

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 M6000 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 Drive Module
- HDD Module
- Second Memory Module
- CPU Module
- Keyboard Module
- First Memory Module
- Mini PCI 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. Press latch to open the battery module, then lift battery module away from the system.



HDD MODULE

HDD Module

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

Removing HDD Module

Remove 2 screws(M2*6L(K)), then remove the HDD cover and pull the hard disk module toward the direction of the arrow and lift it up and take it out.



HDD MODULE
REMOVAL

SECOND
MEMORY
MODULE

Second Memory Module

The M6000 Series Notebook do not have onboard RAM. There are two SO-DIMM sockets for installing SO-DIMM RAM. It can upgrade the total memory size up to 2GB with a 1GB module on each socket.

Removing Memory module

1. Remove 2 screws(M2*3L(K)) , then take the memory DIMM cover away.

MEMORY
REMOVAL

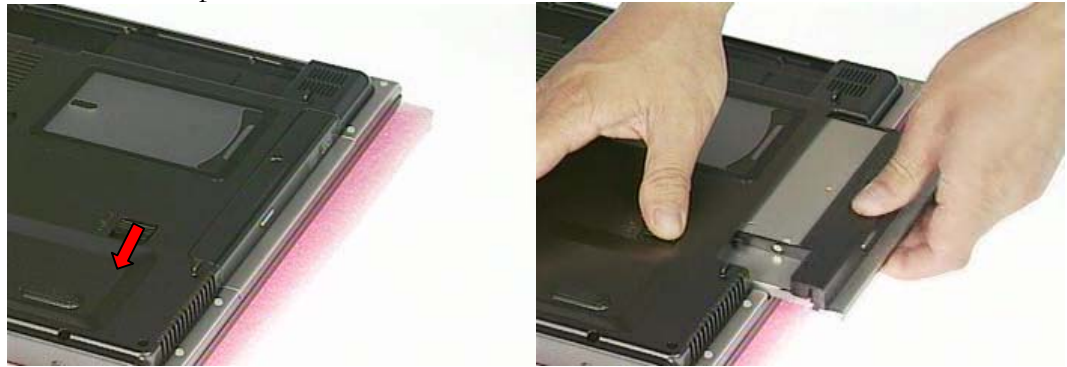
DISASSEMBLY PROCEDURE



OPTICAL DRIVE REMOVAL

Optical Drive Module

Press latch here then pull it out.



KEYBOARD DISASSEMBLY

K/B COVER REMOVAL

Keyboard Module

The illustration of below shows how to remove the keyboard

Removing Keyboard Cover

1. Remove 2 screws (M2.5*6L(K)) on the bottom case.



DISASSEMBLY PROCEDURE

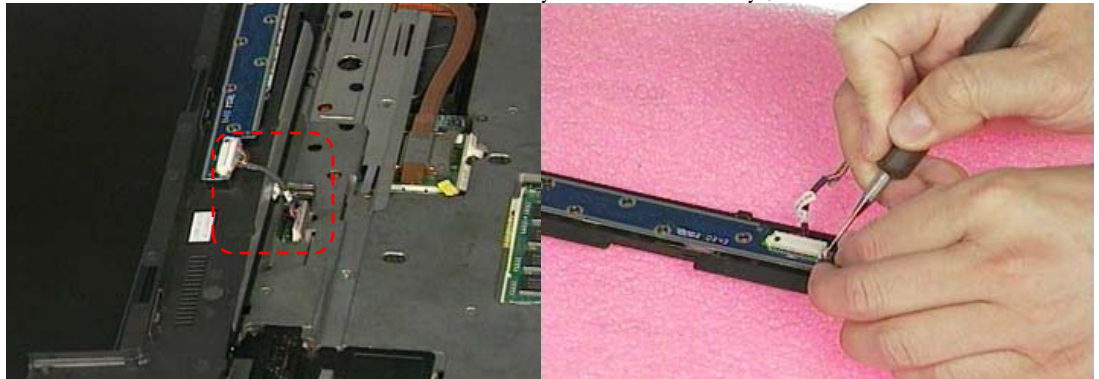
2. Unlock 3 keyboard latches then pull out the keyboard forward and lay the keyboard on the front side .



