

Disassembly Procedure

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

ASUS A2000 Series Notebook consists of various modules. This chapter describes the procedures for the complete notebook disassembly. In addition, in between procedures, the detailed disassembly procedure of individual modules will be provided for your service needs.

The disassembly procedure consists of the following steps:

- Battery Module
- Optical Driver Module
- HDD Module
- CPU Module
- Keyboard Module
- Memory Module
- Mini PCI Module
- VGA Module
- LCD Module
- Top Case Module
- Motherboard Module
- Bottom case Module

BATTERY

Battery Module

The illustration below shows how to remove the battery module.

1. Turn the notebook over. Unlock and hold the latch, then remove the battery.

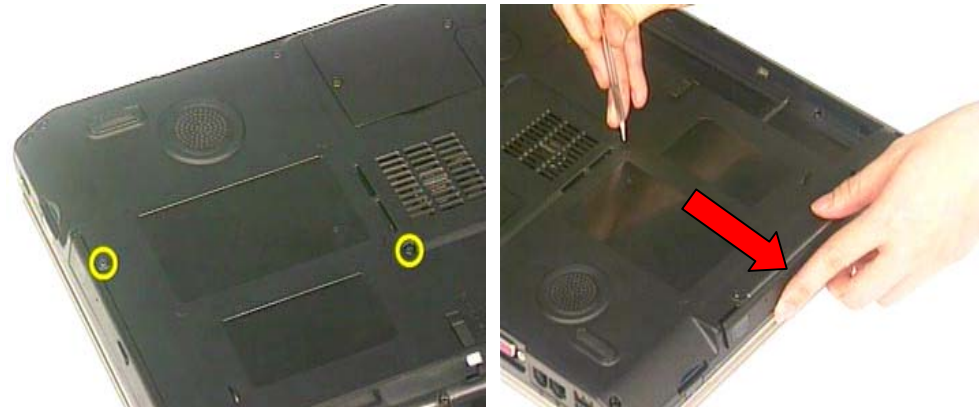


**OPTICAL
DRIVE
REMOVAL**

Optical Drive Module

Remove 2 screws (M2*6L).

Stick the tip a pair of tweezers in the screw hole, and hold it, then pull the optical driver out.



HDD MODULE

HDD Module

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

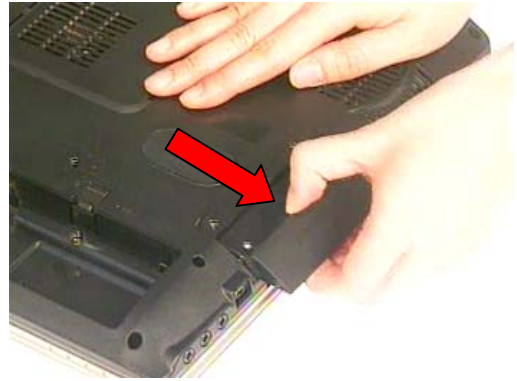
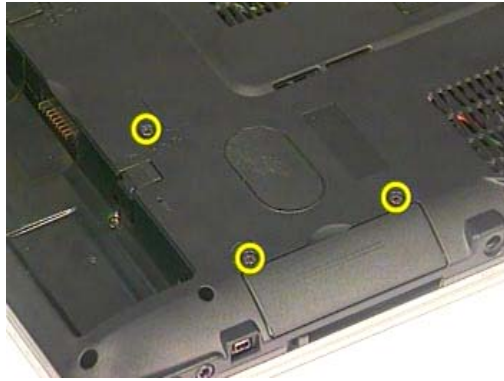
Removing HDD Module

Remove 3 screws (M3*6L).

Then pull out the HDD to take the HDD away.

**HDD MODULE
REMOVAL**

DISASSEMBLY PROCEDURE



CPU MODULE REMOVAL

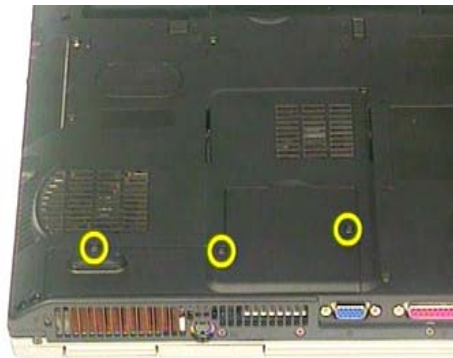
CPU Module

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

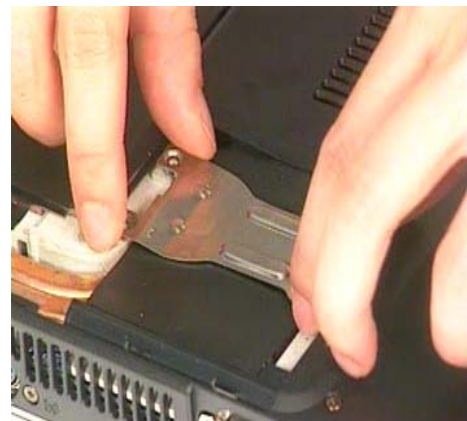
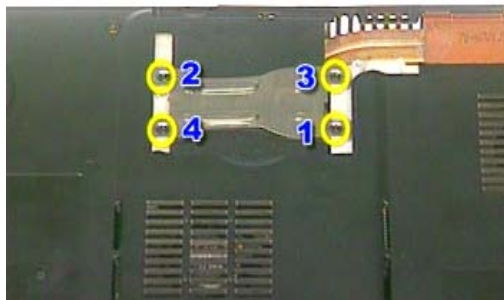
CPU REMOVAL

