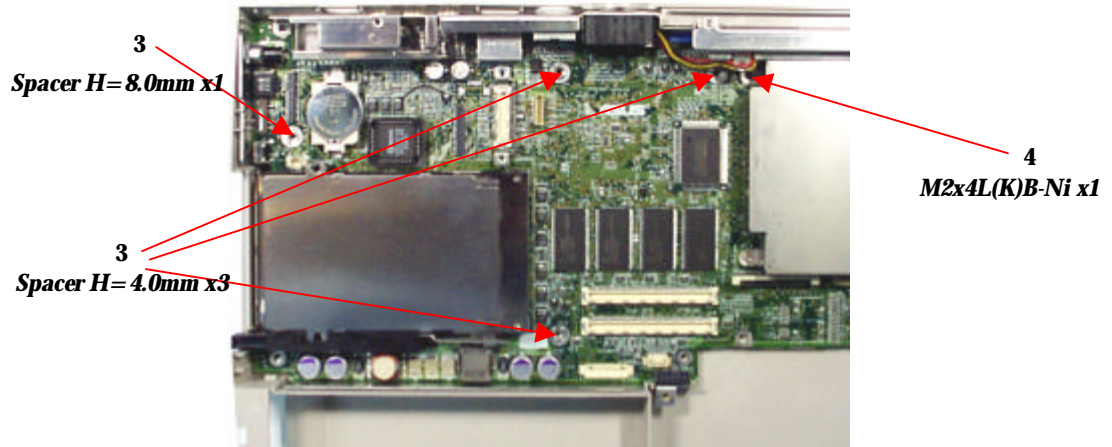


- Insert the motherboard into the bottom case at a 30° angle (no. 2). ***Please make sure that the phone jack cable goes through the appropriate opening on the I/O bracket and the I/O ports go through the appropriate openings on the bottom case.***

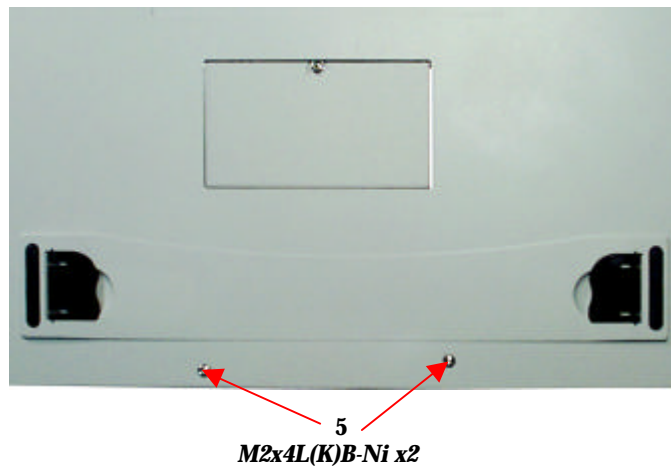


ASSEMBLY PROCEDURE

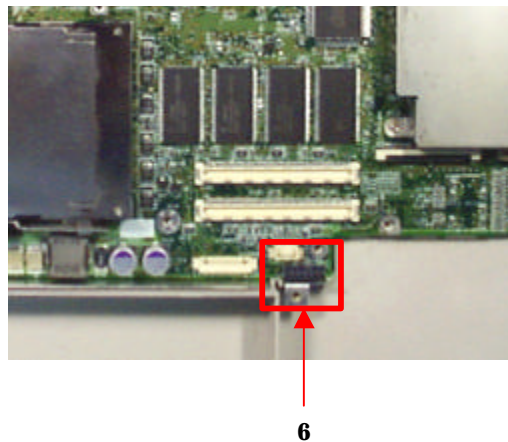
- Secure 4 spacer screws (no. 3) with a spacer screw driver and 1 screw near the HDD bracket (no. 4).



- Secure 2 screws at the bottom of the notebook (no. 5).



