

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.

V.01-Change HDD screw Twist force

The assembly procedure consists of the following steps:

- Motherboard & Base Module
- TOP Module
- BASE unit
- Blue tooth and HDD Module
- CPU and Memory Module
- VGA and CPU Thermal Module
- ODD Module
- LCD Module
- Keyboard Module & Wireless Module
- Thermal Door
- Battery Module

**M / B A N D B A S E
M O D U L E**

M/B and Base Module

The illustrations below show how to assemble and install the motherboard module of the notebook. The module contains the motherboard itself, modem board, speaker cable, adapter cable, audio board module.

ASSEMBLY PROCEDURE

Assembling M/B Module

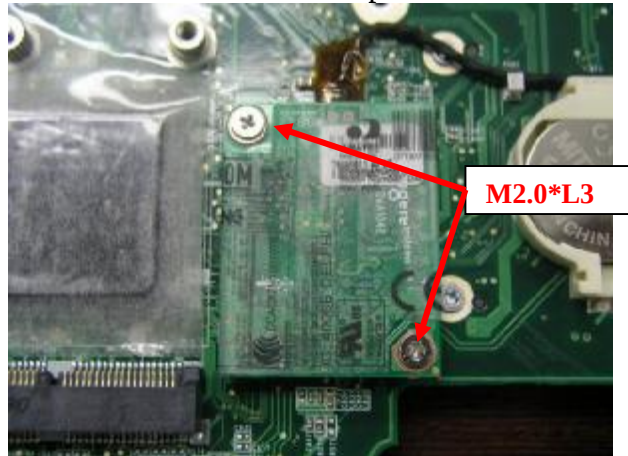
M / B

ASSEMBLY

1. Get modem board then insert modem cable.



2. Install modem board to M/B and fasten 2pcs screws to fix.



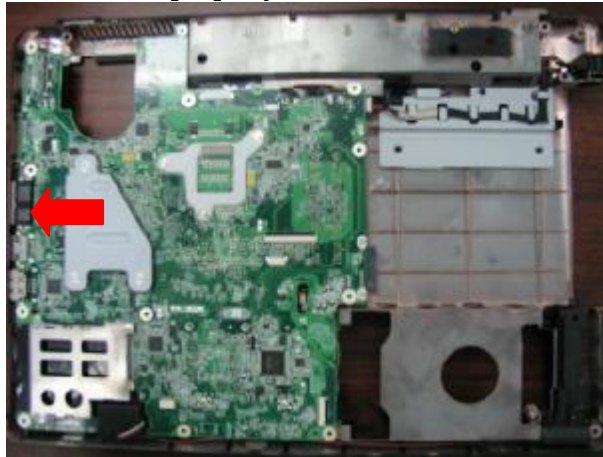
M2.0*L3 PN: MM20030ICI3
Twist force: 2.0+/-0.2KG/CM
Number 1 cross screwdriver

3. Get HDD cable then install to M/B connector.



ASSEMBLY PROCEDURE

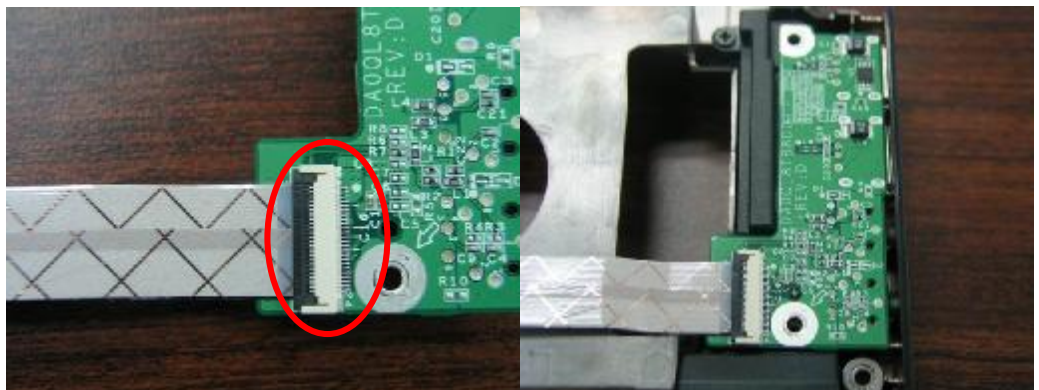
4. Install M/B left side into base at first, carefully to arrange HDD cable, make sure M/B lie on base unit property.



