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5200 Series

Tools Required for Proper Disassembly and Reassembly:

1. Phillips Screwdriver (Size 1)
2. 3mm Flat head Screwdriver
3. Case Separator
4. ESD Wrist Strap
5. ESD mats
6. Tweezers

Before attempting any of the following procedures, make sure that the main battery and AC adaptor is not connected to the unit and the environment in which you are working on is protected from Electro-Static Discharge(ESD).

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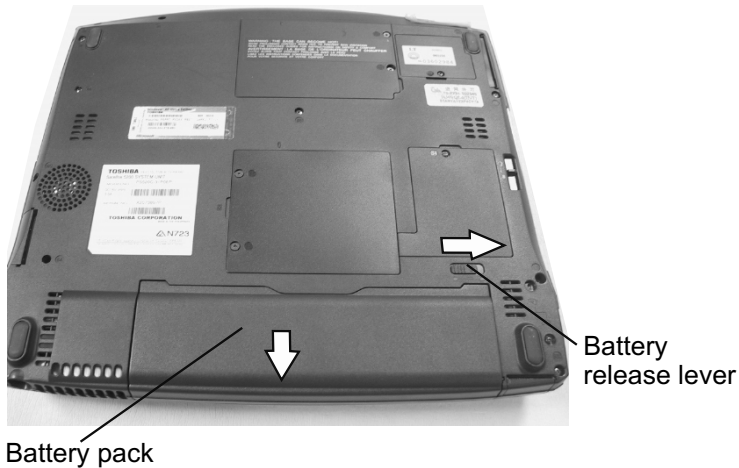
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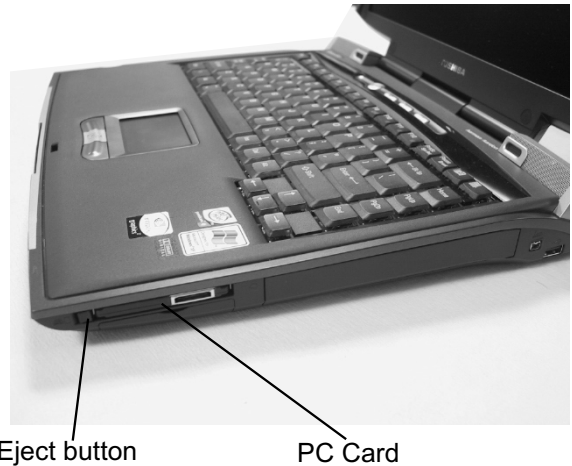## Satellite™
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## BATTERY PACK REMOVAL

Battery release lever

Battery pack

1. Turn the computer upside down as shown.
2. Slide the **battery release lever** in the direction of the arrow.
3. Lift out the **battery pack**.

## OPTIONAL PC CARD REMOVAL

Eject button   PC Card

1. Press the **eject button** of the PC Card slot.
2. Press the extended **eject button** to pop the **PC card** out slightly.
3. Grasp the **PC Card** and pull it out
NOTE: Before removing any PCMCIA device, make sure it is "STOPPED" in the PC Card Manager.

HDD REMOVAL

HDD cover

M2.5x5 black flat head screw
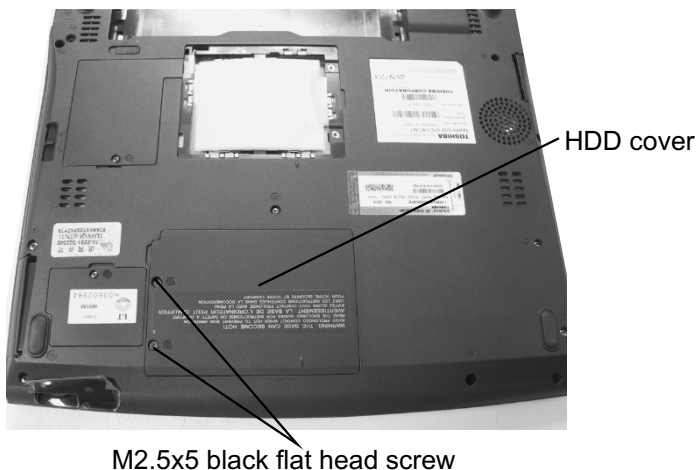
1. Turn the computer upside down.
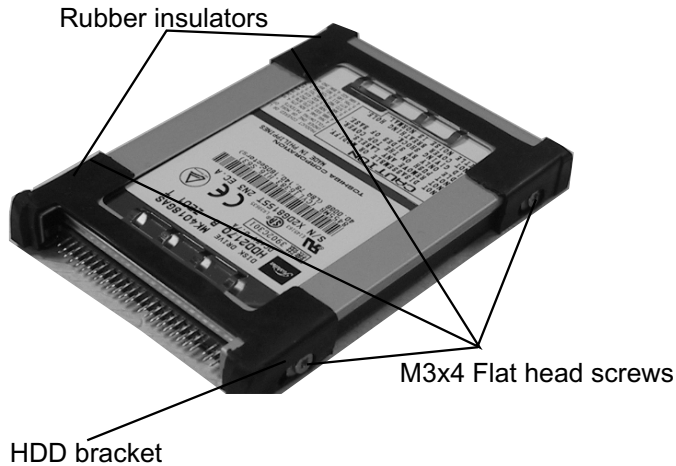2. Remove **two M2.5x5 black flat head screws** securing HDD cover and pull out the **cover**.

.

HDD rubber insulator   HDD assy
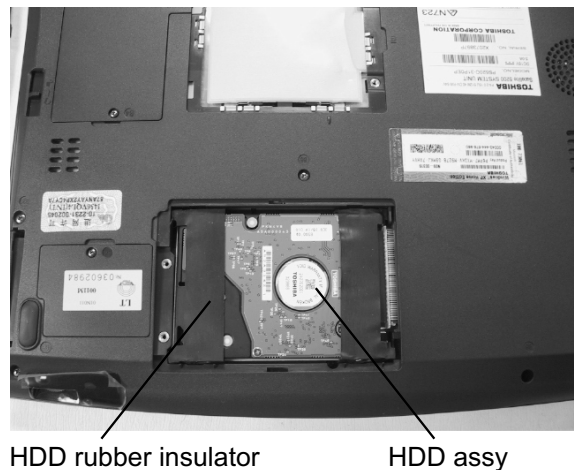
3. Slowly lift up the **HDD assembly** by the **rubber insulator** and disconnect the HDD assembly.

