FIELD REPLACEABLE UNIT DOCUMENTATION

Satellite™

1700 Series

GENERAL INFORMATION

**Tools Required for Proper
Disassembly and Reassembly:**
1. **Phillips Screwdriver (Size 1)**
2. **Flat head screwdriver (5mm)**
3. **Hex driver (5mm)**
4. **Case Separator**
5. **ESD Wrist Strap**
6. **ESD mats**
7. **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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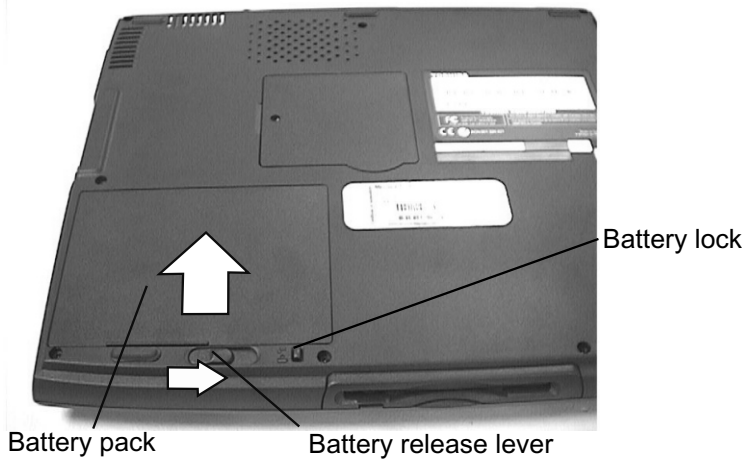## Satellite™
1700Series

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BATTERY PACK REMOVAL

Battery lock

Battery pack   Battery release lever

1. Turn the computer upside down as shown.
2. Press the **battery lock** and slide the
   battery release lever to the right and lift out the battery.

OPTIONAL PC CARD REMOVAL

Eject button   PC card

1. Pull out the **eject button** of the PC card to be removed.
2. Press the **eject button** and remove the **PC card**.

NOTE: Before removing any PCMCIA device, make sure it is "STOPPED" in the PC Card Manager.

MEMORY MODULE REMOVAL

M2x4 black screws

Memory cover

Memory module
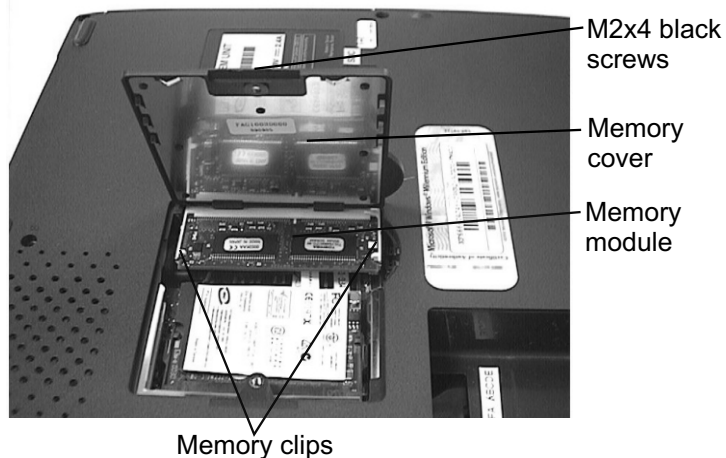
Memory clips

1. Turn the computer upside down.
2. Remove **two M2x4 black screws** and remove the **memory cover**.
3. Push the **memory clips** outward and pull the **memory module** out of the connector on a 30 degree angle.

