

## 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.*

**S** 37E 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
- CPU Module
- Memory Module
- WLAN Module
- HDD Module
- Optical Drive Module
- Keyboard Module
- Top Case Module
- Motherboard Module
- LCD Module

BATTERY

### Battery Module

The illustration below shows how to remove the battery module.

Remove Battery module

1. Slide the battery latch 1 to open battery lock



2. Slide the battery latch 2 and pull the whole battery out.



CPU MODULE  
REMOVAL

### CPU Module

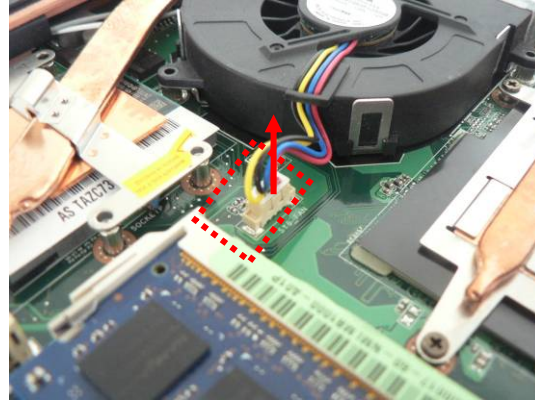
The illustrations below show how to remove the CPU module from the notebook.

Removing CPU module

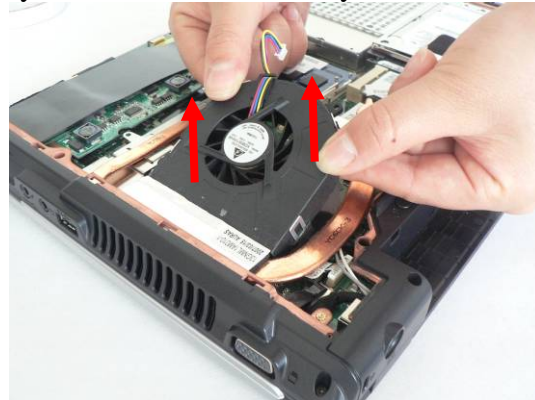
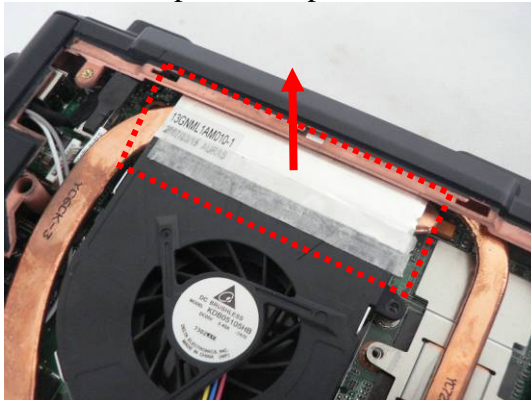
1. Remove 6 screws on CPU door and take the CPU door away.



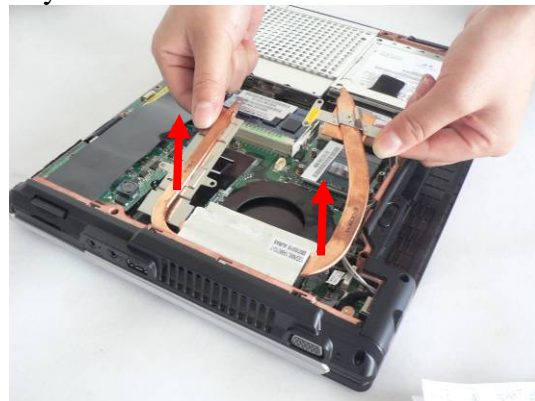
2. Remove 2 screws and then disconnect the CPU fan cable.



3. Remove 1 piece of tape here and take away the CPU fan from the system.



4. Remove 7 screws on heat sink and take away the heat sink module.



5. Turn the non-removable screw here 180 degrees counter-clockwise to loosen the CPU.



6. Squeeze the vacuum handling pump on the CPU and use it to lift the CPU away.



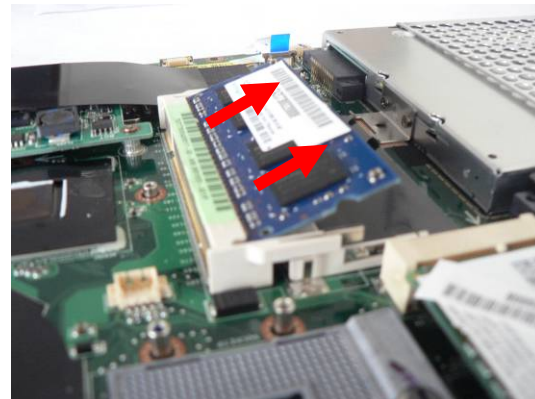
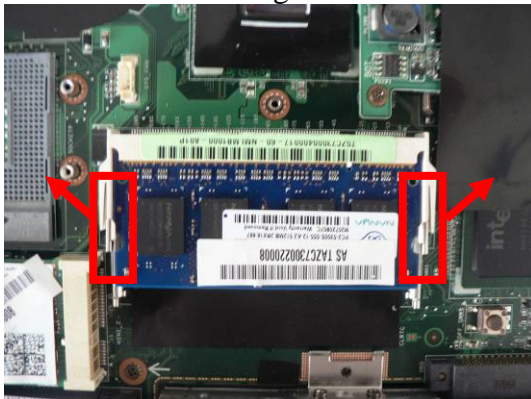
MEMORY  
MODULE

## Memory Module

*The illustration shows how to remove the memory module form the notebook.*

Removing Memory module

1. Pull two latches here to pop the Memory module up at 45° angles, and then pull out the module at that angle.



MEMORY  
REMOVAL



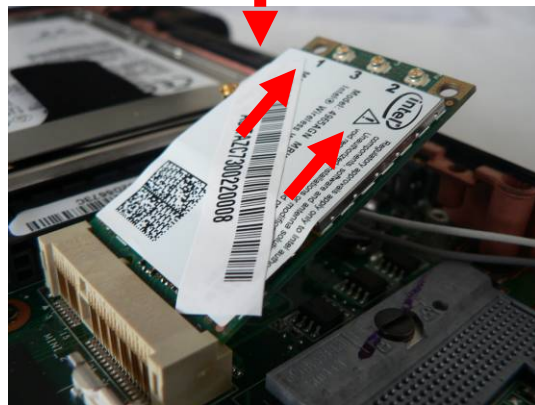
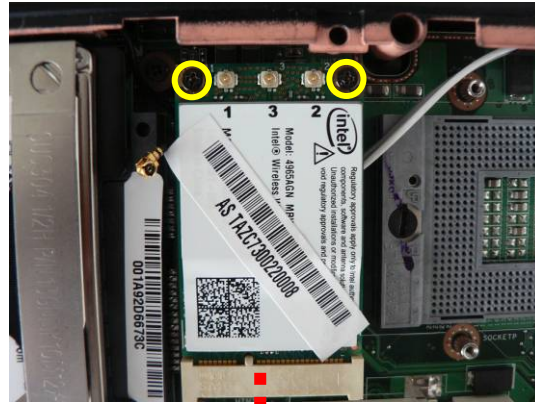
WLAN  
MODULE

## WLAN Module

The illustration below shows how to remove the WLAN module from the notebook.

