Service Manual

(LS40, LS50)

LG Electronics

1010 Battery Pack

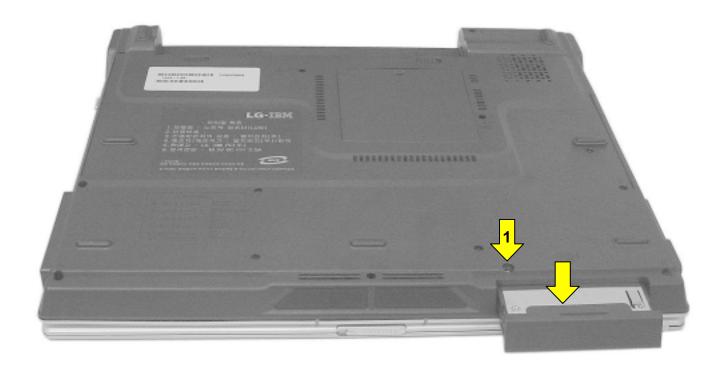
1. Push the battery latch in the direction shown below; then slide the battery pack out of the slot.



1020 Hard Disk Drive

■ Remove the battery pack (1010) before replacing this part

1. Remove a screw as indicated in the picture, then pull the HDD Assy out in the direction shown below.

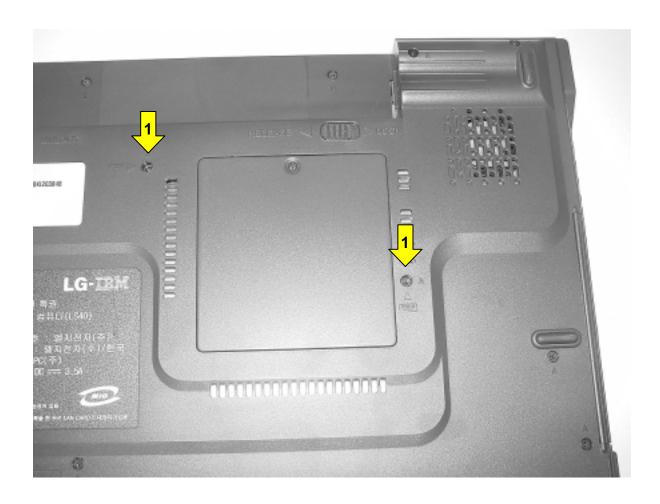


| No. | FRU No. | Specification | EA |
|-----|-------------|---------------|----|
| 1 | 1SZZBA4085A | M3.0 X L6.0 | 1 |

1030 Keyboard

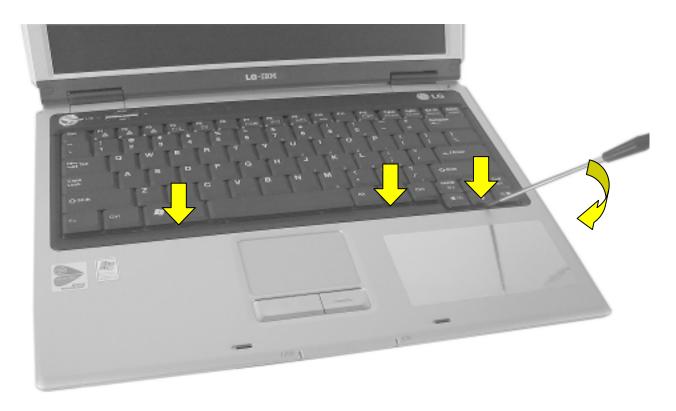
™ Remove the battery pack (1010) before replacing this part

1. Remove 2 screws.



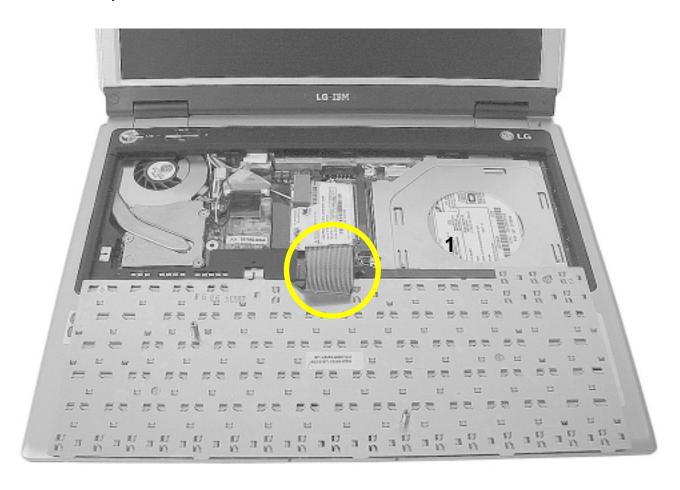
| No. | FRU No. | Specification | EA |
|-----|-------------|---------------|----|
| 1 | 1SZZBA4083A | M2.0 X L8.0 | 2 |

2. To remove three hooks, insert a (-) type screwdriver into a hook located at the lower end of keyboard, and pull it up.