5. Insert adapter cable to M/B connector.



6. Insert audio cable to audio board.



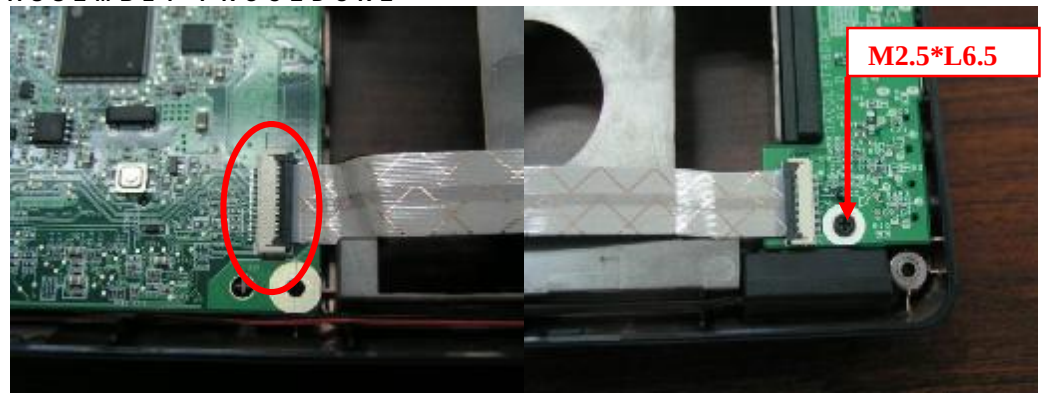
7. Install audio board to BASE.
8. Insert audio cable to M/B connector.
9. Fasten screw to fix audio board.

M2.5*L6.5 PN: MS25065I007

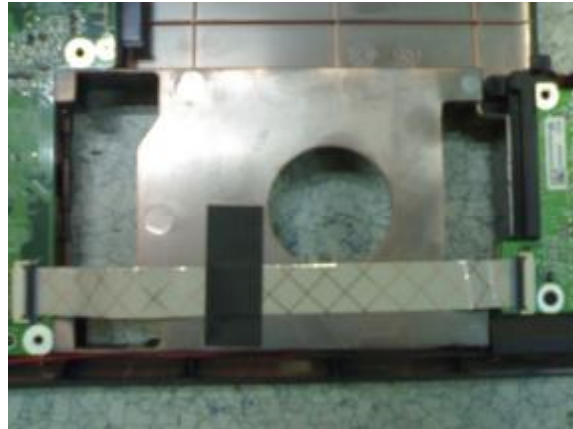
Twist force: 2.5+/-0.2KG/CM

Number 1 cross screwdriver

ASSEMBLY PROCEDURE



10. Use a electric type to fix audio cable.



TOP MODULE

TOP Module

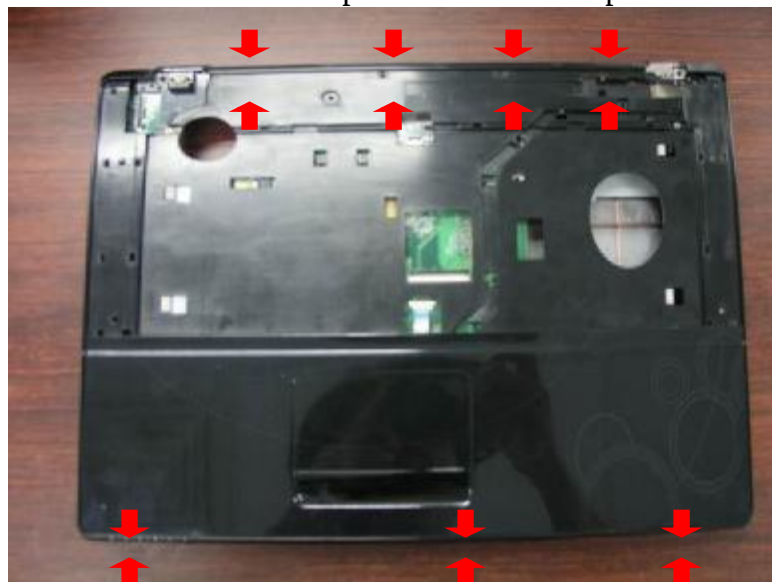
The illustrations below show how to install the TOP module into the notebook.

TOP

ASSEMBLY

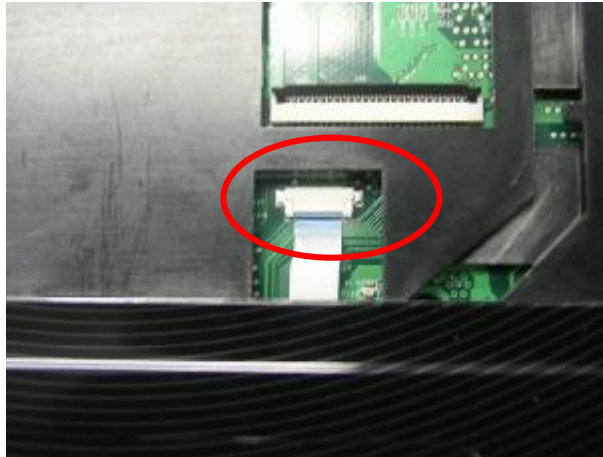
Assembling TOP Module

1. Get the TOP install to Base then press the hook of Top and Base.

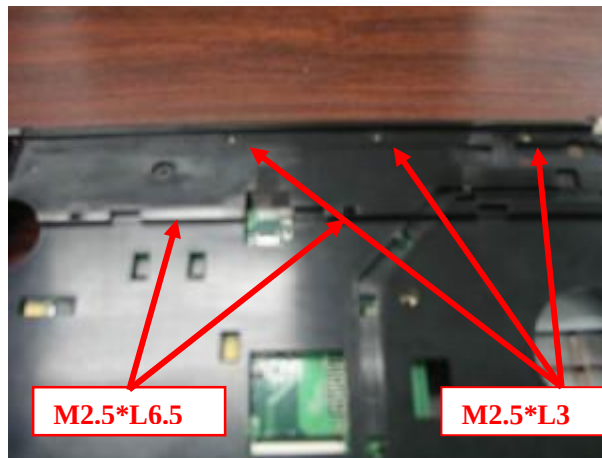


ASSEMBLY PROCEDURE

2. Install the TP cable to M/B connector.



3. Fasten 3pcs screws to fix TOP.
M2.5*L3 PN: MS25030I057
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver
4. Fasten 2pcs screws to fix TOP.
M2.5*L6.5 PN: MS25065I007
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver



5. Turn off the Base unit then put it on worktable.

BASE UNIT

BASU UNIT SCREW

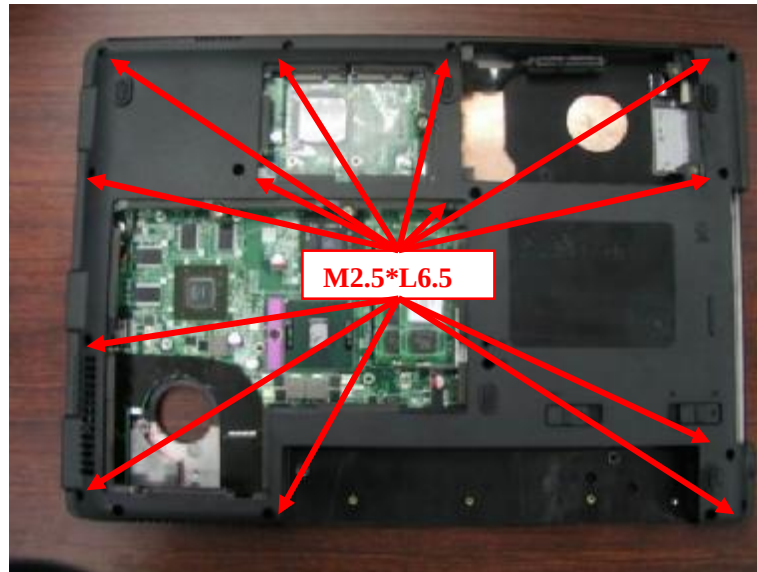
Base unit

The illustrations below showed how to install the screw into the notebook.

Assembling Base screw

1. Fasten 13pcs screws to fix BASE.
M2.5*L6.5 PN: MS25065I007
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver

ASSEMBLY PROCEDURE



BLUE TOOTH AND HDD MODULE

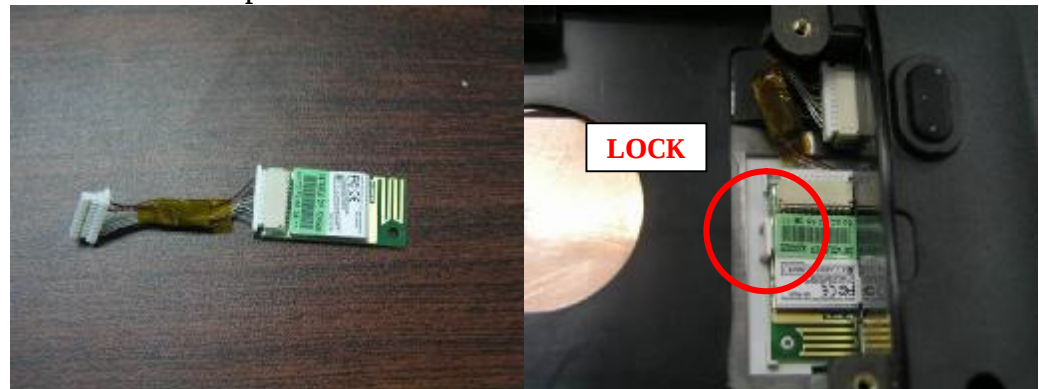
Blue Tooth and HDD Module

The below illustrations showed how to install the Blue Tooth and HDD module into the notebook.

BLUE TOOTH MODULE ASSEMBLY

Assembling Blue Tooth Module

1. Get blue tooth cable then insert to blue tooth.
2. Insert blue tooth cable to audio board connector then install blue tooth module to BASE unit and press down blue tooth to make sure the hook locked.

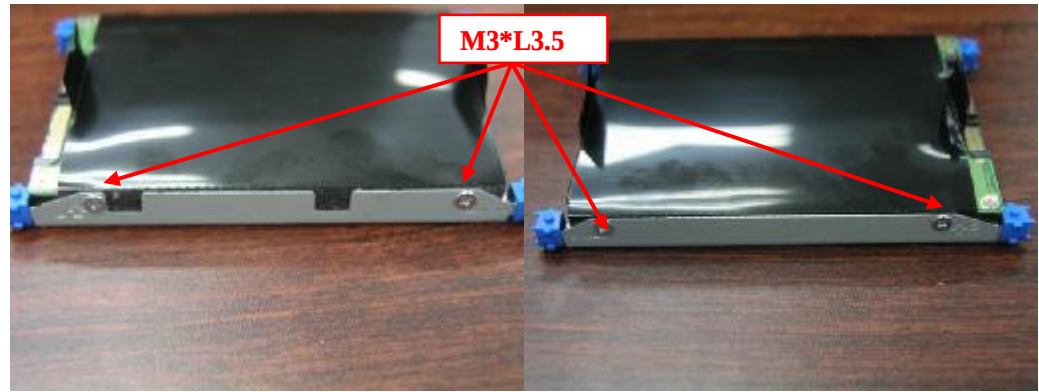


HDD MODULE ASSEMBLY

Assembling HDD Module

1. Fasten 4 screws to fix HDD BKT with HDD.
M3*L3.5 PN: MS30035I354
Twist force: 3.2+/-0.2KG/CM
Number 1 cross screwdriver