Removing CPU

1. Remove 3 screws (M2*6L) .Remove CPU cover.

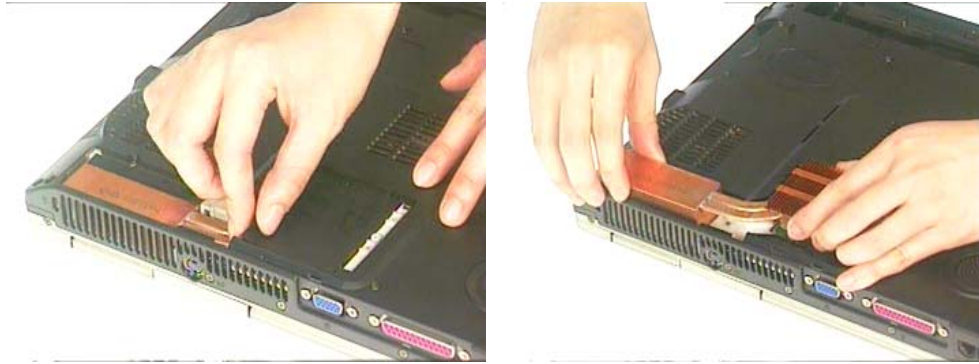


2. Remove 4 screws (M2*3L) ,Then remove CPU bracket.

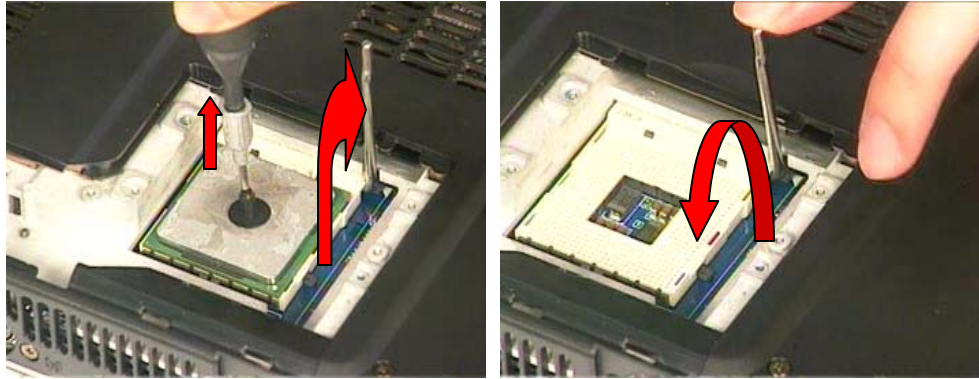


3. Remover 2 Mylar's here. Remove CPU Heat-sink module.

DISASSEMBLY PROCEDURE



4. Open the CPU Socket's latch to loosen the CPU. Then use the CPU vacuum hand pump to "suck up" the CPU and lift the CPU away. Then close the CPU Socket's latch.



KEYBOARD DISASSEMBLY

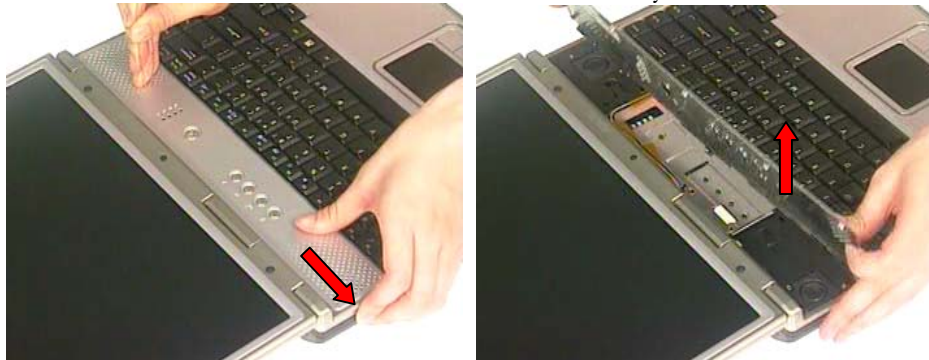
Keyboard Module

The illustration of below shows how to remove the keyboard.

K / B COVER REMOVAL

Removing Keyboard Cover

Stick the tip of a small screwdriver in the tiny hole, and then slide the keyboard cover to the left side at the same time remove the keyboard cover.



K / B REMOVAL

Removing Keyboard

Pull out the keyboard to the front side and then lay the keyboard on the front side.

DISASSEMBLY PROCEDURE

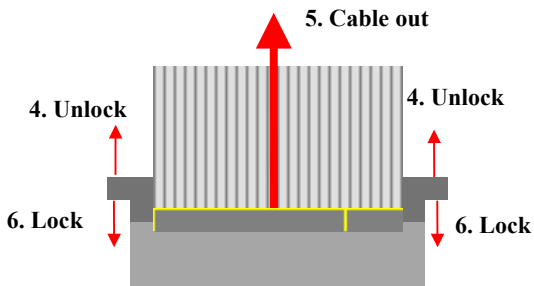
Disconnect the FPC cable with tweezers, then remove the keyboard.



CABLE REMOVAL

Removing Keyboard Cable

1. Use a flexible connector tool to unlock the cable connector on both ends (No. 4).
2. Carefully pull out the keyboard cable (No. 5) with a pair of tweezers.
3. Lock the connector (No. 6) again to avoid possible breakage.
4. Finally the keyboard plate can be removed from the notebook.

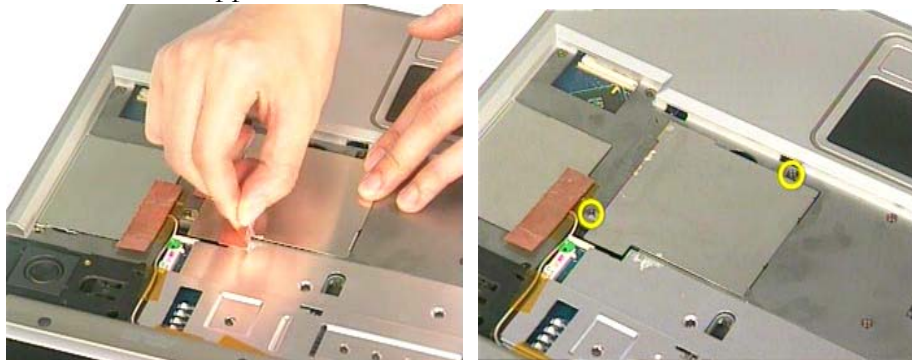


MEMORY MODULE REMOVAL

Memory Module

The illustration of below shows how to remove the Memory.

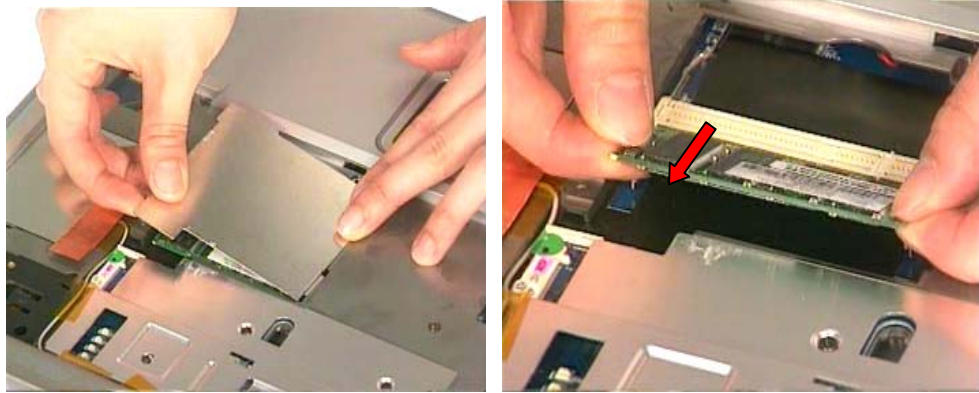
1. Remove 2 copper foils. Remove 2 screws (M2*3L) (M2*13L) .