KEYBOARD REMOVAL

Latch

M2.5x3 black screws
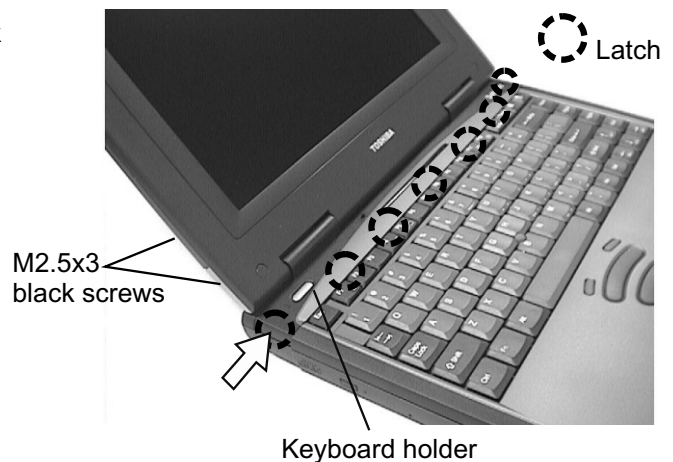
Keyboard holder

1. Open the display panel.
2. Remove **two M2.5x3 black screws** securing the keyboard holder.
3. Unlatch the **keyboard holder** at the top of keyboard starting from the left side.
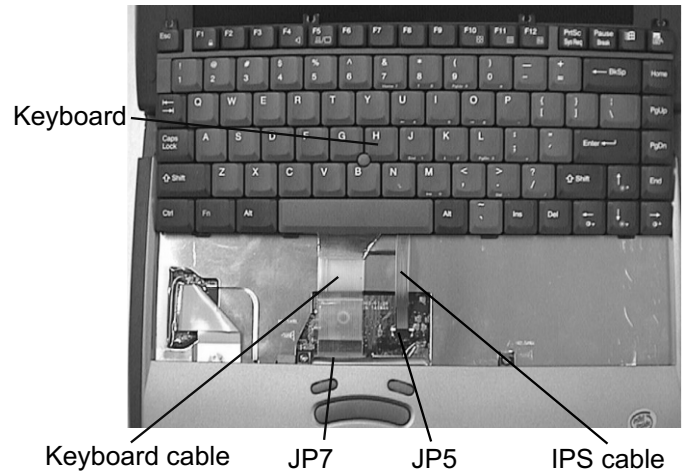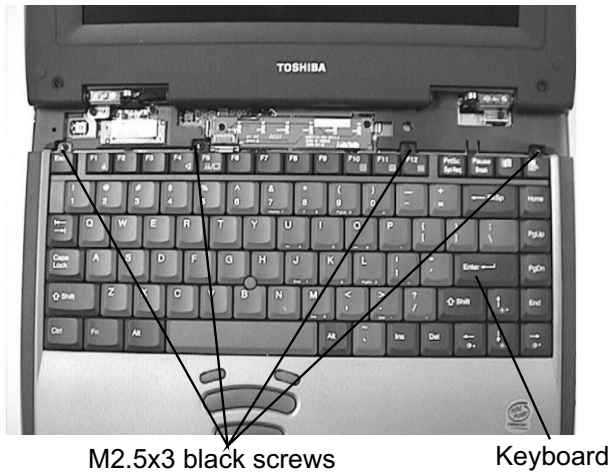
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KEYBOARD REMOVAL

M2.5x3 black screws   Keyboard

Keyboard

Keyboard cable   JP7   JP5   IPS cable
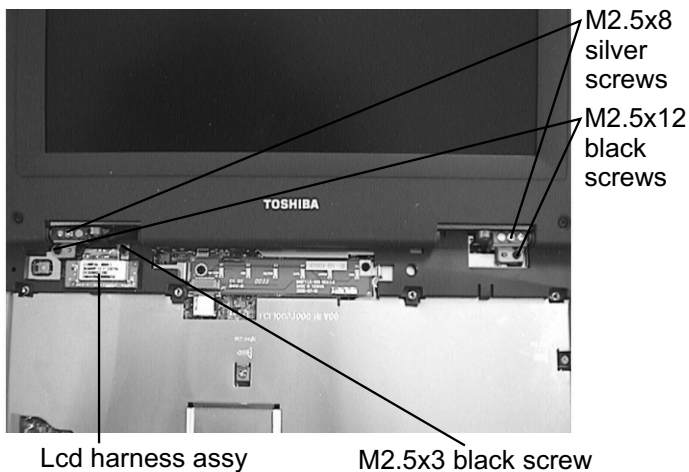
4. Remove **four M2x4 black screws** securing the keyboard.

5. Set the **keyboard** as shown above.
6. Disconnect the **keyboard cable** from **JP7** and **IPS cable** from **JP5**.
7. Lift out the **keyboard**.