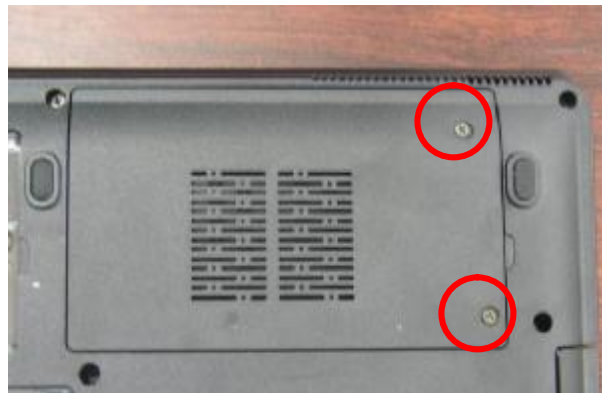
ASSEMBLY PROCEDURE



2. Insert the HDD cable to HDD module then install HDD module to base unit.



3. Install the HDD Door to Base unit then fasten 2pcs accessory screws to fix.
Twist force: $2.5 \pm 0.2 \text{ KG/CM}$
Number 1 cross screwdriver



CPU MEMORY
BLUE TOOTH

CPU MODULE
ASSEMBLY

CPU & Memory & Blue Tooth Module

The illustrations below showed how to install the CPU and memory module into the notebook.

Assembling CPU Module

1. Use the CPU vacuum to “suck up” the CPU and place on CPU socket properly.
2. To lock CPU with “—”screwdriver and follow the arrow direction.

ASSEMBLY PROCEDURE



MEMORY MODULE ASSEMBLY

Assembling Memory Module

Insert RAM at the same 45° angles and press down until it clicks into the latches.



VGA AND CPU THERMAL

VGA and CPU Thermal Module

The illustrations below showed how to install the VGA and CPU thermal module into the notebook.

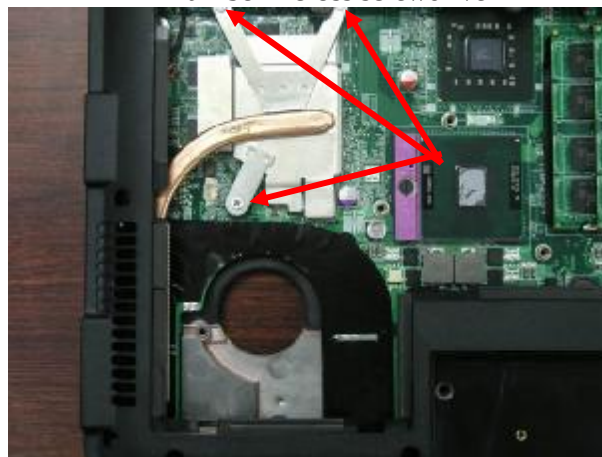
VGA THERMAL ASSEMBLY

Assembling VGA Thermal Module

1. Get VGA Thermal install to Base unit then fasten 3pcs accessory screws to fix.

Twist force: 2.5+/-0.2KG/CM

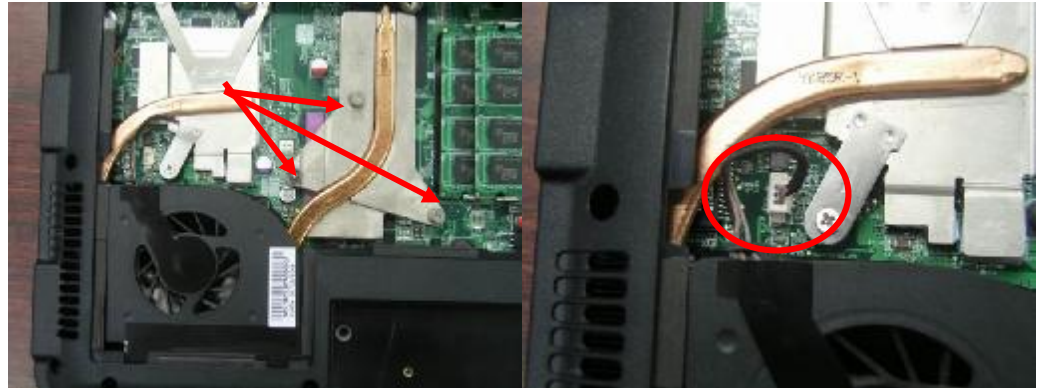
Number 1 cross screwdriver



CPU THERMAL
ASSEMBLY

Assembling CPU Thermal Module

1. Get CPU thermal install to Base unit then fasten 3pcs accessory screws to fix.
Twist force: 3.0+/-0.2KG/CM
Number 1 cross screwdriver



2. Install FAN cable to FAN connector.

ODD MODULE

ODD Module

The illustrations below showed how to install the ODD module into the notebook.