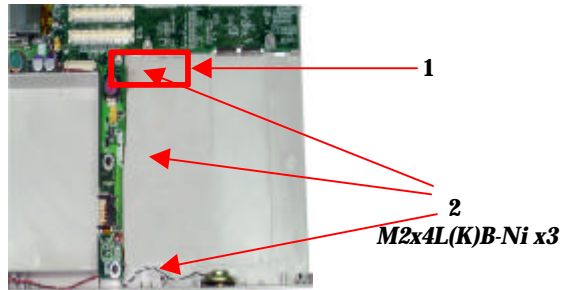
- Connect the speaker cable onto the motherboard (no. 6).



BATTERY
CHARGER
INSTALL

Installing Battery Charge Board

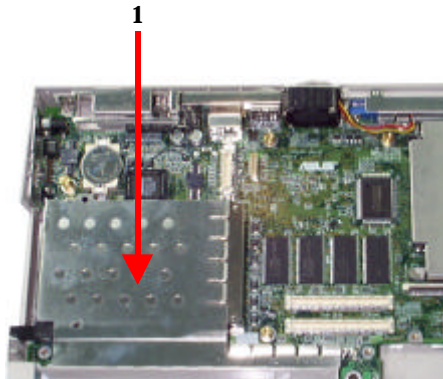
1. Install the battery charge board onto the motherboard. The connector is at the top edge (no. 1) of the battery charge board.
2. Secure 2 screws to affix the battery charge board (no. 2).



PCMCIA
PLATE
INSTALL

Installing PCMCIA Shielding Plate

1. Insert the PCMCIA shielding plate (no. 1) onto the PCMCIA box on the motherboard.



CD-ROM

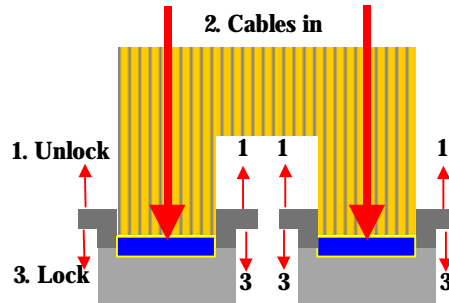
CD-ROM
CABLE
INSERT

CD-ROM Module

The illustration below shows how to install the CD-ROM module.

Inserting CD-ROM Cable

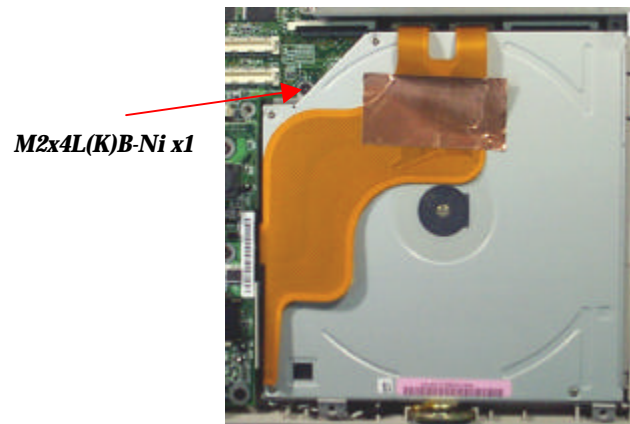
1. Use a single-slotted screwdriver to unlock the cable connectors on both ends (no. 1) on the motherboard.
2. Insert the CD-ROM cables (no. 2) with a pair of tweezers.
3. Lock the connectors (no. 3).



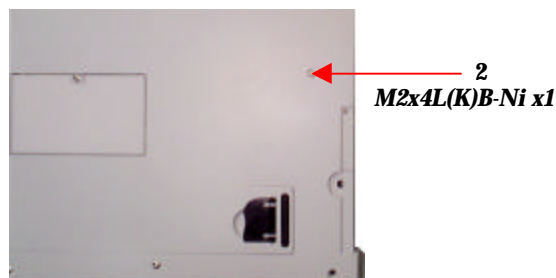
CD-ROM
INSTALL

Installing CD-ROM Module

1. Place the CD-ROM module onto the appropriate bay on the bottom case.
2. Secure 1 screw to affix the CD-ROM onto the motherboard (no. 1).