MEMORY DISASSEMBL

DISASSEMBLY PROCEDURE

2. Then remove DDR DIMM Cover. Open the two latches to pop up the memory module. Then pull it out.



WIRELESS LAN MODULE

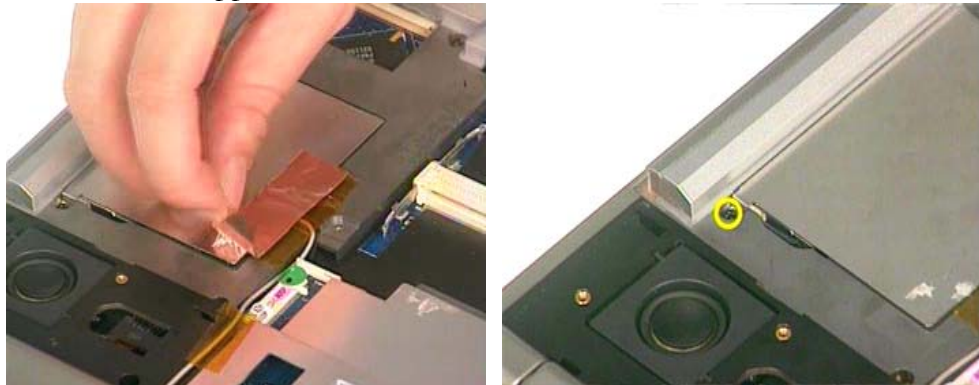
Mini PCI Module

This slot usually has Wireless LAN module when leaving the factory, this slot is for optional system upgrade.

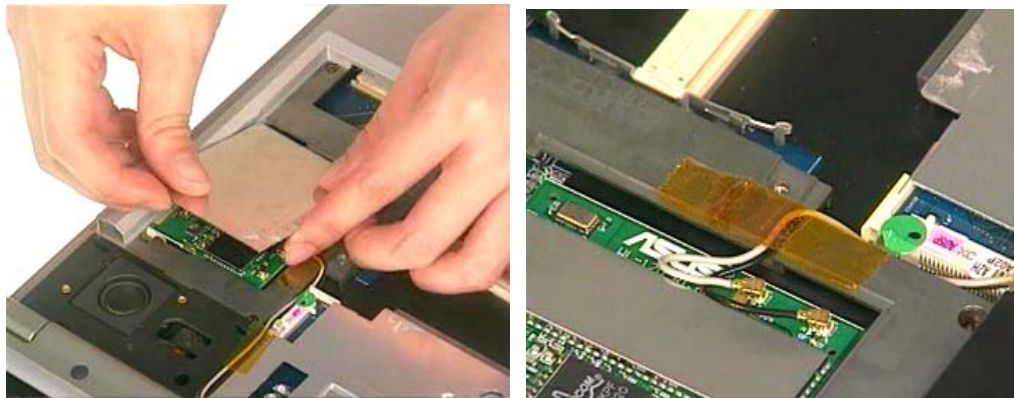
WIRELESS LAN REMOVAL

Removing Wireless LAN Module

1. Remove 1 copper foil. Remove 1 screw (M2*13L) .

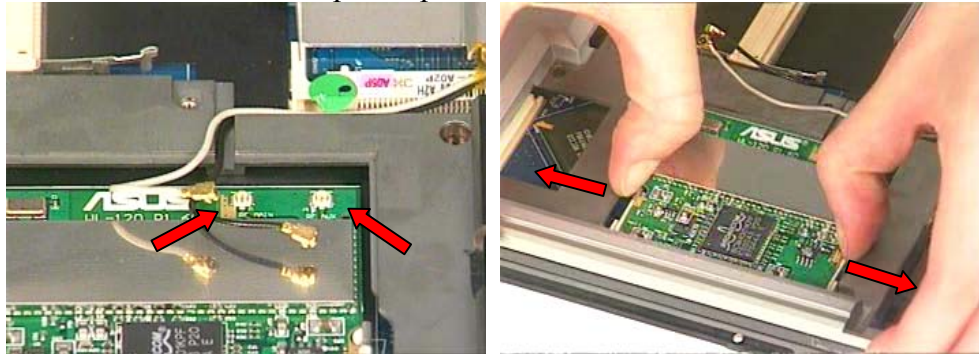


2. Then remove Mini PCI shielding bracket. Remove 1 yellow tape to loose a wireless antenna cable.



DISASSEMBLY PROCEDURE

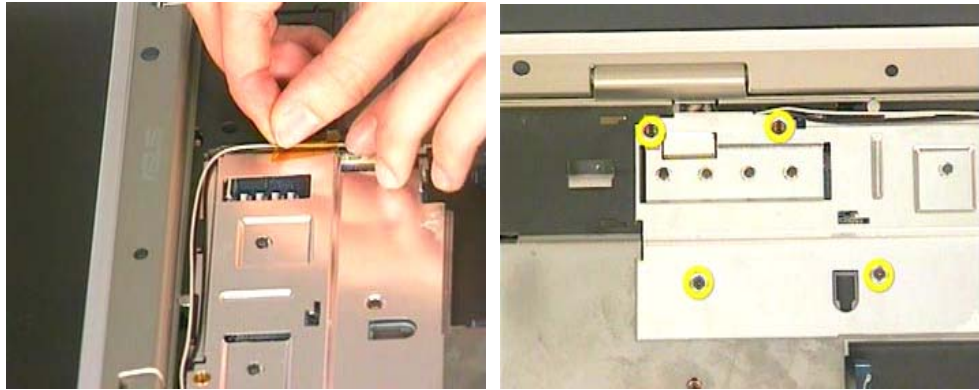
3. Disconnect main antenna and auxiliary antenna. Open the two latches to pop the Mini PCI module up then pull it out.



