



Assembly Procedure

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, the detailed assembly procedure of individual modules will be provided for your service needs.

The assembly procedure consists of the following replacement steps:

- LVDS Cable
- LCD Panel
- Camera
- LCD Bezel
- Bottom Case
- Motherboard
- IO Board
- IO Board FFC
- Power Board
- Power Board FFC
- Touchpad FFC
- Top Case Module
- Keyboard
- CPU
- Thermal Module
- WLAN Card
- HDD Module
- Memory
- ODD Module
- Bottom Door
- Battery

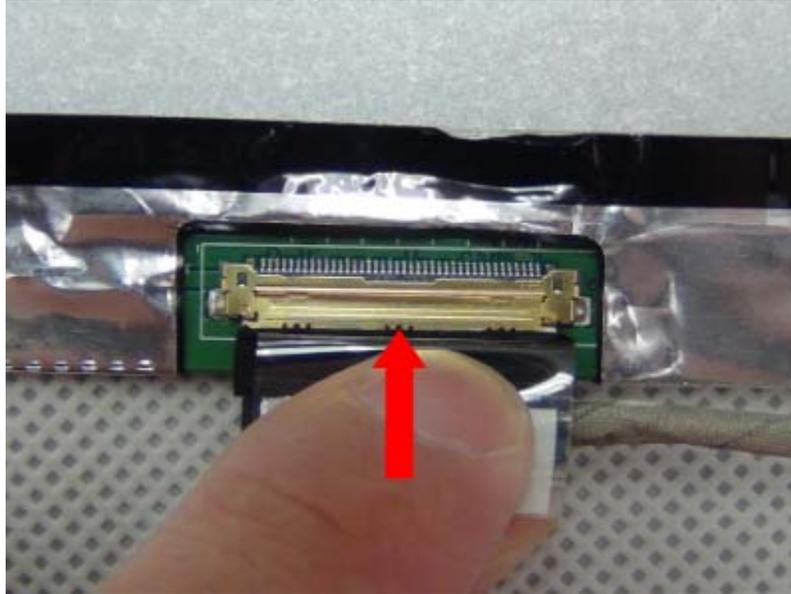
LVDS CABLE

LVDS Cable

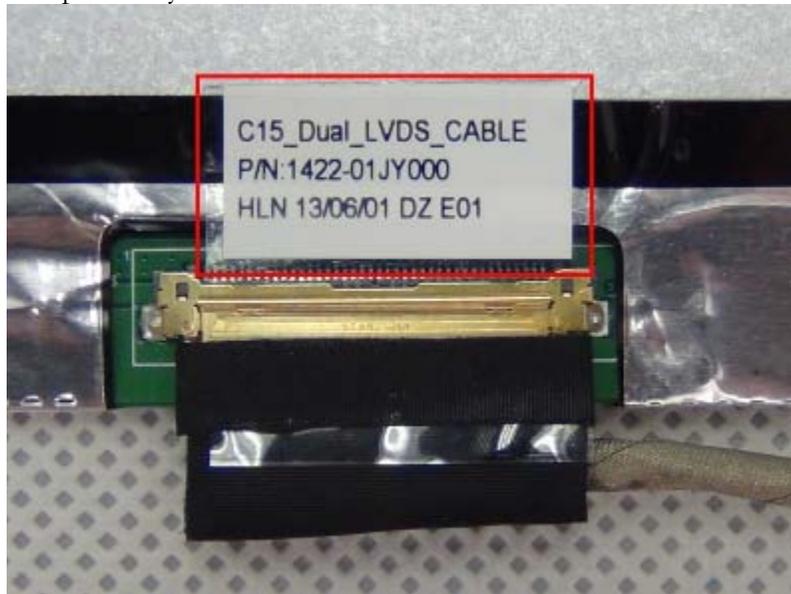
The illustrations below show how to replace the LVDS cable.

Replace LVDS Cable

1. Connect the LVDS cable to the LCD panel.



2. Adhere the transparent mylar to fix the connection.



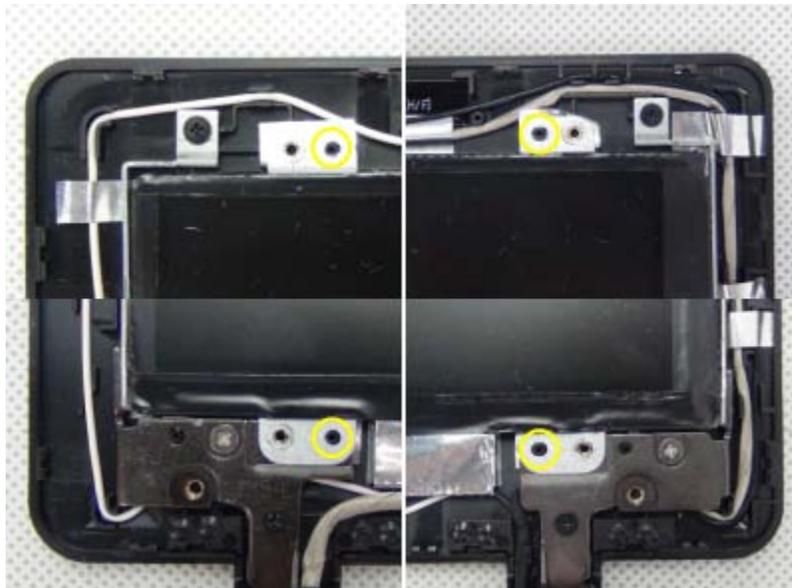
LCD PANEL

LCD Panel

The illustrations below show how to replace the LCD panel.

Replace LCD Panel

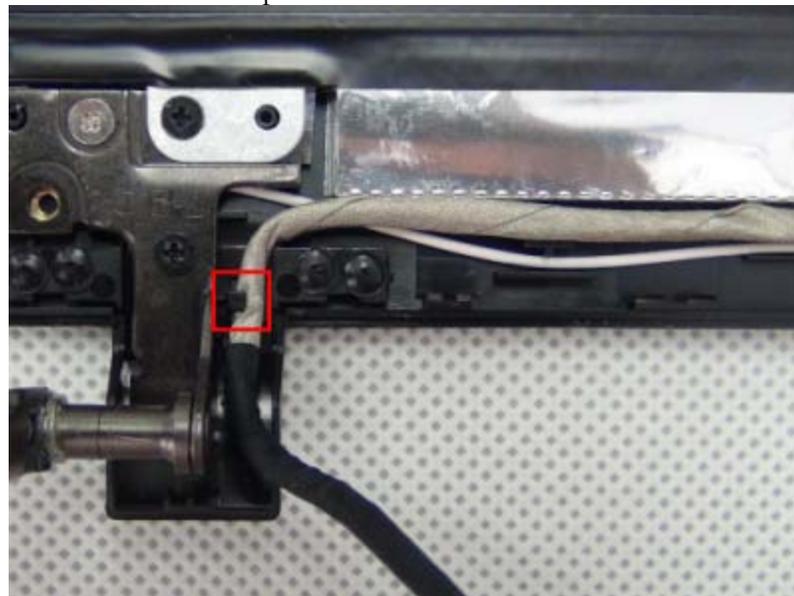
1. Turn over the LCD panel and position it on the LCD cover.



2. Consolidate the LCD panel with 4 screws(M2*3).



3. Route the LVDS cable under the position hook of LCD cover.



Camera

The illustrations below show how to replace the camera.

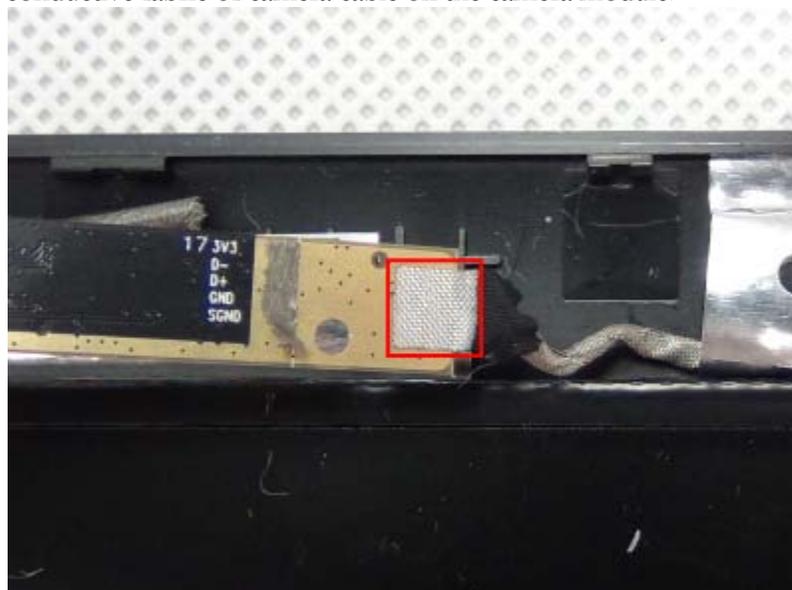
C A M E R A

Replace Camera

1. Connect the camera module to the camera cable.



2. Adhere the conductive fabric of camera cable on the camera module.



3. Turn over the camera module, position it on the LCD cover, press the shielding cases to fix the camera.



LCD Bezel

L C D B E Z E L

The illustrations below show how to replace the LCD bezel.