3. Secure 1 screw from the bottom of the notebook (no. 2).



TOP CASE

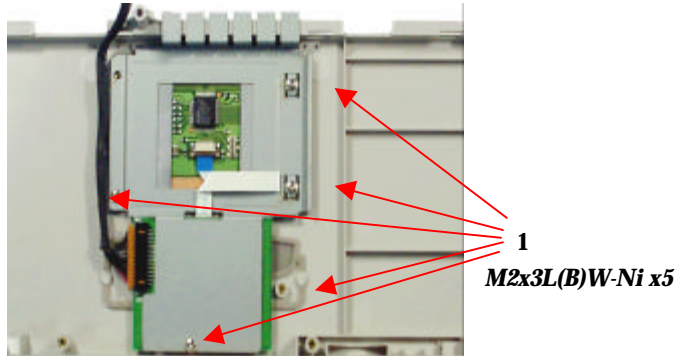
Top Case Module

The illustrations below show how to assemble and install the top case module of the notebook. The top case module contains the top case itself, the floppy disk drive and the TouchPad module.

TOUCHPAD
INSTALL

Installing TouchPad

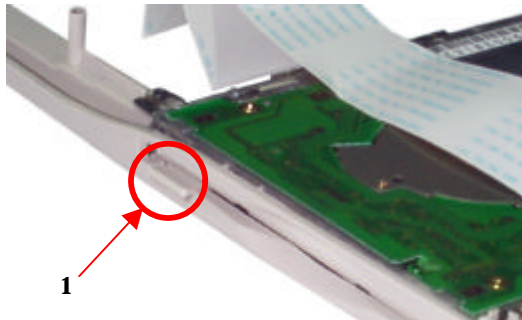
1. Place the TouchPad and the switch board into the TouchPad bracket and connect the TouchPad FPC cable.
2. Install the TouchPad module (TouchPad and switch board) onto the top case.
3. Secure 5 screws (no. 1) to affix the module.



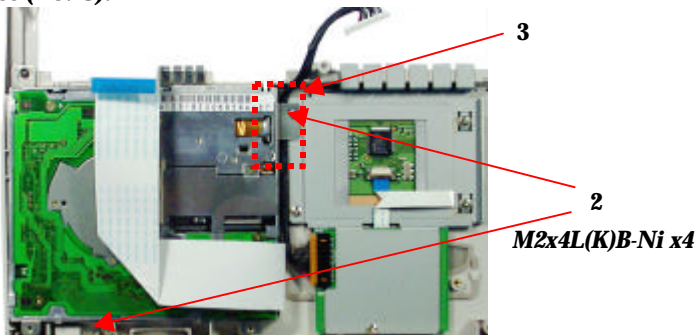
FDD INSTALL

Installing FDD

1. Place the FDD module onto the top case. **Be sure to insert the FDD eject button through the opening on the top case (no. 1).**



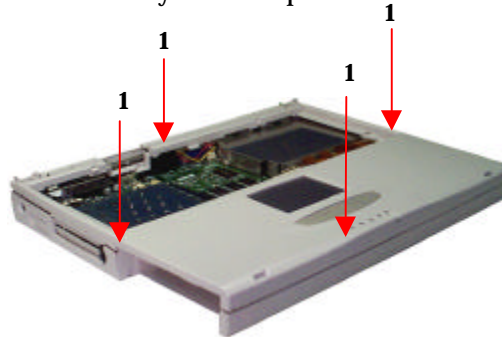
2. Secure 2 screws from the bottom of the top case module (no. 2) to affix the FDD module. **Please make sure that the TouchPad cable goes underneath the FDD bracket (no. 3).**