ODD MODULE
ASSEMBLY

Assembling ODD Module

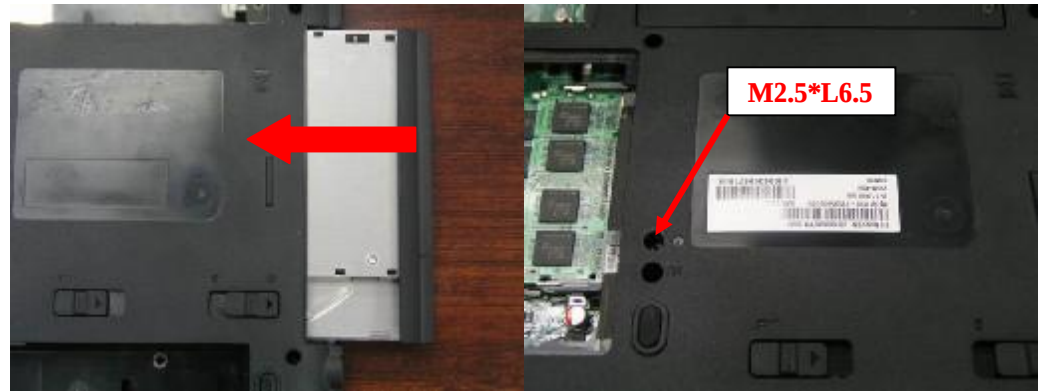
1. Get ODD BKT install ODD, fasten 2 screws to fix.
M2.0*L3 PN: MM20030ICI3
Twist force: 1.5+/-0.2KG/CM
Number 1 cross screwdriver

2. Get ODD bezels install to ODD.



3. Install ODD module to Base unit.
4. Fasten 1pcs screw to fix.
M2.5*L16 PN: MS25065I007
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver

ASSEMBLY PROCEDURE



LCD MODULE

LCD MODULE ASSEMBLY

LCD Module

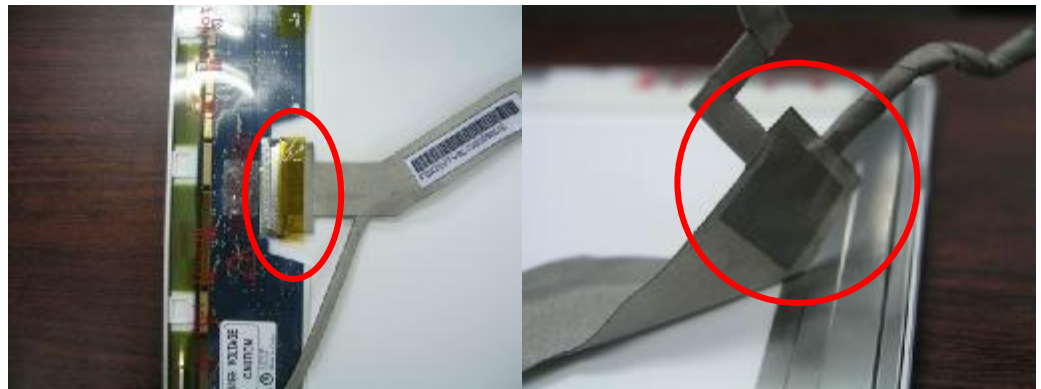
The illustrations below showed how to install the LCD module into the notebook.