Replace LCD Bezel

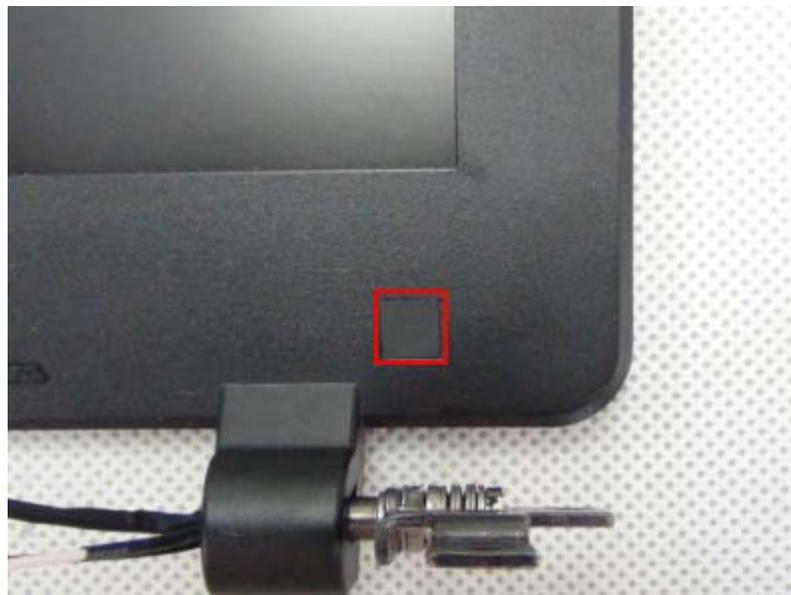
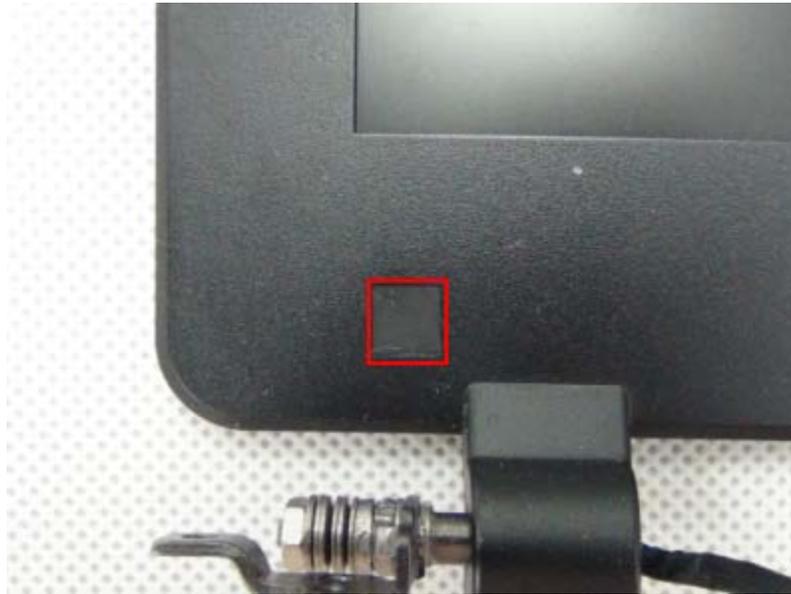
1. Position the LCD bezel on the LCD cover, press all edges of LCD bezel to lock all latches.



2. Consolidate the LCD bezel with 2 screws(M2.5*4).



3. Cover 2 pieces of cosmetic mylar on the screws.



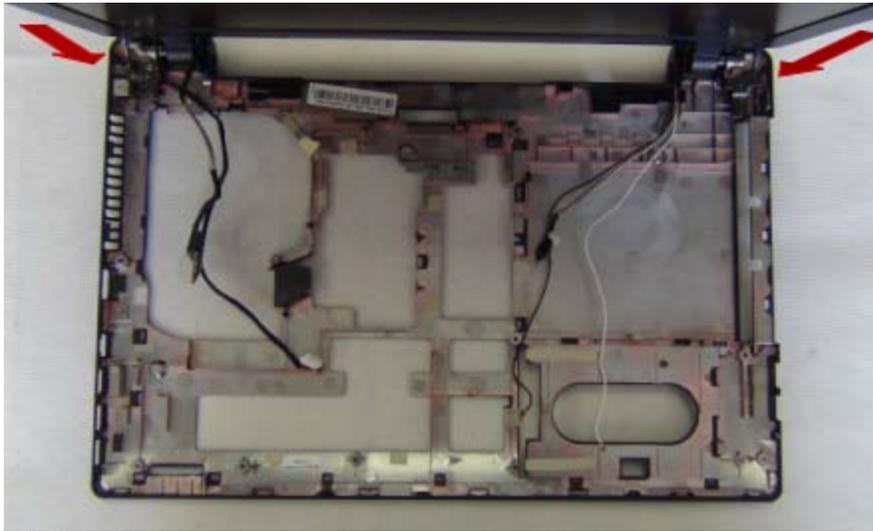
Bottom Case

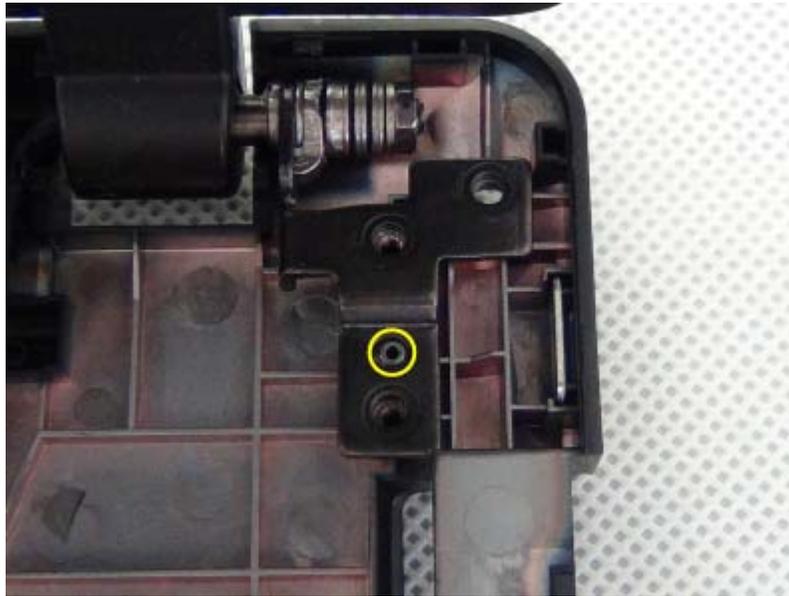
The illustrations below show how to replace the bottom case.

BOTTOM
CASE

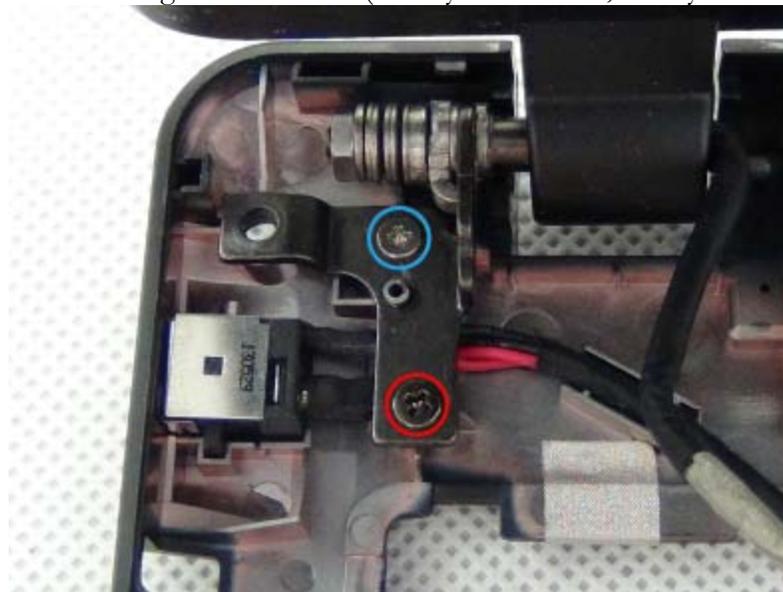
Replace Bottom Case

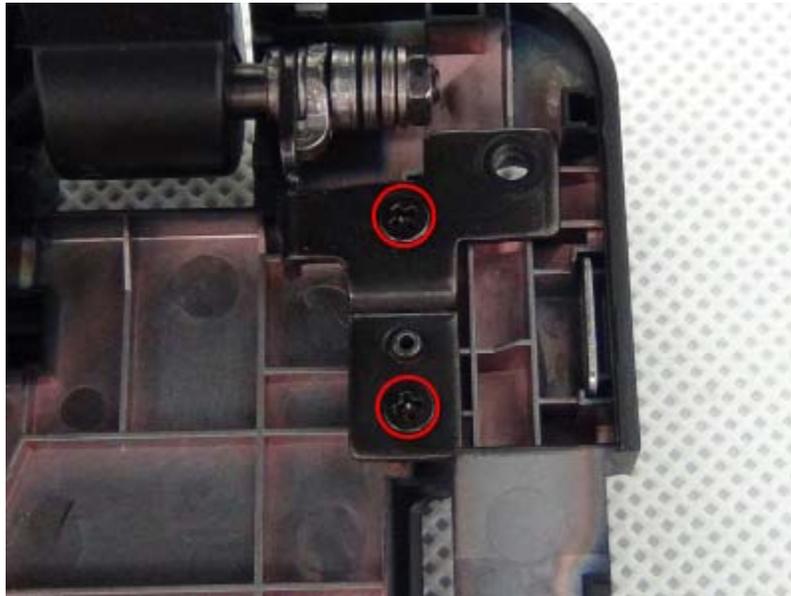
1. Open the LCD hinges to an approximate 75-degree angle, position the LCD module on the bottom case.