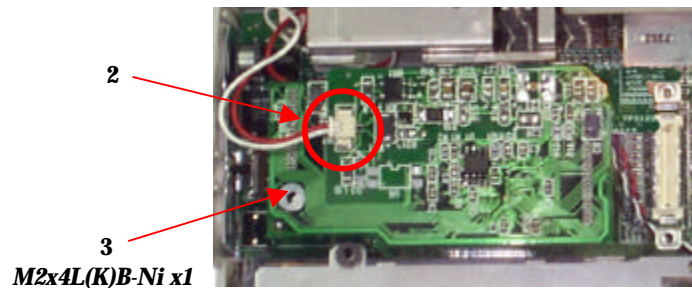
TOP CASE
INSTALL

Installing Top Case Module

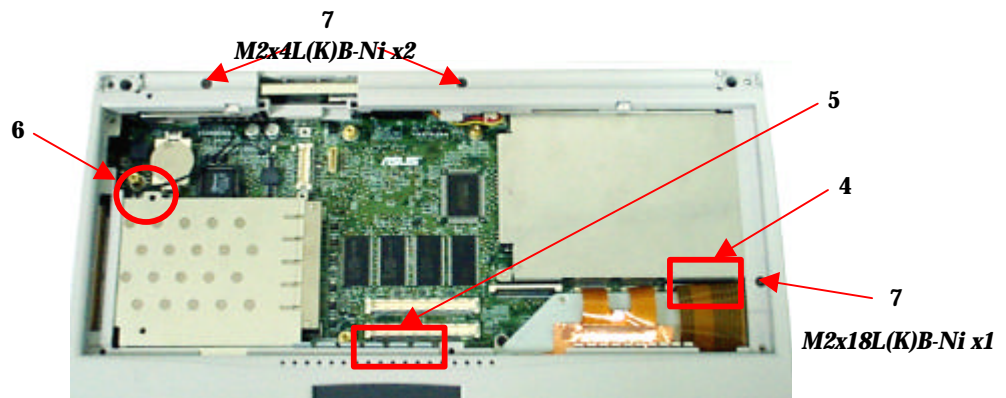
1. Place the top case over the system and press down on all four edges (no. 1) to snap it into place.



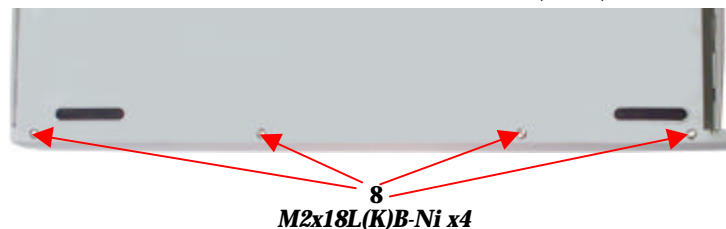
2. If there is a modem to be installed, insert it onto the upper left hand corner of the motherboard and secure it with 1 screw (no. 2) and connect the phone cable (no. 3).



3. Connect the FDD flexible cable (no. 4), TouchPad cable (no. 5, hidden under the top case), and the lid switch cable (no. 6).
4. Secure 3 screws on the top side of the top case (no. 7).



5. Secure 4 screws from the bottom of the notebook (no. 8).



HDD

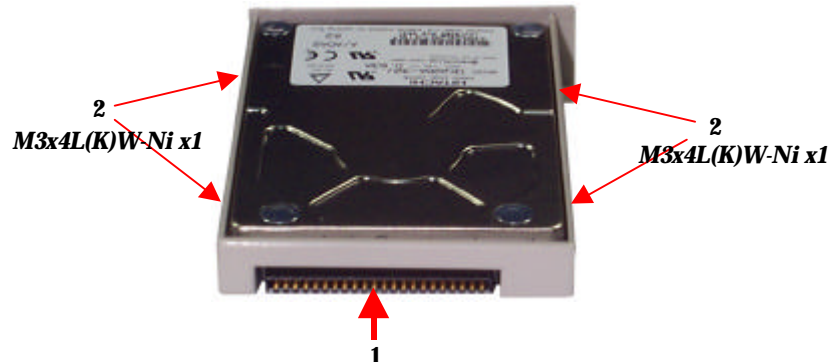
HDD Module

The illustrations below show how to assemble and install the hard drive module. The hard drive can be replaced with any industry standard 2½-inch HDD.

HDD
ASSEMBLY

Assembling HDD

1. Connect the HDD connector (no. 1).
2. Place the HDD onto the HDD shielding plate and into the HDD bezel.
3. Secure a total of 4 screws on both sides of the HDD module (no. 2).