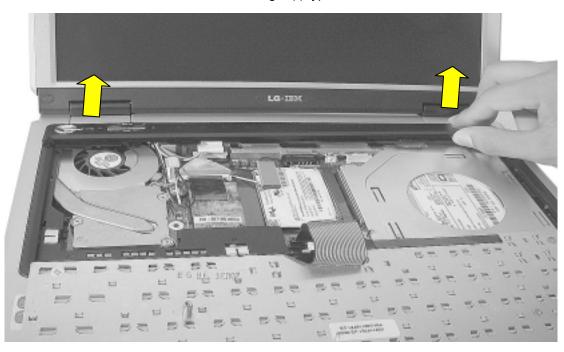
3. Disconnect the keyboard connector.



1040 Retainer

 Remove the following parts in order before replacing this part

1. Pull up the retainer, and remover the connector using a (-) type screwdriver.



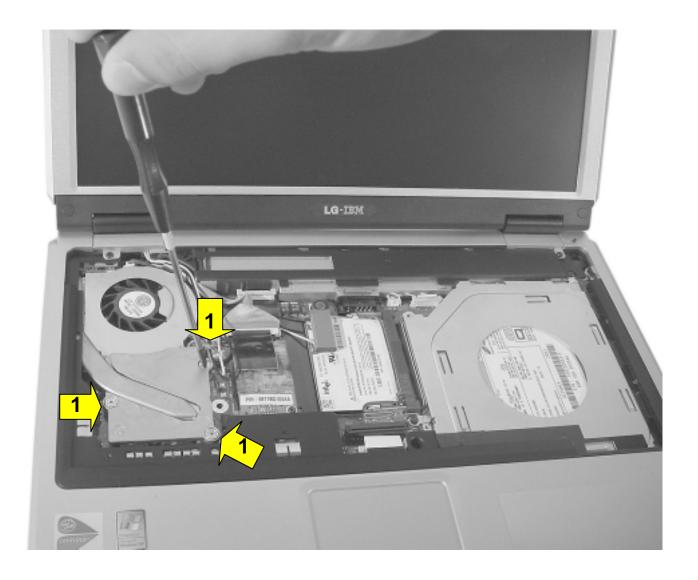


1050 Fan Assembly

Remove the following parts in order before replacing this part

★ Battery Pack (1010)
 ★ Keyboard (1030)
 ★ Retainer (1040)

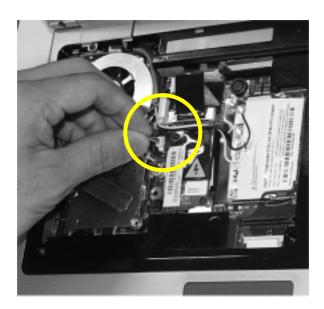
1. After removing a screw and the connector, pull up and remove the fan Assy using a (-) type screwdriver.

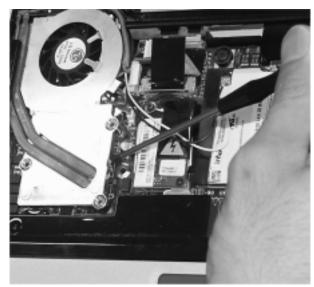


| No. | FRU No. | Specification | EA |
|-----|-------------|---------------|----|
| 1 | 1SZZBZ4020A | M2.0 X L8.8 | 3 |

1050 Fan Assembly

1. After removing a screw and the connector, pull up and remove the fan Assy using a (-) type screwdriver.



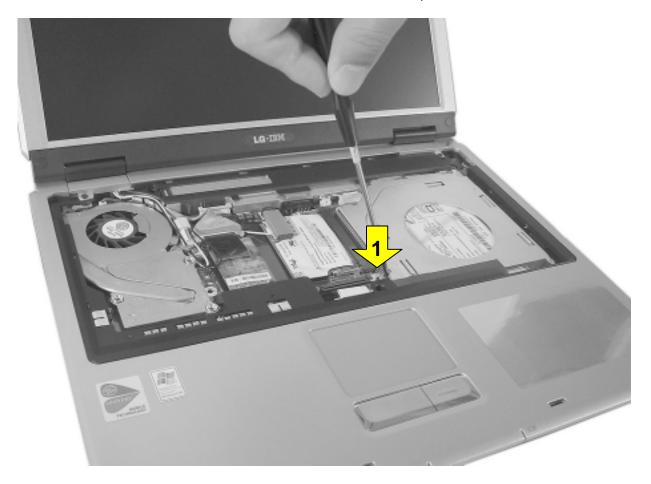


| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBZ4020A | M2.0 X L8.8 | 3 |

1060-1 Optical Disk Drive (14.1" Model)