2. Consolidate the LCD hinges with 4 screws(Blue cycled: M2.5*4, Red cycled: M2.5*6).

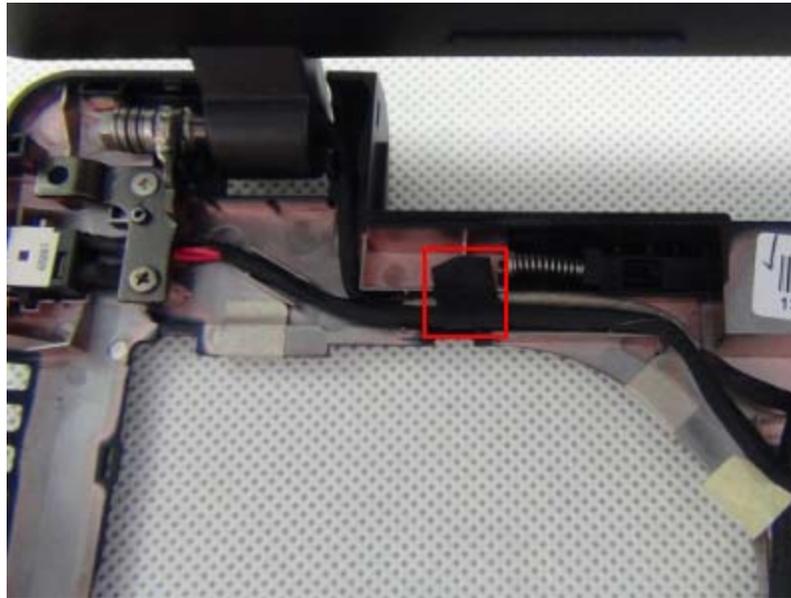




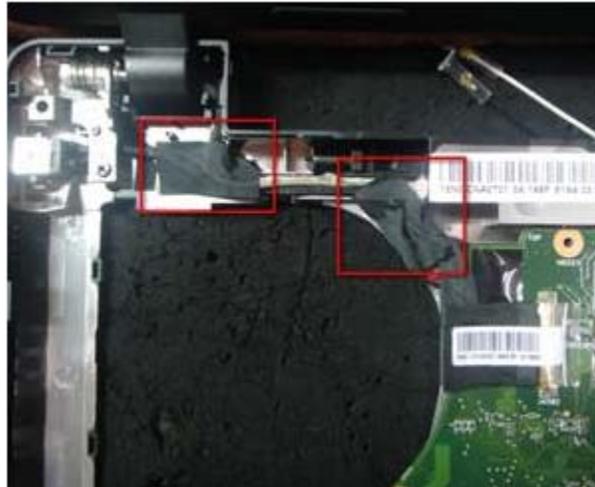
3. Route the LVDS cable in the position groove of bottom case.



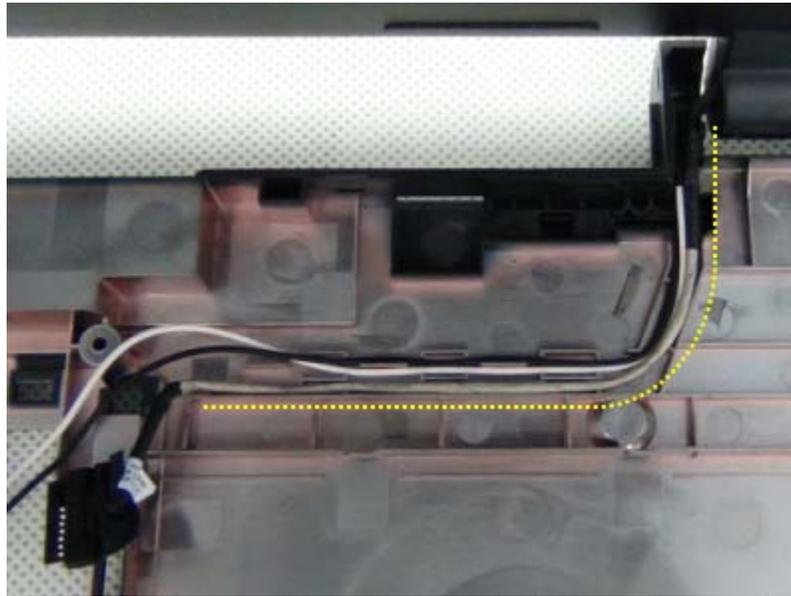
4. Route the DC in cable in the position groove, adhere the acetate fabric on the bottom case.



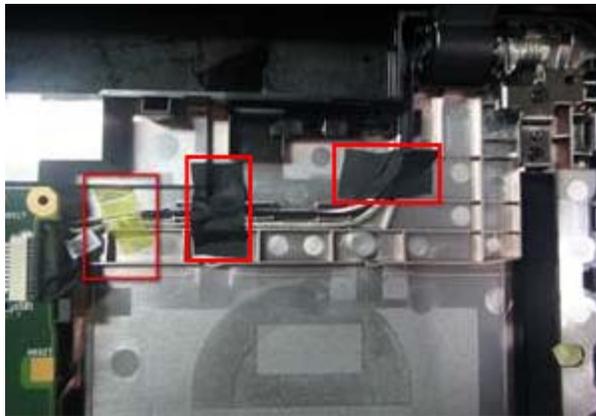
5. Adhere 2 pieces of acetate fabric to fix the LVDS cable and DC in cable.



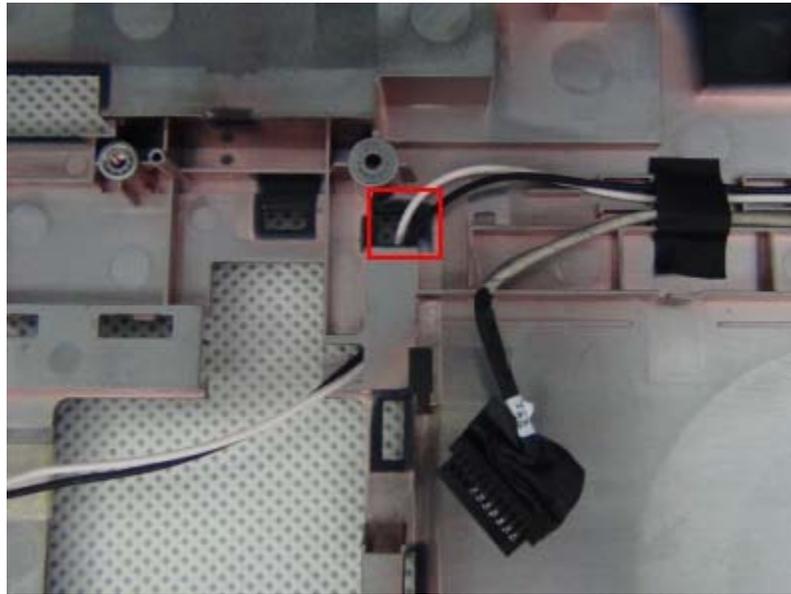
6. Route the WLAN antenna cables and camera cable in the position grooves of bottom case.



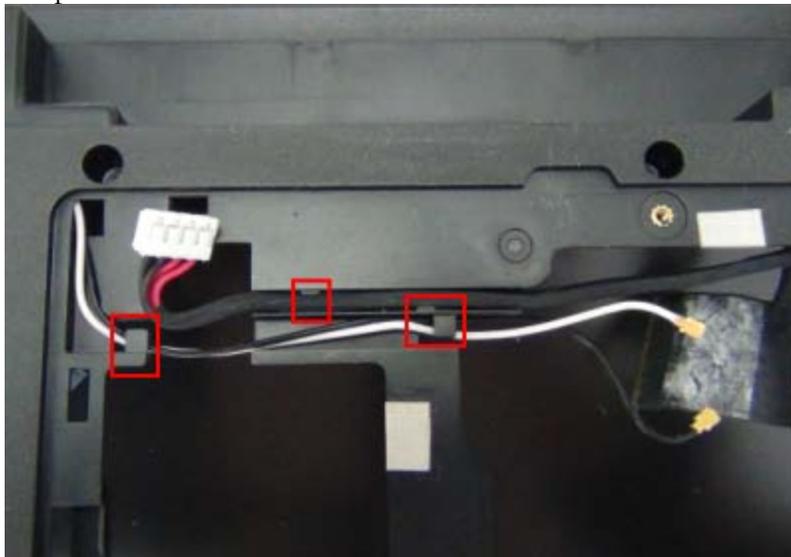
7. Adhere 2 pieces of acetate fabric and 1 piece of adhesive tape on the bottom case to fix the cables.



8. Pass the WLAN antenna cables through the position hole of bottom case.



9. Close the LCD panel and turn over the notebook. Route the WLAN antenna cables and DC in cable under the position hooks of bottom case.



Motherboard

The illustrations below show how to replace the motherboard.

M O T H E R
B O A R D

Replace Motherboard

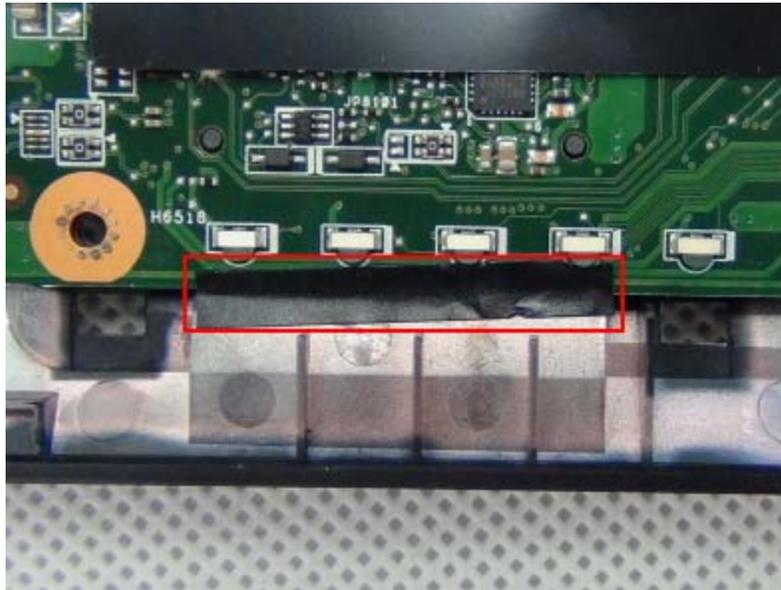
1. Position the motherboard on the bottom case.



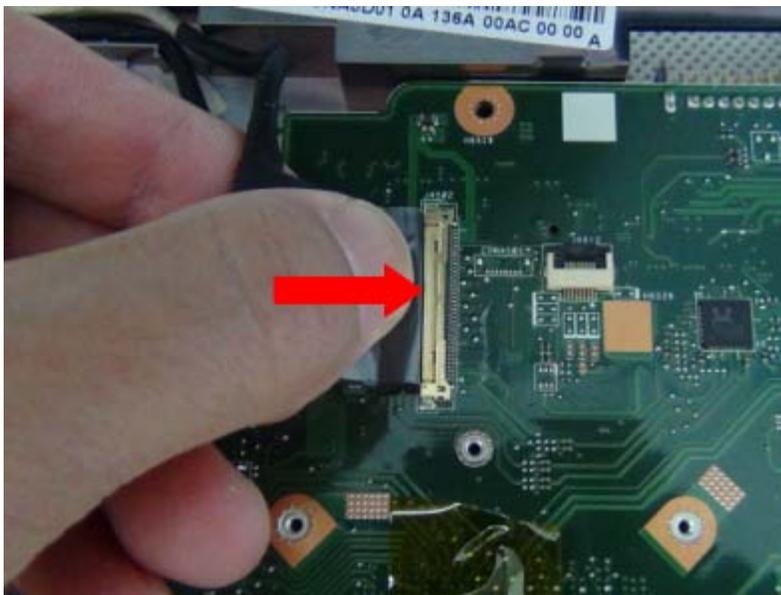
2. Consolidate the motherboard with 2 screws(M2*5).