3. Remove 2 screws on the keyboard cover , then use tweezers to disconnect the keyboard two covers and lift it up.

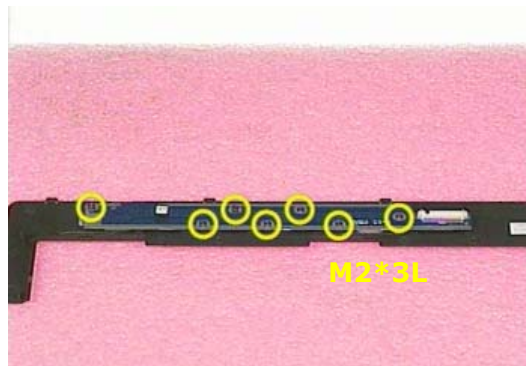


4. Loosen the switch board cable and take the keyboard cover away , then remove the switch cable



5. Remove 7 screws and take the switch board away.

DISASSEMBLY PROCEDURE



CPU MODULE REMOVAL

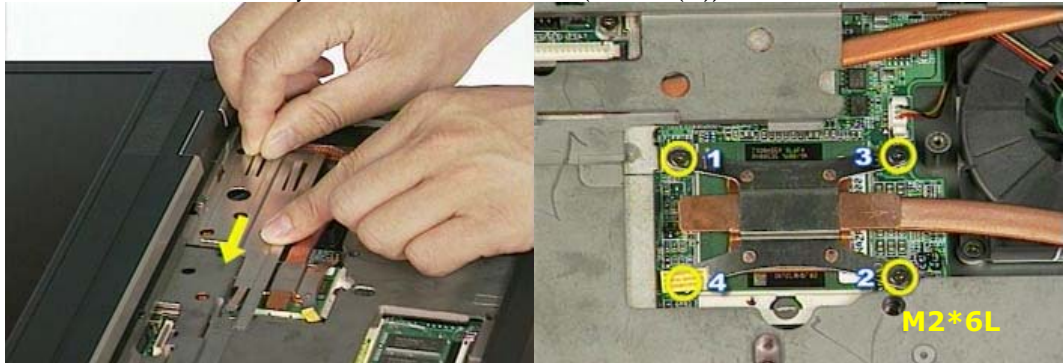
CPU Module

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

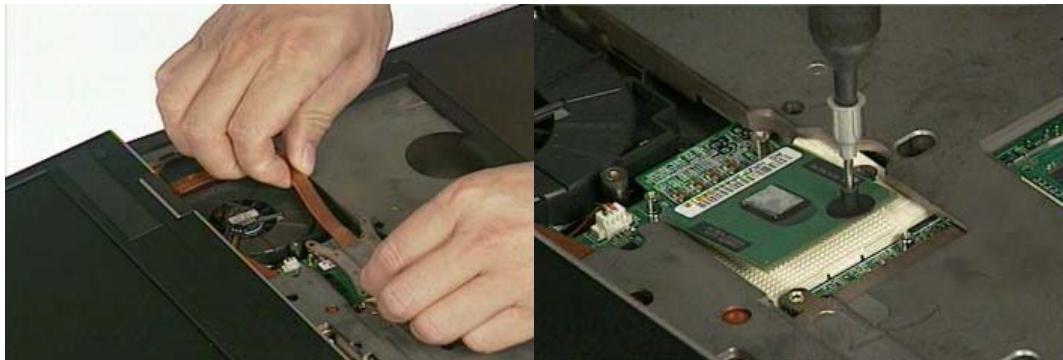
CPU REMOVAL

Removing CPU

1. Take the Fan bracket away then remove 4 screws (M2*6L(K)).



2. Remove Thermal module and open the CPU Socket's latch to loosen the CPU. (The use the CPU vacuum hand pump to "suck up" the CPU and lift the CPU away.)



DISASSEMBLY PROCEDURE

FIRST MEMORY MODULE REMOVAL

First Memory Module

The first memory module is under keyboard. Open the two latches to pop up memory module at 45 degrees angle then pull it out .



WIRELESS LAN MODULE

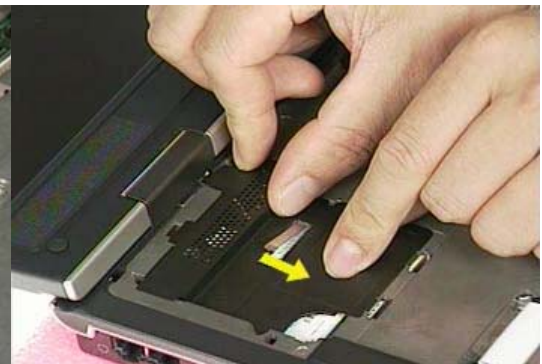
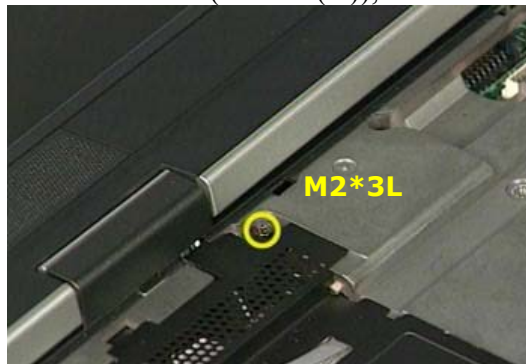
Mini PCI Module

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 screw(M2*3L(K)), then take the mini-PCI cover off.