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HDD REMOVAL

Rubber insulators

M3x4 Flat head screws
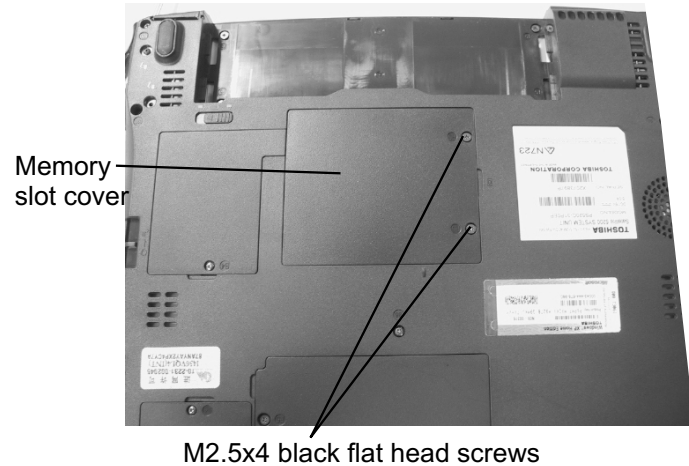
HDD bracket

4. Separate the **two rubber insulators** from the HDD assembly.
5. Remove **four M3x4 brass flat head screws** securing the HDD bracket to the drive.

MEMORY MODULE REMOVAL

Memory slot cover

M2.5x4 black flat head screws

1. Turn the computer upside down.
2. Remove **two M2.5x5 black flat head screws** securing the memory cover.
3. Lift out the **cover**.

MEMORY MODULE REMOVAL

Memory module
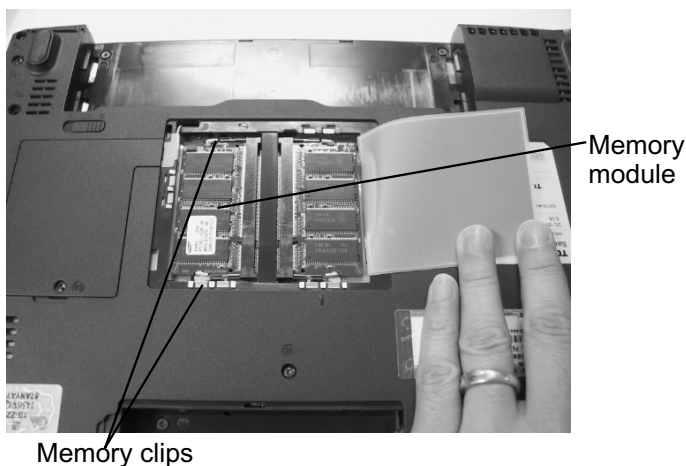
Memory clips

4. Gently press out on the **memory clips** and pull the memory module out of the connector on a 30 degree angle.
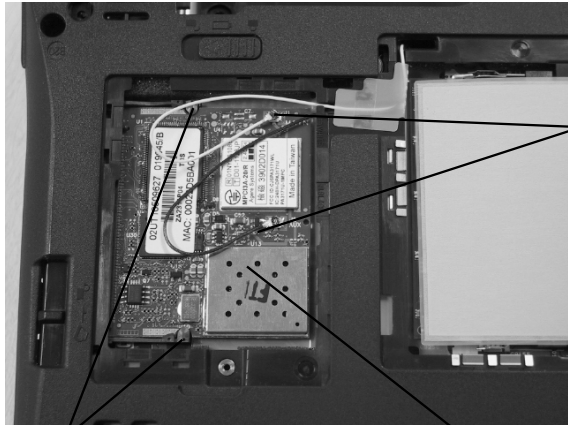
MINI PCI CARD REMOVAL

Mini PCI slot cover
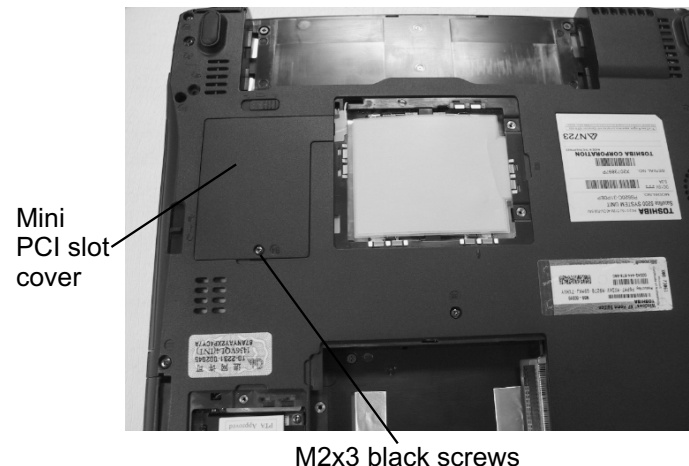
M2x3 black screws

1. Turn the computer upside down.
2. Remove **one M2x4 black screw** securing the mini PCI slot cover.

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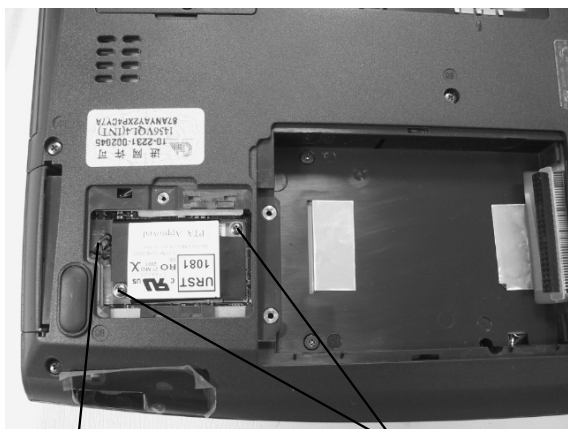## MINI PCI CARD REMOVAL

Black/white mini coax

PCI clips   Wireless LAN card

3. Disconnect the **black** and **white coax cables** from the mini PCI wireless LAN card.
4. Gently press out the **Mini PCI slot clips** and pull the **Mini PCI wireless LAN card** out of the connector on a 30 degree angle.

Note: The black and white coax cables must be inserted in respective connectors.