Remove WLAN module

1. Disconnect the three antennas here and then remove two screws to pop it up at 45 degree angles and then pull it out at that angle.



HDD  
MODULE

## HDD Module

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

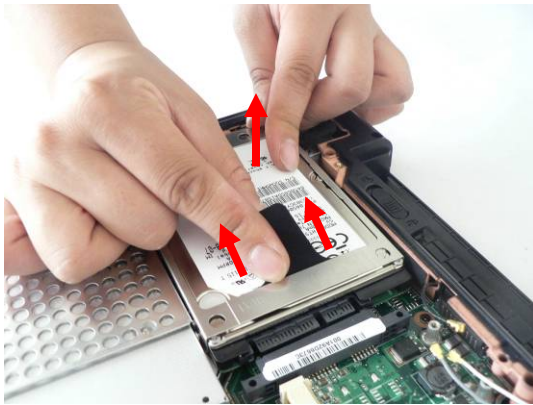
Removing HDD Module

1. Remove 2 screws here.

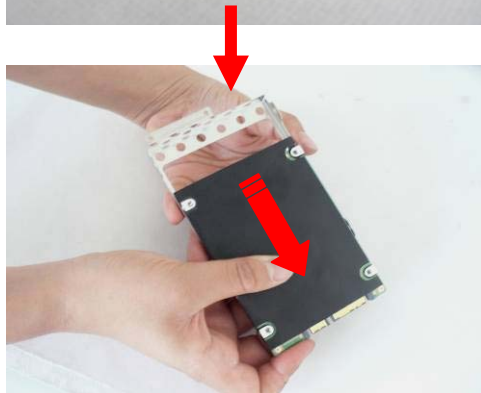


HDD  
MODULE  
REMOVAL

2. Pull the hard disk module toward the direction of the arrow and then lift it up and take it out.



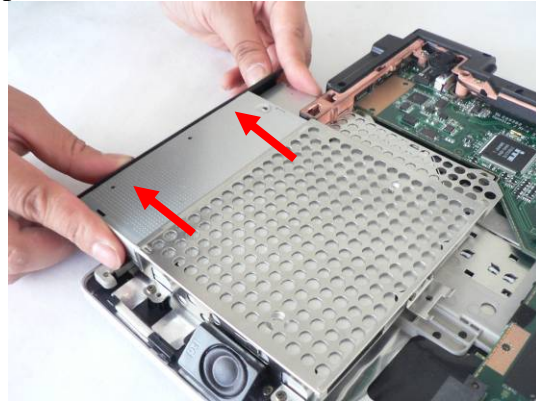
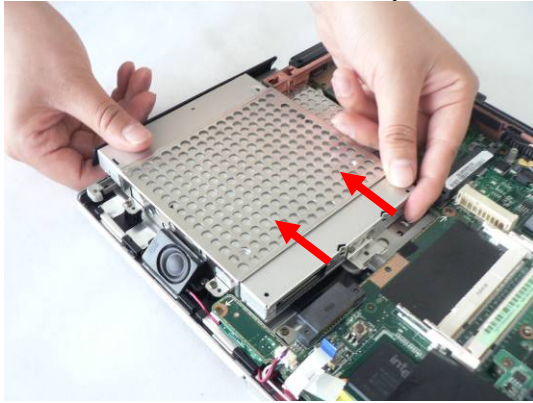
3. Remove 4 screws to separate HDD from HDD housing.



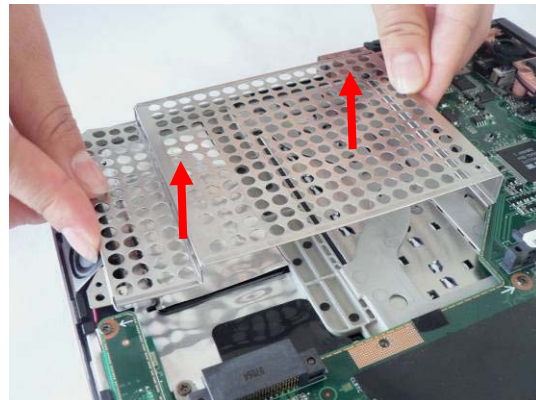
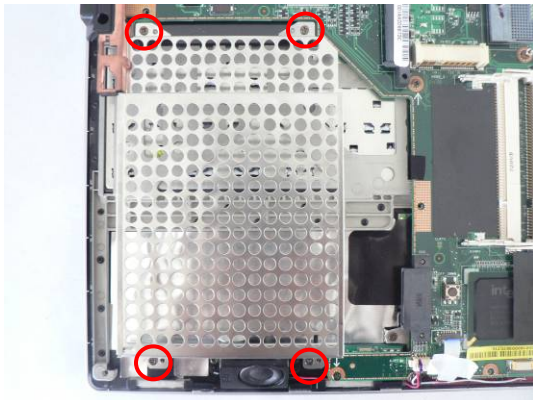
OPTICAL  
DRIVE  
REMOVAL

### Optical Drive Module

1. Push the ODD module softly and slowly pull the ODD module out.



2. Remove 4 screws here and remove the ODD bracket.

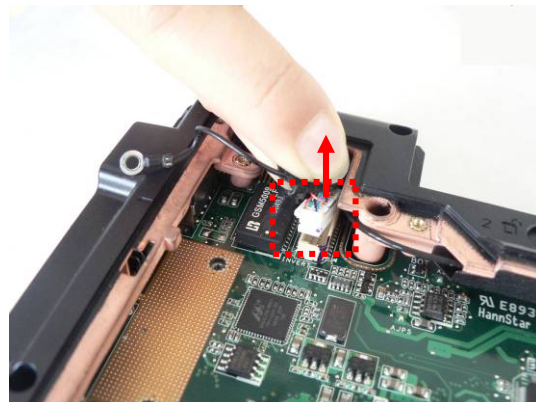


BOTTOM CASE  
REMOVAL

### Bottom Case Module

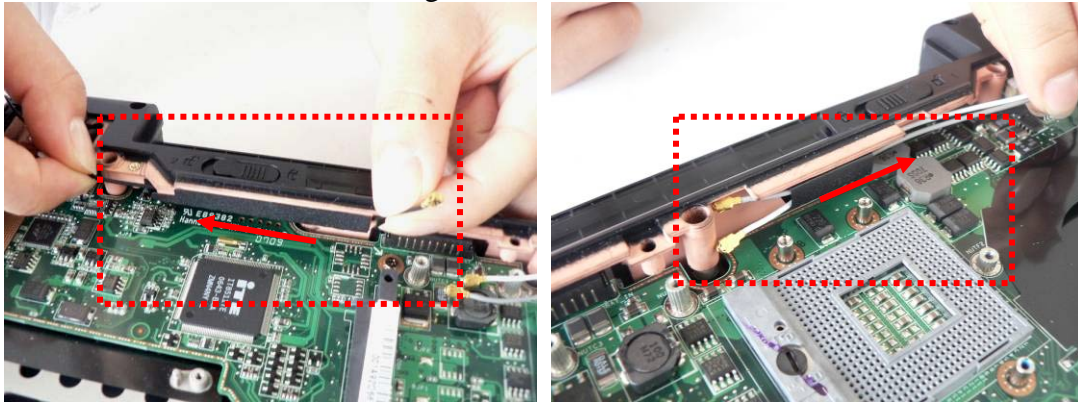
*The illustrations below show how to disassemble and remove the bottom case module of the notebook. The module contains the bottom case itself.*