Remove the following parts in order before replacing this part

1. Remove a screw, insert a screwdriver into the back side of ODD and push it out.

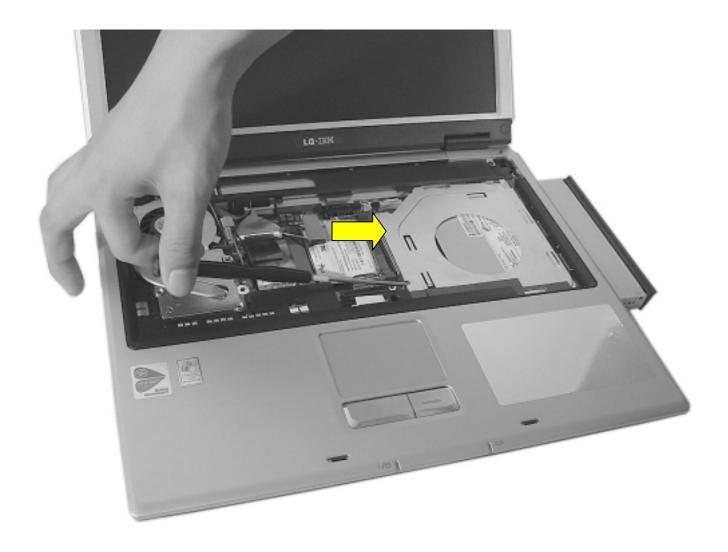


| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBZ4014A | M2.0 X L5.0 | 1 |

1060-2 Optical Disk Drive (15" Model)

 $\ensuremath{\mathbb{R}}$ Remove the following parts in order before replacing this part

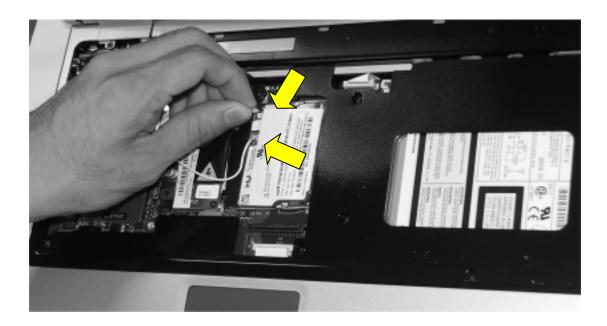
1. Remove a screw, insert a screwdriver into the hole located at the rear of ODD and push it out.

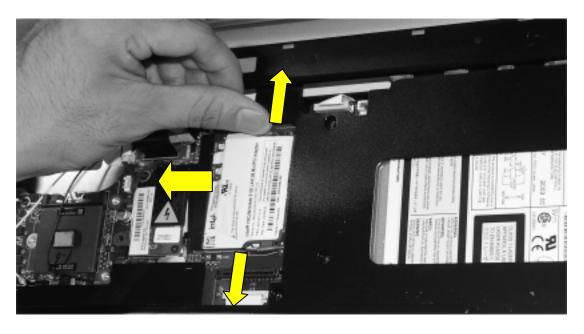


| | No. | FRU No. | Screw | Qty |
|---|-----|-------------|-------------|-----|
| Ĭ | 1 | 1SZZBZ4014A | M2.0 X L5.0 | 1 |

1070 Wireless LAN Card

1. Remove two wireless LAN card connector, open card knob to take out the card.



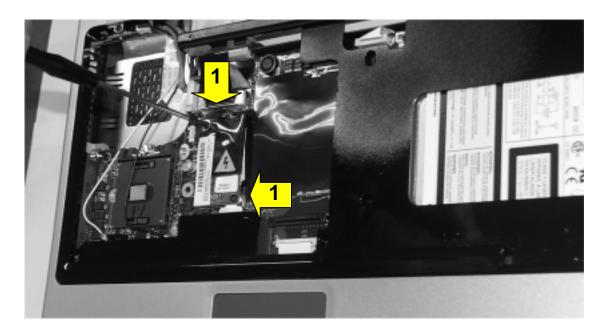


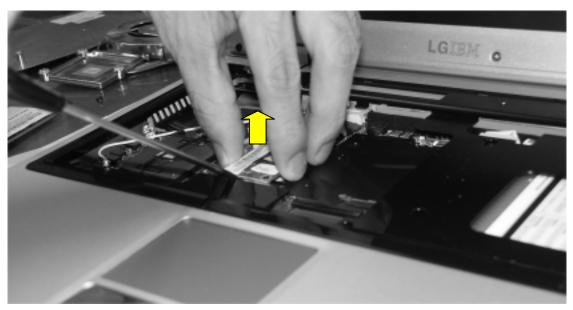
1080 MDC Modem Card

■ Battery Pack (1010)

★ Keyboard (1030)

1. Remove two screws and insert a screwdriver below the modem. Pull it up to disassemble.





| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4017B | M2.0 X L3.5 | 2 |

1090 Display Module

★ Remove the following parts in order before replacing this part

■ Battery Pack (1010)

★Keyboard (1030)

₩Wireless LAN Card (1070)