MODEM BOARD REMOVAL

Modem slot cover   M2x3 black screw

1. Remove **one M2x3 black screw** securing the modem slot cover.
2. Lift out the **cover**.

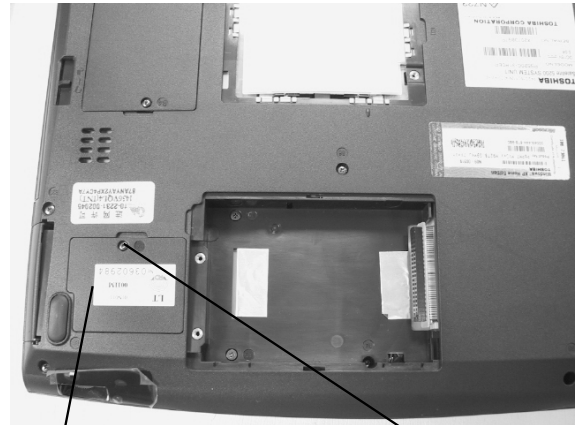## MODEM BOARD REMOVAL

Modem board

MJ harness   M2x3 black screws

3. Disconnect the **MJ harness** from JP1 on the modem board.
4. Remove **two M2x3 black screws** securing the modem board.
5. Lift up the **modem board** to disconnect it from the system board.
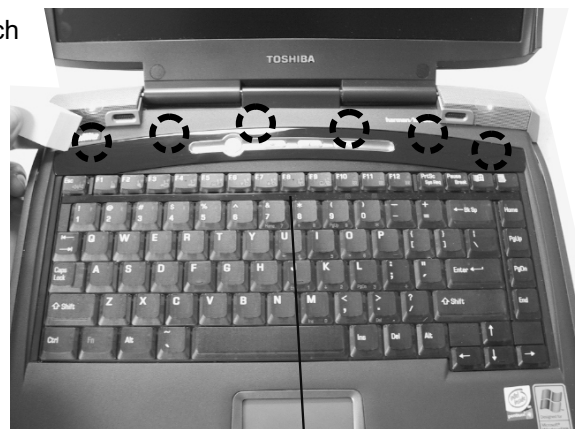
KEYBOARD REMOVAL

Latch

Keyboard holder

1. Open the display panel.
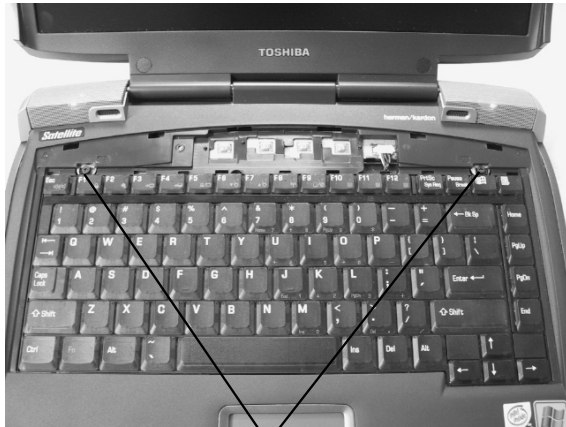2. Remove the **keyboard holder** at the top of the keyboard.

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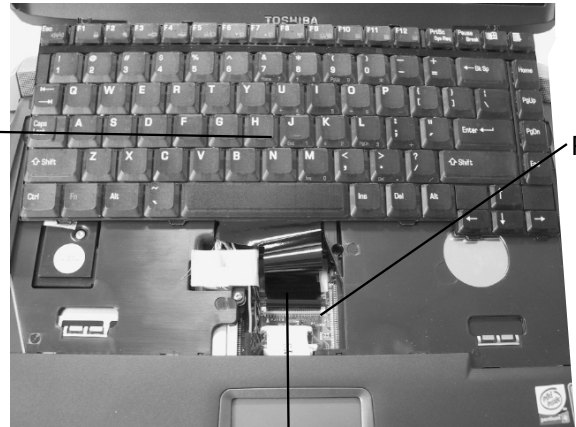
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KEYBOARD REMOVAL

M2.5x2.8 black flat head screws

Keyboard

PJ113

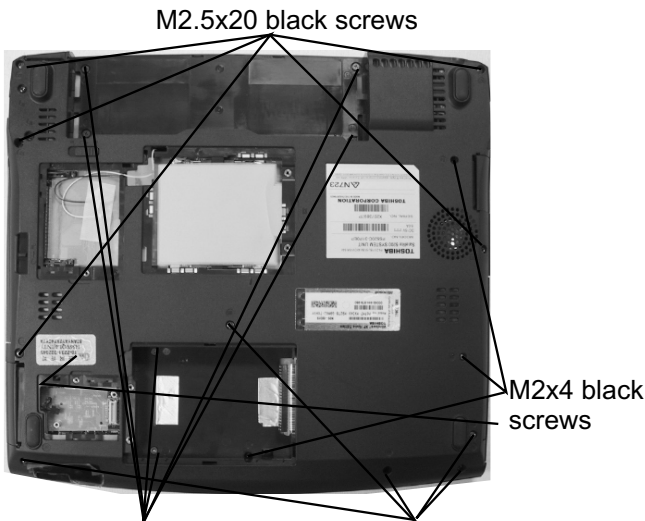Keyboard cable

3. Remove **two M2.5x2.8 black flat head screws** securing the keyboard.

4. Lift out the **keyboard** and set it as shown above.
5. Disconnect the **keyboard cable** from **PJ113** on the system board and lift out the keyboard.

TOP COVER REMOVAL

M2.5x20 black screws

Glass Tape

M2x4 black screws

M2.5x5 black flat head screws

M2.5x6 black screws

M2x6 brass screws

M2x14 brass screws

1. Remove the following nineteen screws from the bottom cover:
   - 5 M2.5x6 black screws
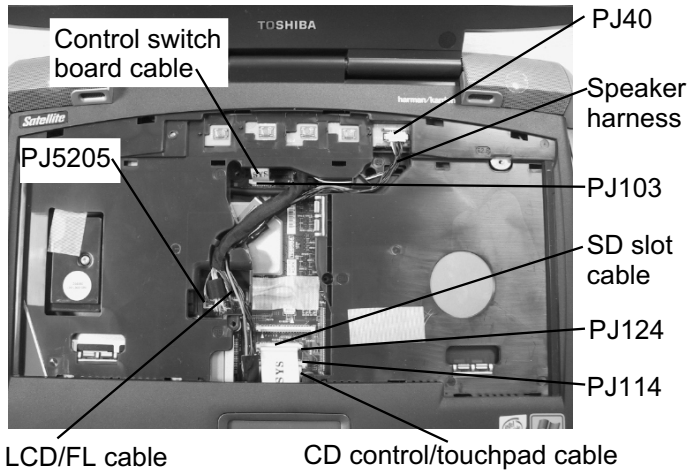   - 5 M2.5x20 black screws
   - 6 M2.5x5 black flat head screws
   - 3 M2x4 black screws

2. Turn the computer right side up.
3. Remove **three m2x6** and **one m2x14 brass screws** securing the top cover assembly.
4. Remove the **glass tape** securing the LCD/FL cable.

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TOP COVER REMOVAL

Control switch board cable

PJ40

Speaker harness

PJ5205

PJ103

SD slot cable

PJ124

PJ114

LCD/FL cable

CD control/touchpad cable

5. Disconnect the **LCD/FL cable** and **control switch board cable** from **PJ5205** and **PJ103** on the system board.
6. Disconnect the **SD slot cable** and **CD control/touchpad cable** from **PJ124** and **PJ114** on the system board.
7. Disconnect the **speaker harness** from **PJ40** on the control switch board.
8. Lift out the **top cover assembly**.