1. Remove 1 screw here and disconnect the cable.

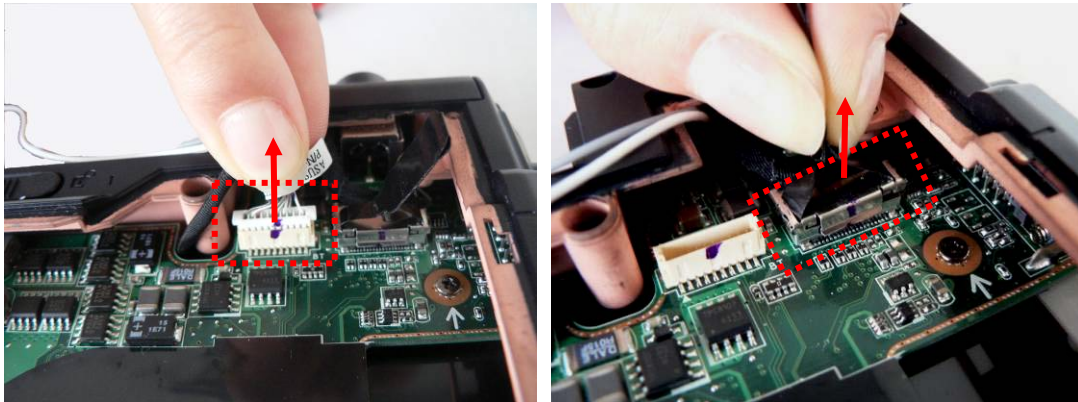




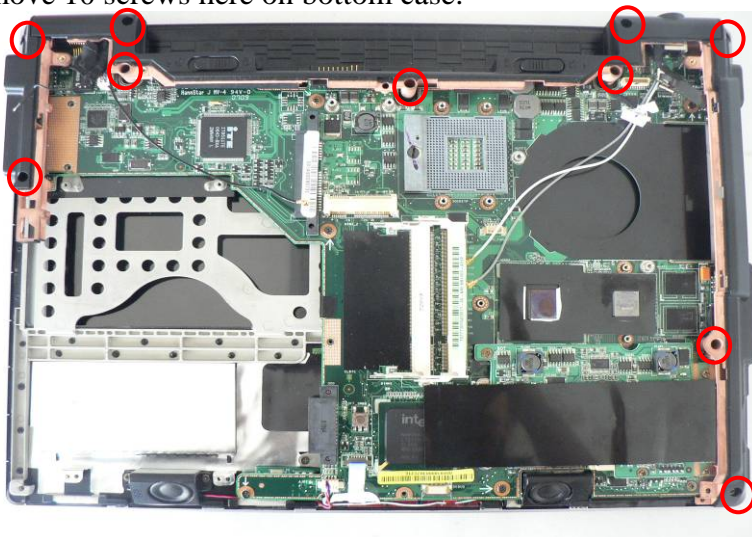
2. Put the WLAN antennas through the hole of bottom case.



3. Disconnect the two cables here.

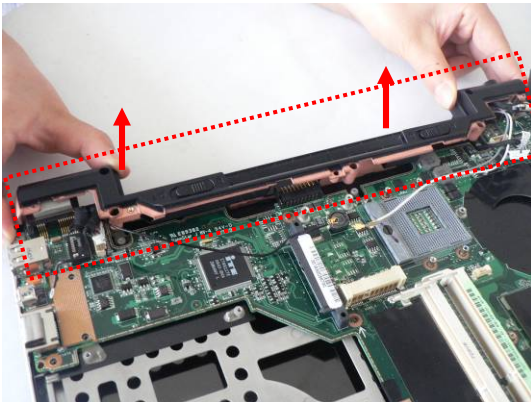
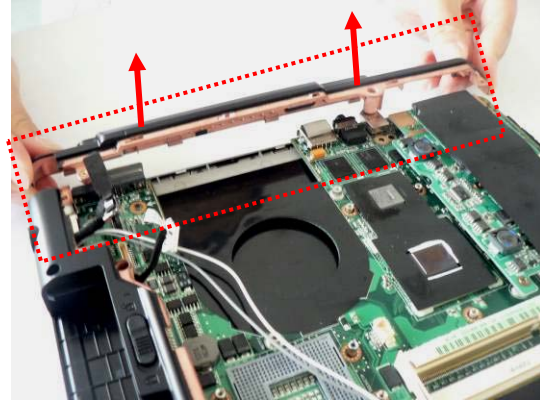
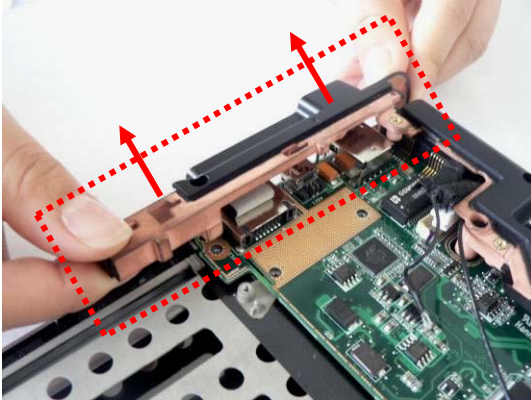