1. Remove two screws.



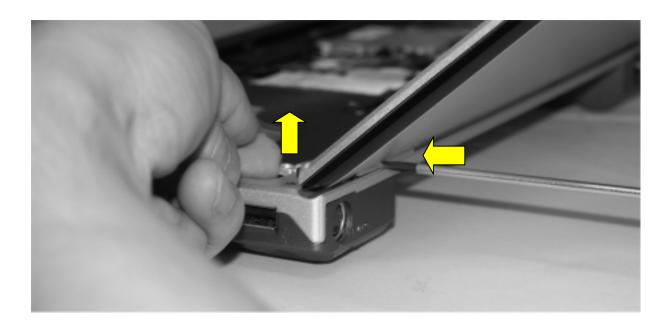
| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4039B | M2.5 X L8.0 | 2 |

2. Remove two hinge cover screws.

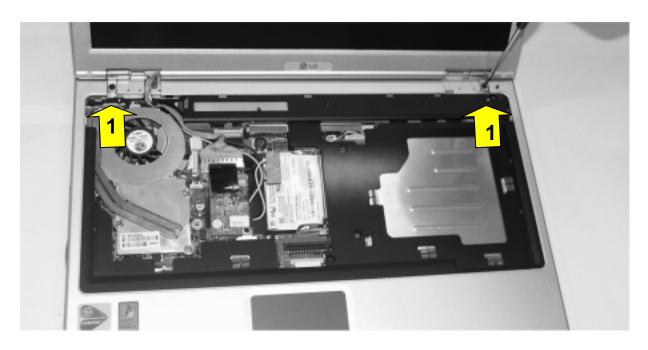


| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBZ4014A | M2.0 X L5.0 | 2 |

3. Using a (-) type screwdriver from the back of the LCD, pull up the hinge cover with your finger. The more you move the LCD to the back, the easier the hinge cover will pull out. Remove another hinge cover located on the other side.

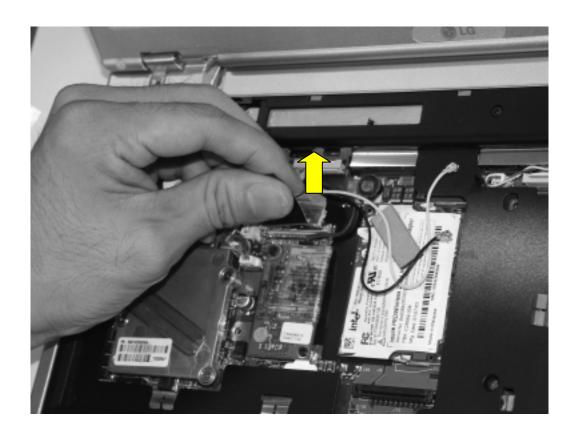


4. Remove two hinge screws.



| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4039B | M2.5 X L8.0 | 2 |

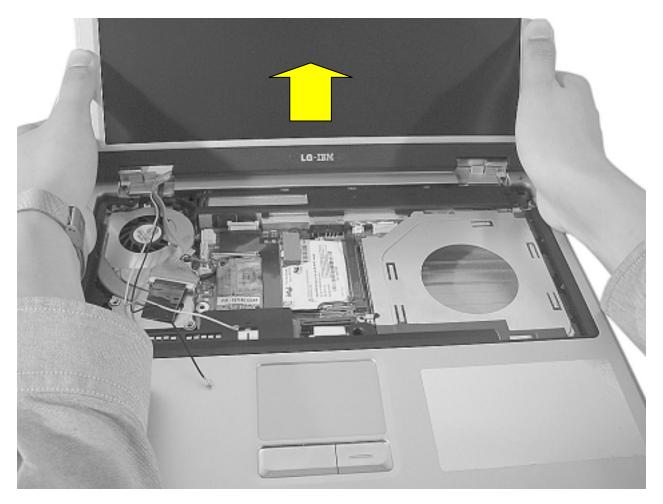
5. Remove the LCD connector located at the upper end of MCD modem. You will see a tag designed to make the work easier. Pull out the tag.



6. Remove the LCD cable.



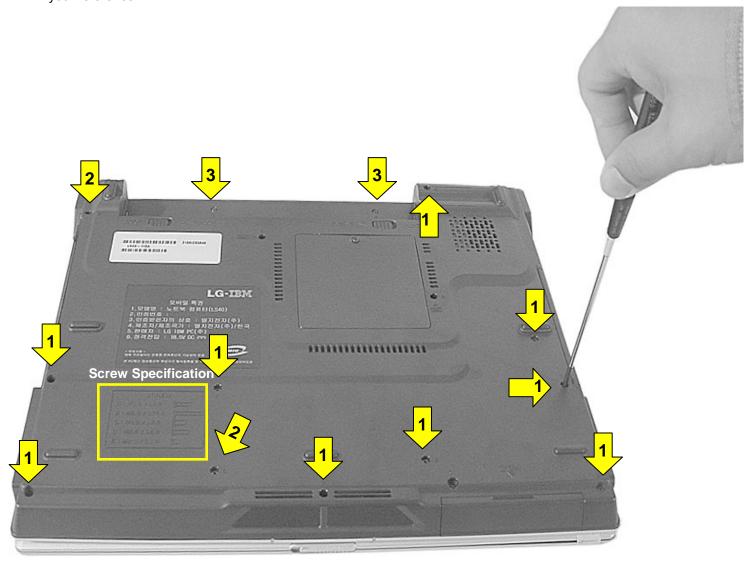
7. Hold the LCD with your both hands, and pull it up to remove.