CD-R/W/DVD-ROM DRIVE REMOVAL

PJ106
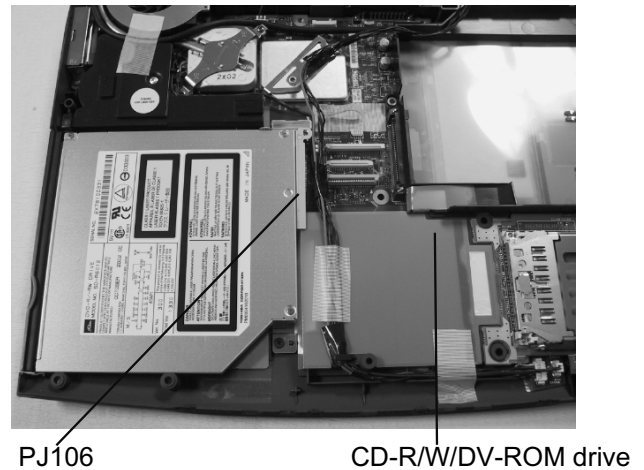
CD-R/W/DV-ROM drive

1. Slide the **CD-R/W/DVD-ROM drive** to the right to disconnect it from **PJ106** on the system board.

CD-R/W/DVD-ROM DRIVE REMOVAL

M2x2 brass screws

CD-R/W/DVD-ROM drive

M2x3 silver screw

CD-R/W/DVD-ROM side bracket
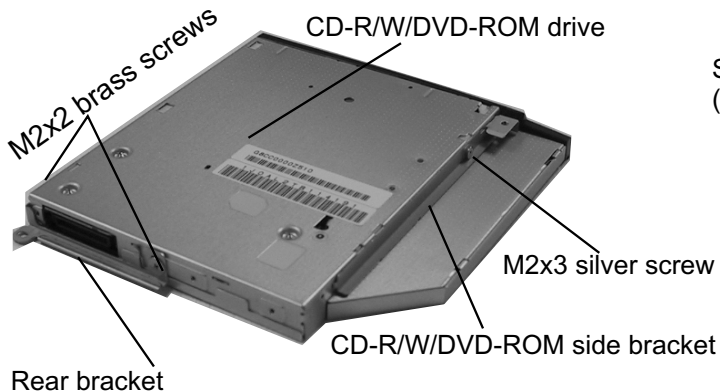
Rear bracket

2. Remove **one M2x3 silver screw** securing the side bracket and lift out the bracket.
3. Remove **two M2x6 brass screws** securing the CD-R/W/DVD-ROM rear bracket and separate the bracket.

SPEAKER(WOOFER) REMOVAL

Speaker (woofer)

Glass tape

woofer harness   PJ5504
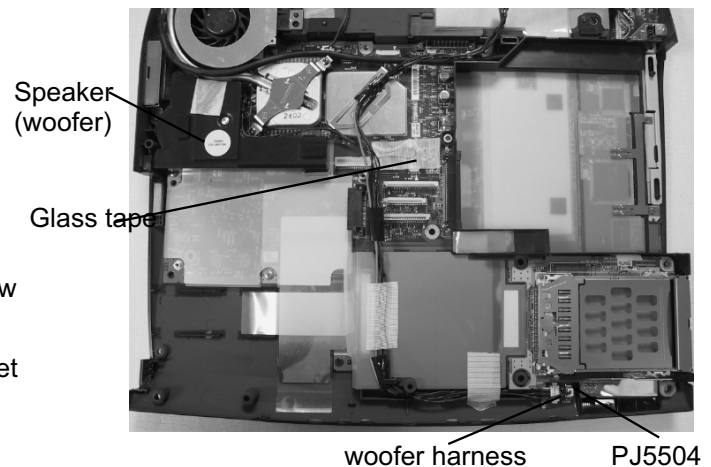
1. Peel off the **glass tape** securing the woofer harness.
2. Disconnect the **woofer harness** from **PJ5504** on the sound board.
3. Lift out the **speaker(woofer)**.

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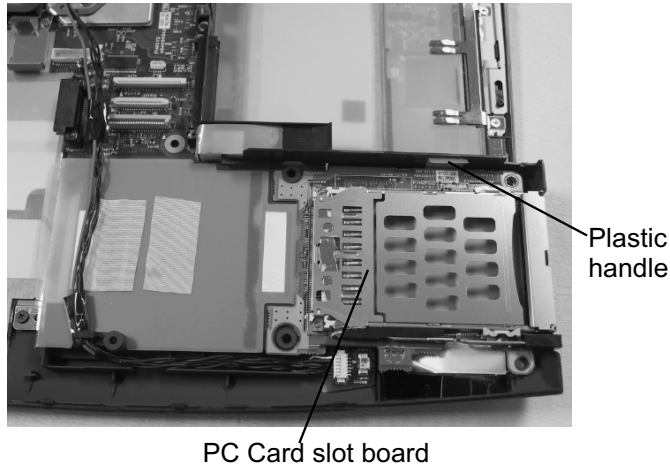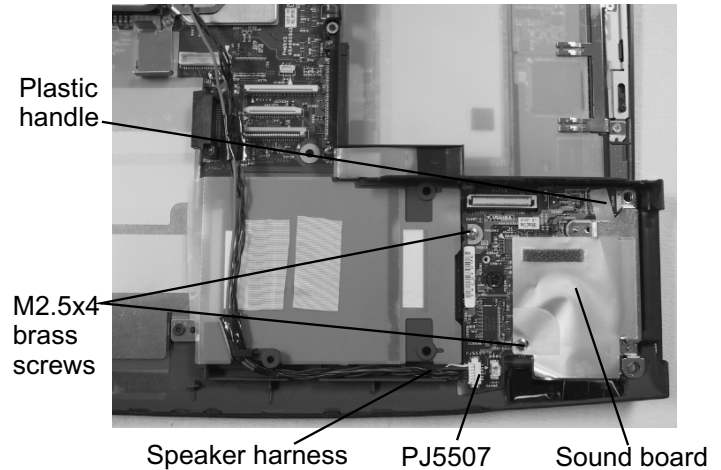## 5200 Series

## PC CARD SLOT REMOVAL

Plastic handle

PC Card slot board

1. Grasp the plastic handle and lift up to disconnect the **PC Card slot board** from the system board.
2. Lift out the **PC Card slot board**.