Assembling LCD Module

1. Get LCD to remove ESD bag then check LCD appearance.



2. Insert LCD cable into LCD connector.



3. Remove the Mylar of adhesive and paste LCD cable on LCD.
4. Fasten 4pcs screws on the left and right LCD BKT.

M2.0*L3 PN: MM20030ICI3
Twist force: 2.0+/-0.2KG/CM
Number 1 cross screwdriver

ASSEMBLY PROCEDURE



5. Get the LCD cover then check the appearance.

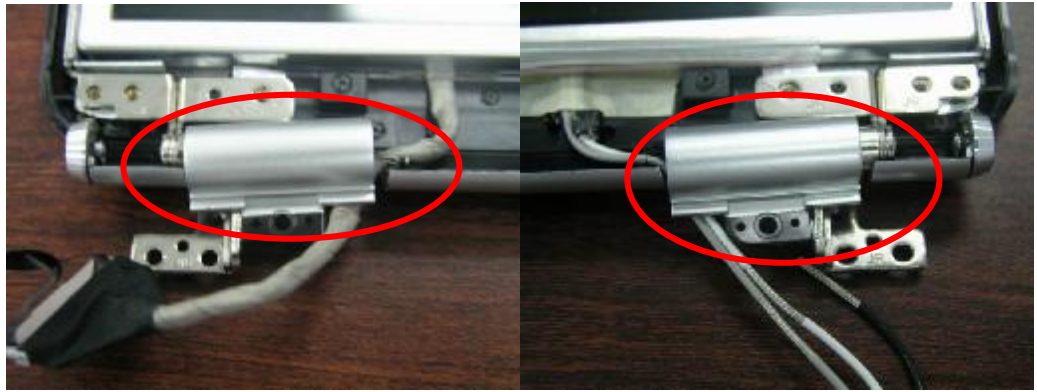


6. Get the LCD module and put into LCD cover then install the camera.



7. Assembly left and right hinge cap.

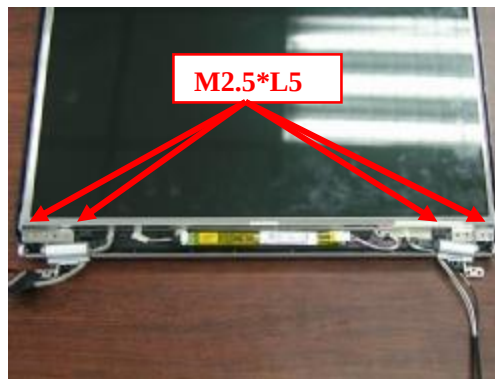
ASSEMBLY PROCEDURE



8. Get inverter and remove Mylar of adhesive then insert cable.
9. Arrange inverter into LCD cover.



10. Fasten 4pcs screws to fix LCD module on LCD cover.



M2.5*L5 PN: MM25050IC16
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver

11. Take LCD bezel to combine with LCD module and press down all edges to snap the front bezel and LCD cover together, and then fasten 4pcs screws on LCD Module.

M2.5*L6.5 PN: MS25065I007
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver

ASSEMBLY PROCEDURE



LCD MODULE TO BASE UNIT

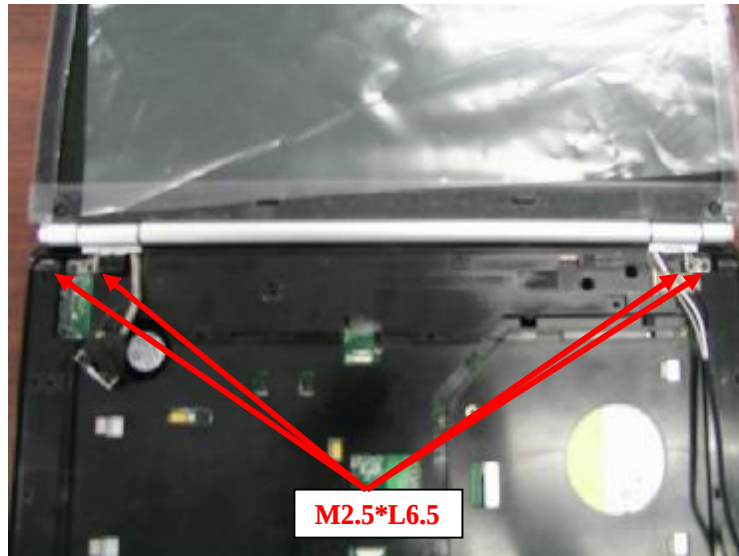
Installing LCD Module to Base Unit.