HDD INSTALL

Installing HDD

1. Insert the HDD into the right side of the notebook (no. 1).



2. Secure 1 screw at the bottom of the notebook (no. 2) with a coin to affix the HDD.



LCD

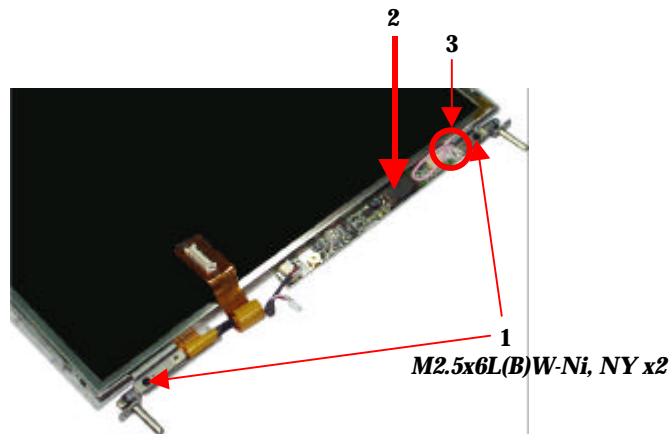
LCD Module

The illustrations below show how to assemble and install the LCD module. The module contains the LCD panel, inverter, hinge feet and LCD case.

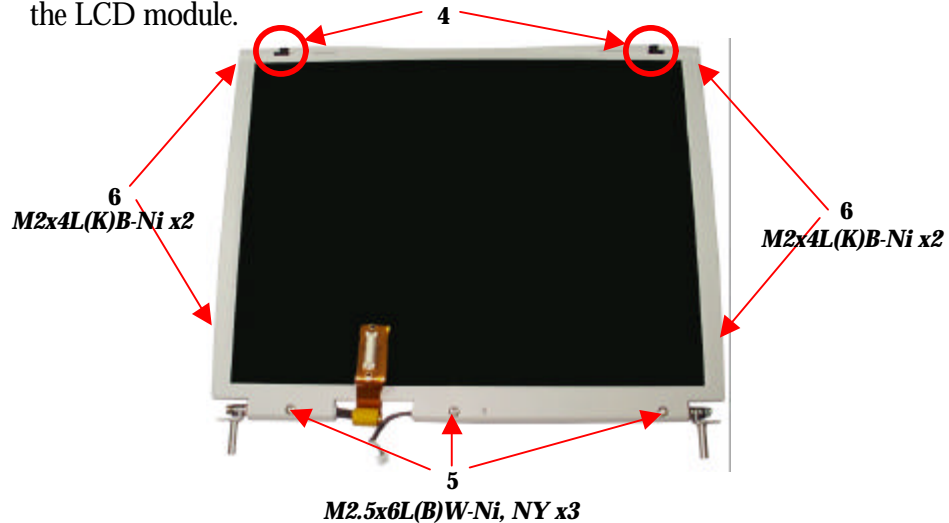
LCD
ASSEMBLY

Assembling LCD Module

1. For 13.3" panels, fasten left and right side brackets onto the LCD panel with 4 screws (*M2x4L(K)B-Ni x4*), then place the LCD panel onto the LCD case. For 12.1" panels, place the LCD panel and side brackets onto the LCD case and secure it with 4 screws (*M2.5x4L(K)B-Ni x4*).
2. Place the hinge feet onto the case and secure 2 screws to affix the hinge feet (no. 1).
3. Place the inverter onto the case (no. 2) and connect the inverter cable (no. 3).