SOUND BOARD REMOVAL

Plastic handle

M2.5x4 brass screws

Speaker harness   PJ5507   Sound board

1. Disconnect the **speaker harness** from **PJ5507** on the sound card board.
2. Remove **two M2.5x4 brass screws** securing the sound board.
3. Grasp the **plastic handle** and lift up to disconnect the **sound board** from the system board

RTC REMOVAL

Glass tape

RTC harness

PJ8771

RTC holder   RTC battery
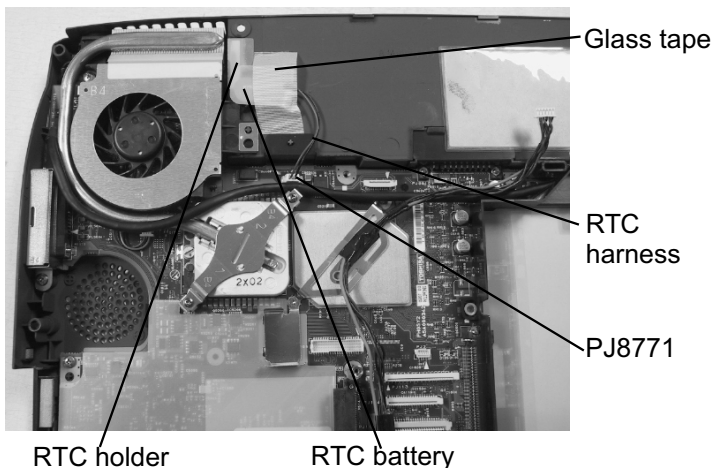
1. Remove the **glass tape** securing the RTC battery to the RTC holder.
2. Disconnect the **RTC battery harness** from **PJ8771** on the system board.
3. Lift the **RTC battery** out of the holder.

COOLING MODULE REMOVAL

M2.5x4 brass screw

Fan module

M2x3 black screws

Fan harness   PJ8770   Heat sink module
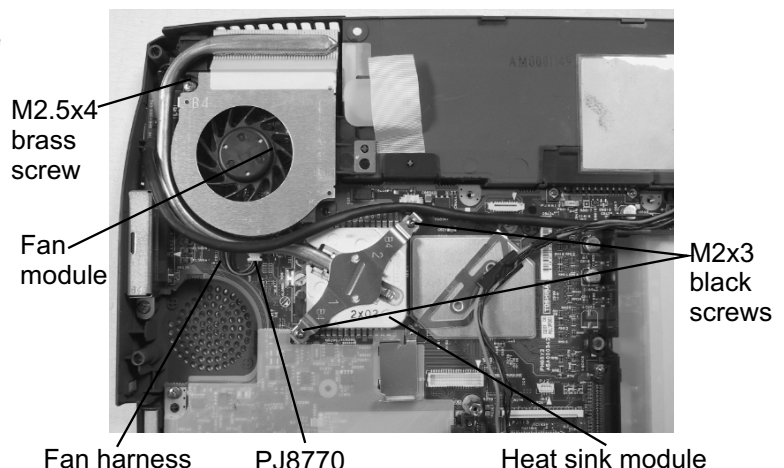
1. Remove **two M2x3 black screws** securing the heat sink assembly.
2. Lift out the **heat sink module**.
3 Disconnect the **fan harness** from **PJ8770** on the system board and remove **one M2.5x4 brass screw** securing the fan assembly.
4. Lift out the **fan module**.

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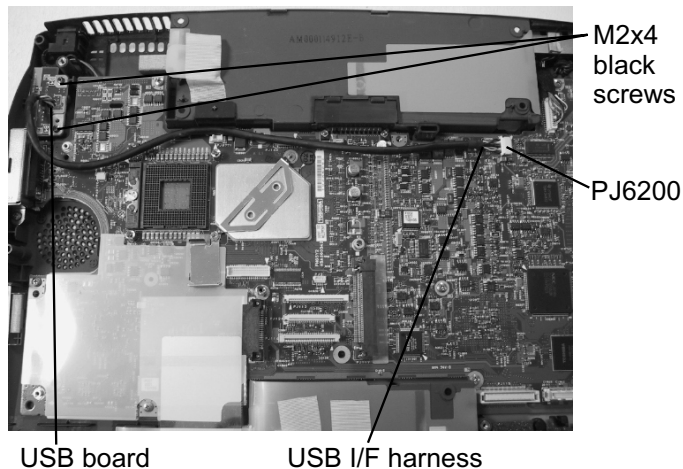## 5200 Series

CPU REMOVAL

Open

Close

CPU

Silicone grease
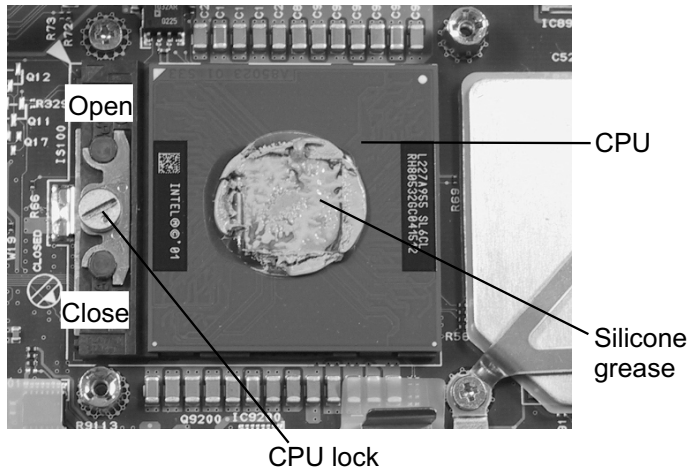
CPU lock

1. Insert a **flat head screwdriver** in the **CPU lock** and rotate it counter-clockwise to unlock the **CPU**.
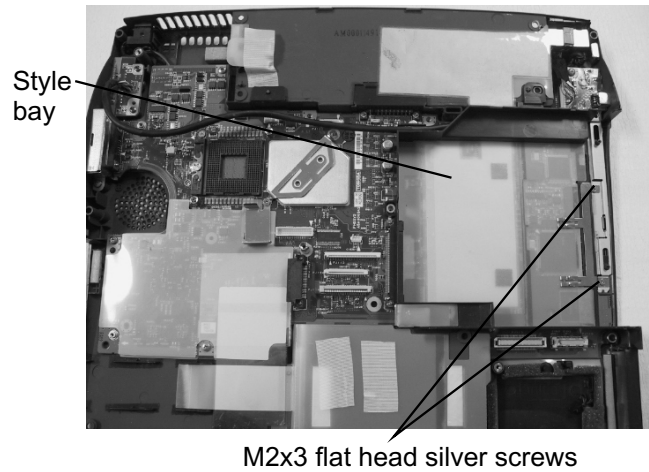2. Lift out the **CPU**.

NOTE: When installing the CPU, make sure that a silicone grease is applied before attaching the heat sink. Please refer to FSB-200112 for the complete procedures on how to apply the silicone grease.

TOSHIBA STYLE BAY REMOVAL

Style bay

M2x3 flat head silver screws

1. Remove **two M2x3 silver flat head screws** securing securing the TOSHIBA style bay.
2. Gently lift up the **TOSHIBA style bay**.