2. Disconnect 2 antenna cables, then open two latches to pop up wireless LAN module at 45 degrees angle and pull it out.



DISASSEMBLY PROCEDURE

LCD MODULE

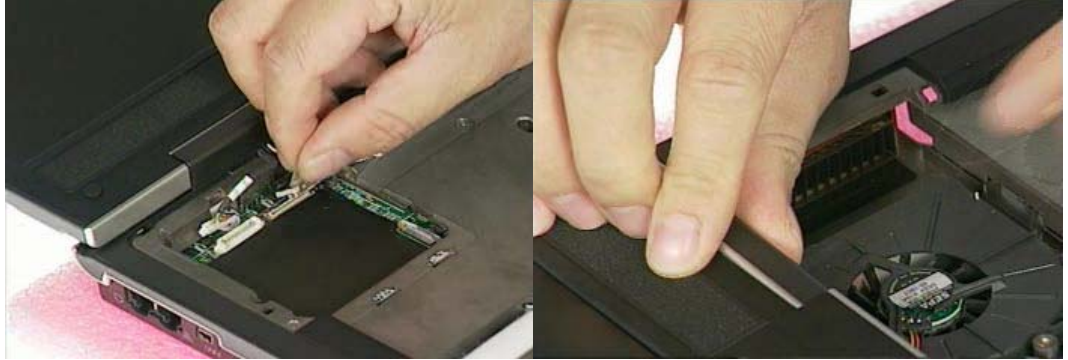
LCD Module

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, LCD back cover

LCD REMOVAL

Removing LCD Module

1. Disconnect LCD coaxial cable and Inverter cable, then detach the left hinge cover and the right hinge cover.



2. Remove 2 screws (M2.5*6L(K)) at bottom case.

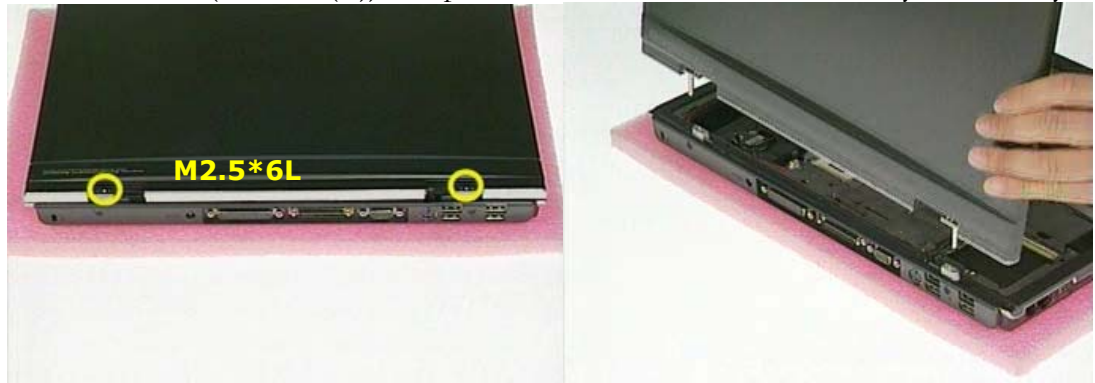


3. Remove 2 pads and 2 screws (M2*3L(K)) at rear side.



DISASSEMBLY PROCEDURE

4. Remove 2 screws(M2.5*6L(K)) at top side, then lift the LCD module away from the system.



LCD DISASSEMBLY

Disassembling LCD Module

1. Remove 4 rubber pads and 4 screws(M2.5*6L(K)) from LCD module.

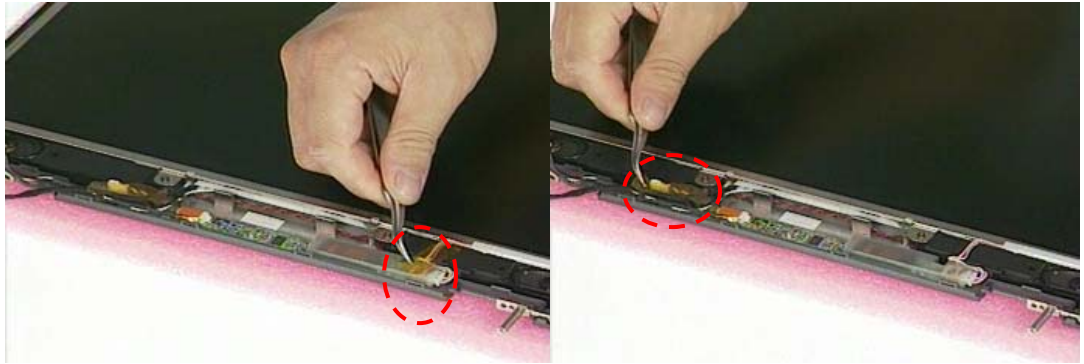


2. Prying the inside edges of the top front bezel, then separate it from LCD back cover and take LCD front bezel away.

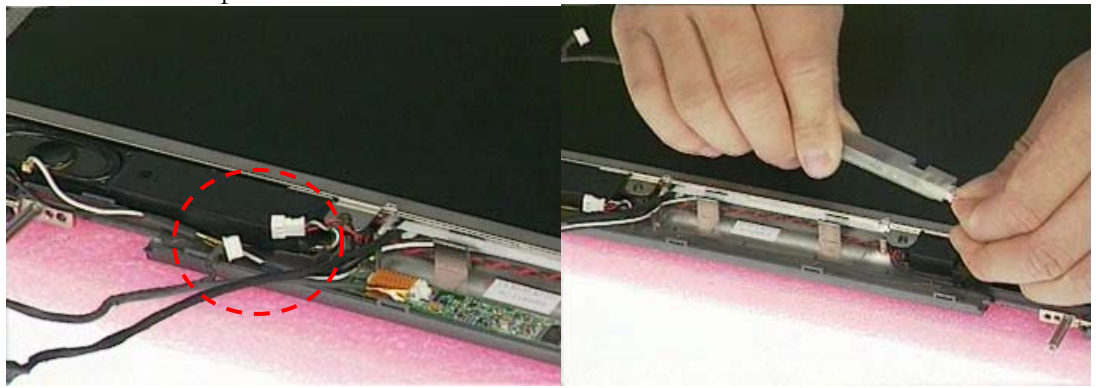


3. Remove 1tape and the other tape here.

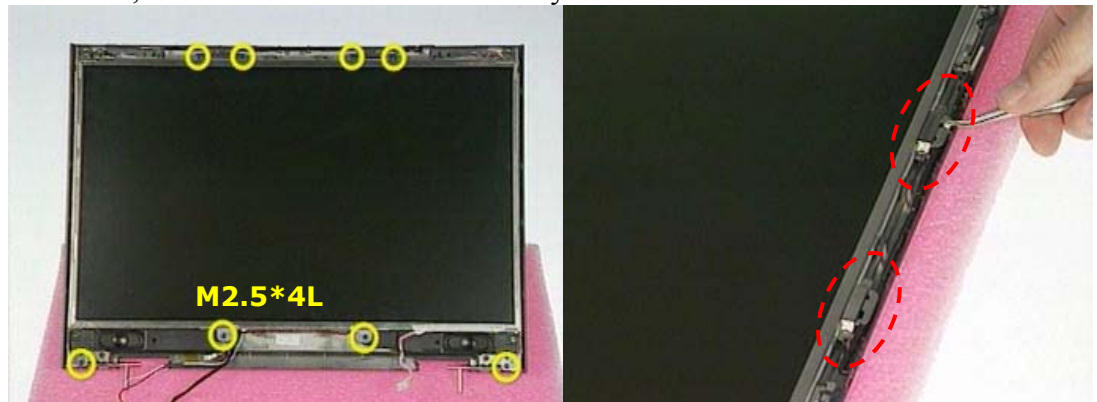
DISASSEMBLY PROCEDURE



4. Disconnect the speaker cable and LCD cable then take Inverter board off.

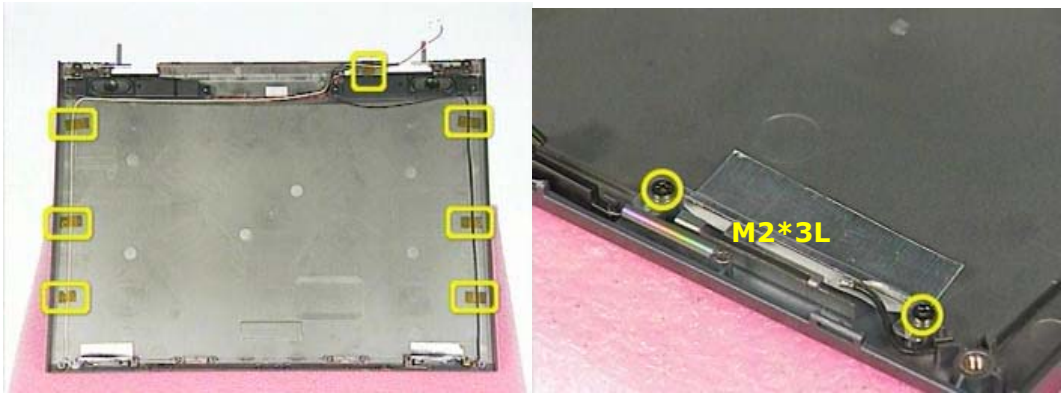


5. Remove 8 screws (M2*3L(K) x 4 , (M2*6L(K) x 2 , (M2.5*4L(K) x 2) and 2 fixed slices off , then take the LCD Bracket away.