1100 Key Deck

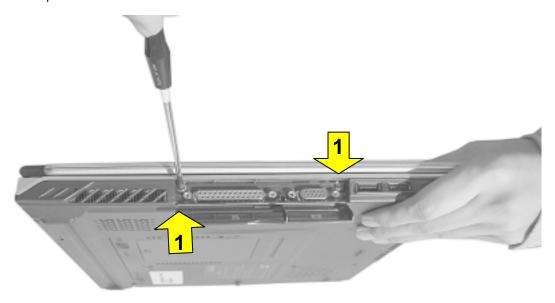
Remove the following parts in order before replacing this part

1. Remove 14 screws (for 15" model) or 11 screws (for 14.1" model). The screw type is shown on the set for your reference.



| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4083A | M2.0 X L8 | 9 |
| 2 | 1SZZBZ3010Z | M2.0 X L15 | 2 |
| 3 | 1SZZBA4017A | M2.0 X L3.0 | 2 |

2. Open the I/O port cover and remove two screws.



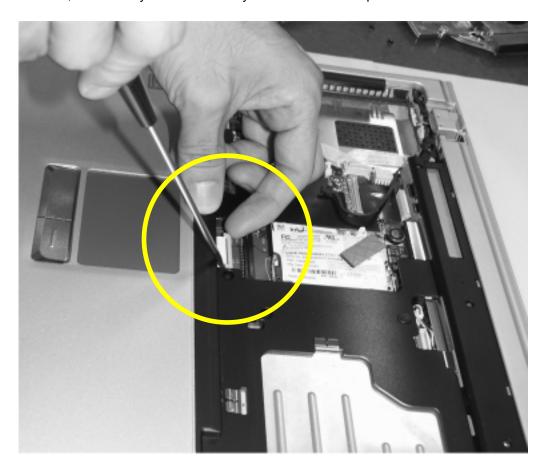
| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4017A | M2.0 X L3.0 | 2 |

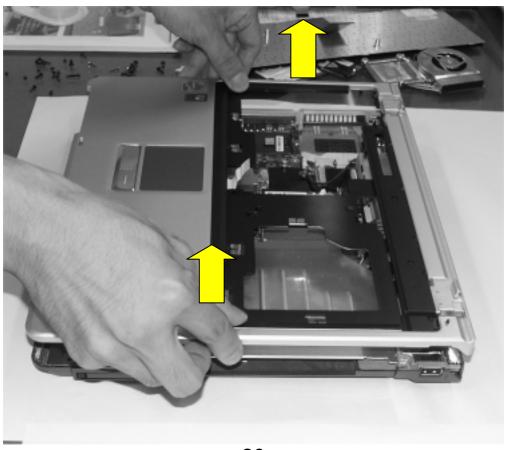
3. Open ODD plate and remove two screws



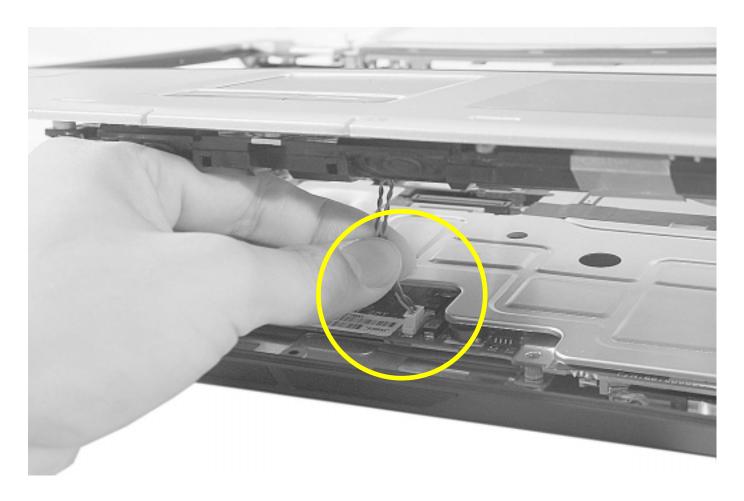
| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4041A | M2.0 X L3.0 | 2 |