4. Remove 10 screws here on bottom case.





5. Remove the left side cover, right side cover and the bottom case orderly.

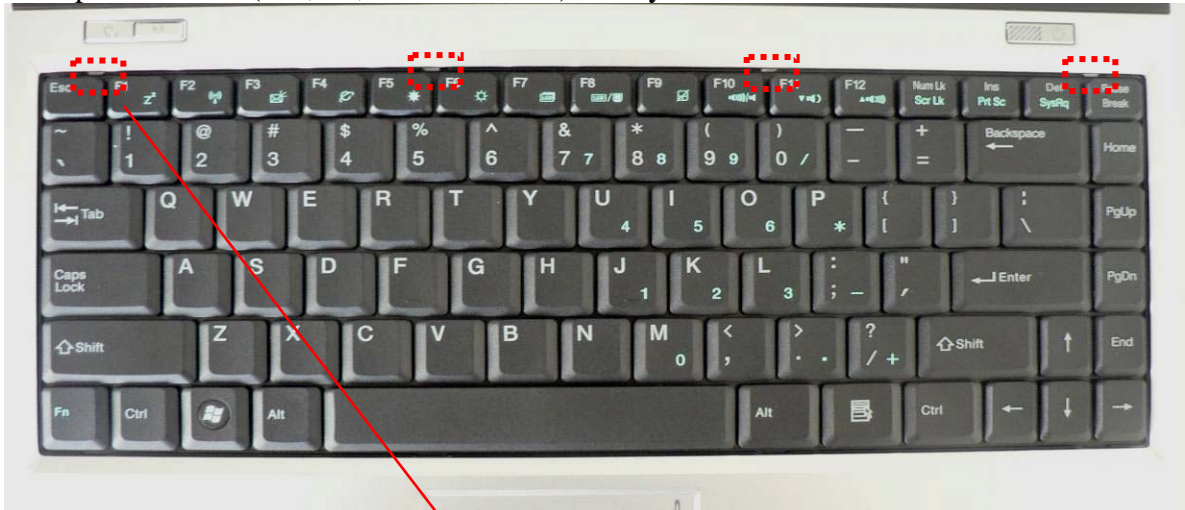


## Keyboard Module

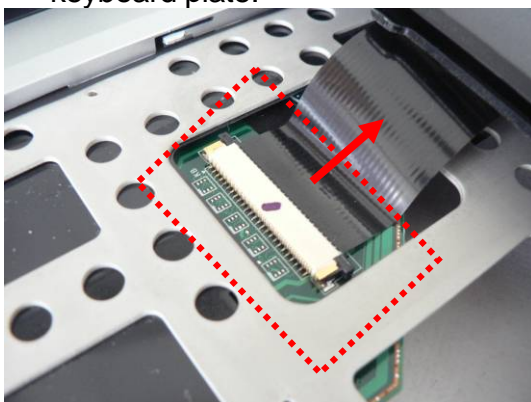
The illustrations below show how to remove the keyboard.

Removing Keyboard

1. Open 4 latches (Esc, F5, F10 and Pause) on keyboard module.

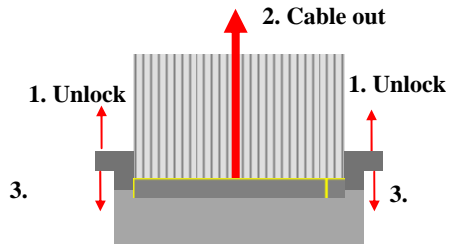


2. Turn over the keyboard plate and disconnect the keyboard FPC, and then remove the keyboard plate.



Removing Keyboard Cable

1. Use a flexible connector tool to unlock the cable connector on both ends (no. 1).
2. Carefully pull out the keyboard cable (no. 2) with a pair of tweezers.
3. Lock the connector (no. 3) again to avoid possible breakage.



THE BOARD  
MODULE

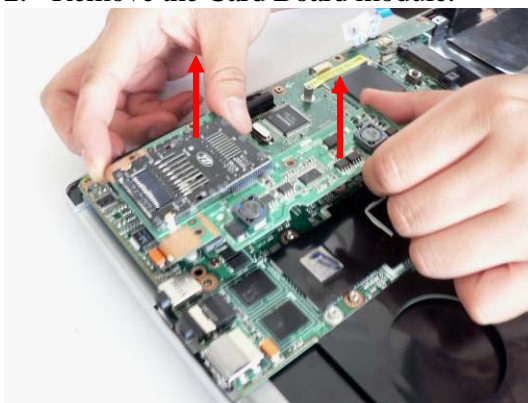
Motherboard module

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

1. Tear this mylar here and remove 5 screws here.

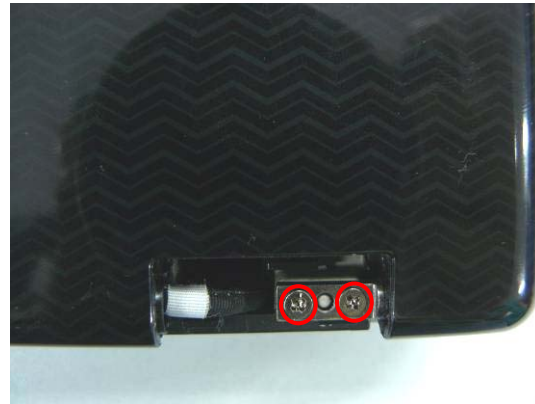


2. Remove the Card Board module.

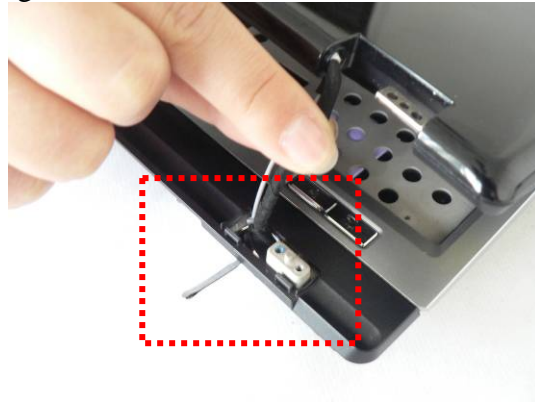
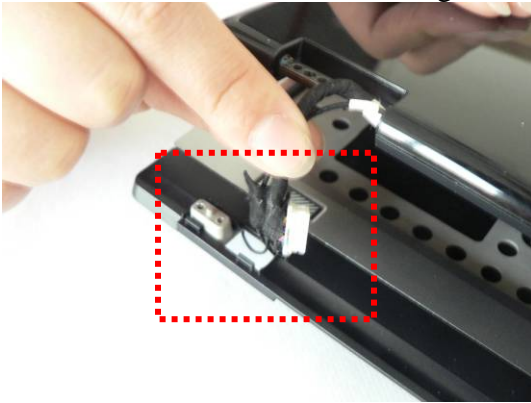




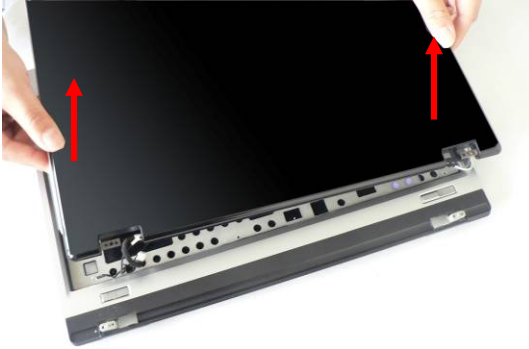
3. Remove both hinge covers and remove 2 screws on each hinge.