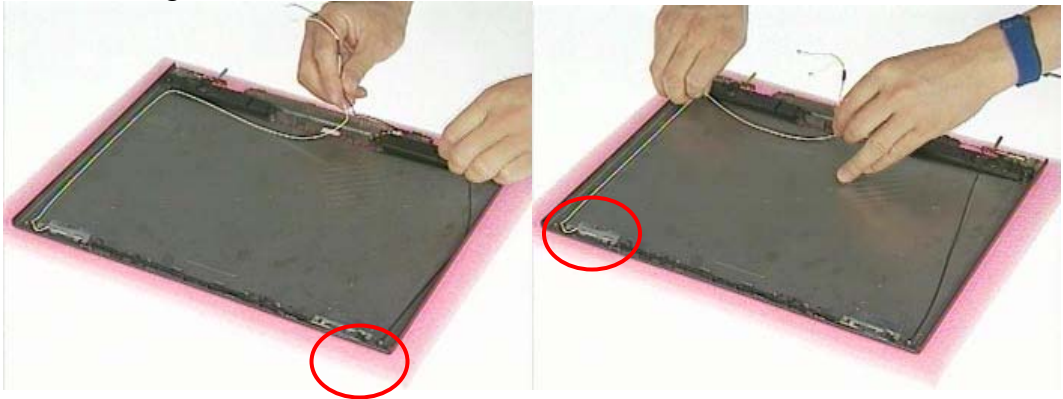


6. Remove 7 tapes 、 2 screws and 2 screws(M2*3L(K)) on the other side.

DISASSEMBLY PROCEDURE

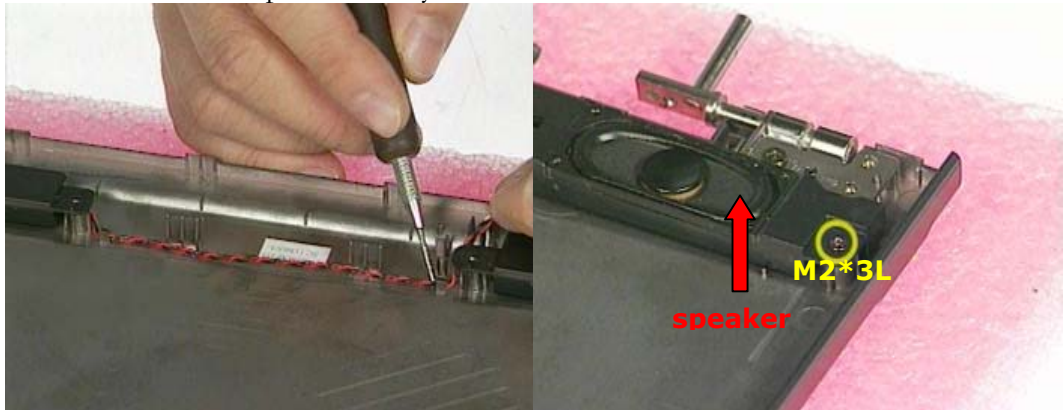


7. Detach the right & left antenna and its cable.



**TOP CASE
MODULE**

8. Remove the speaker cable, then remove 1 screw(M2*3L(K)) and 1 screw on the other side. Then take two speakers away



9. Detach the LCD hooker and spring then take it away.

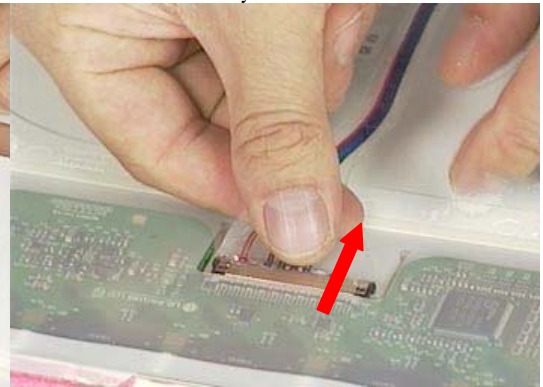
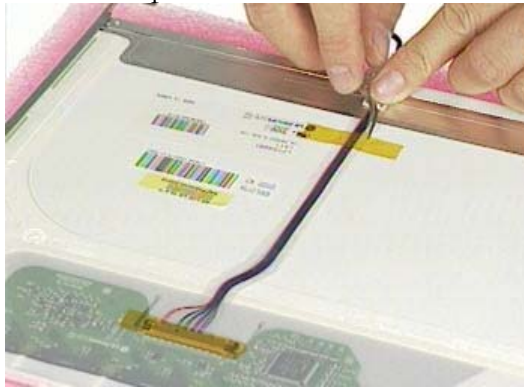
DISASSEMBLY PROCEDURE



10. Remove 1 screw (M2.5*4L(K)) and 1 screw on the other side, then take right and left hinge off.

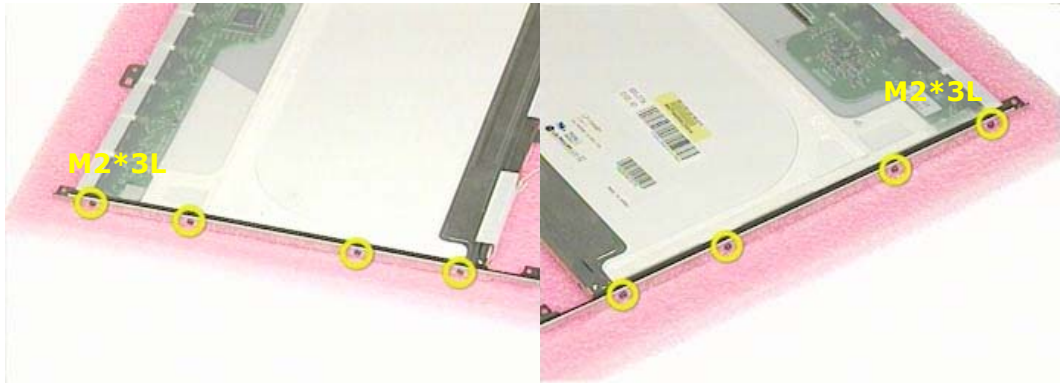


11. Remove 2 tapes and disconnect coaxial cable then take it away.



12. Finally, Remove 4 screws(M2*3L(K)) on the right LCD bracket , and 4 screws on the left side to disassemble LCD brackets.