TOP COVER REMOVAL

M2.5x8 silver screws

M2.5x12 black screws

M2.5x10 black screw

M2.5x18 black screws

Lcd harness assy   M2.5x3 black screw

1. Remove **two M2.5x8 silver screws** and **M2.5x12 black screws** securing the LCD assembly.
2. Remove **one M2.5x3 black screw** securing the LCD harness assembly.
3. Disconnect the **LCD harness assembly** from the system board.
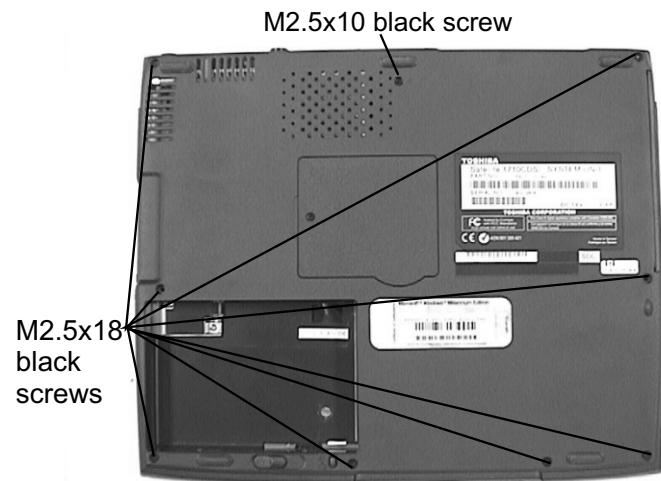
4. Remove **eight M2.5x18 black screws** and **one M2.5x10 black screw** securing the bottom cover.
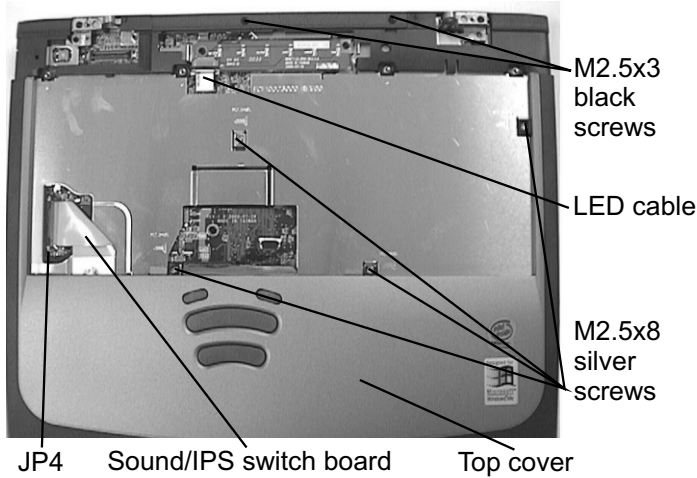
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TOP COVER REMOVAL

M2.5x3 black screws

LED cable

M2.5x8 silver screws

JP4   Sound/IPS switch board   Top cover
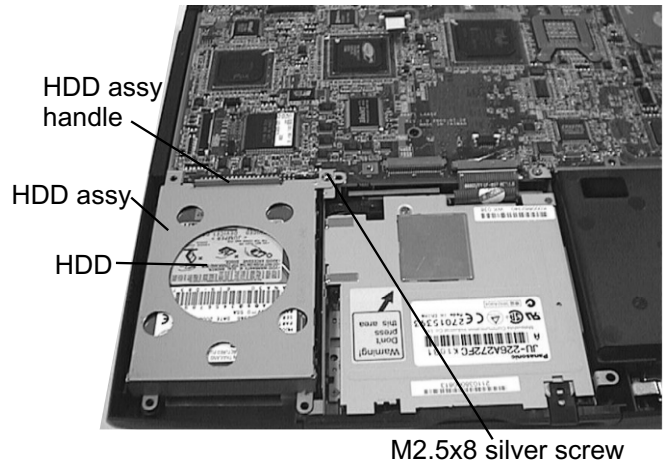
5. Disconnect the **sound/IPS switch board** from JP4 on the system board.
6. Disconnect the **LED board cable** from the LED board.
7. Remove **four M2.5x8 silver screws** and **two M2.5x3 black screw** securing the top cover assembly.
8 Remove the top cover.