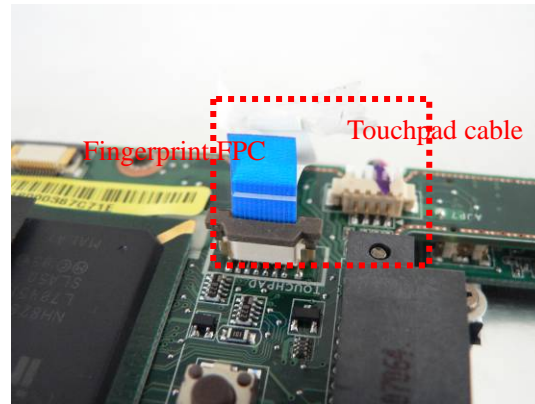
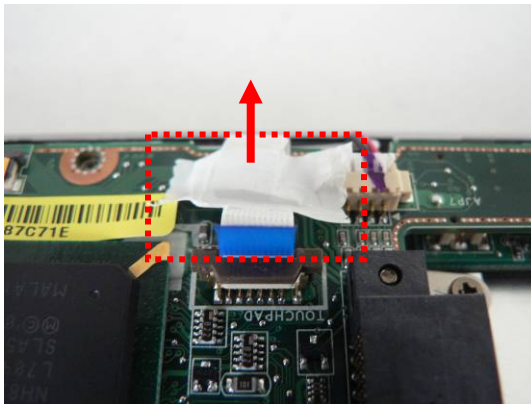
4. Put the cables and antennas through the hinge holes.



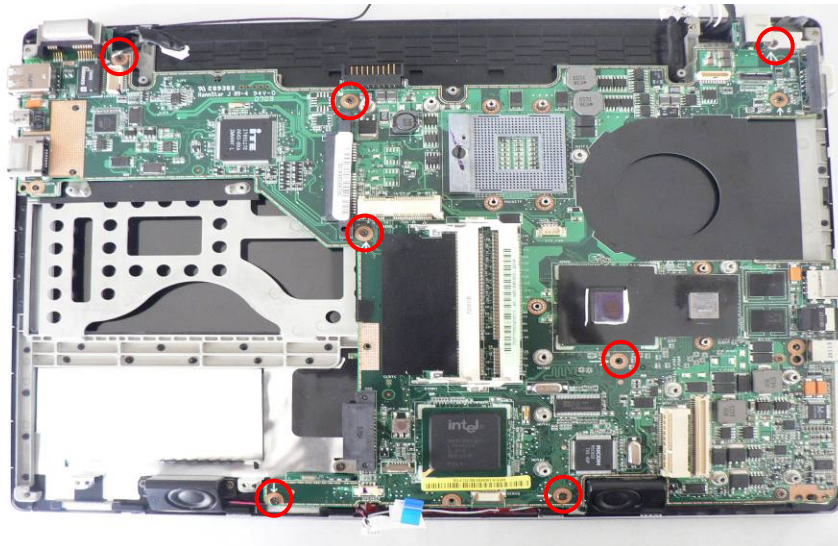
5. Take the LCD module away.



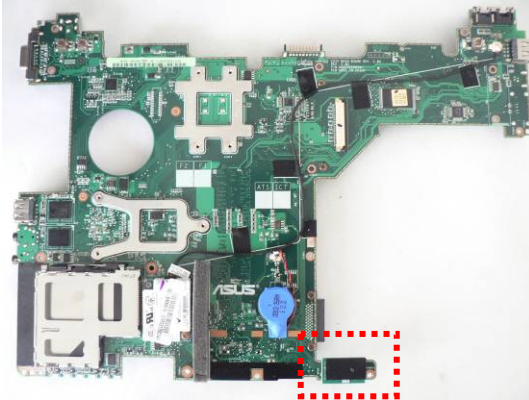
6. Tear 1 piece of tape here, and then disconnect the fingerprint FPC and speaker cable from mother board.



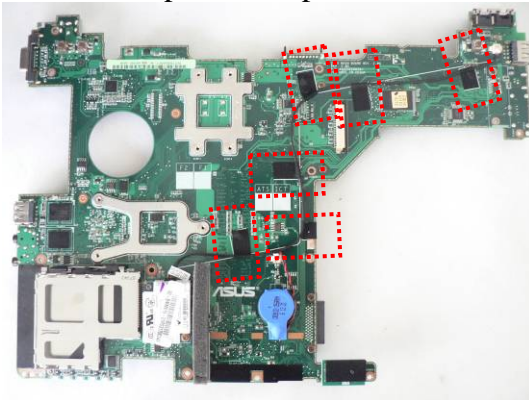
7. Remove 7 screws here on mother board and then remove the mother board.



8. Remove the TPM board.



9. Remove 6 pieces of tape here and then disconnect the modem cable from mother board.



10. Remove 2 screws here and remove the modem module.



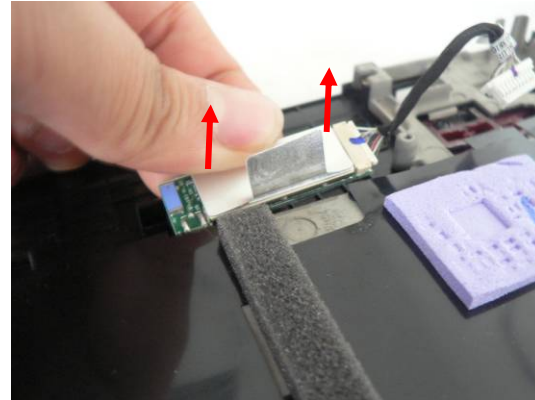
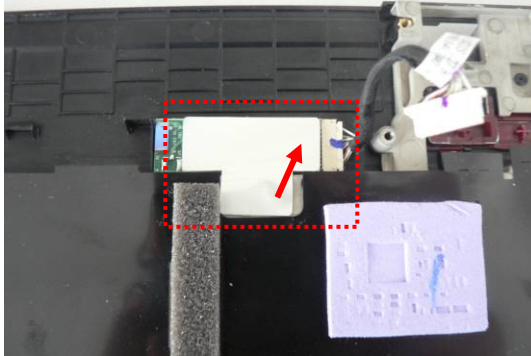


## Top Case Module

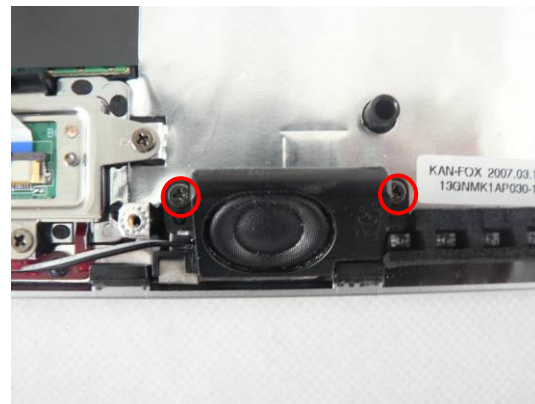
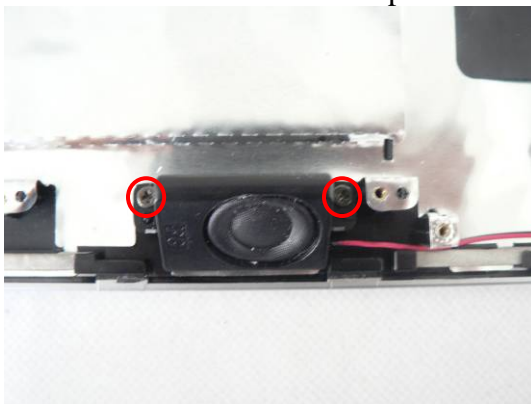
The illustrations below show how to disassemble and remove the top case module of the notebook. The module contains the top case itself.

