




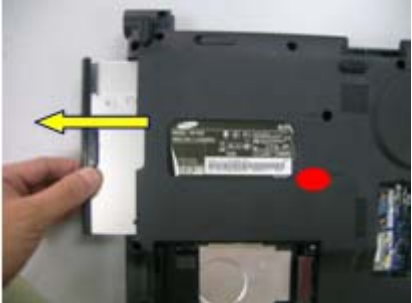




## 4. Disassembly and Reassembly





### 4-1. Disassembly and Reassembly of R20

Part	Figure	Description
Main System		<p>1. Make sure to separate the AC adapter and battery before disassembling the system.</p> <p>2. Slide the knob all the way to the end in the direction of the arrows (1) and push the battery in the direction of the arrows (2).</p>
		<p>3. If you push the battery upwards, the battery is separated.</p>
		<p>4. Remove the screws from the bottom.</p>
		<p>5. Remove the HDD compartment cover.</p> <p>6. Remove the memory compartment cover.</p>


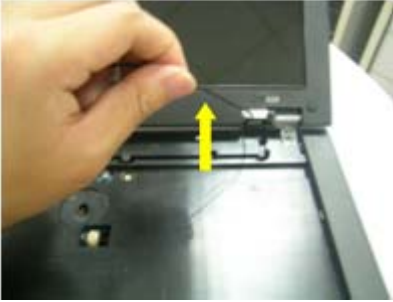


## 4. Disassembly and Reassembly

Part	Figure	Description
Main System		<p>7. When removing the HDD compartment cover, you will find the HDD. Separate the HDD cable and lift up the HDD at an angle of 70° as shown in the figure. (To separate the HDD cable, lift up the cable connector.)</p> <p><b>*Caution</b> Do not lift the HDD up using excessive force. Make sure to remove the HDD before turning over the system.</p>
		<p>8.1.Remove screws fixed up ODD. and BOTTOM as the figure shows. 2.Separate the ODD as the figure shows.</p>
		<p>9.1.Remove screws fixed up KBD and BOTTOM as the figure shows. 2.Remove screw fixed top and bottom under the ODD.</p>
		<p>10.Push the hooks inwards using tweezers as the figure shows and lift up the keyboard.</p> <p><b>*Caution</b> Avoid scratching the Top when pushing the hook with the tweezers.</p>



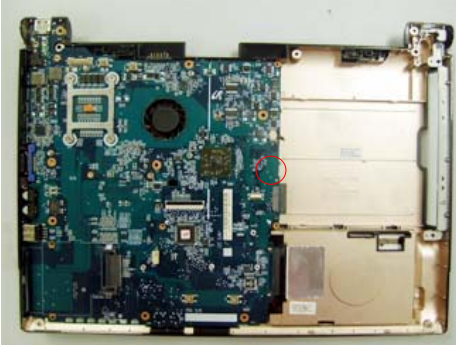
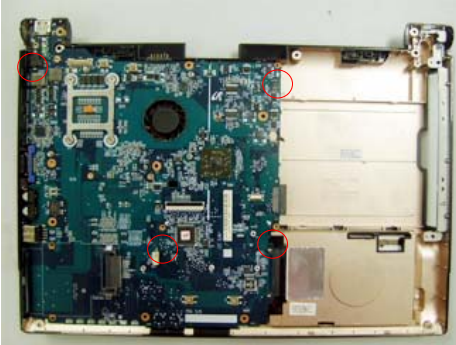
## 4. Disassembly and Reassembly

Part Name	Figure	Description
Main System		<p>11. Lift up the keyboard, then the Connector Lock and separate the FPC.</p>
		<p>12.                      1) Remove the 3 PCS screws.                      2) Separate Cap-Top at the middle area                      3) Separate Cap-Top right side  <b>Caution :</b>                      Be careful to happen scratch on LCD-Front because of excessive force when you disassemble Hinge-Cap area.</p>
		<p>13. Separate the whole Cap-top.</p>
		<p>14. Disconnect the antenna cable connected to the wireless LAN and take the cable out in the direction of the arrow. (Only AUX)</p>



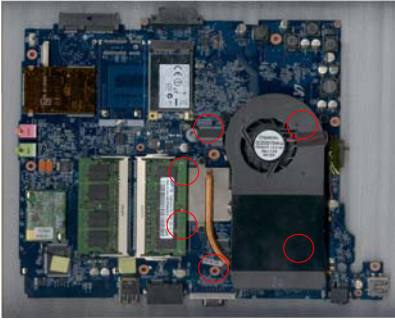

## 4. Disassembly and Reassembly

Part	Figure	Description
Main System		15. Hold and pull the black and white cable in figure through guideline.
		16. Lift up the Assy LCD slightly and separate it by pulling it in the direction of the arrow.
		17. Remove the 2 screws fixing the Hinge and the Top.
		18. Separate the LCD cable from MainBD.