3. Adhere the LED mylar on the motherboard.



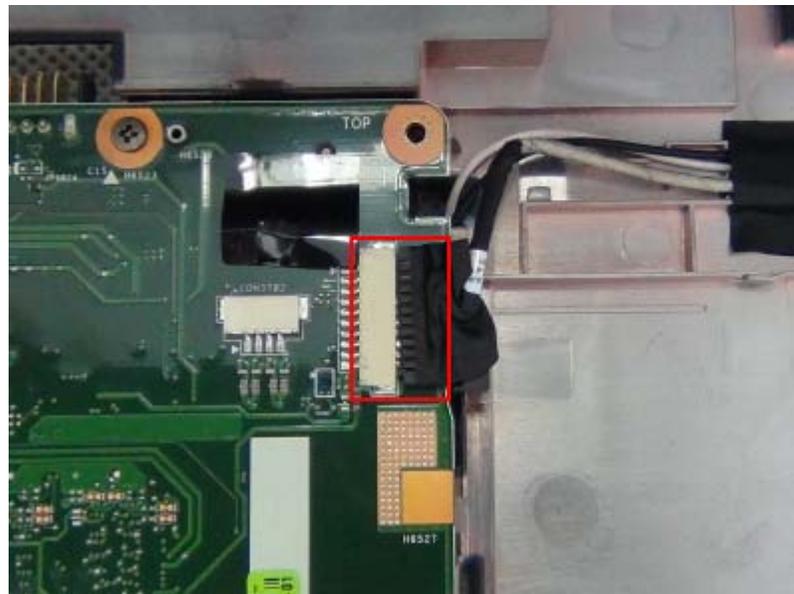
4. Connect the LVDS cable to the motherboard.



5. Adhere the acetate fabric of LVDS cable on the motherboard to fix the connection.



6. Connect the camera cable to the motherboard.



7. Close the LCD panel and turn over the notebook. Connect the DC in cable to the motherboard.



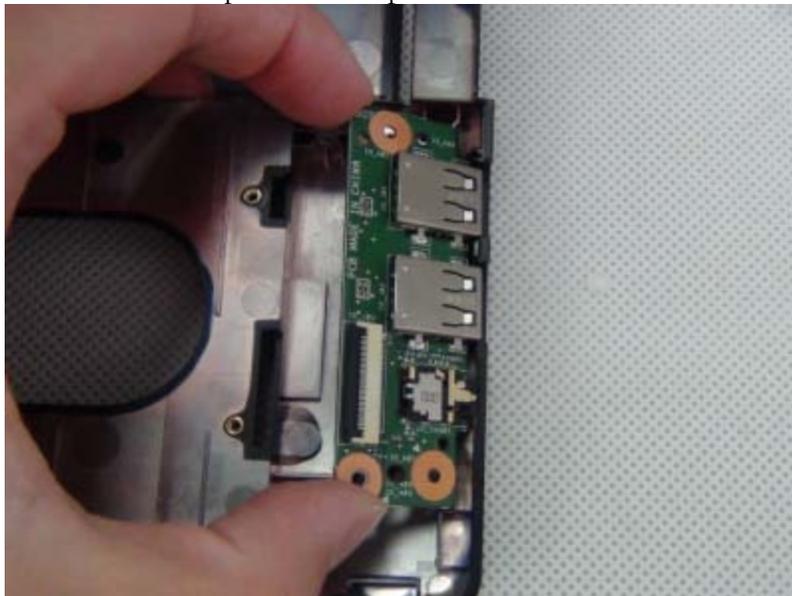
IO Board

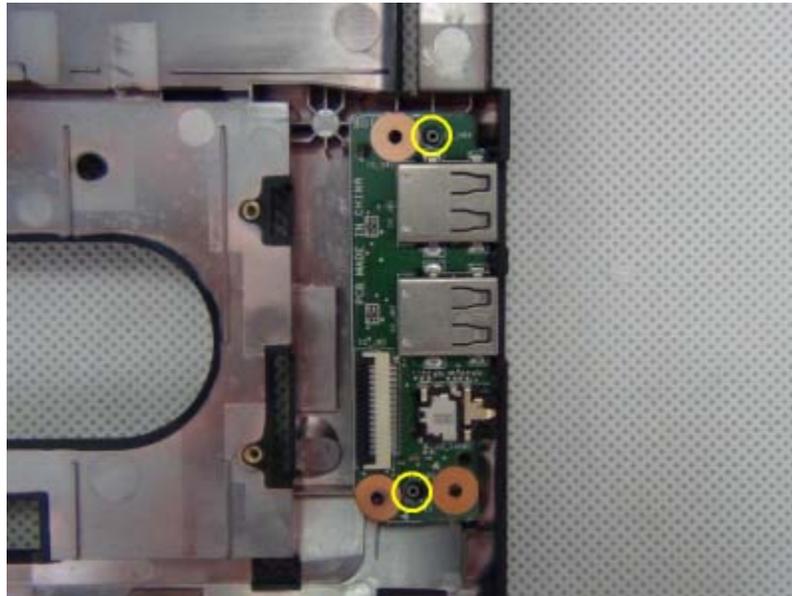
I O B O A R D

The illustrations below show how to replace the IO board.

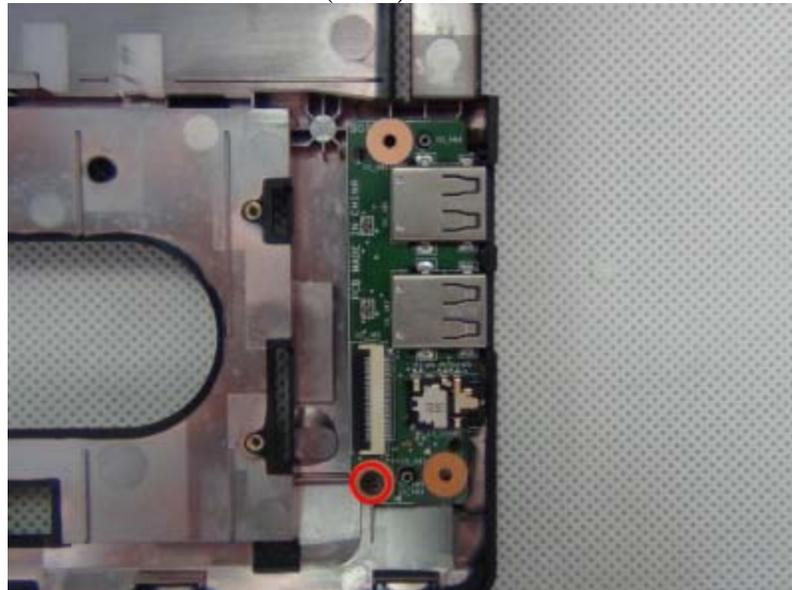
Replace IO Board

1. Turn over the notebook and open the LCD panel. Position the IO board on the bottom case.





2. Consolidate the IO board with 1 screw(M2*5).



IO Board FFC

The illustrations below show how to replace the IO board FFC.

IO BOARD
FFC

Replace IO Board FFC

Connect the motherboard and IO board with the IO board FFC.



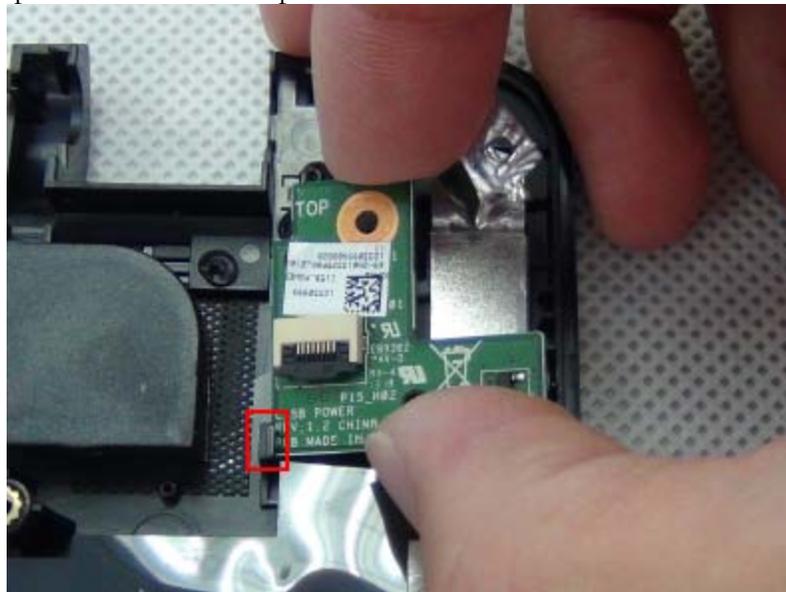
Power Board

The illustrations below show how to replace the power board.

POWER
BOARD

Replace Power Board

1. Position the power board on the top case.





2. Adhere the Aluminium foil to bridge joint the power board and top case bracket.



3. Consolidate the power board with 1 screw(M2*3).



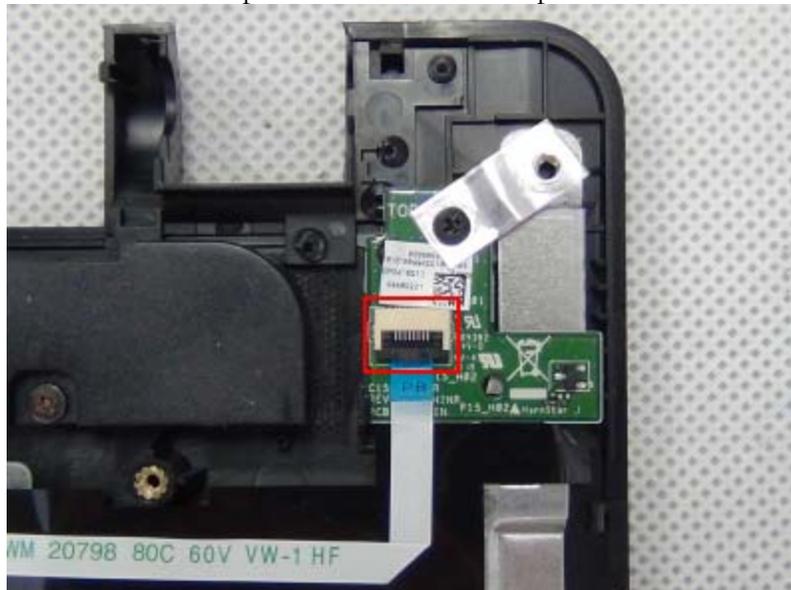
Power Board FFC

The illustrations below show how to replace the power board FFC.