### Removing Top Case Module

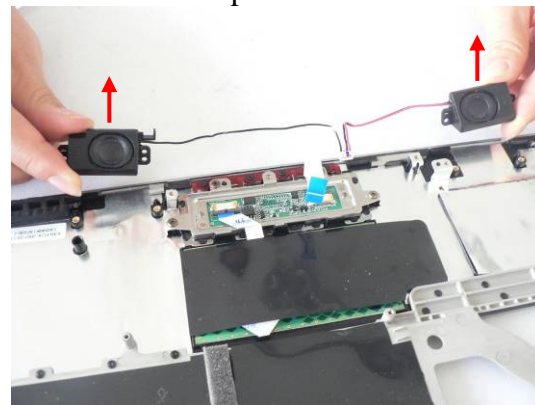
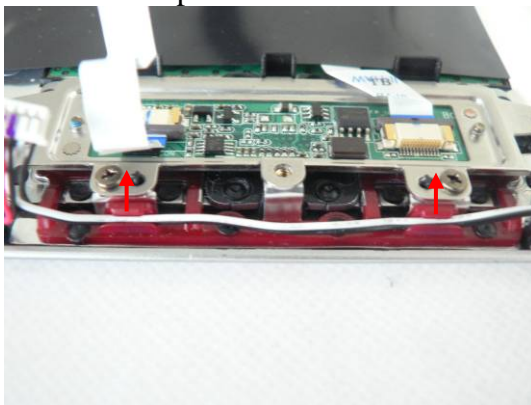
1. Tear 1 piece of tape here and remove the Bluetooth module.



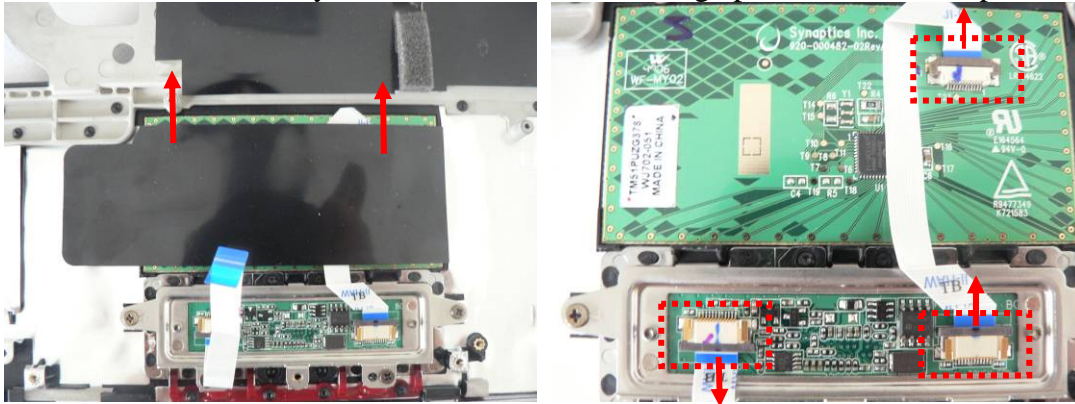
2. Remove 2 screws on each speaker.



3. Take the speaker lines out of the slot and then remove the speaker module.



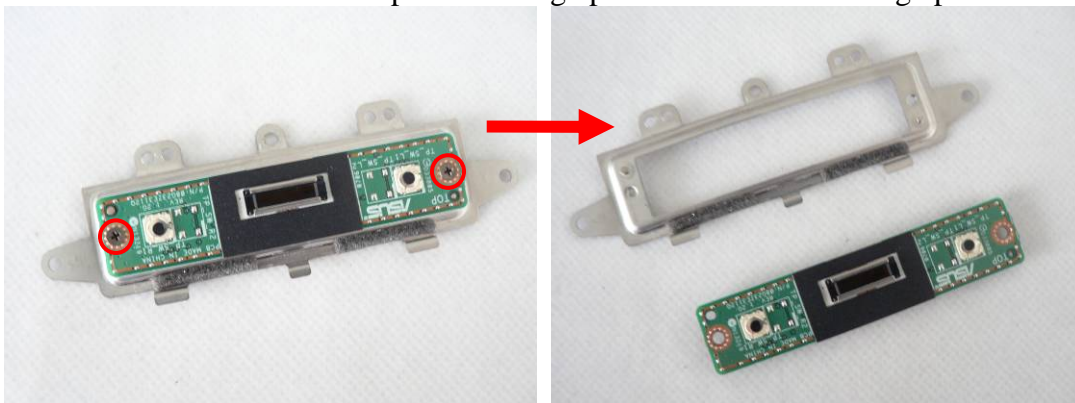
4. Remove this black Mylar here and disconnect the fingerprint FPC and touchpad FPC here.



5. Remove 4 screws on fingerprint bracket and take it away.



6. Remove 2 screws here to separate the fingerprint bracket from the fingerprint board.



## LCD Module

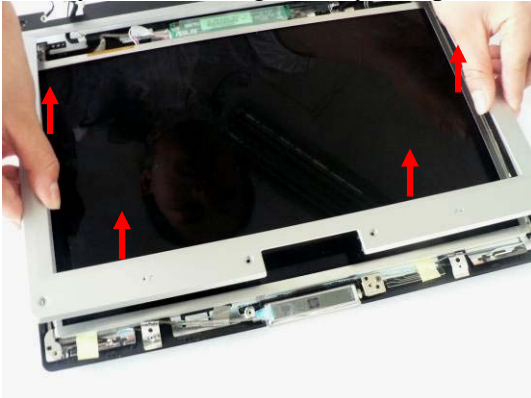
The illustrations below show how to remove and disassemble the LCD module. The module contains LCD panel, Inverter board, LCD bezel, LCD back cover.

### Disassembling LCD Module

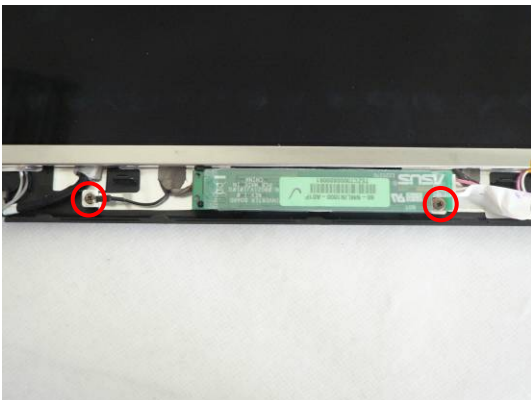
1. Remove 6 rubber pads and 6 screws on LCD front bezel.