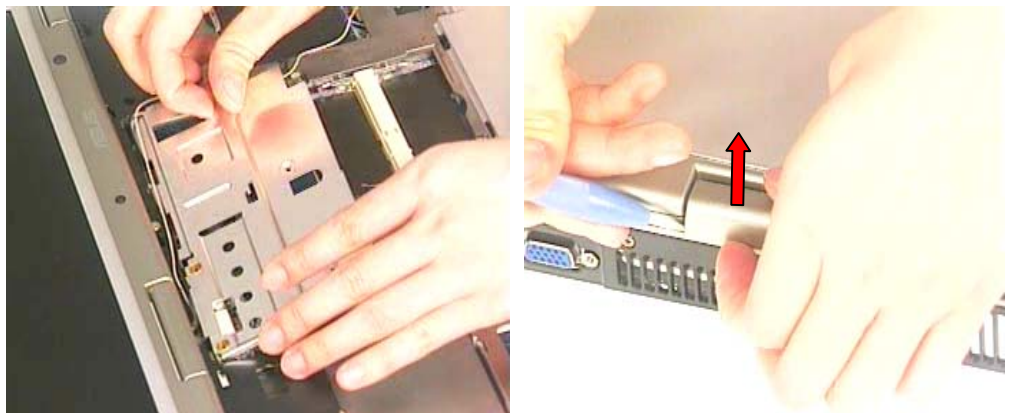
VGA MODULE

VGA Module

1. Remove 3 tapes to loose a wireless antenna cable. Remove 4 screws (M2*13L) .

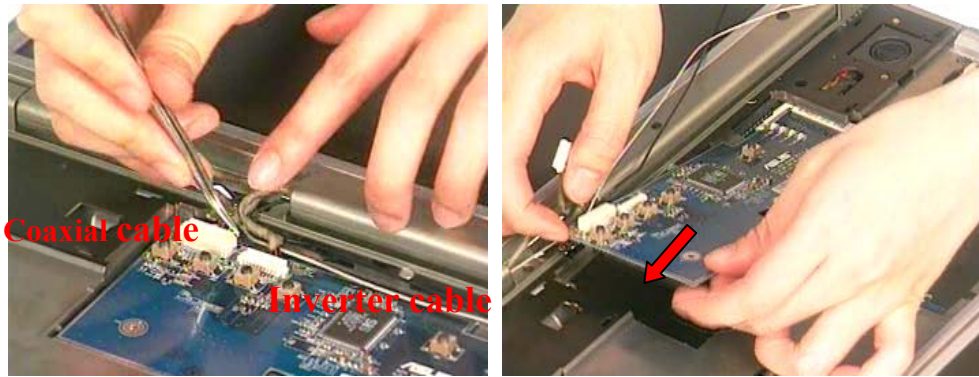


2. Then remove Top case bracket . Disconnct the harness cover with single-slotted screwdriver and then remove it.



3. Disconnect inverter cable and LCD coaxial cable. Open the two latches to pop up the VGA board then pull it out.

DISASSEMBLY PROCEDURE



**L C D
M O D U L E**

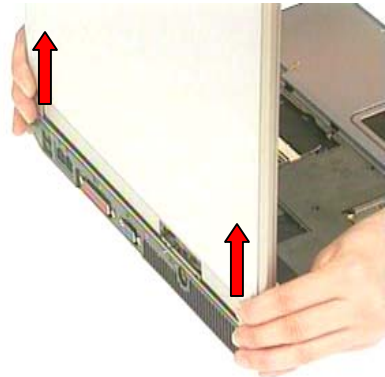
LCD Module

The illustrations below show how to remove and disassemble the LCD module. The module contains LCD panel, Inverter board, LCD Hinge bracket, Hinge cover, LCD front cover, and LCD back cover.

L C D R E M O V A L

Removing LCD Module

Remove 1 screw (M2*6L). Remove 3 screws (M2*6L), And 3 screws on the other side (M2*6L). Carefully lift the LCD module up to separate the LCD module from the notebook.

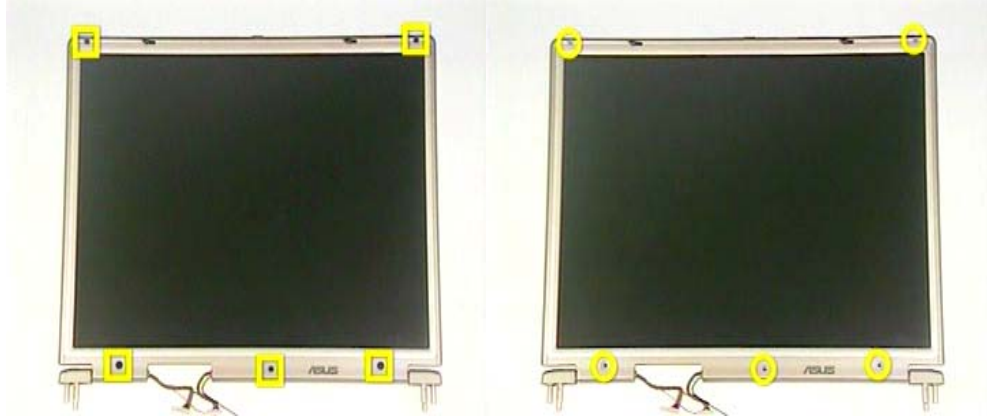


DISASSEMBLY PROCEDURE

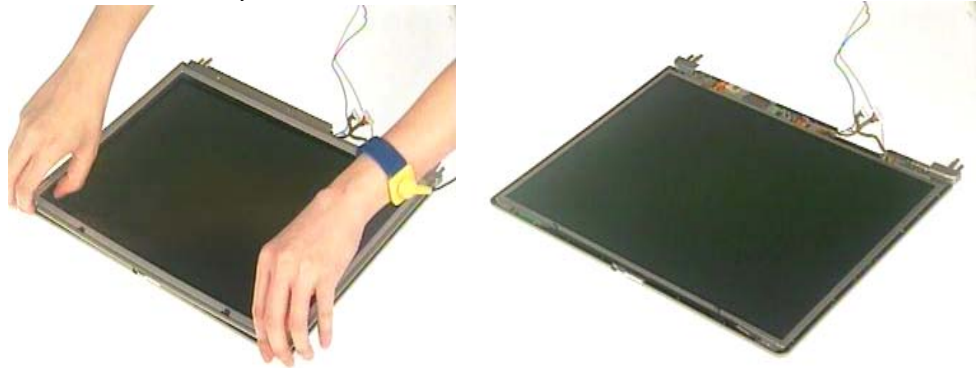
LCD DISASSEMBLY

Disassembling LCD Module

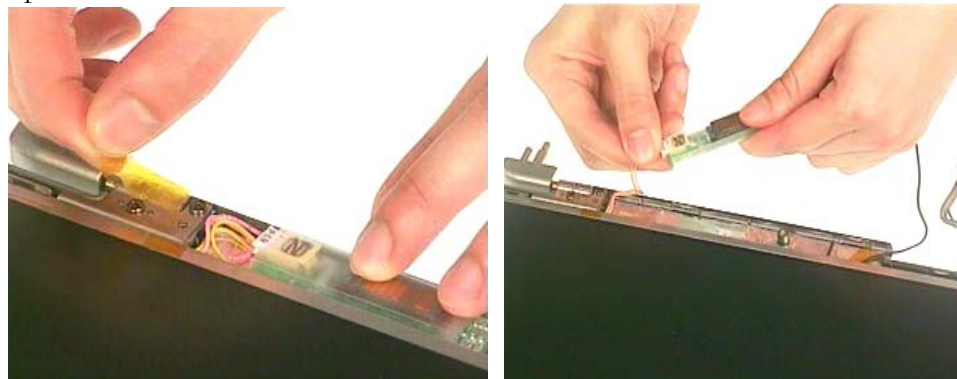
1. Remove 5 rubber pads and rubber low. Remove 5 screws (M2.5*6L)(M2*4L).