4. Remove the cable, hold the keyboard deck with your both hands and pull it out.





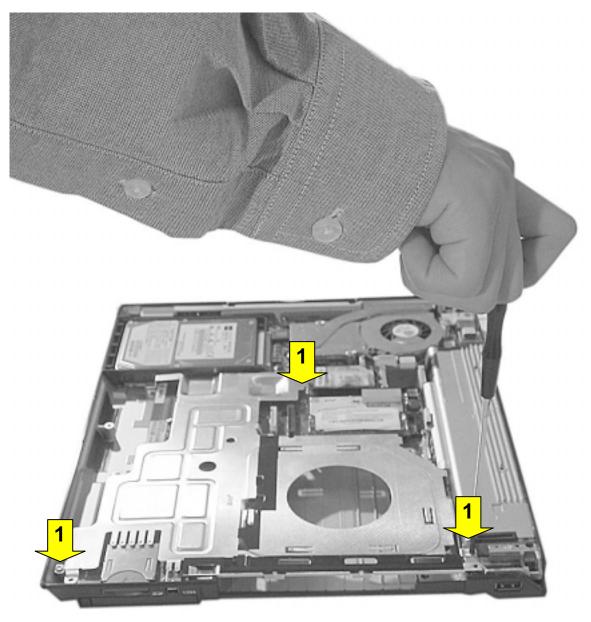
5. Remove the speaker cable located at the front of key deck that is pulled up.



1110 Main Board

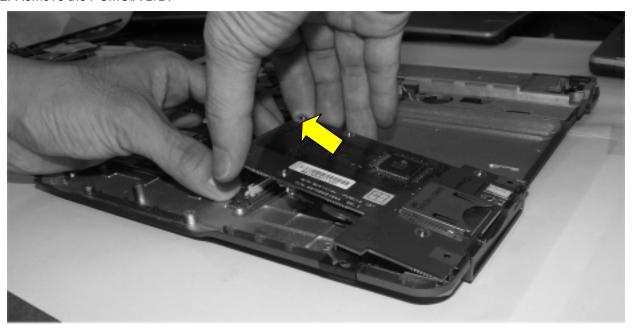
Remove the following parts in order before replacing this part.

1. Remove two screws and disassemble the ODD Plate Assy.

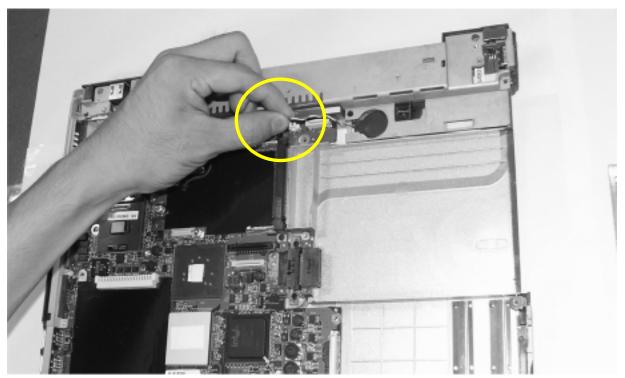


| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4017B | M2.0 X L3.5 | 3 |

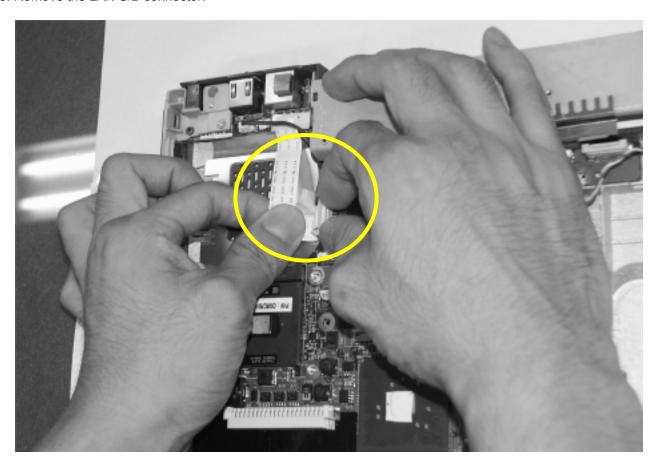
2. Remove the PCMCIA B/D.



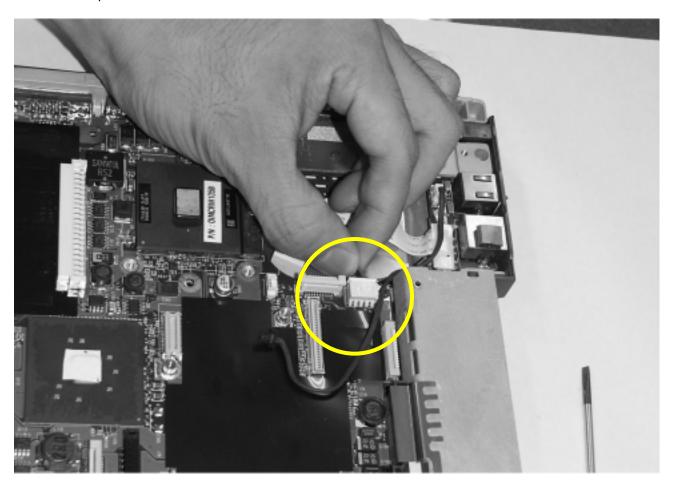
3. Remove the RTC battery connector from M/B.