## 4. Disassembly and Reassembly

Part Name	Figure	Description
Main System		<p>19. Lift up the Cable in figure and separate LCD from system.</p>
		<p>20. (1) Remove the screw.  (2) Separate the FFC-touchpad from MBD.</p>
		<p>21. Separate TOP from system as the figure shows.</p> <p>22. Disconnect speaker connector from MBD.</p>
		<p>23. Remove the screws fixed up MBD and Bottom.</p>





## 4. Disassembly and Reassembly

Part	Figure	Description
Main System		<p>24.Remove the screws fixed up the Speaker. 25.Remove the Speaker from bottom.</p>
		<p>26. Remove the memory as picture.</p>
		<p>27.Remove the screws fixed up the FAN.</p>
		<p>28. Remove the FAN as picture. 29.Remove the screws fixed up the Thermal.</p>

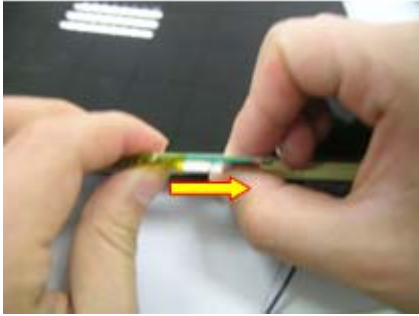



## 4. Disassembly and Reassembly

Part Name	Figure	Description
Main System	 A hand is shown holding a small, rectangular, copper-colored thermal pad. The pad is being positioned over a specific component on a green laptop motherboard. A white circle is drawn around the area where the pad is being applied.	30. Remove the Thermal as picture.
	 A close-up view of a CPU socket on a blue motherboard. A yellow screw is being turned with a screwdriver. A white arrow points to the screw, indicating the direction of rotation.	31. Turn the screw on the CPU socket 180 degrees in the direction of the arrow with a (-) screwdriver.
	 A hand wearing a white glove is shown lifting a CPU from its socket on a blue motherboard. A yellow arrow points upwards from the CPU, indicating the direction of removal.	32. Separate the CPU from the socket.
	 A hand is shown removing a wireless card from a blue motherboard. Two yellow arrows point upwards from the card, indicating the direction of removal.	33. Remove the 2 screw and separate wireless card as the figure shows.

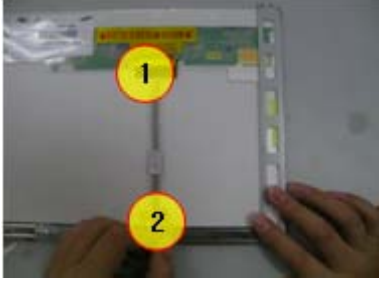

## 4. Disassembly and Reassembly

Part Name	Figure	Description
LCD Ass'y		<p>1. Remove the Rubber Foot from the positions indicated by the arrows in the figure, then remove the screws.</p>
		<p>2. Insert your finger between the LCD Panel and the LCD Front, then separate the lower part of the LCD Front.            3. Slide the latch with your finger to prevent intervention with the LCD Front and insert your finger between the LCD Panel and LCD Front to separate the upper part of the LCD Front.            4. Separate both sides of the LCD Front.  <b>*Caution</b>  <b>Do not separate the LCD Front with excessive force.</b></p>
		<p>5. Remove the screws indicated by the arrows in the figure.</p>
		<p>6. Separate the LCD-inventor as the figures.</p>



## 4. Disassembly and Reassembly

Part	Figure	Description
LCD Ass'y		<p>7. Separate the inventor board connector as the figure shows.</p>
		<p>8. Lift up LCD module.</p>
		<p>9. Lift up the spring 10. Remove the screws fixed up latch and back. 11. Separate latch.</p>
		<p>12. Remove the screws fixed up antenna and back. 13. Remove the antenna wire as the figure shows.</p>

## 4. Disassembly and Reassembly

Part	Figure	Description
LCD Ass'y		14. Remove the tapes in circles 1 and 2.
		15. Pull out the LCD cable in circle 1 in the direction of the arrow.

## 4. Disassembly and Reassembly

Part	Figure	Description
TOP Ass'y		<p>1.Remove the screws fixed up Brkt-touchpad and TOP. 2.Disconnect FFC-touchpad as the figure shows and remove the bracket-touchpad.</p>
		<p>3.Remove the Touchpad-BD from TOP as the figure shows.</p>