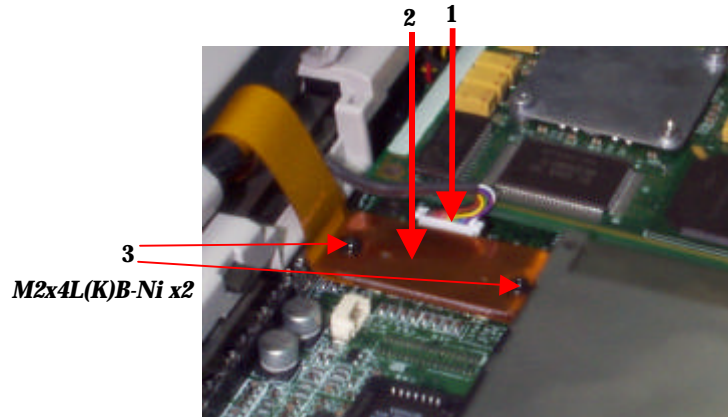
4. Place the LCD front cover onto the LCD case. Press down on all four edges to snap the top and bottom cases together. ***Be sure to properly insert the latches and springs (no. 4).***
5. Secure 3 screws (no. 5) and replace 3 rubber pads on top of them.
6. Secure a total of 4 screws and screw pads (no. 6) on both left side and right side of the LCD module.



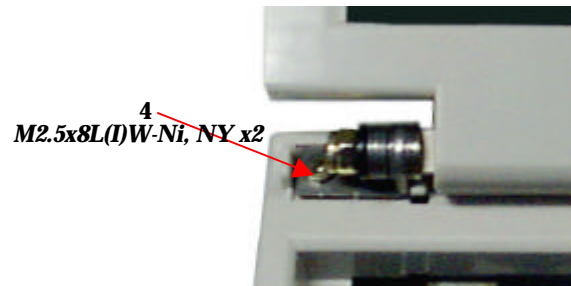
L C D I N S T A L L

Installing LCD Module

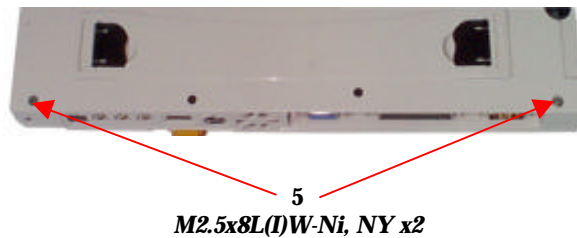
1. While making sure that the two hinge feet are properly aligned, insert the LCD module onto the notebook.
2. Insert the inverter cable (no. 1) and the LCD cable (no. 2) onto the motherboard and secure 2 screws for the LCD cable (no. 3).



3. Secure 2 screws (no. 4, one of each side) for the hinge feet.



4. Secure 2 screws from the bottom of the notebook (no. 5).



5. Install the hinge covers (no. 6, one of each side) and the wire cover (no. 7).



C P U

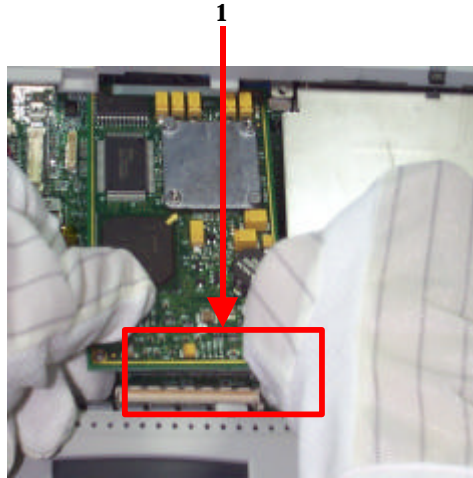
CPU Module

The illustrations below show how to install the CPU module (the Intel Mobile Module, IMM) from the notebook.

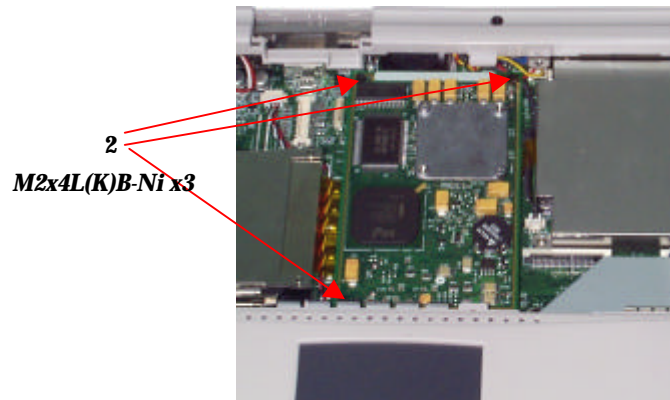
I M M I N S T A L L

Installing IMM

1. Push the IMM down with two hands to install it onto the motherboard. The connectors are on the bottom edge of the IMM (no. 1).