1. Get the LCD module install to Base unit; lock left and right hinge cap.
2. Fasten 2 screws on LCD hinge to fix.

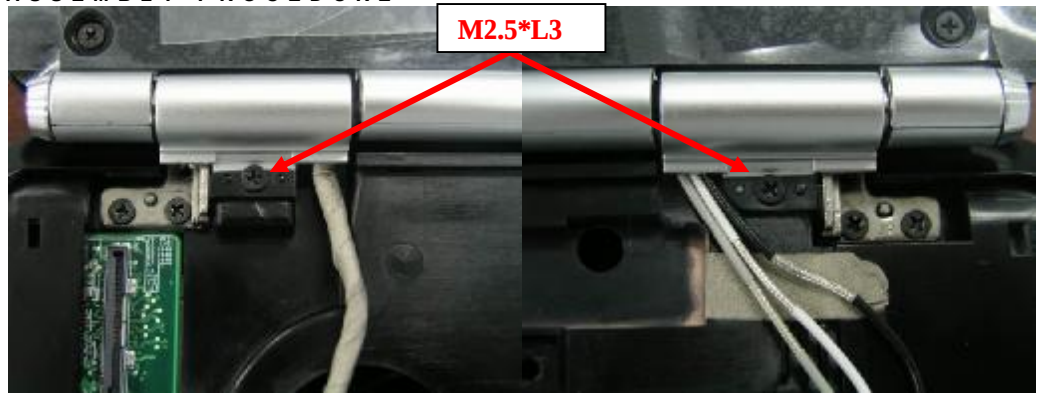
M2.5*L6.5 PN: MS25065I007

Twist force: 3.5+/-0.2KG/CM

Number 1 cross screwdriver



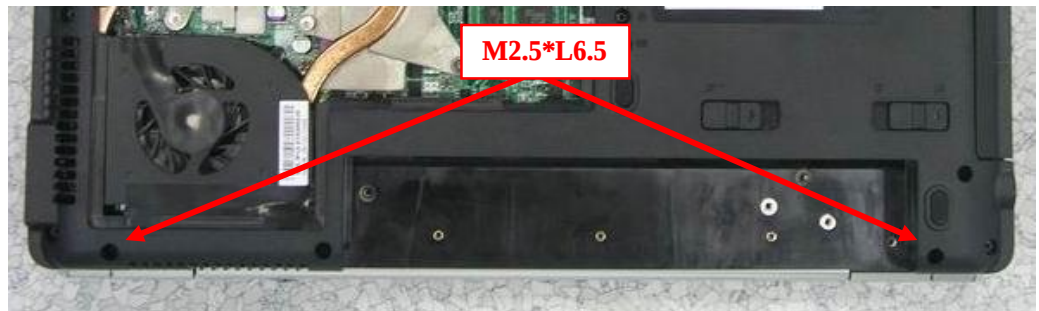
ASSEMBLY PROCEDURE



3. Insert LCD cable to M/B connector.
4. Arrange antenna.



5. Turn over the Base unit then fasten 2 screws on LCD hinge.
M2.5*L6.5 PN: MS25065I007
Twist force: 3.5+/-0.2KG/CM
Number 1 cross screwdriver



K / B \ K / B
COVER \ WIRELESS

K / B MODULE
ASSEMBLY

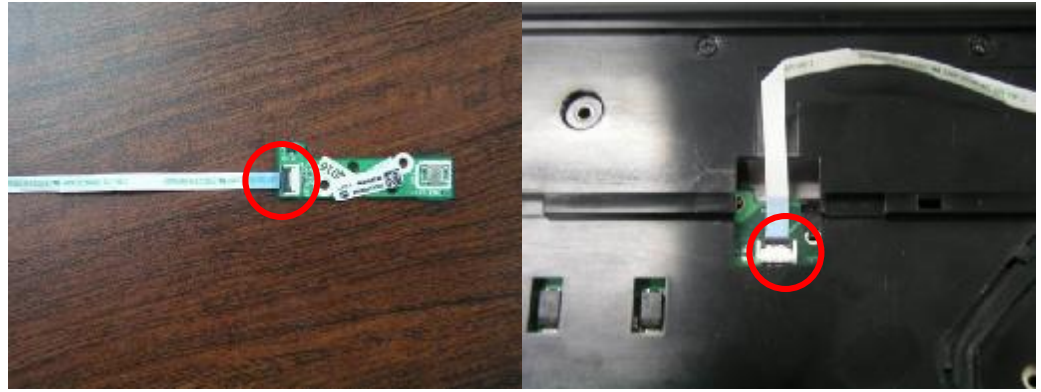
K/B Module & Wireless Module

The illustrations below showed how to install the K/B Module & Wireless module into the notebook.

Installing K/B Module.

1. Install the power cable to power board then lock.
2. Install the power cable to M/B connector then lock.

ASSEMBLY PROCEDURE



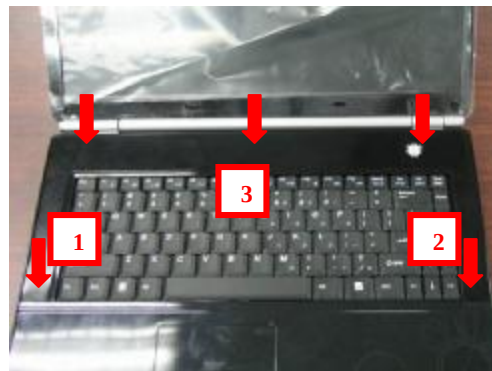
3. Put power board into TOP.
4. Put keyboard on TOP.



5. Get K/B the install to system.



6. Assembly K/B Cover.

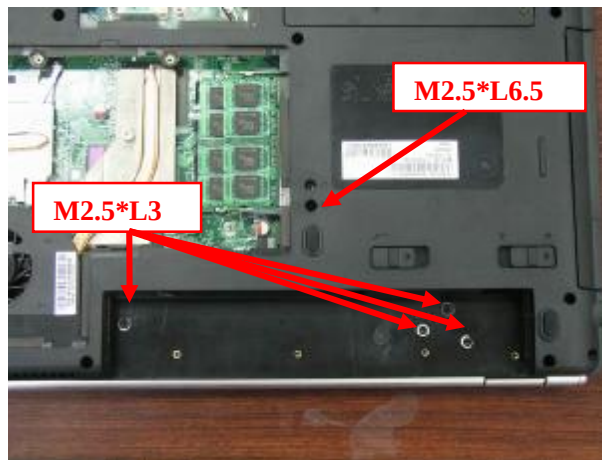


ASSEMBLY PROCEDURE

7. Close the LCD module and turn over notebook.



8. Fasten 4pcs screws to fix power board and K/B cover.
M2.5*L3 PN: MS25030I057
Twist force: 2.0+/-0.2KG/CM
Number 1 cross screwdriver