POWER
BOARD
FFC

Replace Power Board FFC

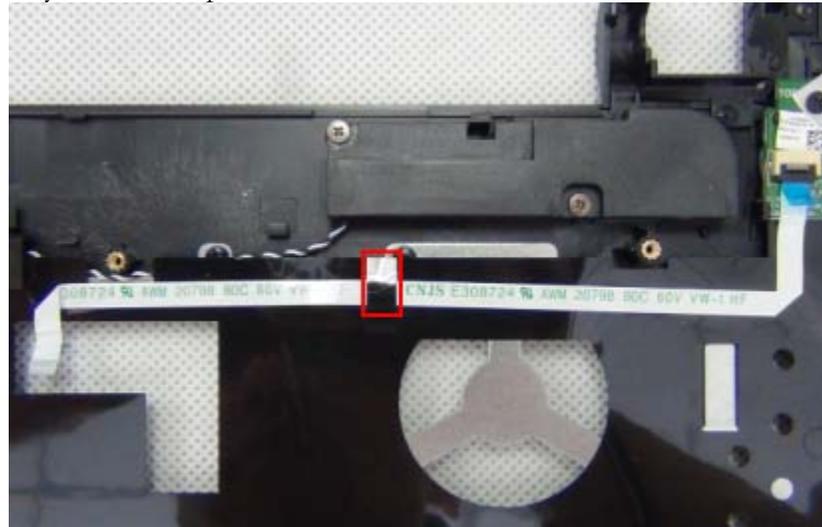
1. Connect the PB marked side of power board FFC to the power board.



2. Pull up the mylar from the top case. Follow the FFC fold line trend to adhere it on the top case.



3. Adhere the mylar to fix the power board FFC.



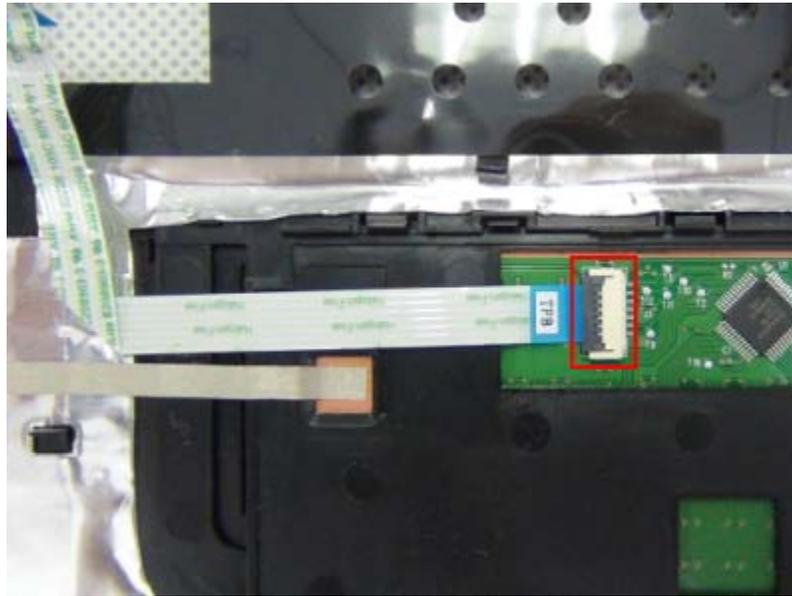
Touchpad FFC

The illustrations below show how to replace the touchpad FFC.

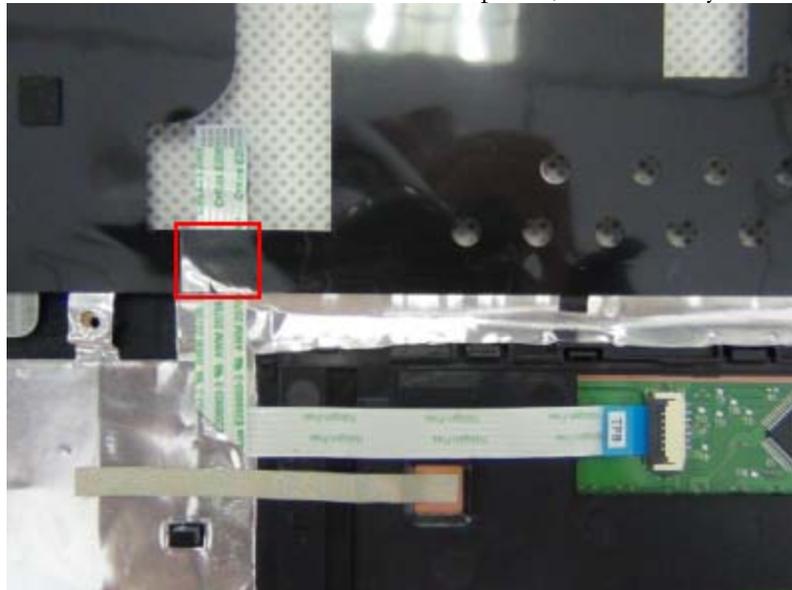
TOUCHPAD
FFC

Replace Touchpad FFC

1. Connect the TPB marked side of touchpad FFC to the touchpad.



2. Follow the FFC fold line trend to adhere it on the top case, cover the mylar to fix the FFC.



Top Case Module

The illustrations below show how to replace the top case module.

TOP CASE
MODULE

Replace Top Case Module

1. Turn over the top case module.



2. Position the top case module on the bottom case, press the top case edges to lock all latches.



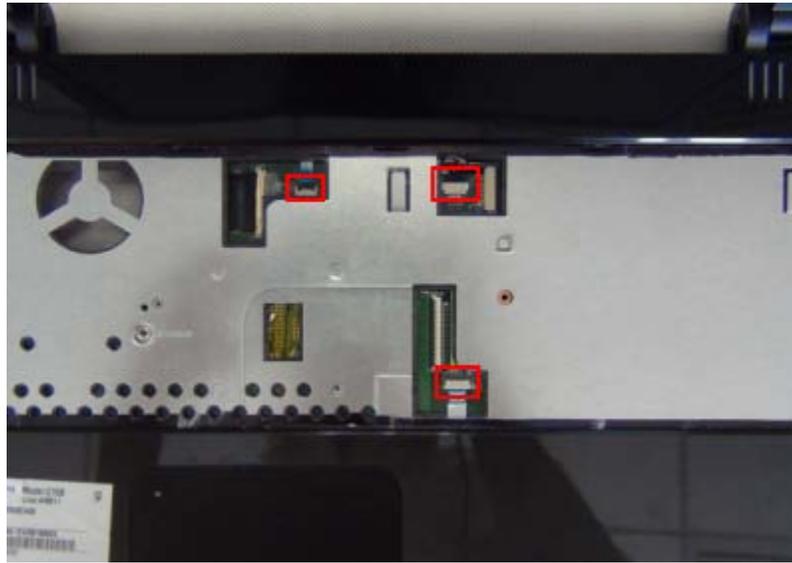
3. Consolidate the top case with 1 screw(M2*5).



4. Close the LCD panel and turn over the notebook. Consolidate the bottom case with 12 screws(M2*5).



5. Turn over the notebook and open the LCD panel. Connect the power board FFC, touchpad FFC and speaker cable to the motherboard.



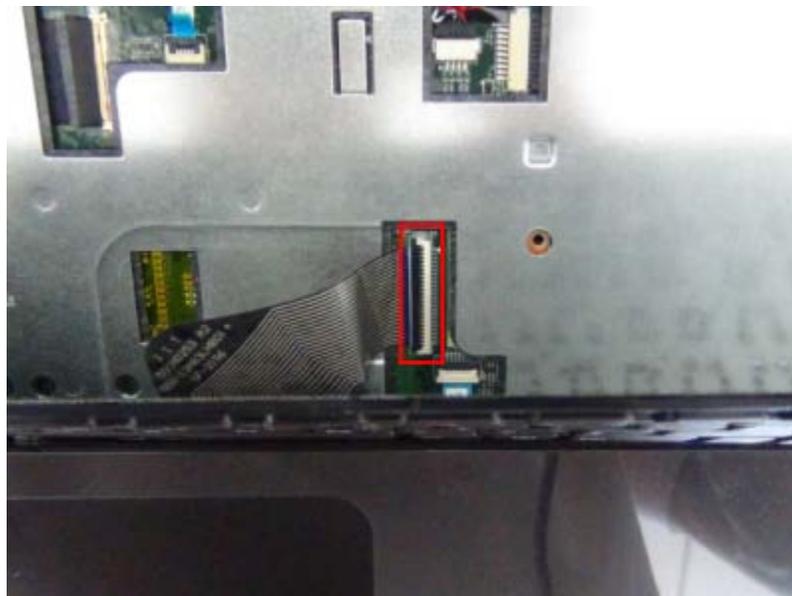
Keyboard

The illustrations below show how to replace the keyboard.