USB BOARD REMOVAL

M2x4 black screws
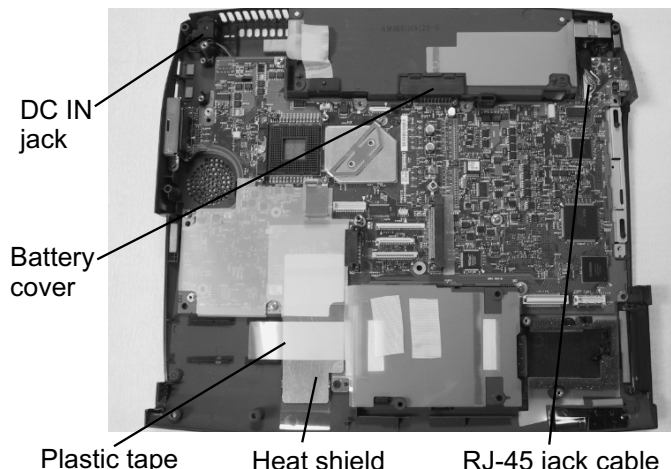
PJ6200

USB board   USB I/F harness

1. Disconnect the **USB I/F harness** from **PJ6200** on the system board.
2. Remove **two M2x4 black screws** securing the USB board.
3. Lift out the **USB board**.

SYSTEM BOARD REMOVAL

DC IN jack

Battery cover

Plastic tape   Heat shield   RJ-45 jack cable

1. Peel off the **plastic tape** securing the HDD FPC and lift out the heat shield.
2. Disconnect the **RJ-45 jack cable** from **PJ108** on the system board and detach the **DC IN jack** from its slot.
4. Release two latches securing the battery cover and remove the **cover**.

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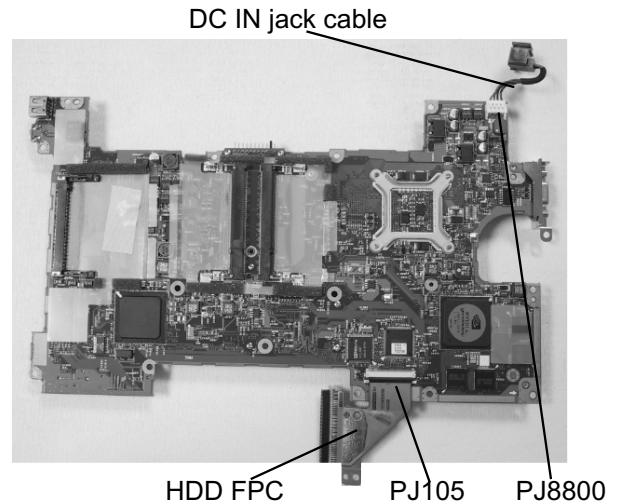
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SYSTEM BOARD REMOVAL

DC-IN harness

PJ8820
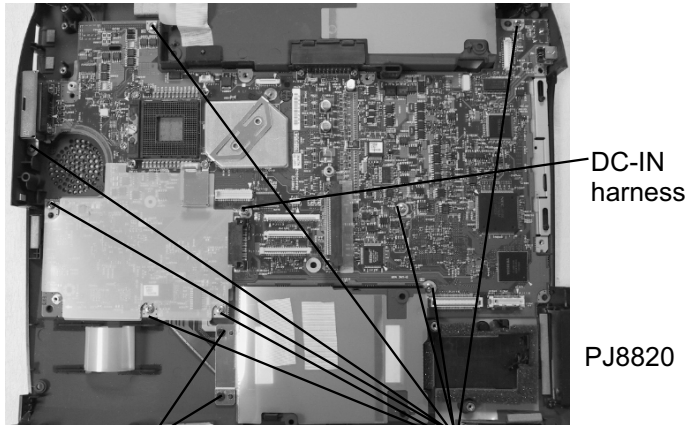
M2.5x2.8 black flat head screws   M2.5x4 brass screws

5. Remove the Following eleven screws:
   - **8 M2.5x4 brass screws**
   - **2 M2.5x2.8 black flat head screws**
   - **1 M2.5x14 stud screw**
6. Lift out the **system board** from the left side.

DC IN jack cable

HDD FPC   PJ105   PJ8800

7. Turn the **system board** upside down.
8. Remove the **HDD FPC** from **PJ105** on the system board.
9. Disconnect the **DC IN jack cable** from **PJ8800** on the system board.

SD CARD BOARD REMOVAL

Plastic insulator

SD card board

Sub LCD backlight I/F cable
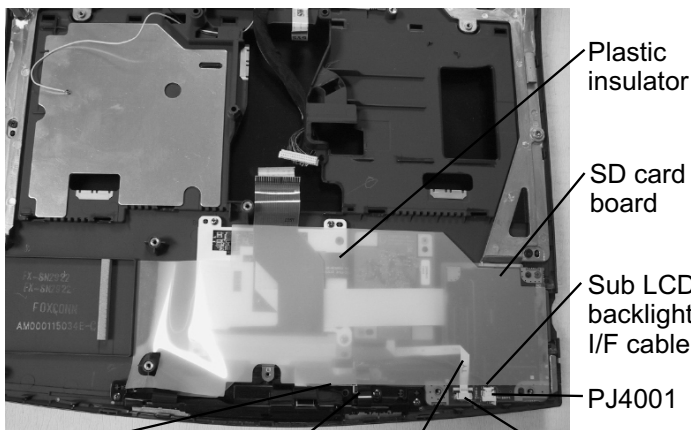
PJ4001

Sub LCD I/F cable   PJ4002   PAD I/F cable   PJ4003

1. Peel off the **plastic insulator** covering the SD card board.
2. Disconnect the **sub LCD back light I/F cable** from **PJ4001,** the **sub LCD I/F cable** from **PJ4002** and the **PAD I/F cable** from **PJ4003**.
3. Remove **two M2x4 brass screw** securing the SD card board.
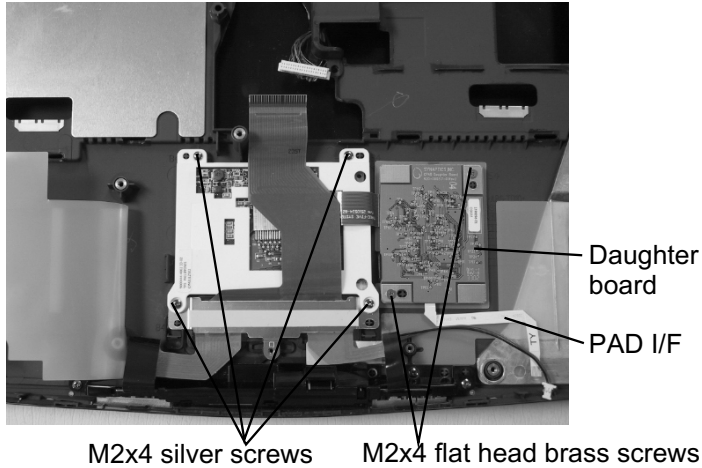4. Lift out the **SD card board**.