DISASSEMBLY PROCEDURE



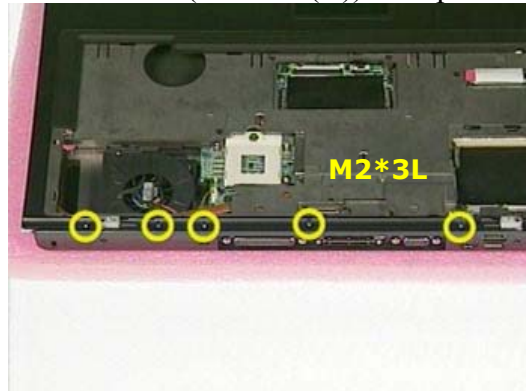
Top Case Module

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

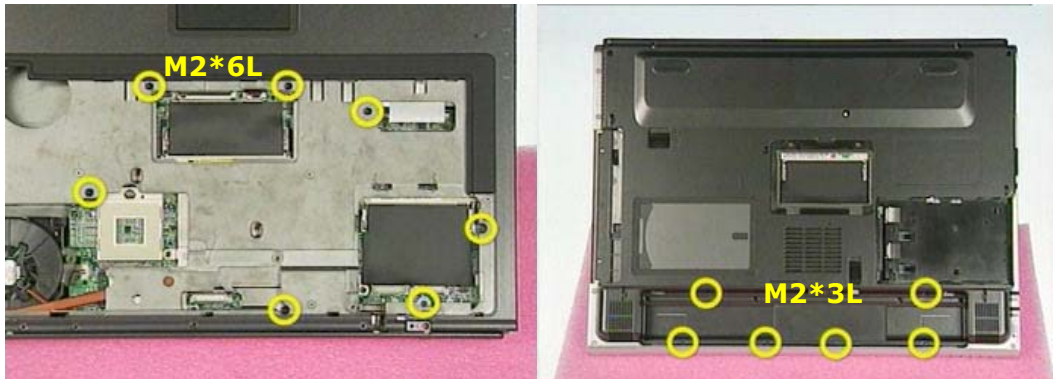
TOP CASE
MODULE
REMOVE

Removing Top Case Module

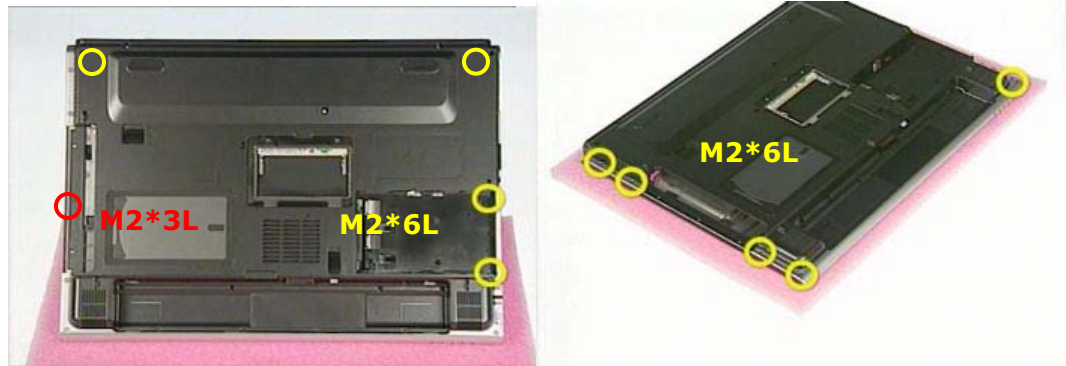
1. Remove 5 screw pads and 5 screws(M2*3L*(K)) on top side.