HDD REMOVAL

HDD assy handle

HDD assy

HDD

M2.5x8 silver screw

1. Remove **one M2.5x8 silver screw** securing the HDD assembly.
2. Grasp the **HDD assembly handle** and pull it in the direction of the arrow.
3. Lift out the **HDD assembly**.

HDD REMOVAL

M2.5x4 silver screws

HDD bracket

HDD
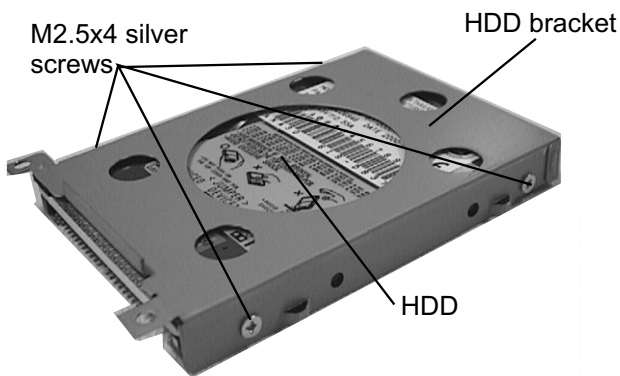
4. Remove **four M2.5x3 silver screws** securing the HDD bracket.
5. Remove the **HDD** from the **HDD bracket**.

FDD REMOVAL

JP6

FDD cable

M2.5x8 silver screw
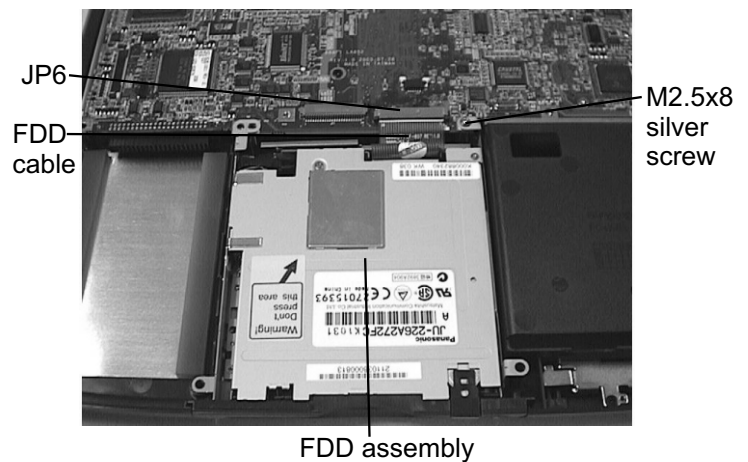
FDD assembly

1. Remove **one M2.5x8 silver screw** securing the FDD assembly.
2. Disconnect the **FDD cable** from **JP6**.
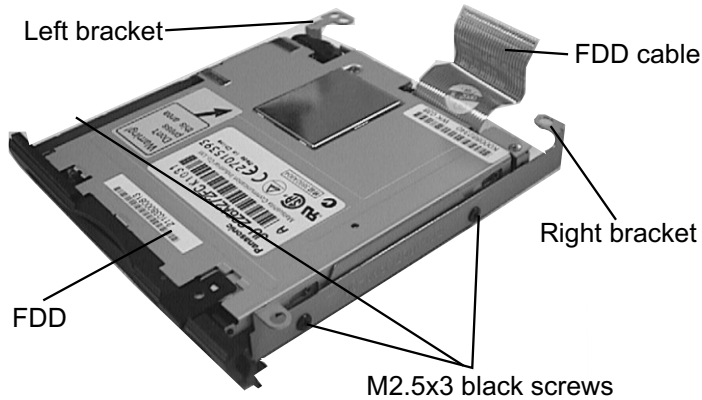3. Lift out the **FDD assembly**.