2. Carefully pry the inside edges have the LCD Cover Frame and Lift the LCD Cover Frame away from the LCD module.

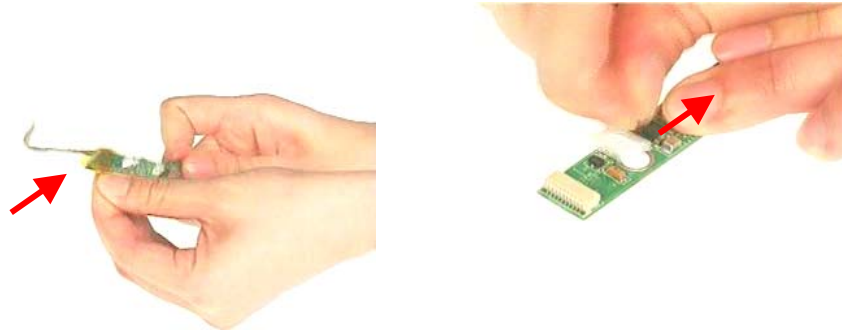


3. Remove 1 tape. Remove inverter board form LCD Panel and disconnect LCD power cord form inverter board.

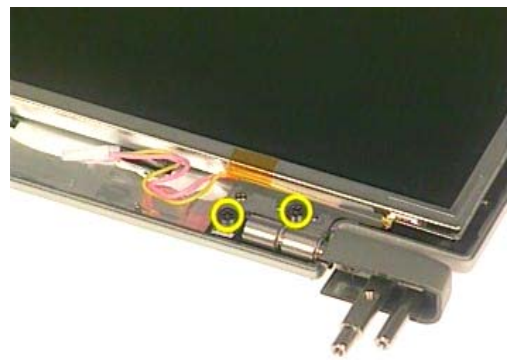
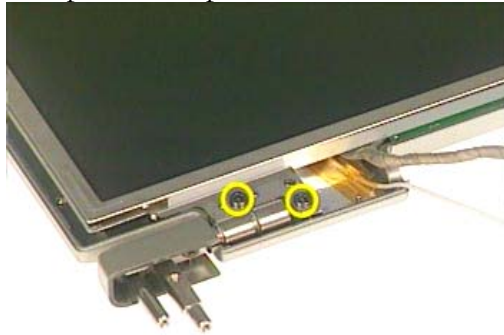


4. Remove 1 tape here. And 1 tape. Disconnect inverter cable from inverter board.

DISASSEMBLY PROCEDURE

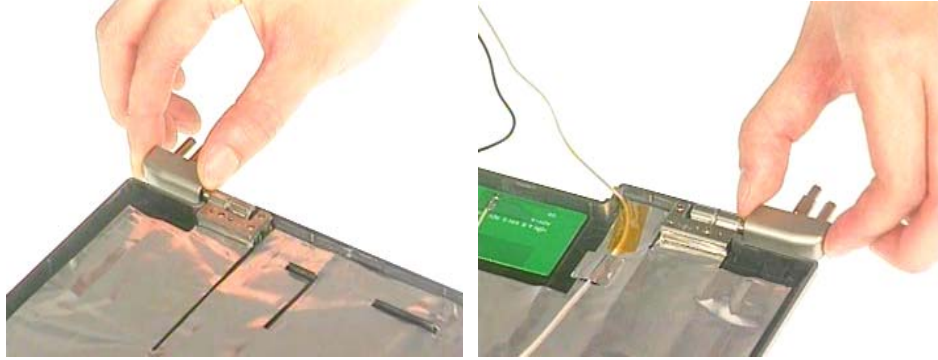


5. Remove 2 screws (M2.5*5L) .And 2 screws on the other side (M2.5*5L)
Remove 1 screw (M2*4L) .And 1 screw on the other side (M2*4L)
Separate Lcd panel form LCD cover.

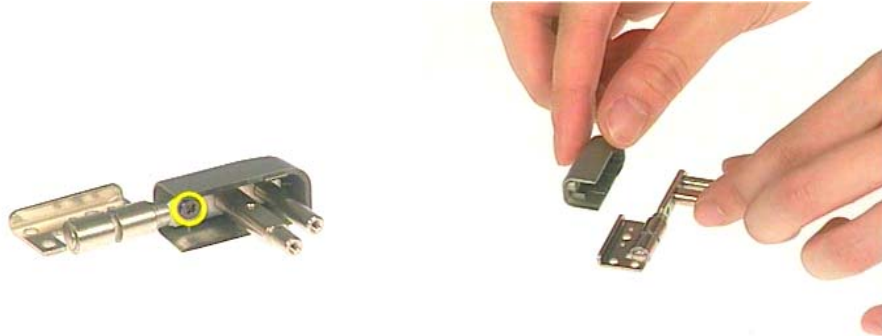


DISASSEMBLY PROCEDURE

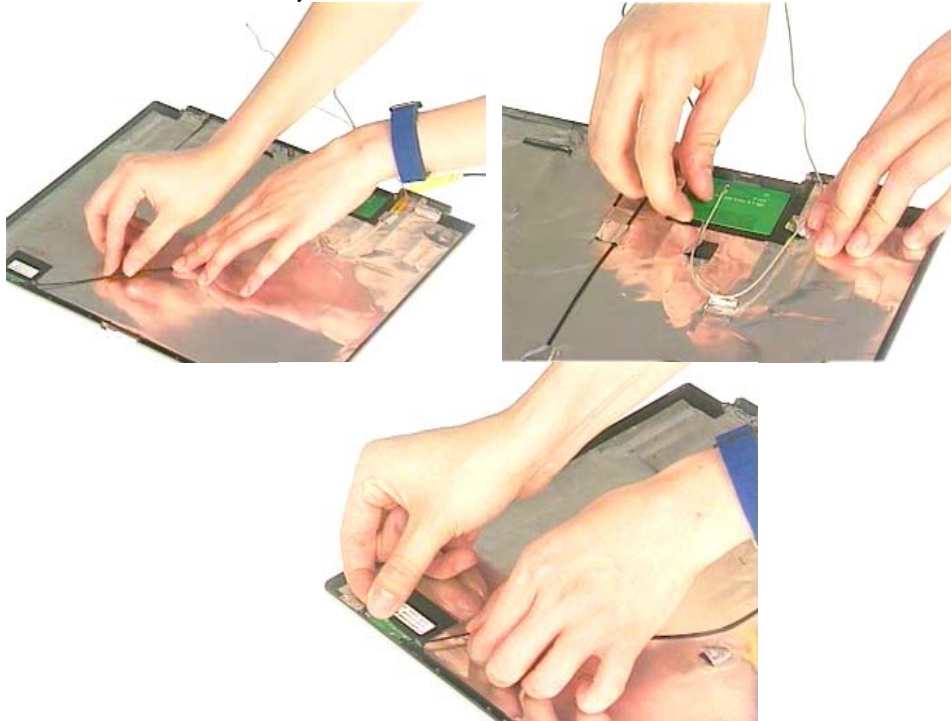
6. Remove hinge module here from LCD cover and on the other side.



7. Remove 1 screw (M2*4L) . And remove hinge cover from hinge.



8. Remove 3 tapes. Loosen wireless main antenna from LCD back cover. And then loosen auxiliary antenna from LCD back cover.