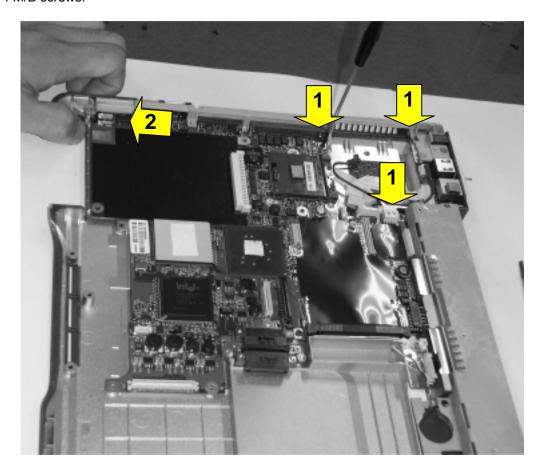
5. Remove the LAN S/B connector.



6. Remove the power cable.

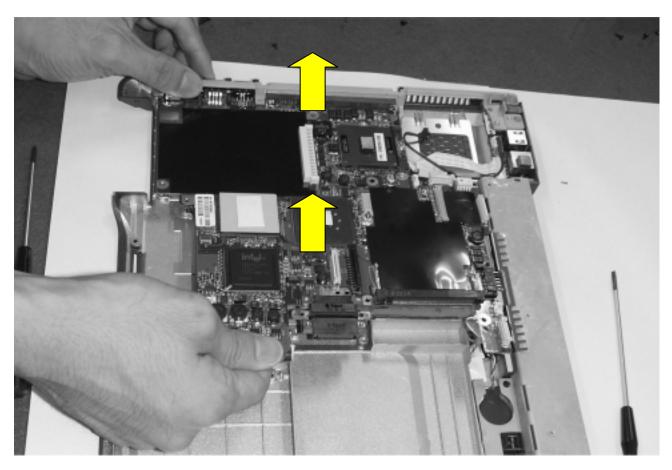


7. Remove 4 M/B screws.



| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBZ4014A | M2.0 X L5.0 | 3 |
| 2 | 1SZZBA4017B | M2.0 X L3.5 | 1 |

8. Hold M/B with your both hand and pull it up to remove.



1120 Battery Frame Assy

Remove the following parts in order before replacing this part.

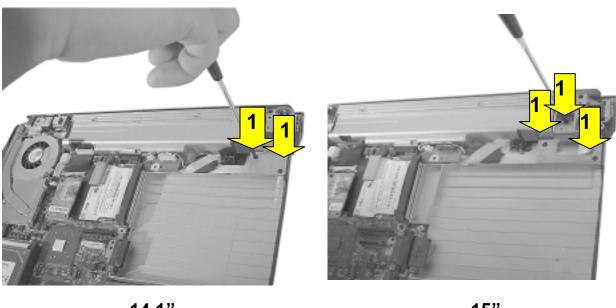
■Battery Pack (1010)
■ Keyboard (1030)
■ Retainer (1040)

▼Fan Assembly (1050)

※ Wireless LAN Card (1070)

※MDC Modem Card (1080)

1. Remove a screw.



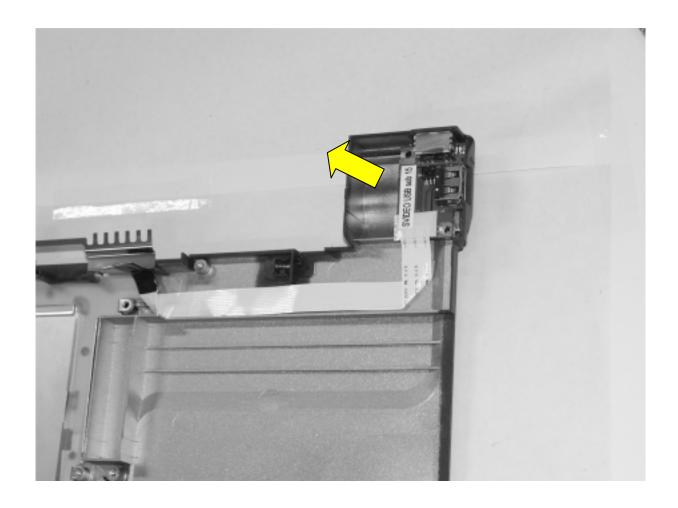
| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|----------------------|
| 1 | 1SZZBA4017B | M2.0 X L3.5 | 2(14.1") 3(15.0") |

1130 S-Video Sub-Board

Remove the following parts in order before replacing this part.

Battery Frame Assy (1120)

1. Remove the S-Video sub-board.



1140 Display Module

Remove the following parts in order before replacing this part.