2. Secure 3 screws to affix the IMM (no. 2).



K / B & H / S

Keyboard and Heat Sink Plates

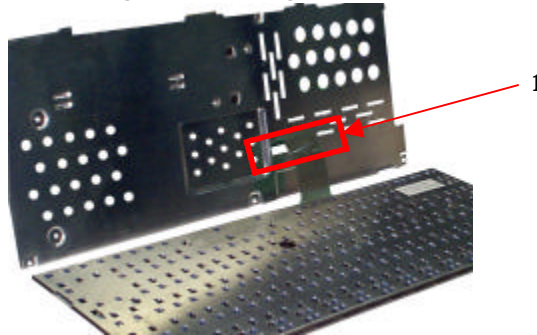
The illustration below shows how to install the keyboard plate and the heat sink plate.

The two plates should be installed in conjunction to prevent any damages.

K / B C A B L E
I N S E R T

Inserting Keyboard Cable

1. Place the keyboard upside down over the TouchPad (bottom edge of the top case) and place the heat sink on top of it. Please make sure the keyboard cable is properly inserted through the opening on the heat sink (no. 1).

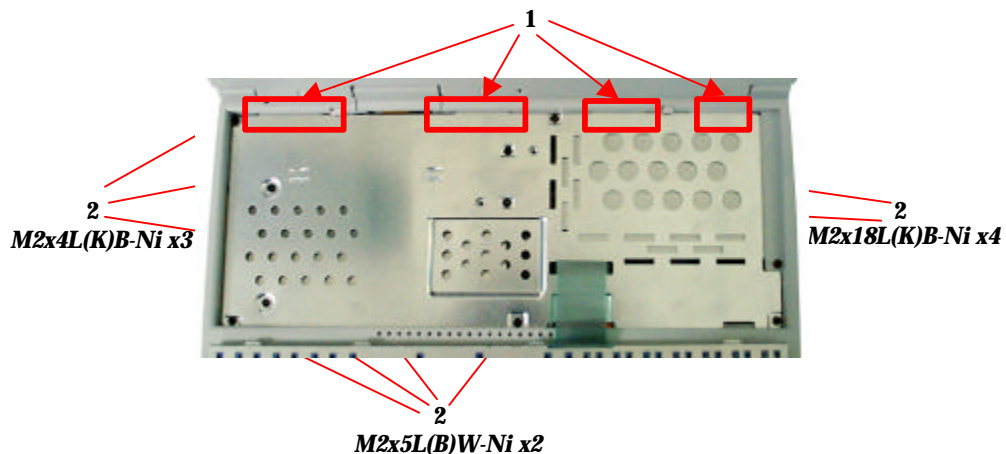


2. Connect the keyboard cable onto the connector on the motherboard.

H / S I N S T A L L

Installing Heat Sink Plate

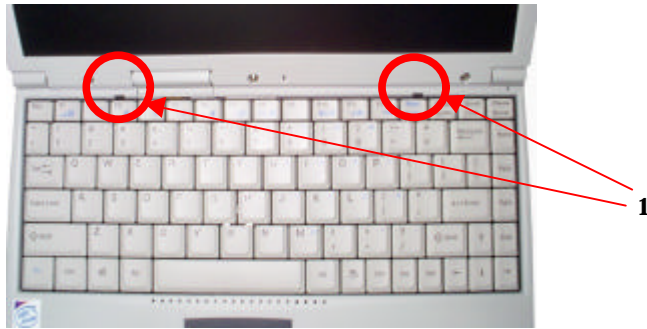
1. Insert the heat sink plate onto the notebook. ***Be sure to insert the plate into the appropriate slots (no. 1) on the top case.***
2. Secure 9 screws to affix the heat sink plate (no. 2).



K / B I N S T A L L

Installing Keyboard Plate

1. Place the keyboard on top of the heat sink plate and push down on the top edge until it clicks into the two latches (no. 1).



ASSEMBLY PROCEDURE

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