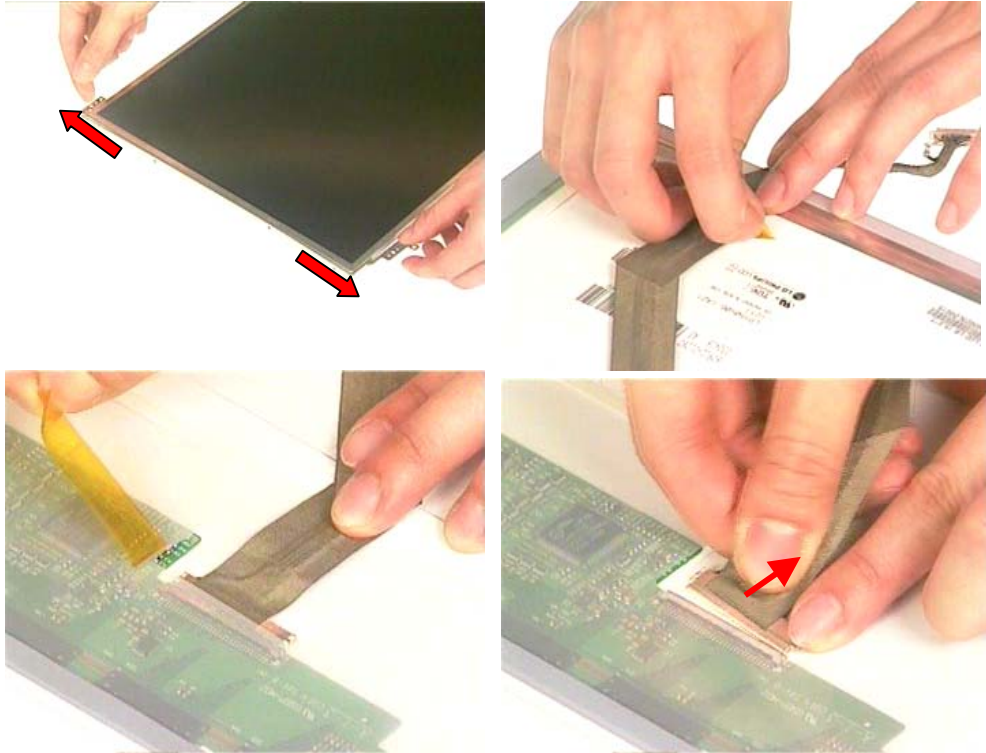


DISASSEMBLY PROCEDURE

9. Remove 4 screws (M2*3L) . Then separate LCD bracket from LCD panel.
Remove another 4 screws here on the other side (M2*3L) .



10. Separate LCD bracket from LCD panel. Remove 1 tape here. Remove 1 tape here then disconnect coaxial cab.



TOP CASE
MODULE

TOP CASE
MODULE
REMOVE

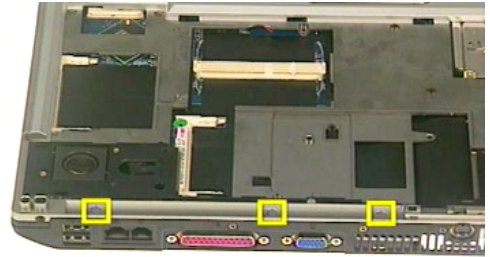
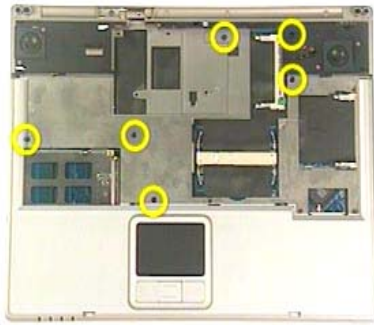
Top Case Module

The illustrations below show how to disassemble and remove the top case module of the notebook.

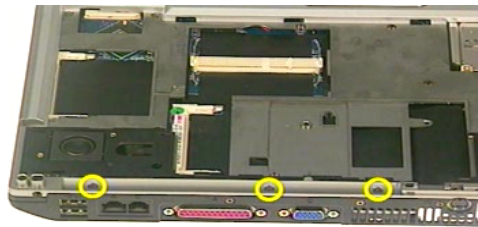
Removing Top Case Module

1. Remove 6 screws (M2*13L) . Remove 3 Mylar.

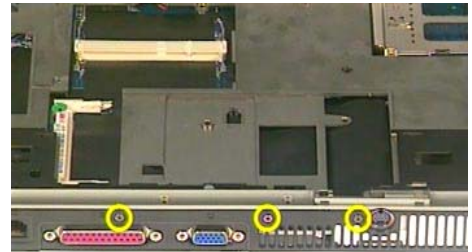
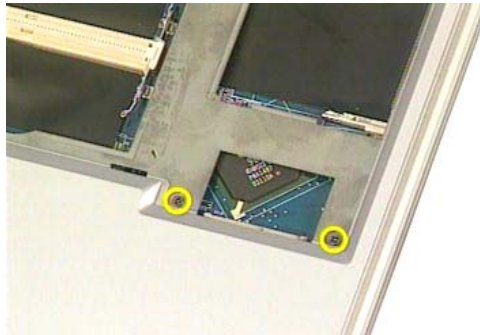
DISASSEMBLY PROCEDURE



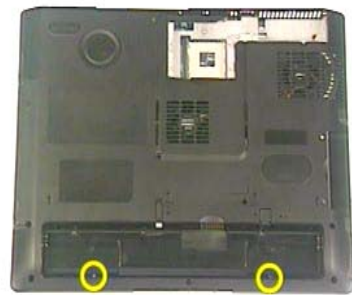
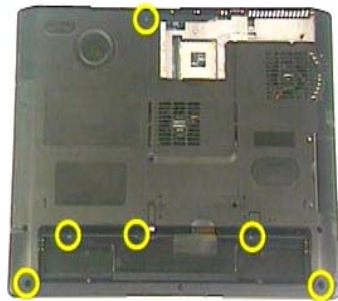
2. Remove 3 screws (M2*6L) And remove 2 screws (M2*6L) .



3. Remove 2 screws (M2*3L) And remove 3 screws (M2*6L) .

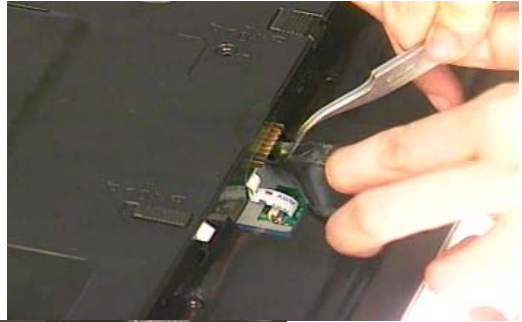
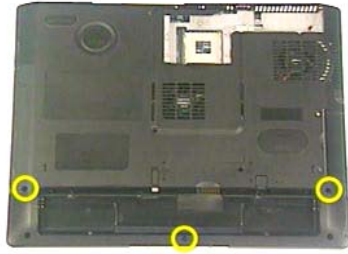