2. Pry the inside edges softly to separate LCD front bezel from LCD panel and take it away.

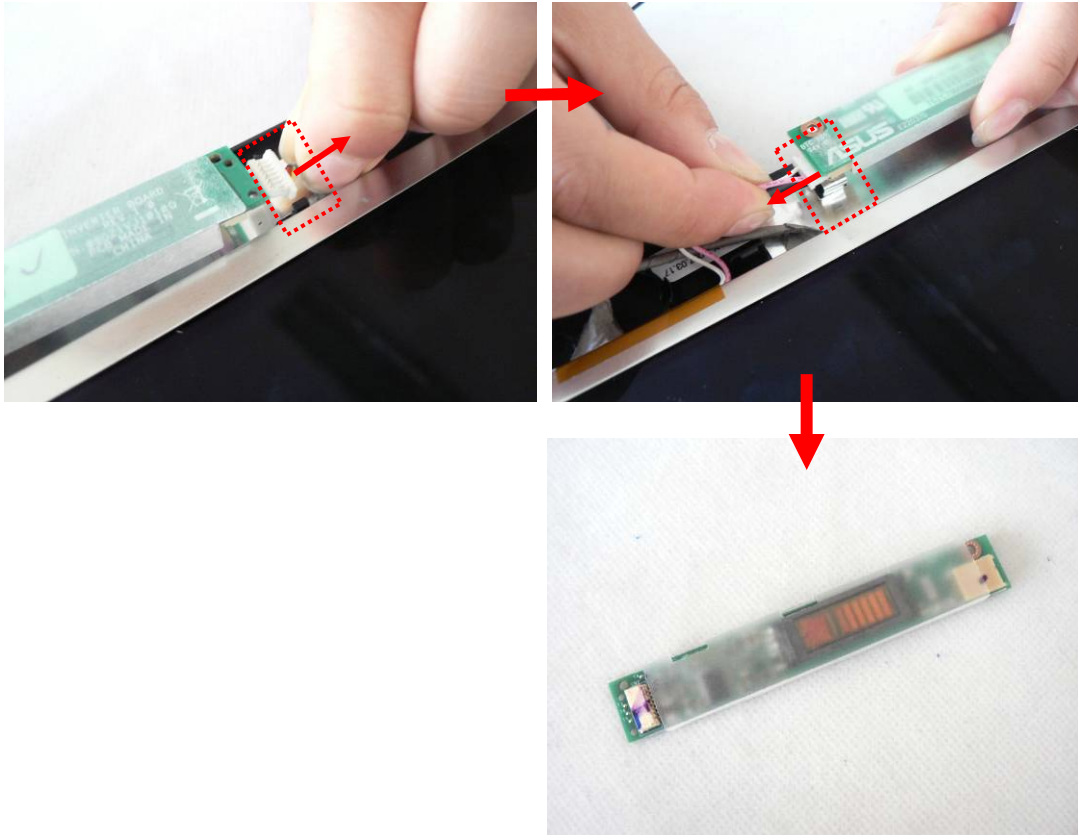


3. Remove 2 screws here.





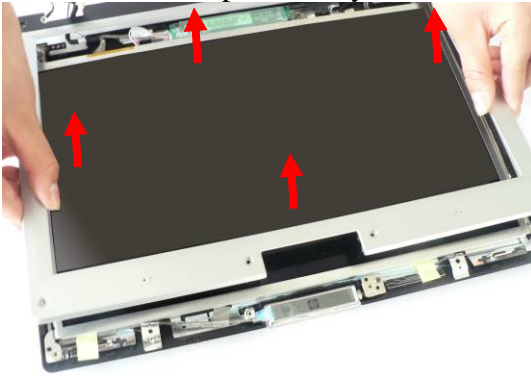
4. Disconnect the LCD cable and inverter cable from inverter board, and then take it away.



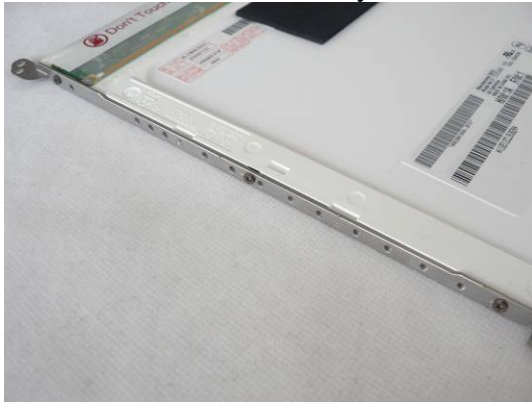
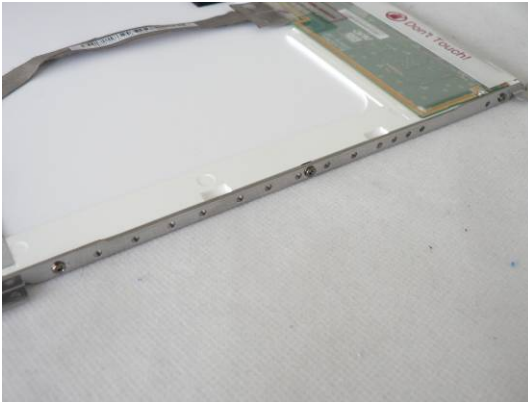
5. Remove 4 screws here.



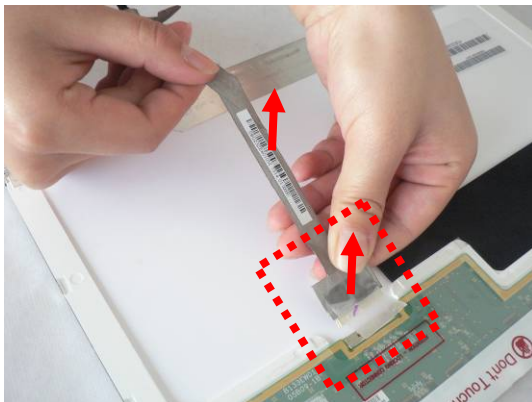
6. Take the LCD panel away.



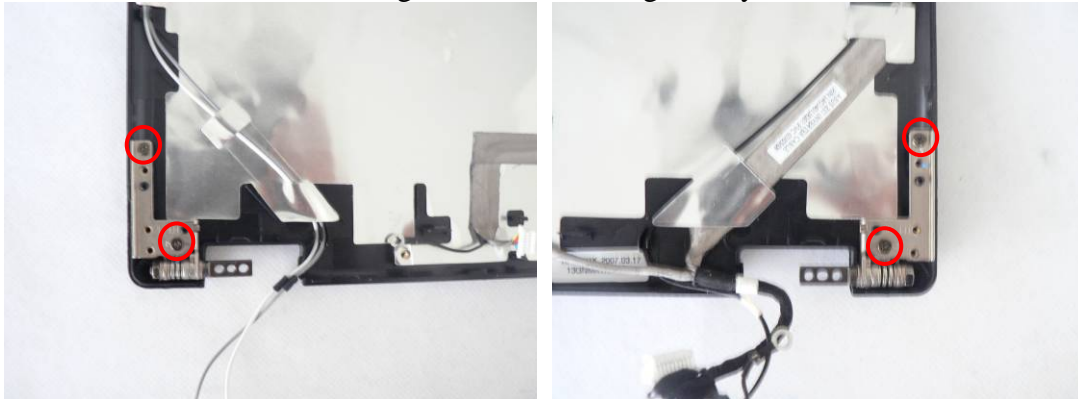
7. Remove 3 screws on each LCD bracket and take both brackets away.