KEYBOARD

Replace Keyboard

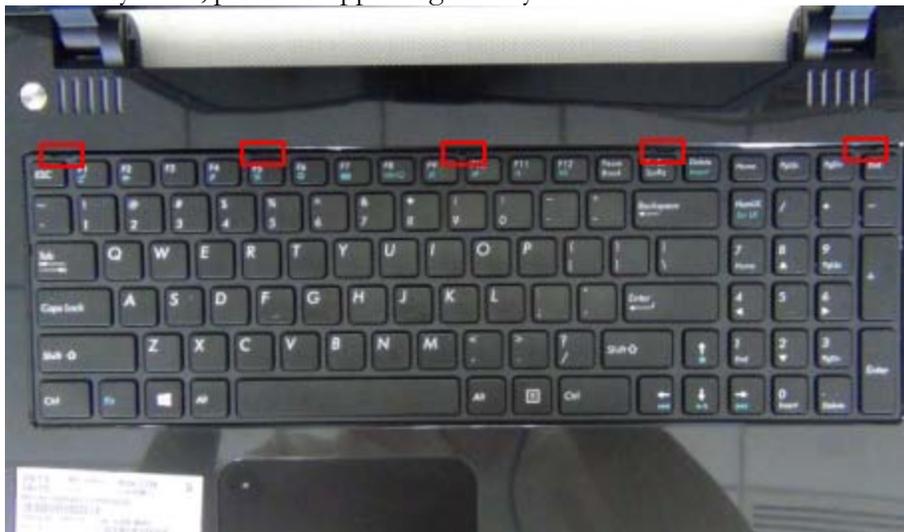
1. Lay the lower edge of keyboard on the top case, connect the keyboard cable to the motherboard.



2. Insert the metal feet of keyboard to the top case.



3. Lay down the keyboard, press the upper edge of keyboard to lock all latches.



4. Close the LCD panel and turn over the notebook. Consolidate the keyboard nut with 1 screw(M2*5).



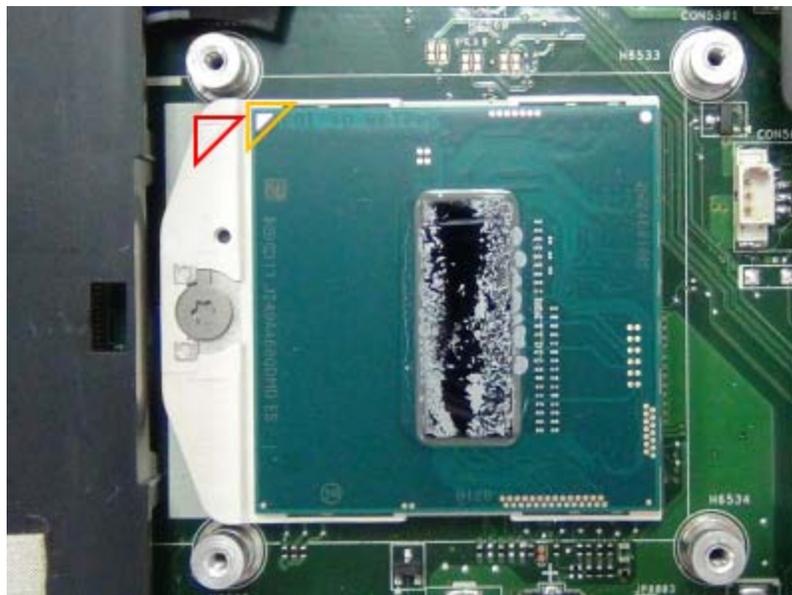
CPU

C P U

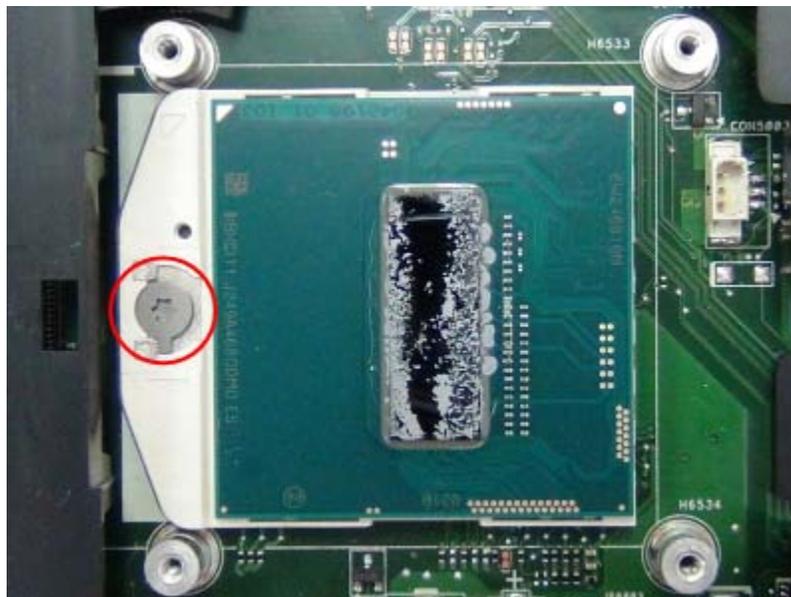
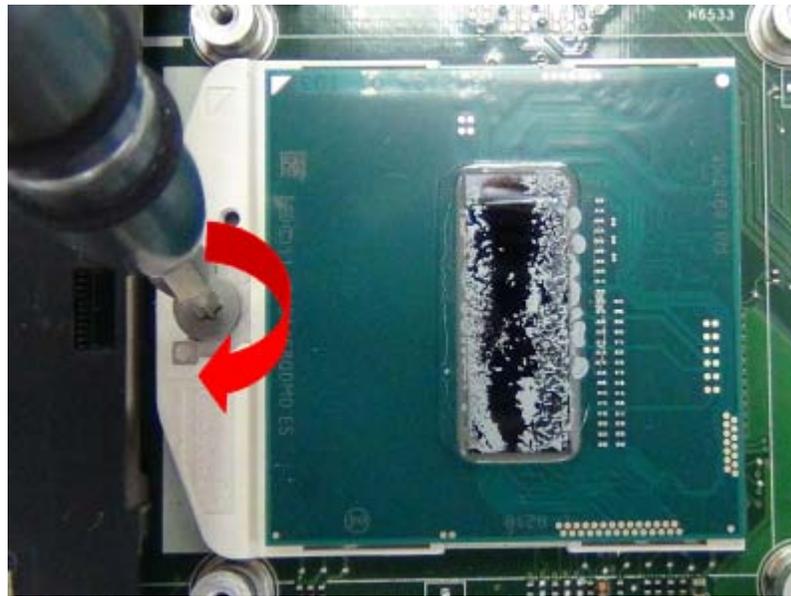
The illustrations below show how to replace the CPU.

Replace CPU

1. Position the CPU on the PGA socket of motherboard.



2. Use a Torx screwdriver to rotate the lock screw of PGA socket clockwise on 180 degrees to fix the CPU.



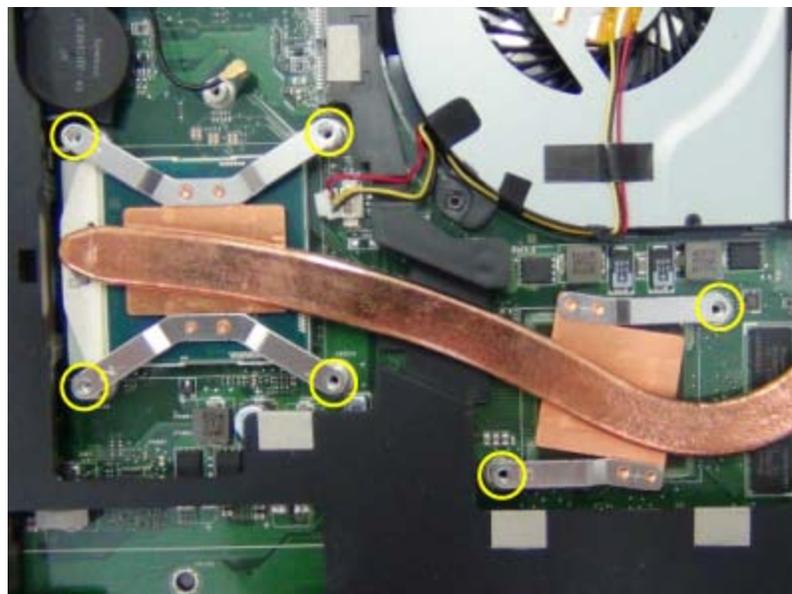
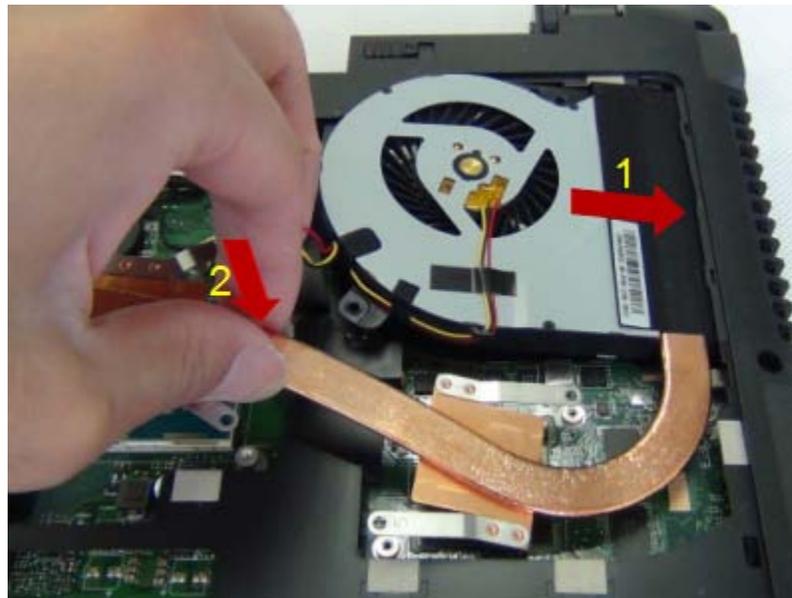
Thermal Module

The illustrations below show how to replace the thermal module.