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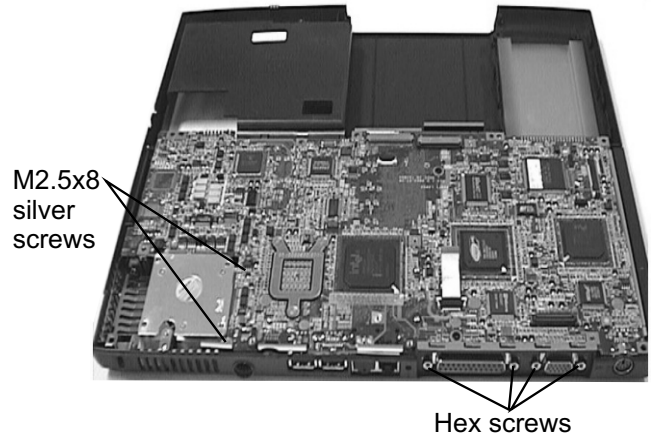## Tough Enough for Today's World

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FDD REMOVAL

Left bracket
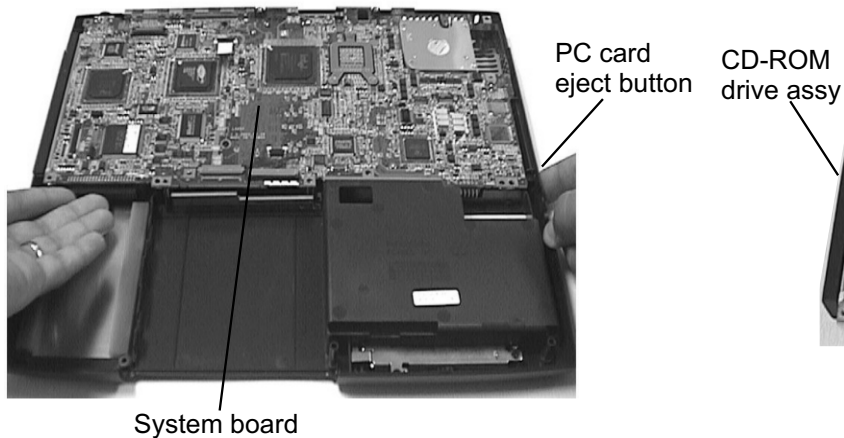
FDD cable

Right bracket

FDD

M2.5x3 black screws

1. Remove **three M2.5x3 black screws** securing the left and right brackets.
2. Lift out the **FDD** and remove the **FDD cable**.

SYSTEM BOARD REMOVAL

M2.5x8 silver screws

Hex screws

1. Remove **four hex screws** at the rear of the computer.
2. Remove **two M2.5x8 silver screws** near the cooling module.

SYSTEM BOARD REMOVAL

PC card eject button

System board

3. Push the **PC Card eject button** and lift out the system board as shown above.

CD-ROM DRIVE REMOVAL

CD-ROM drive assy
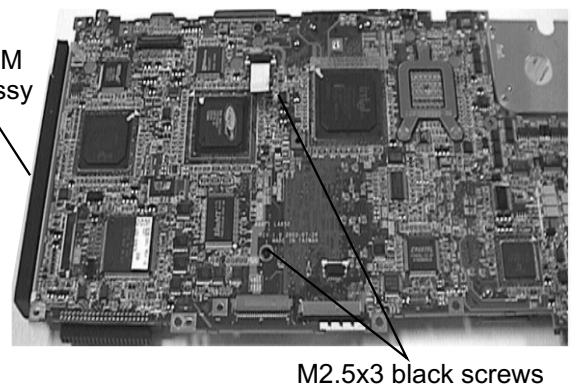
M2.5x3 black screws

1. Remove **two M2.5x3 black screws** securing the CD-ROM drive assembly.
2. Slide the **CD-ROM drive assembly** to the left to disconnect from system board.
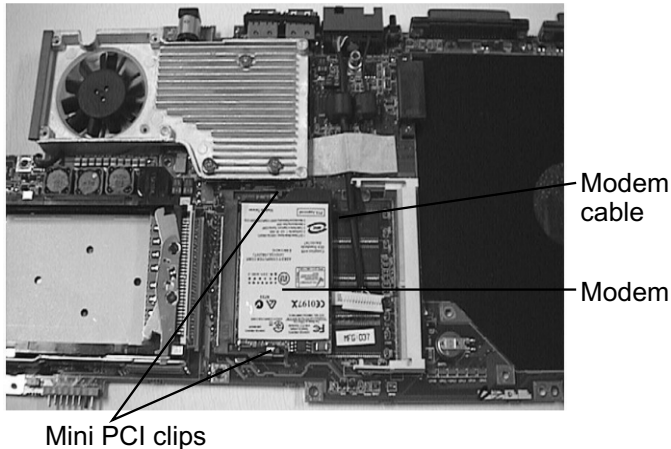3. Remove all the CD-ROM brackets.