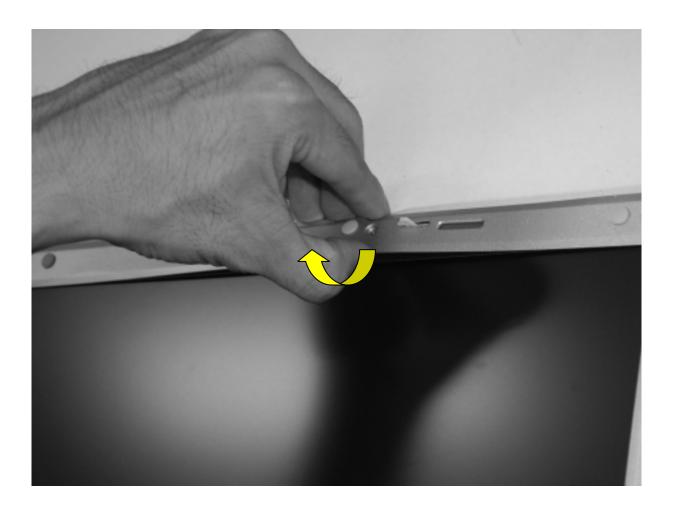
₩Wireless LAN Card (1070)

1. Using a knife, remove the logo and rubbers that are covering the screws. Then remove all 7 screws.

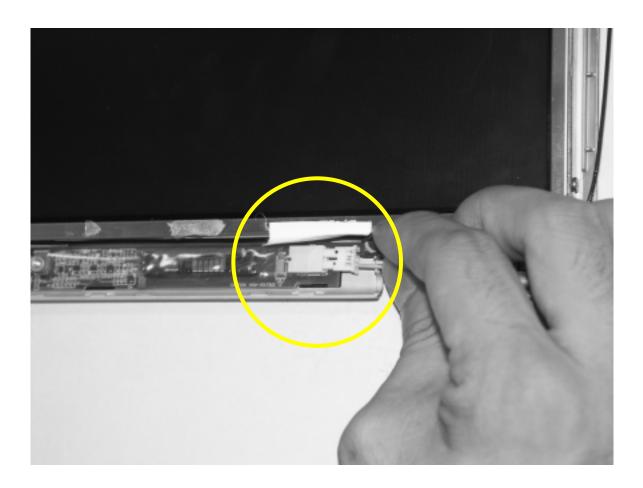


| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBA4044B | M2.5 X L4.0 | 5 |
| 2 | 1SZZBA4068A | M2.5 X L5.0 | 2 |

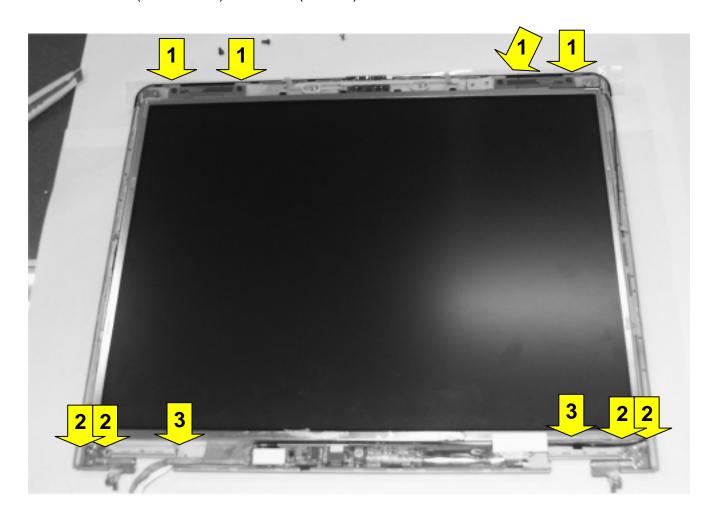
2. Disassemble the LCD front. The front hook located on the middle of LCD upper and lower end. Be careful of the direction when removing because it is connected from inside out.



3. Remove cable connector. Remove the cable that is arranged around LCD from the LCD frame.

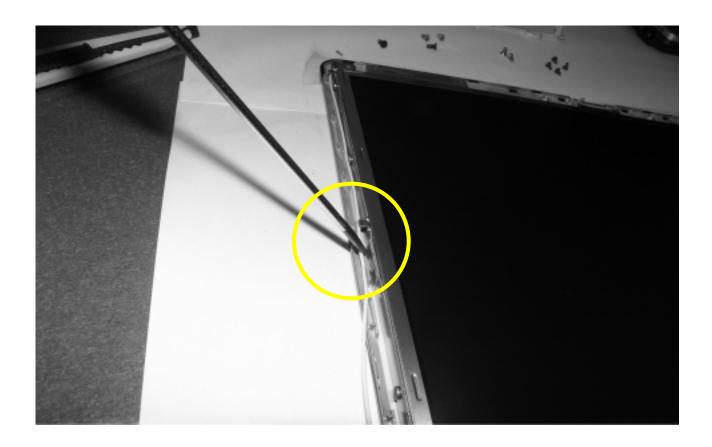


4. Remove 9 screws (for 15" model) or 8 screws (for 14.1")



| No. | FRU No. | Screw | Qty |
|-----|-------------|-------------|-----|
| 1 | 1SZZBZ3009B | M2.0 X L2.5 | 4 |
| 2 | 1SZZBA4068A | M2.5 X L5.0 | 4 |
| 3 | 1SZZBA4082A | M2.0 X L4.5 | 2 |

5. Press the hook on the both side of LCD with a (-) type screwdriver and remove from the LCD rear panel.



6. Remove LCD from the LCD rear panel.