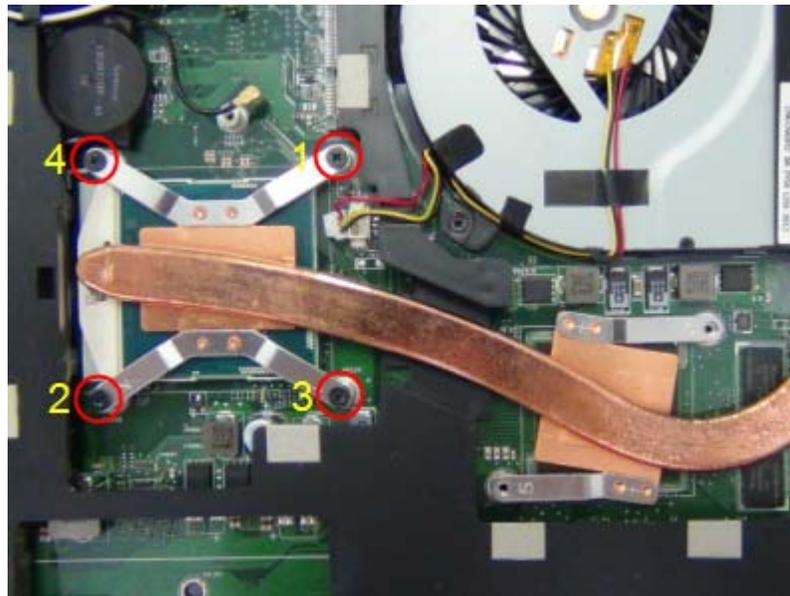
THERMAL
MODULE

Replace Thermal Module

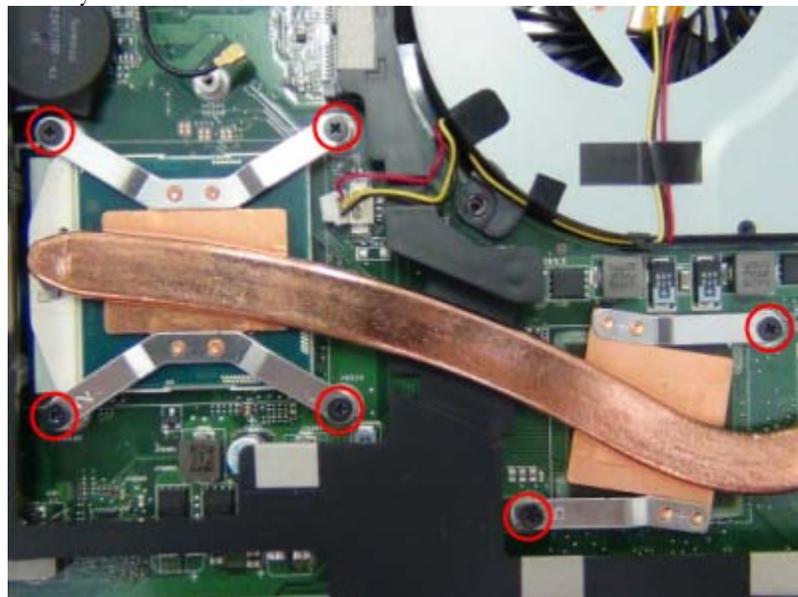
1. Position the thermal fins under the ventilate slots of bottom case, and lay down the thermal module to position the thermal blocks.



2. Follow numeric ascending order shown in below figure to turn 2 groups of diagonal screws(M2*4) several rounds on the CPU block springs.



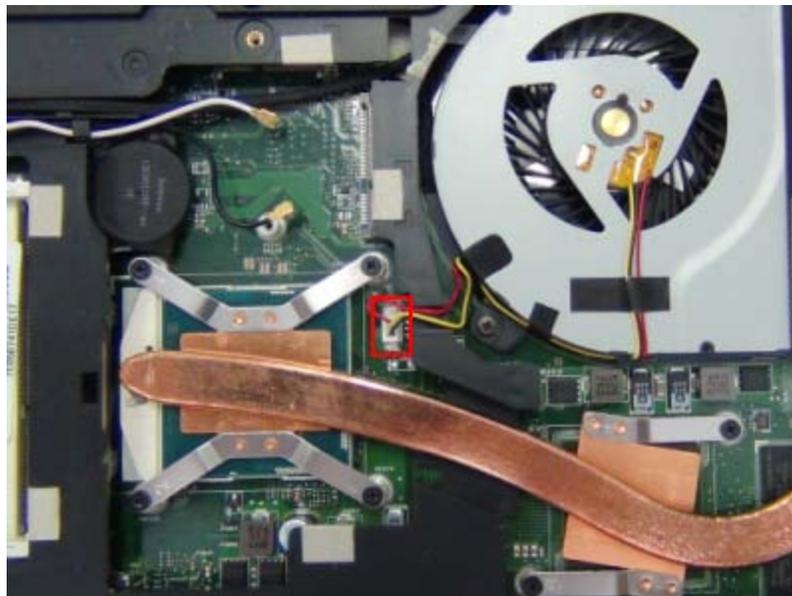
3. Turn 2 diagonal screws(M2*4) several rounds on the GPU block springs, turn these 6 screws alternately and slowly to fix the thermal module.



4. Consolidate the fan with 2 screws(M2*4).



5. Connect the fan cable to the motherboard.



WLAN Card

The illustrations below show how to replace the WLAN card.

WLAN
CARD

Replace WLAN Card

1. Insert the WLAN card to the mini-PCIE socket of motherboard.



2. Press down the card and consolidate it with 1 screw(M2*3).



3. Connect the antenna cables to the WLAN card.



HDD Module

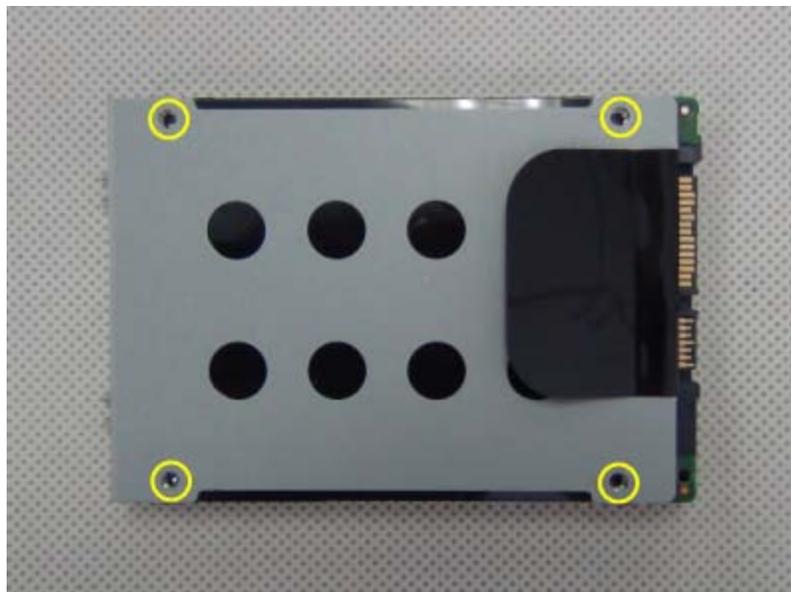
The illustrations below show how to replace the HDD module.