4. Remove 6 screws (M2*6L) Remove 2 screws (M2*3L) .

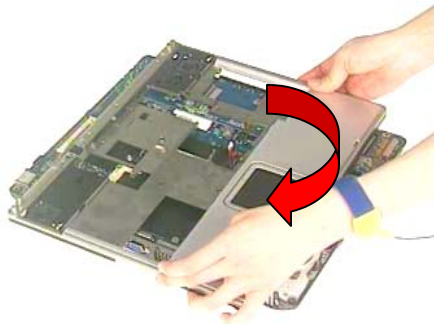


DISASSEMBLY PROCEDURE

5. Remove 3 screws (M2*13L) Remove 1 Mylar. Disconnect the touch pad FPC cable with tweezers.

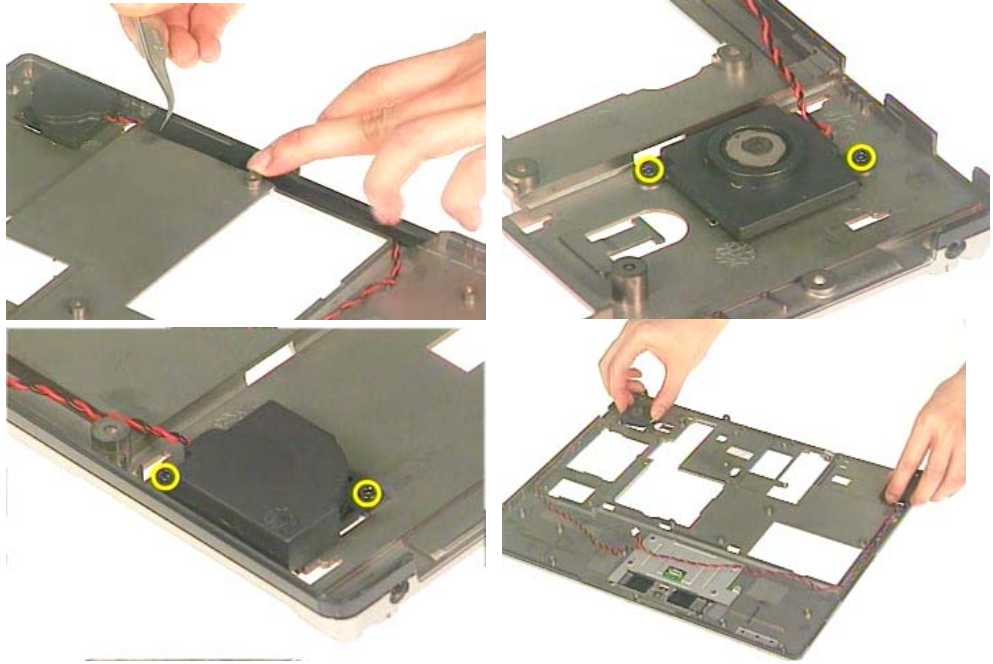


6. Separate Top Case module from the bottom case module and turn the TOP case and place it on disassembly. Disconnect speaker cable and remove Top case module.

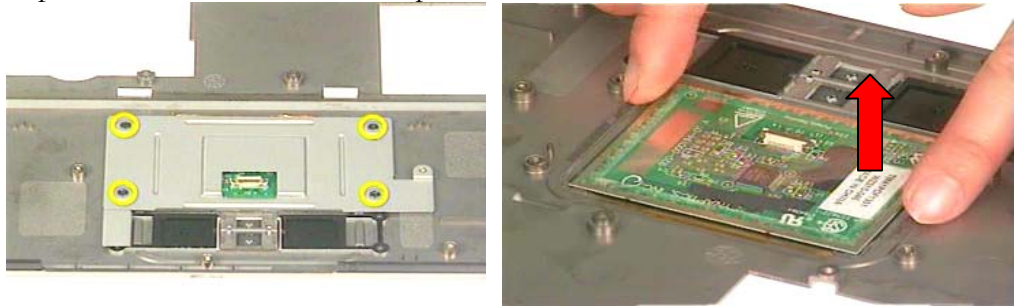


7. Remove 1 Mylar and remove 3 tapes here then loosen Speaker cable from Top case. Remove 2 screws (M2*3L) And 2 screws on the other side (M2*3L) Separate speakers from the top case module.

DISASSEMBLY PROCEDURE



8. Remove 4 screws (M2*3L) .And take touchpad bracket away. Remove 3 copper pieces here. Remove the touchpad.

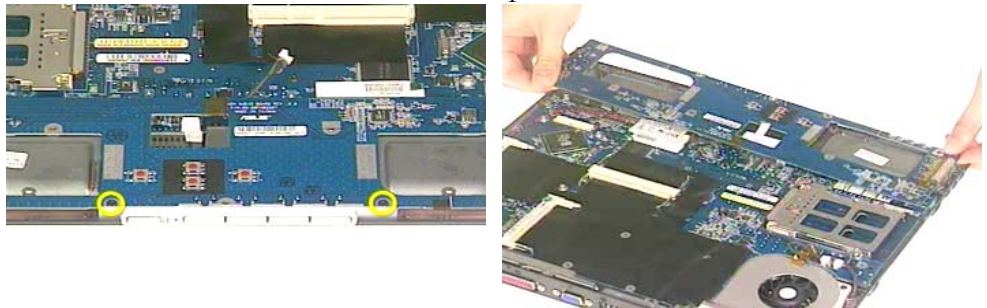


MOTHERBOARD MODULE

Motherboard module

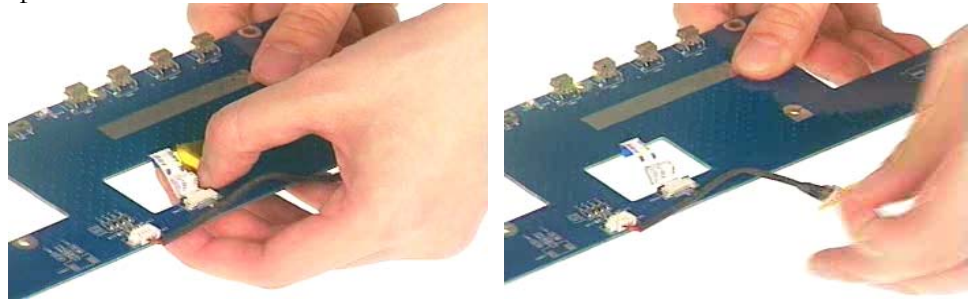
The illustrations below show how to disassemble and remove the Motherboard module.