SD card board

PJ4000   SD card board I/F cable
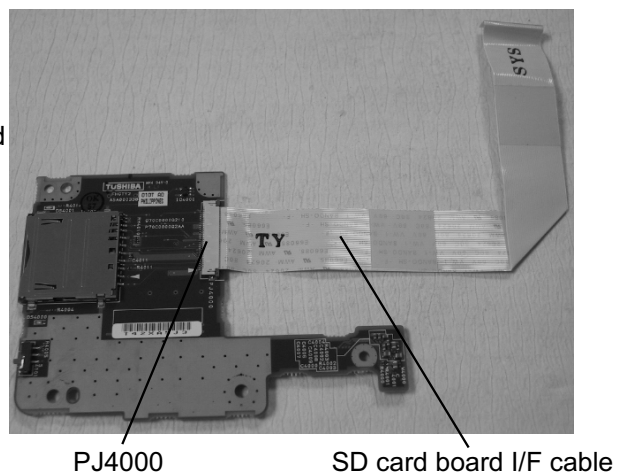
5. Disconnect the **SD Card board I/F cable** from **PJ4000** on the SD card board.

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cPAD AND SUB LCD REMOVAL

Daughter board

PAD I/F

M2x4 silver screws

M2x4 flat head brass screws

1. Remove **four M2x4 silver screws** securing the cPAD.
2. Remove **two M2x4 flat head brass screws** securing the cPAD daughter board.
3. Lift out the **cPAD** and **daughter board**.

CPAD daughter board I/F cable

PJ2

PJ3

PAD I/F cable   Daughter board   CPAD
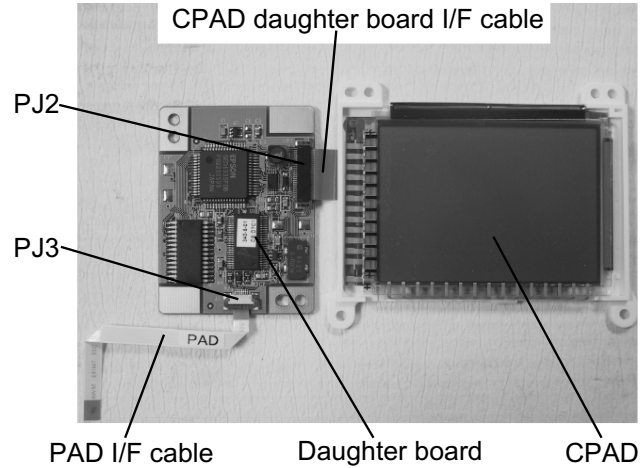
4. Disconnect the **cPAD daughter board I/F cable** from **J2** and the **PAD I/F cable** from **J3** on the cPAD daughter board.

CD CONTROL/SUB LCD REMOVAL

Plastic holder
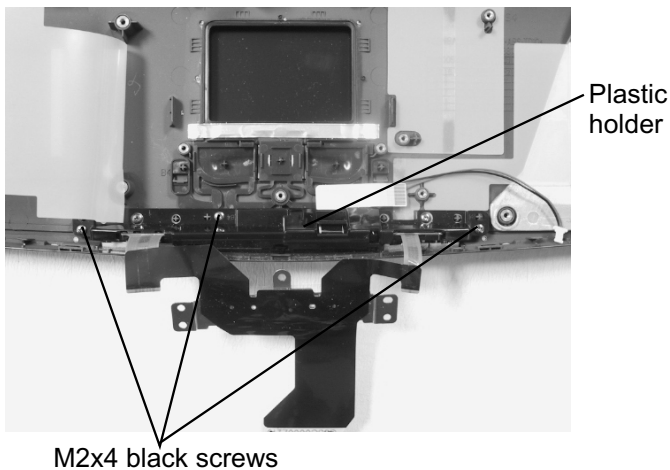
M2x4 black screws

5. Flip over the **membrane cable**.
6. Remove **three M2x4 black screws** securing the plastic holder.
7. Lift out the **plastic holder**.

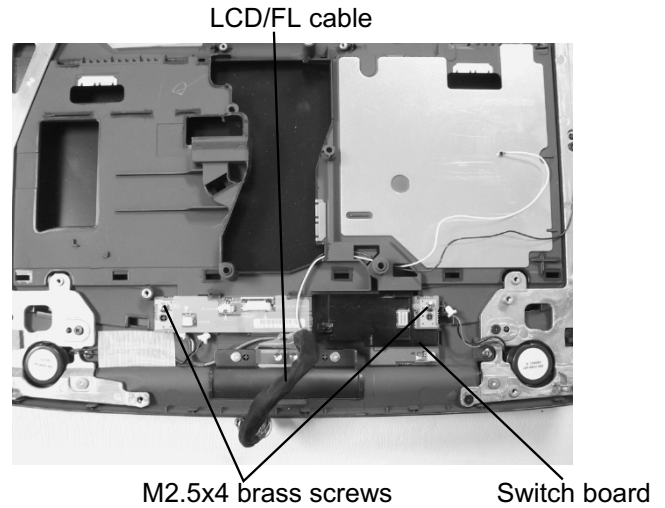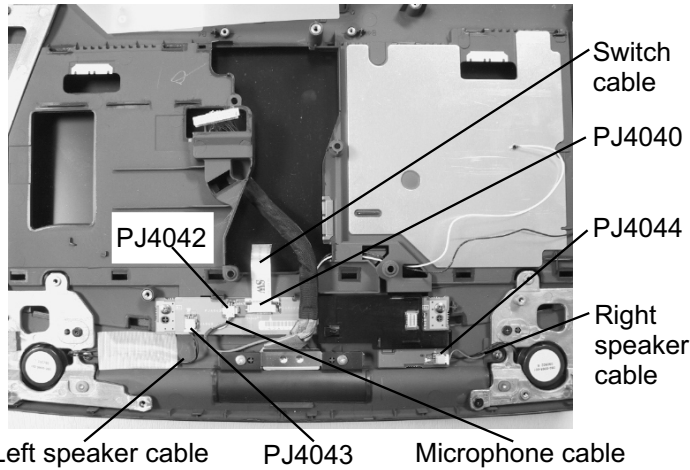Membrane assy   Sub LCD
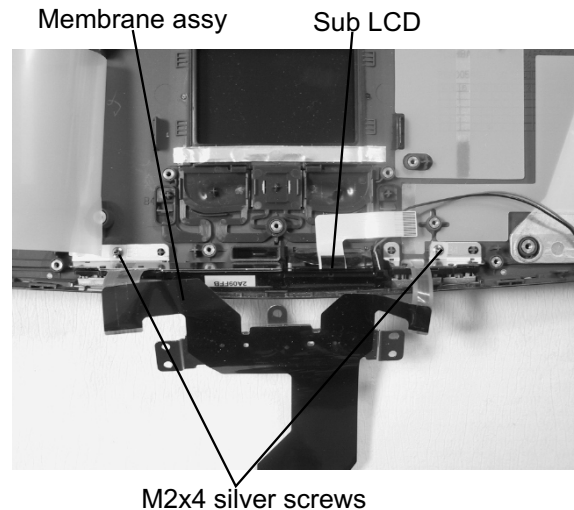
M2x4 silver screws

8. Remove **two M2x4 silver screws** securing the membrane assembly.
9. Lift out the **membrane assembly** and **SUB LCD**.