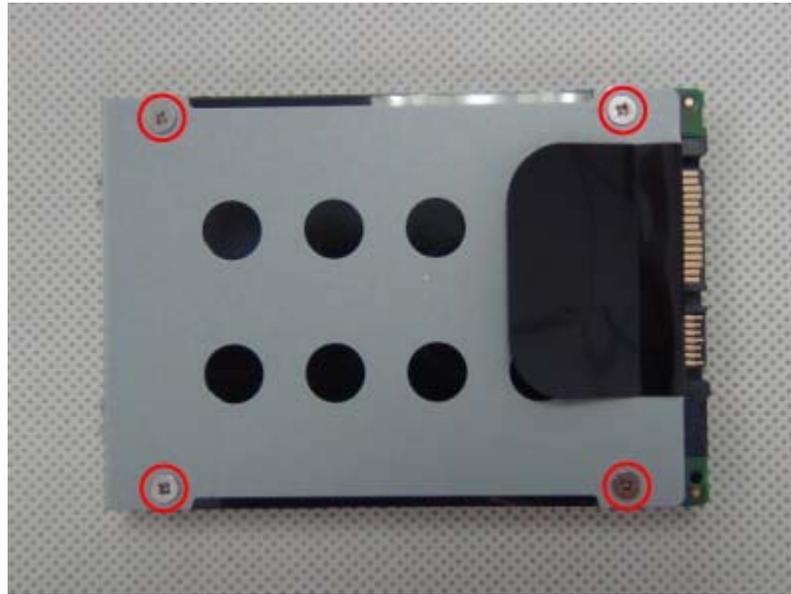
H D D

M O D U L E

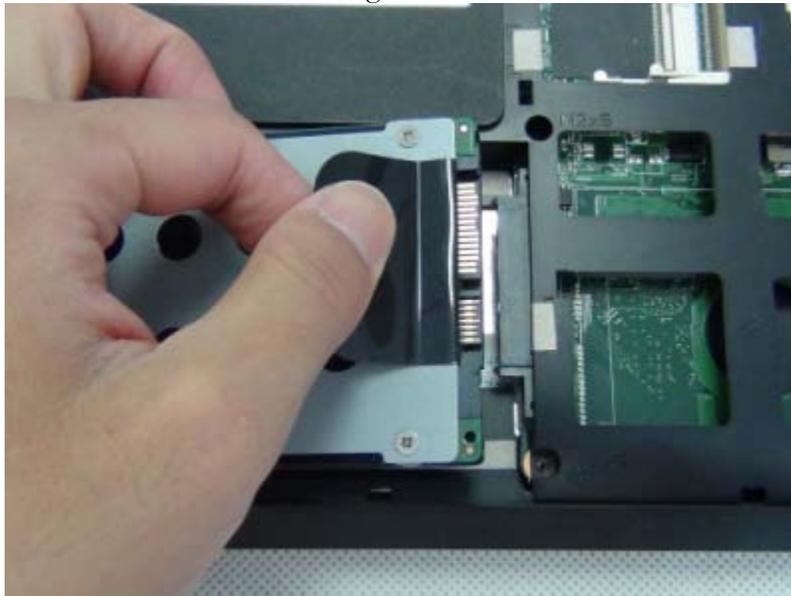
Replace HDD Module

1. Combine the HDD bracket with the drive and consolidate the bracket with 4 screws(M3*3).

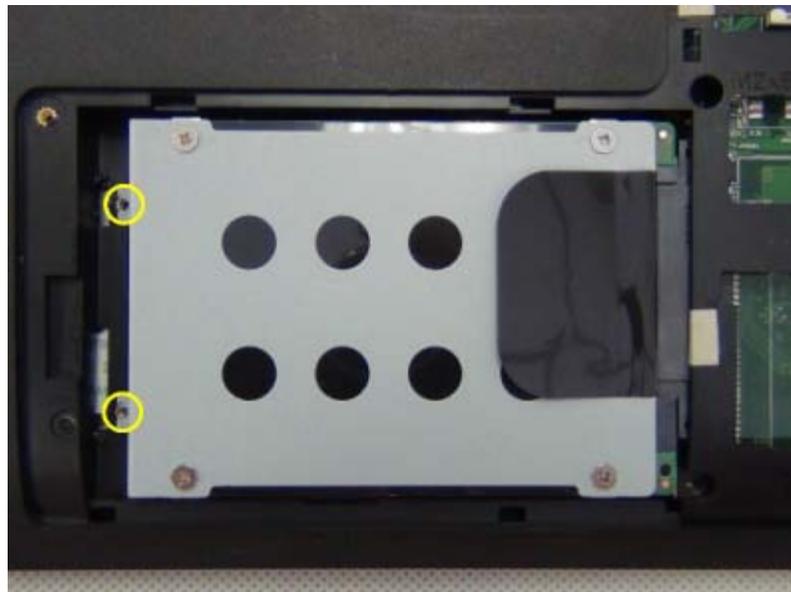
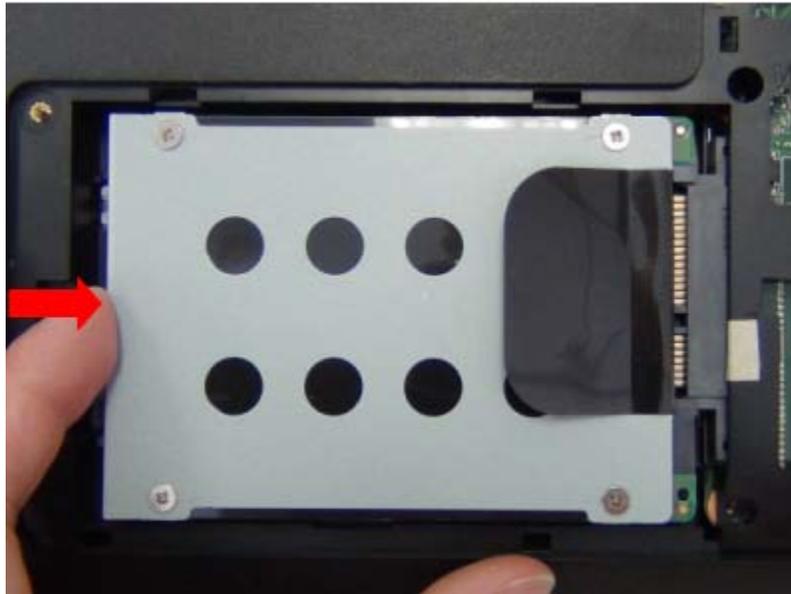




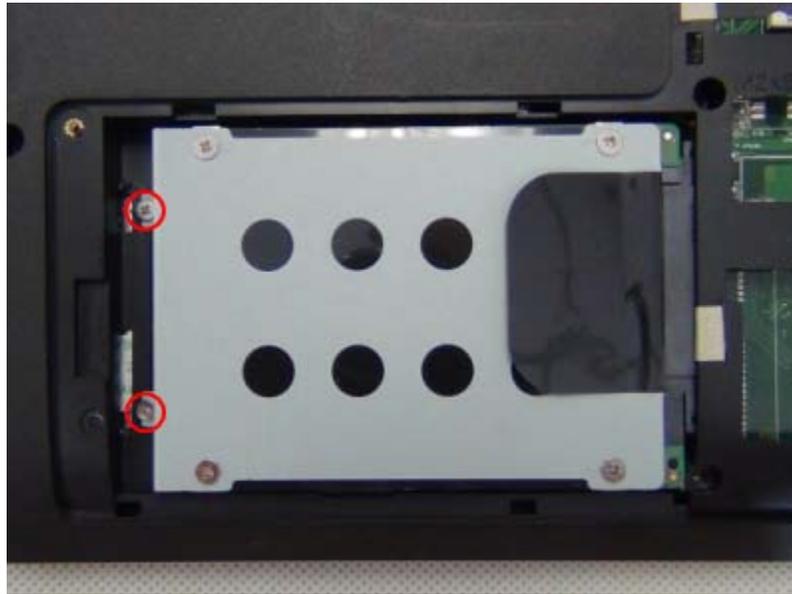
2. Position the HDD module into the housing of bottom case.



3. Push the HDD module to connect the drive to the motherboard.



4. Consolidate the HDD module with 2 screws(M2*2.5).



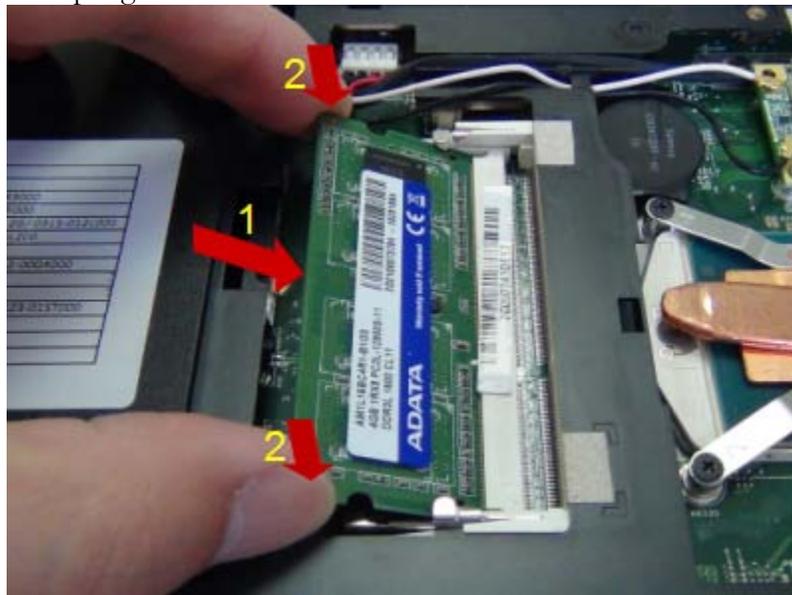
Memory

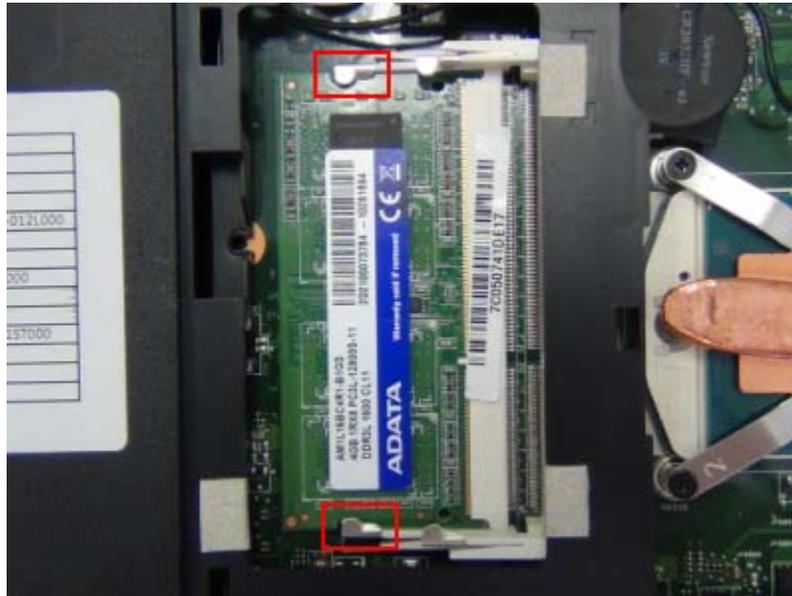
The illustrations below show how to replace the memory.

MEMORY

Replace Memory

Insert the memory to the DIMM socket of motherboard. Press down the memory until it is locked by 2 socket springs.





ODD Module

The illustrations below show how to replace the ODD module.

ODD

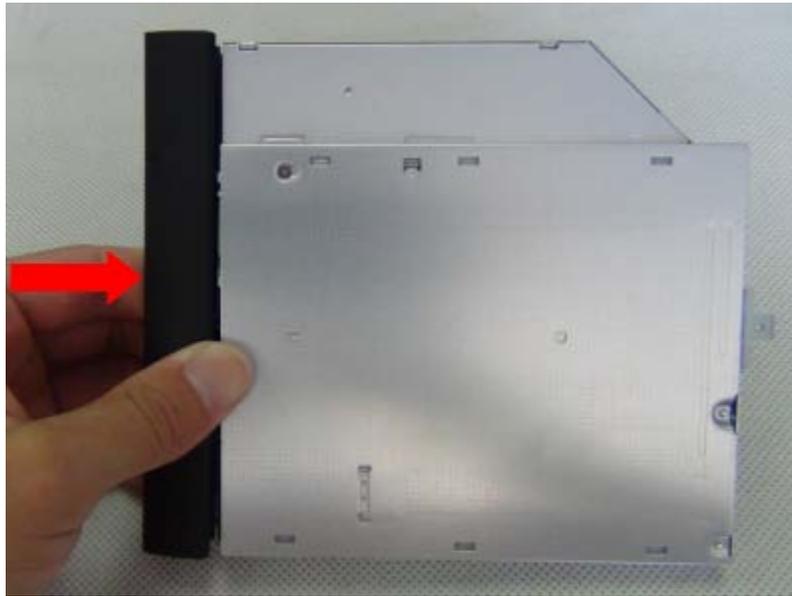
MODULE

Replace ODD Module

1. Combine the ODD bracket with the drive and consolidate the bracket with 2 screws(M2*2).



2. Insert the ODD bezel to the ODD front panel.



3. Push the ODD module into its housing.



Bottom Door

The illustrations below show how to replace the bottom door.

BOTTOM
DOOR

Replace Bottom Door

1. Cover the bottom door onto the bottom case, press its surface to lock all latches.



2. Consolidate the bottom door with 3 screws(M2*5).



Battery

The illustrations below show how to replace the battery.

BATTERY

Replace Battery

1. Push the battery pack into its housing.



2. Slide the left battery knob to lock the battery.