2. Remove 7 screws (M2*6L(K)) on top case and 16 screws (M2*3L(K)+M2*6L(K)) on bottom case.

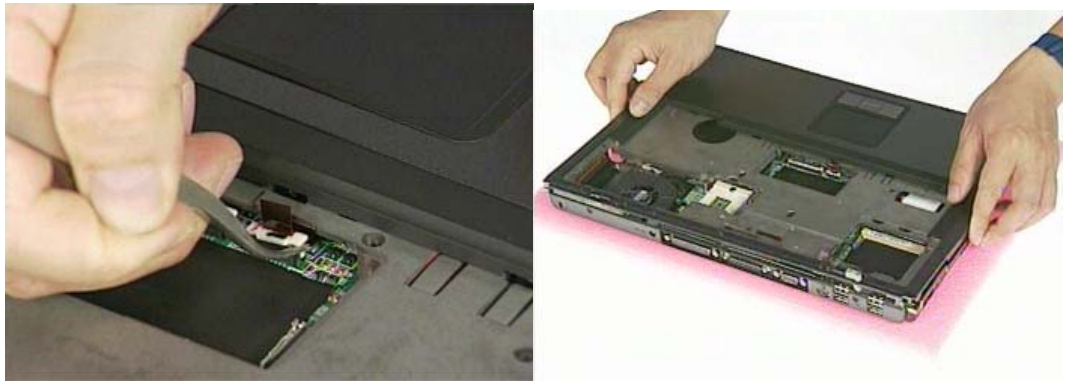


DISASSEMBLY PROCEDURE

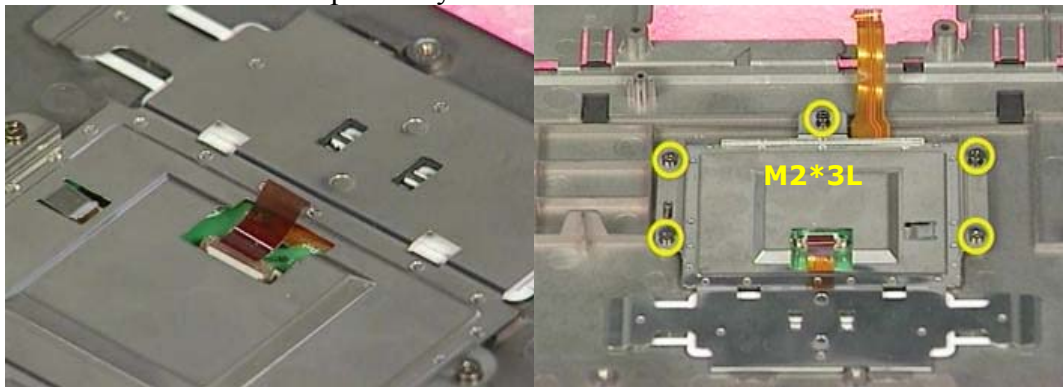


Removing touch pad

3. Loosen the touch pad FPC cable then separate the top case module from the bottom case module.



4. Disconnect touch pad FPC cable and remove 5 screws(M2*3L(K)) then take touch pad bucket off and take touch pad away.



Motherboard module

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

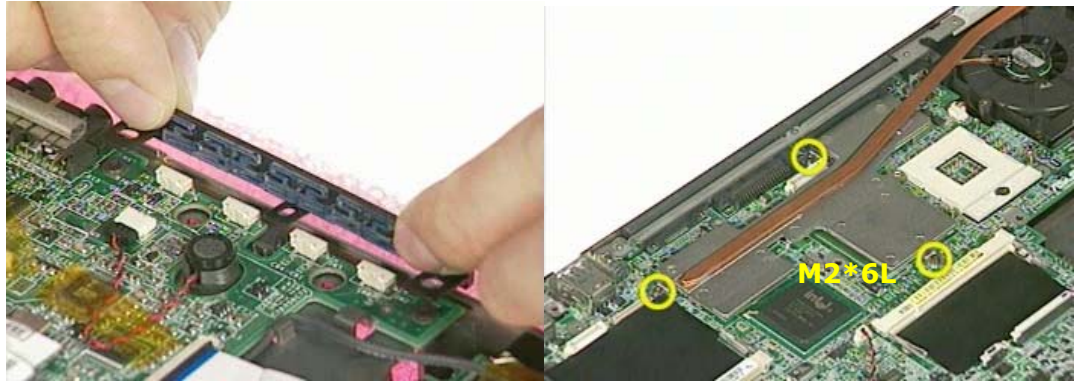
Removing Motherboard Module

1. Remove the audio DJ and 3 screws (M2*6L(K)).

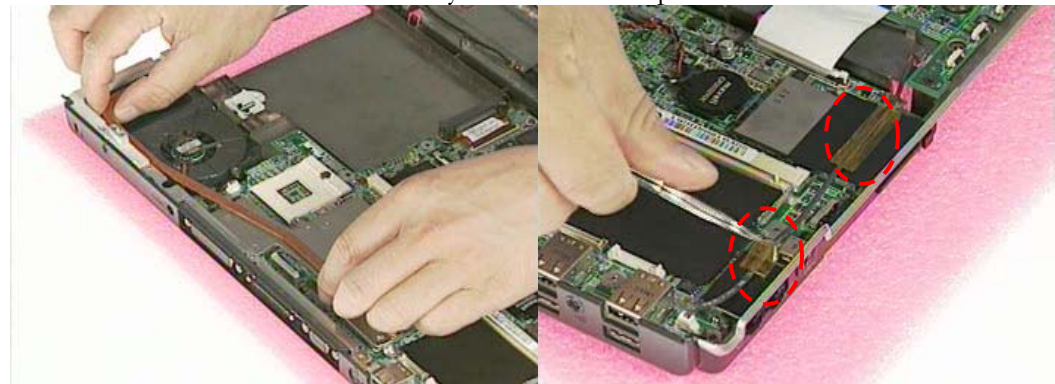
MOTHERBOARD
MODULE