1. Remove 2 screws (M2*6L) .Then separate audio board from motherboard.

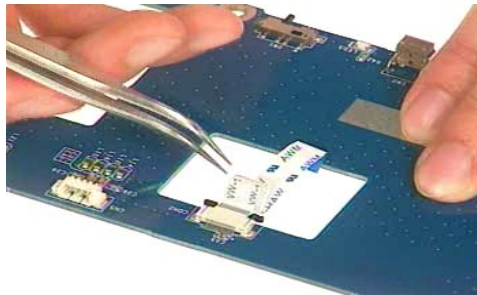


DISASSEMBLY PROCEDURE

2. Remove 1 tape then loosen Speaker cable from audio board. Disconnect speaker cable from audio board.



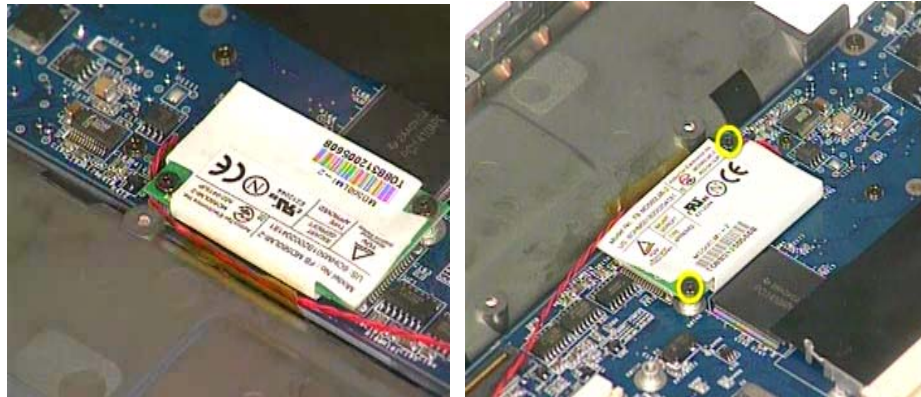
3. Disconnect touchpad FPC cable from audio board.



MDC MODULE REMOVAL

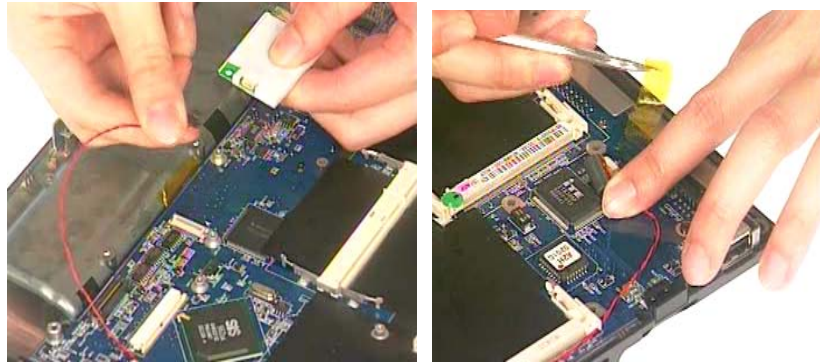
Removing Modem Module

1. Loosen 1 tape. Remove 2 screws (M2*3L)



2. Lift modem module up then disconnect modem cable and take it away. Remove 2 tapes. Then separate modem cable from motherboard. Remove 1 tape.

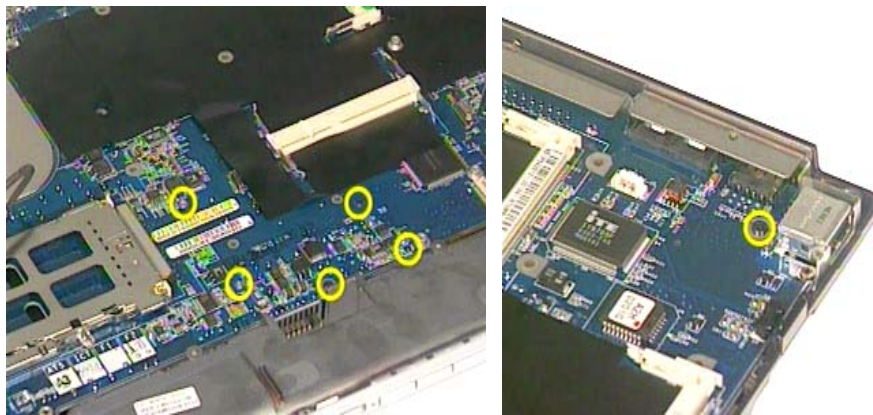
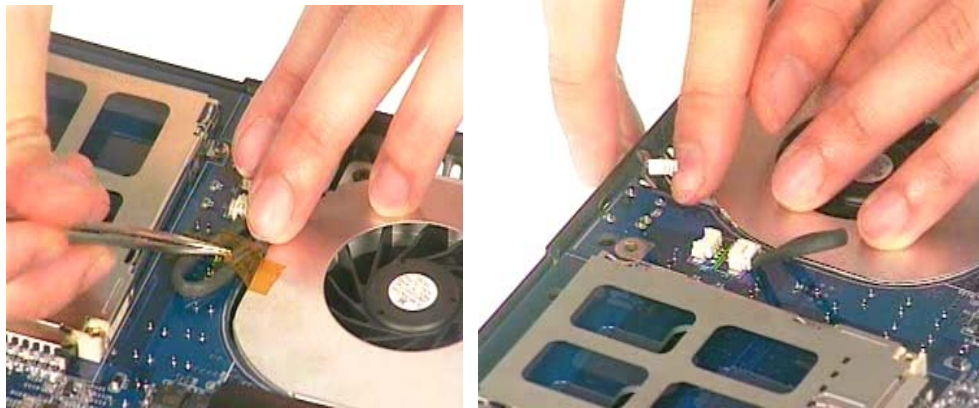
DISASSEMBLY PROCEDURE



MOTHERBOARD REMOVAL

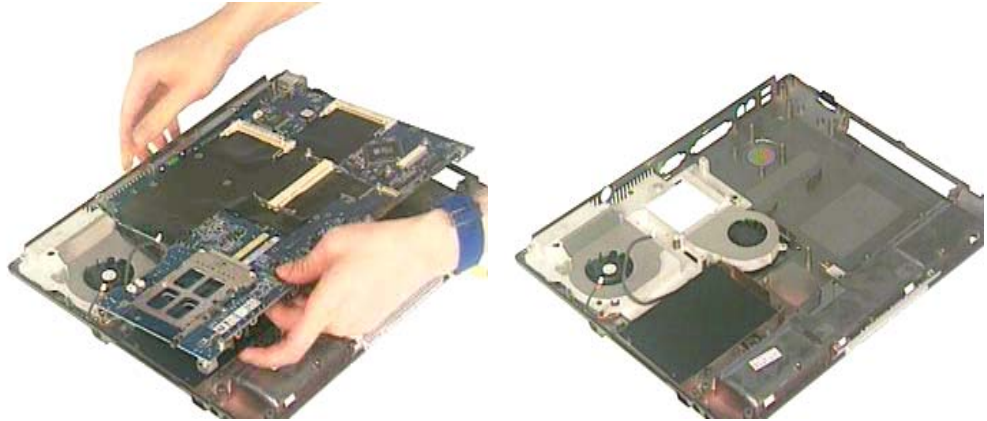
Removing Motherboard

1. Then separate fan cables from motherboard remove 5 screws (M2*8L) (M2*6L) (M2*6L) and 1 screw(M2*6L)



2. Lift the motherboard up a little bit and push aside the bottom case and separate motherboard module from the bottom case.

DISASSEMBLY PROCEDURE



BOTTOM CASE MODULE

Bottom Case Module

The illustrations below show how to disassemble and remove the bottom case module of the notebook.

1. Remove AUDIO DJ button here on bottom case.
2. Remove 3 screws (M2*6L) Disconnect thermal module on bottom case.