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SWITCH BOARD REMOVAL

Switch cable
PJ4040
PJ4044
Right speaker cable
PJ4042
Left speaker cable   PJ4043   Microphone cable

1. Disconnect the following cables from the switch board:
   - **Switch cable** from **PJ4040**
   - **Internal microphone cable** from **PJ4042**
   - **Left /Right speaker cable** from **PJ4043** and **PJ4044**

LCD/FL cable
M2.5x4 brass screws   Switch board

2. Pull out the **LCD/FL cable**.
3. Remove **two M2.5x4 brass screws** securing the switch board..
4. Lift out the **switch board.**

SPEAKERS REMOVAL

Glass tapes
M2x6 brass screws   Left and Right speakers
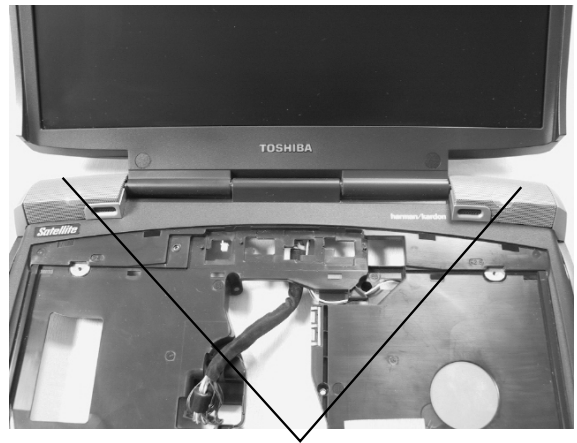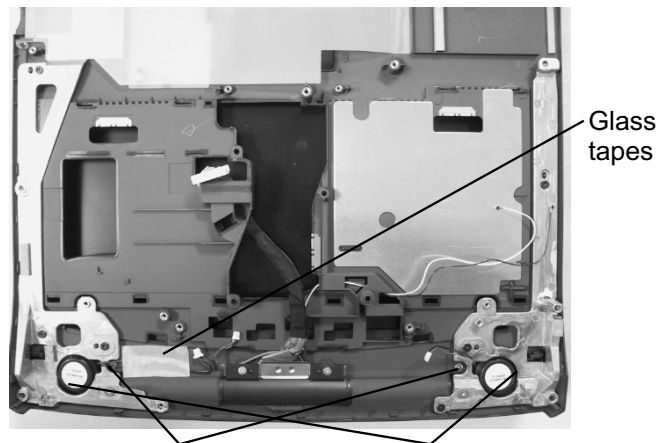
1. Peel off the **glass tape** securing the left speaker cable.
2. Remove **two M2.5x4 brass screws** securing the left and right speakers.

Left and Right speaker covers

3. Remove the **left** and **right speakers**.

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15" DISPLAY MASK REMOVAL
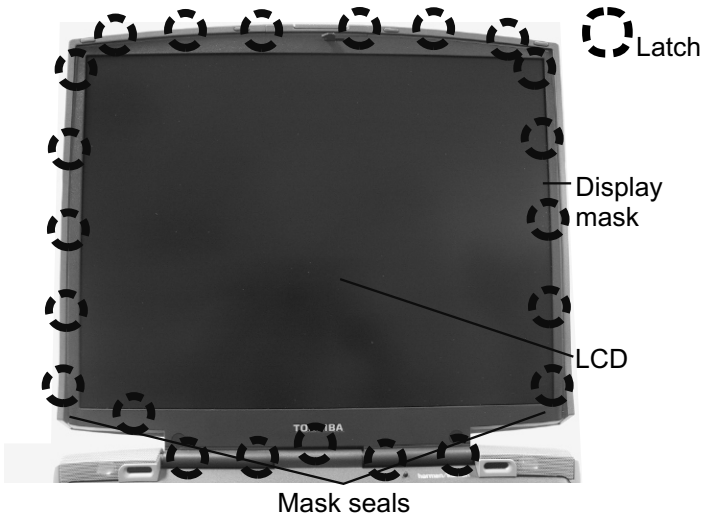
1. Remove **two mask seals** at the bottom corners of the display assembly using a pair of fine-tipped tweezers.
2. Remove **two M2.5x6 flat head brack screws** securing the display mask.
3. There are **22 latches** securing the **display mask**. Carefully insert your fingers between the mask and the LCD panel and pry open the latches starting from the **bottom six latches**, to the **five latches on the right and left sides**, ending with the **six toplatches**.

FL INVERTER AND 15" LCD REMOVAL
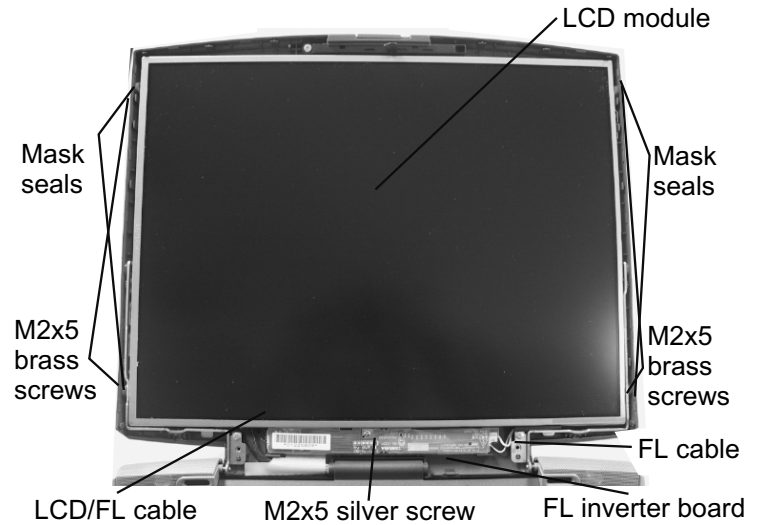
1. Remove **one M2x5 silver screw** securing the FL inverter board.
2. Carefully lift up the **FL inverter board** and disconnect the **LCD/FL cable** from **CN1** and the **FL cable** from **CN2**.
3. Remove **four mask seals** to expose four screws securing the LCD module assembly.
4. Remove **four M2X5 silver screws** securing the LCD module.
5. Carefully rotate out the top of the **LCD module** enough to access the display cable
6. Peel off the tape securing the LCD/FL cable and disconnect the cable.

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