MDC MODULE
REMOVAL

DISASSEMBLY PROCEDURE

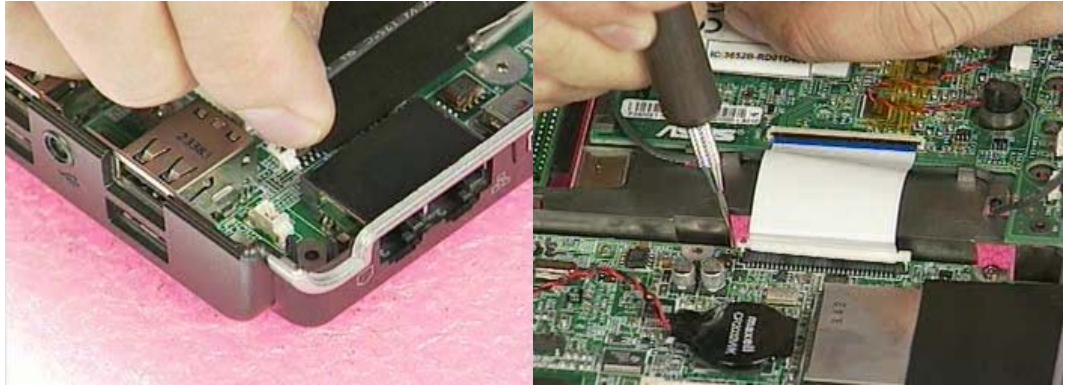


2. Take the VGA heat sink module away and remove 2 tapes then disconnect modem cable.



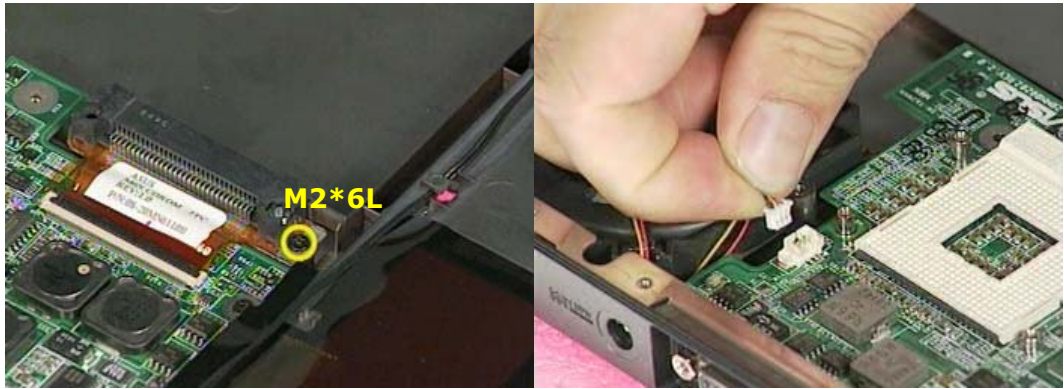
MOTHERBOARD REMOVAL

3. Loosen the audio FPC and FAN cable.

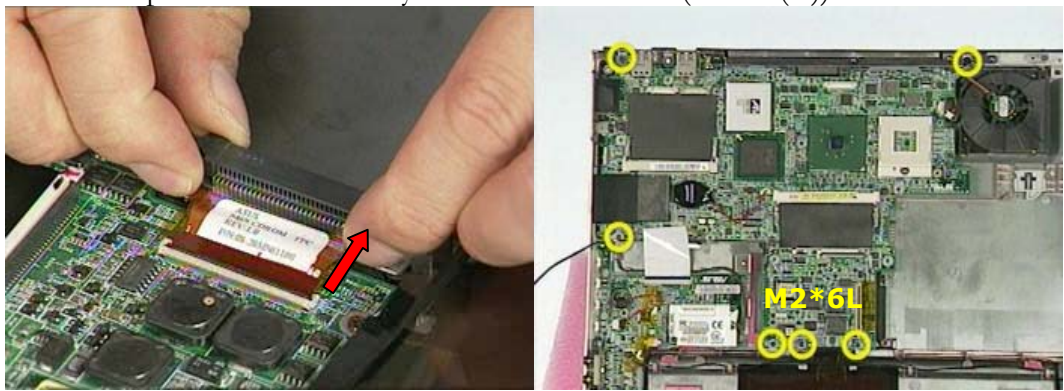


4. Remove 1 screw(M2*6L(K)) then take the optical drive FPC away.

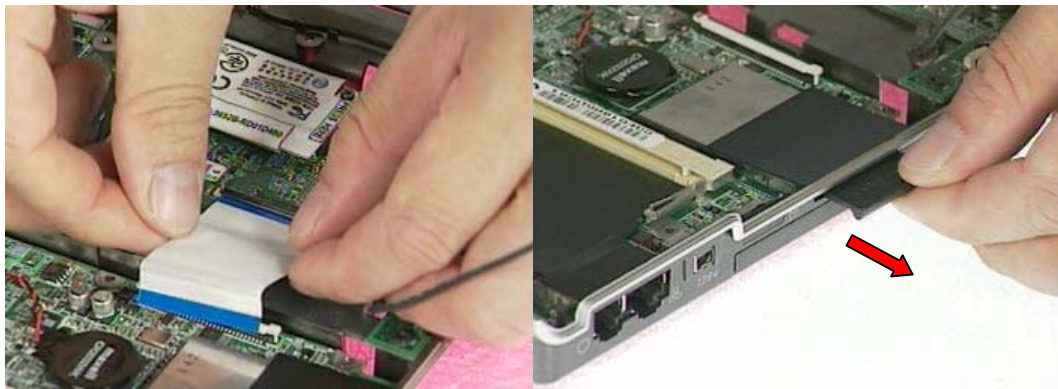
DISASSEMBLY PROCEDURE



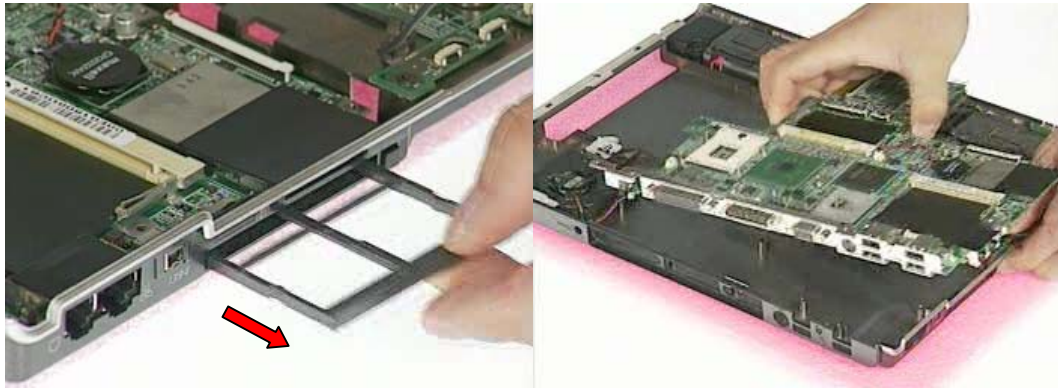
5. Take the optical drive FPC away and remove 6 screws(M2*6L(K)).



6. Remove the audio FPC and pull out the card reader dummy & PCMCIA dummy. Finally, pull out the motherboard from the bottom case carefully.