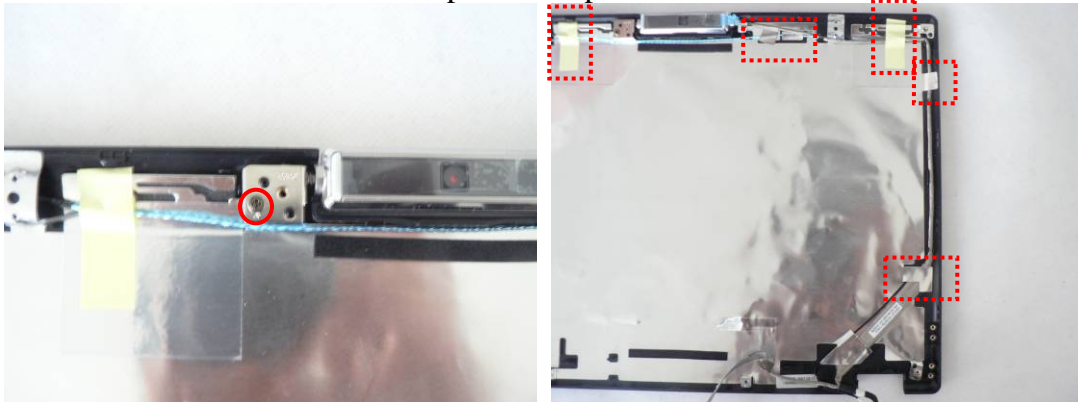
8. Remove the white transparent Mylar here and disconnect Coaxial cable from LCD panel, and then remove the coaxial cable.



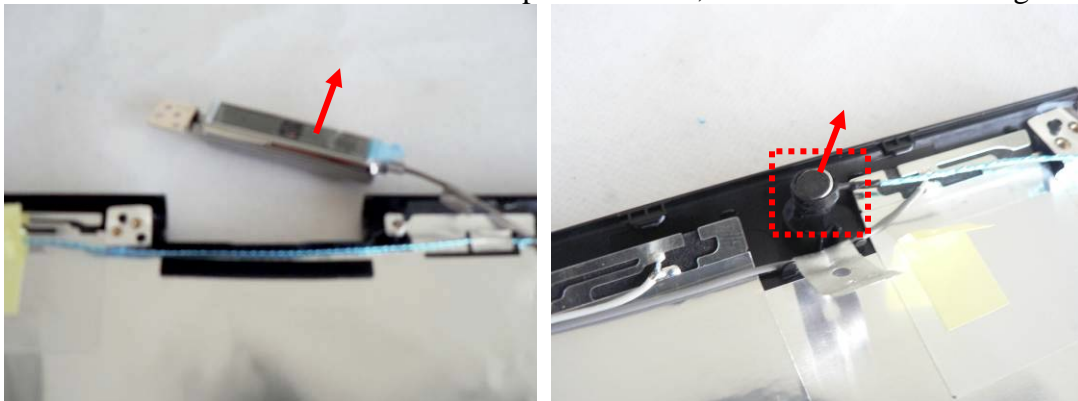
9. Remove 2 screws on each hinge and take both hinges away.



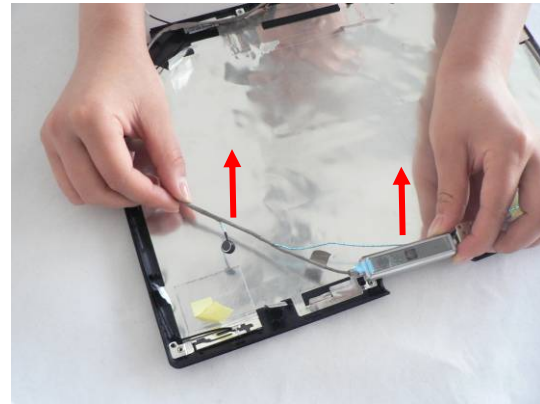
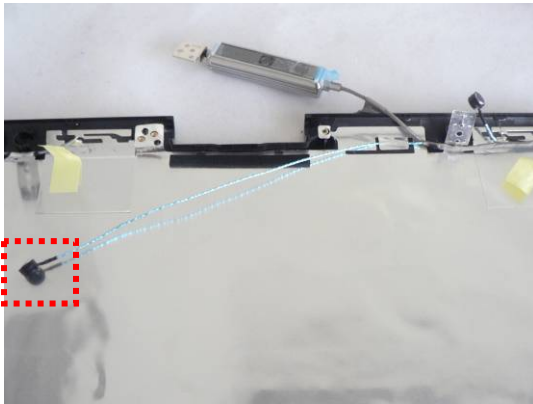
10. Remove 1 screw here and tear 6 pieces of tape.



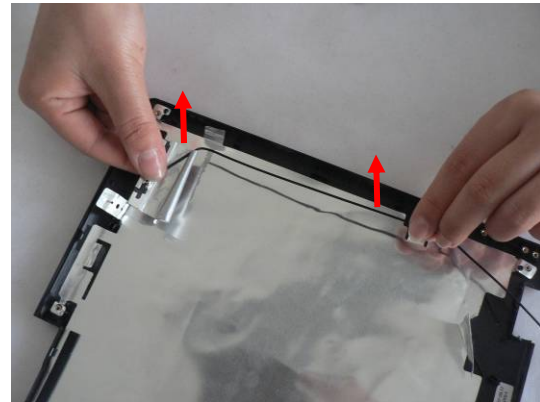
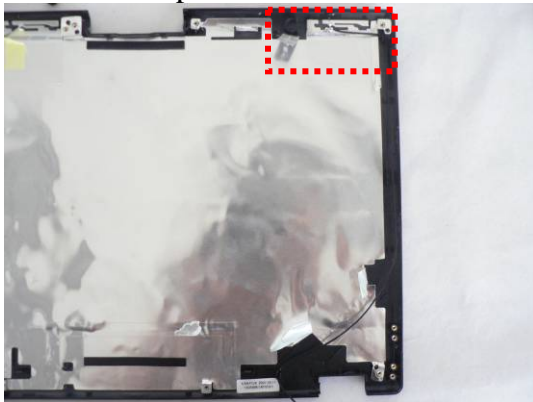
11. Take out the camera module and microphone module, and then remove them together.







12. Tear the tape and remove the black antenna.



13. Tear 9 pieces of tape and remove the white antenna and gray antenna.