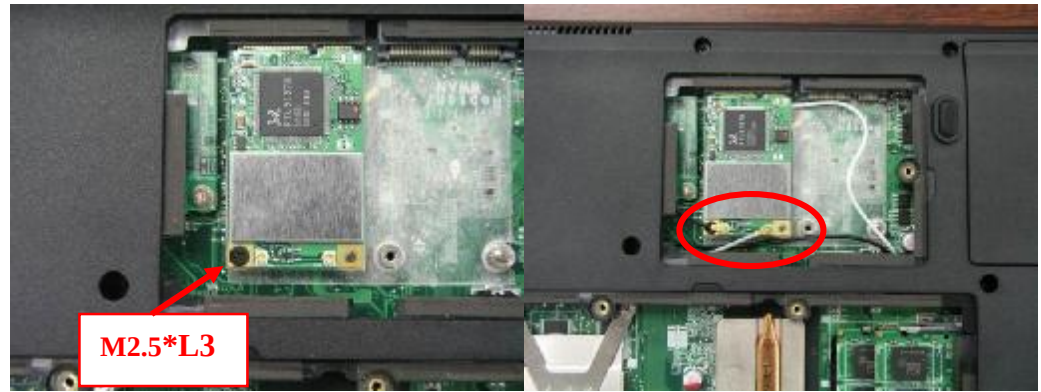
9. Fasten 1pcs screw to fix keyboard.
M2.5*L6.5 PN: MS25065I007
Twist force: 2.0+/-0.2KG/CM
Number 1 cross screwdriver

WIRELESS MODULE ASSEMBLY

Installing Wireless Module.

1. Install wireless card into Mini-PCI slot then fasten 1pcs screw to fix.
M2.5*L3 PN: MS25030I057
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver

ASSEMBLY PROCEDURE



2. Connect the antenna cable and wireless card.
3. Install Mini-PCI door and fasten 1pcs accessory screw to fix.
Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver



THERMAL DOOR
ASSEMBLY

THERMAL DOOR
ASSEMBLY

Thermal Door

The illustrations below showed how to install Thermal door into the notebook.

Assembly Thermal Door.

Get Thermal Door install to the Base unit then fasten the 2pcs accessory screws.

Twist force: 2.5+/-0.2KG/CM
Number 1 cross screwdriver



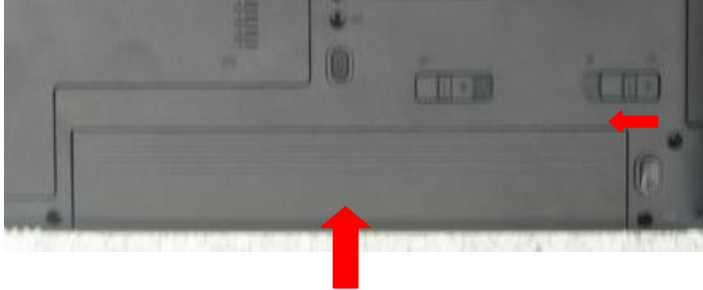
BATTERY
MODULE

Battery Module

The illustrations below showed how to install the Battery module into the notebook.

Assembly Battery Module.

Install battery pack into battery slot properly then lock.



Disassembly Reminding

First needs remove the battery module.

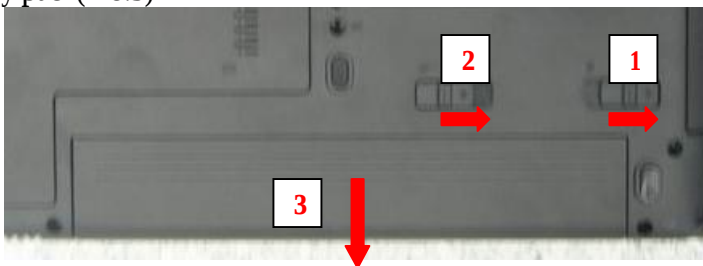
Release K/B cover `Power board and Keyboard screws, disassembly the K/B Cover carefully, must pay attachment damage the hook of K/B Cover.

Battery module

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

Battery Module Disassembly

1. Turn over the notebook, Unlock one latch and push another latch (No.2), remove the battery pack(No.3)



. Keyboard Module

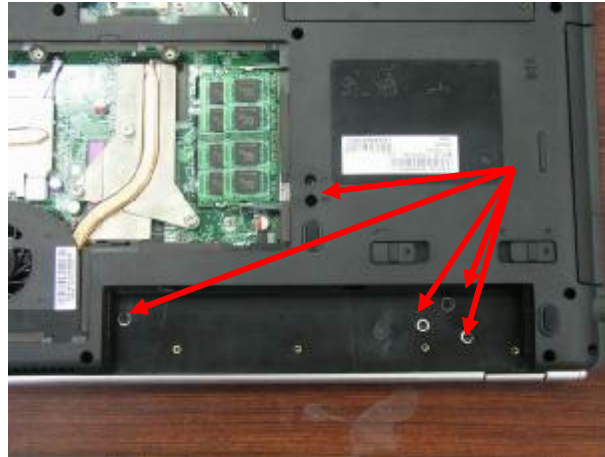
The illustrations below show how to remove the K/B cover and keyboard plate from the notebook.

Disassembling K/B Cover Module

1. Release K/B cover `Power board and Keyboard screws.

ASSEMBLY PROCEDURE

Twist force: 2.0+/-0.2KG/CM
Number 1 cross screwdriver



2. Turn over notebook and open the LCD module.
3. Pick up the K/B cover from left sides then separate it.



Thank!