DISASSEMBLY PROCEDURE

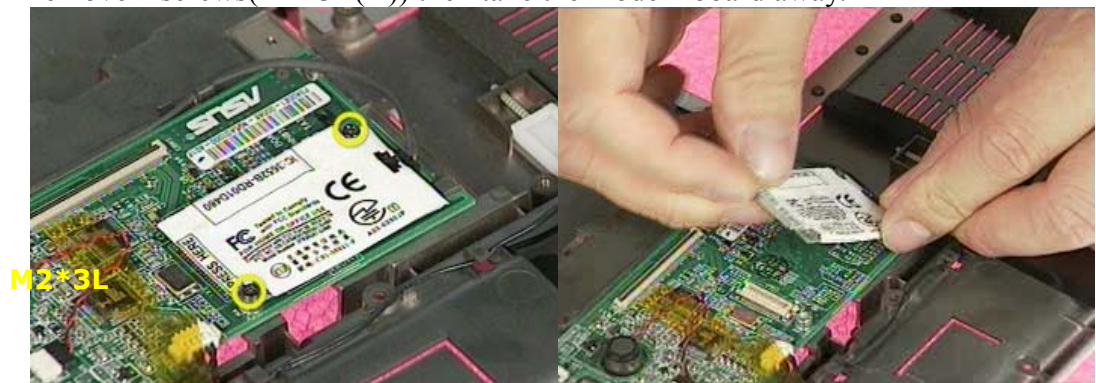


**BOTTOM
CASE
MODULE**

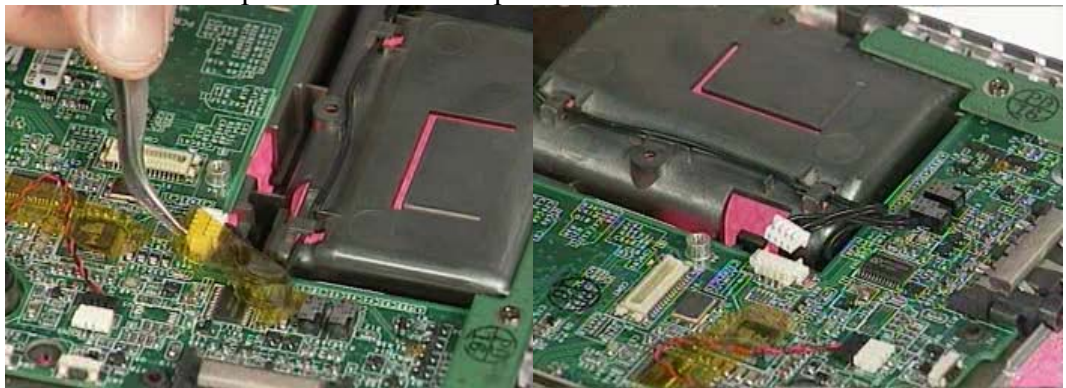
Bottom Case Module

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

1. Remove 2 screws(M2*3L(K)) then take the modem board away.

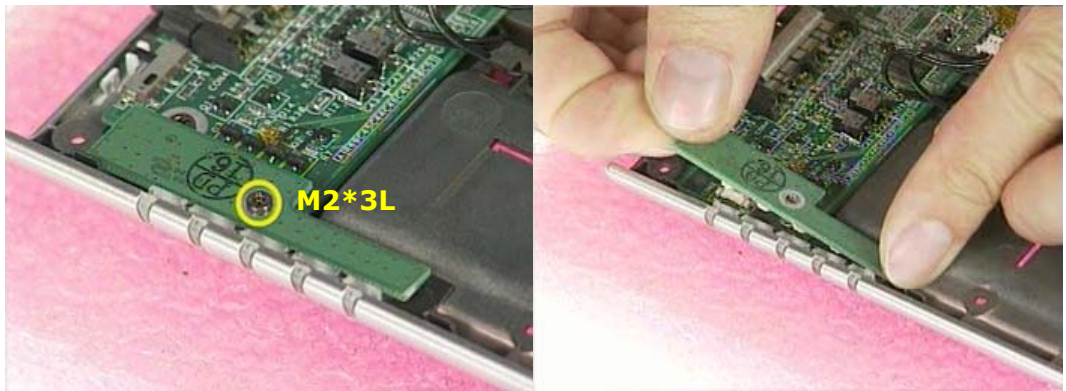


2. Remove 1 screw tape then loosen the speaker cable.

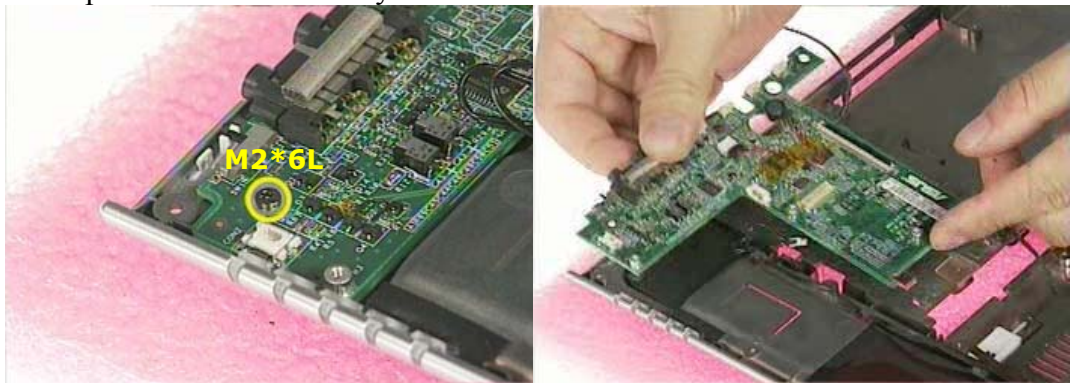


3. Remove 1 screw (M2*3L(K)) then take the LED board away.

DISASSEMBLY PROCEDURE



4. Remove 1 screw (M2*6L(K)) then remove the MIC out the hole and pull out the audio board upward then take it away.

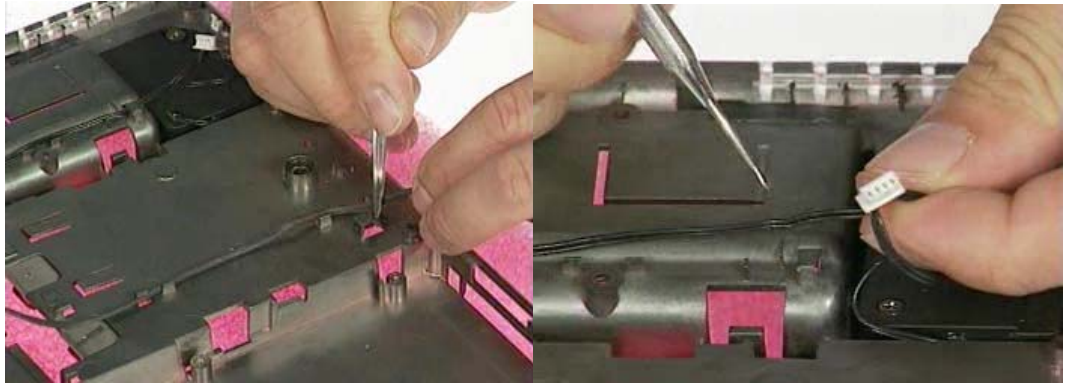


5. Remove 1 tape then take the MIC away.

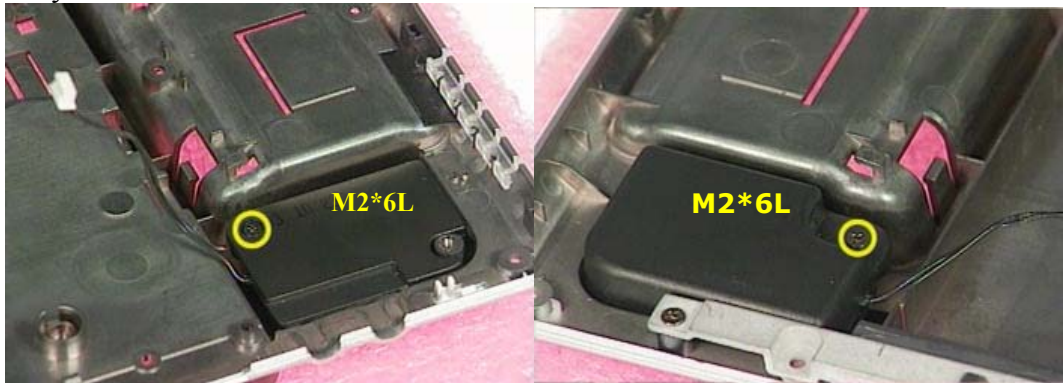


6. Use tweezers to lift modem cable up then take it away

DISASSEMBLY PROCEDURE



7. Remove 1 screw (M2*6L(K)) and 1 screw on the other side and then take 2 speakers away.



8. Finally, Remove 2 screws (M2.5*4L(K)) then take the FAN module away.