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MODEM MODULE REMOVAL


Modem cable

Modem

Mini PCI clips

1. Disconnect the **modem cable** from the modem board.
2. Spread the **mini PCI clips** securing the modem board and remove **the modem board** on a 30 degree angle.

COOLING MODULE REMOVAL

Cooling module

Fan cable
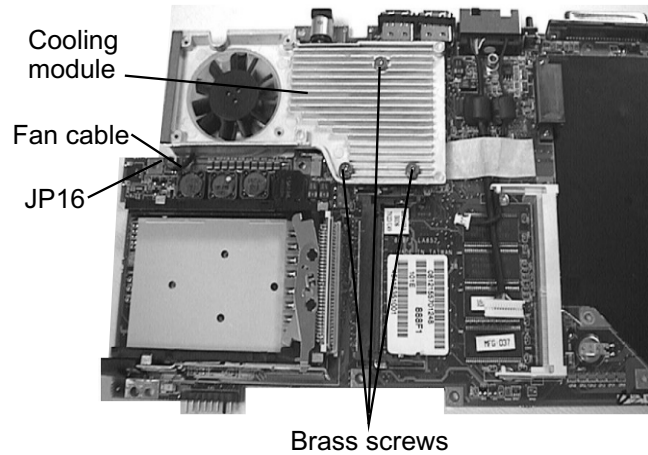
JP16

Brass screws

1. Disconnect the **fan cable** from **JP16** on the system board.
2. Remove **three brass screws** securing the cooling module.
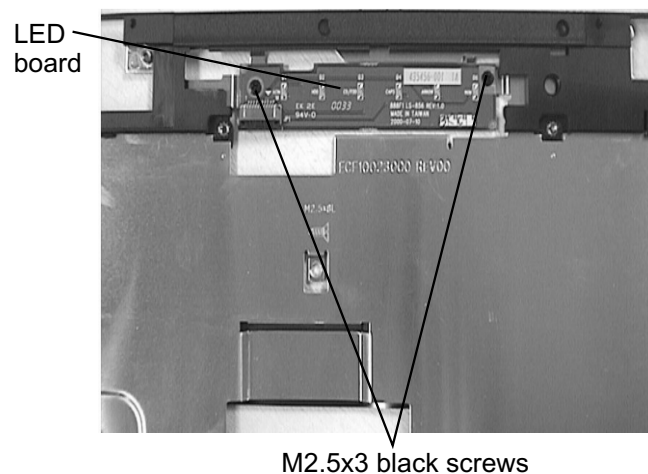3. Lift out the **cooling module**.

CPU REMOVAL

Open
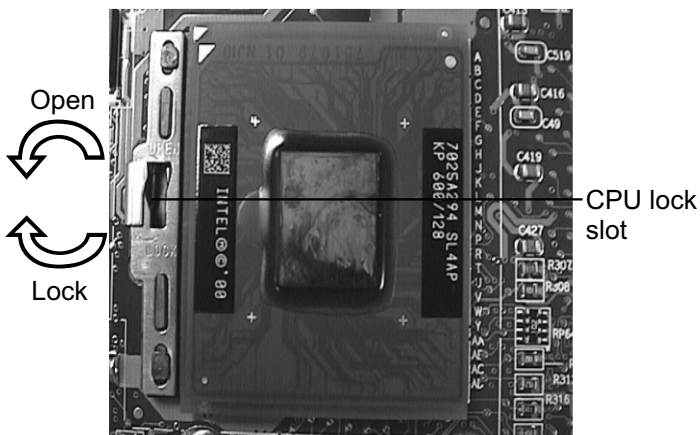
Lock

CPU lock slot

1. Using a 5mm flat head screw driver, insert the screwdriver into the CPU lock slot and turn it counterclockwise.

NOTE: In order to properly lock the CPU, a 5mm flat head screwdriver must be used.

LED BOARD REMOVAL

LED board

M2.5x3 black screws

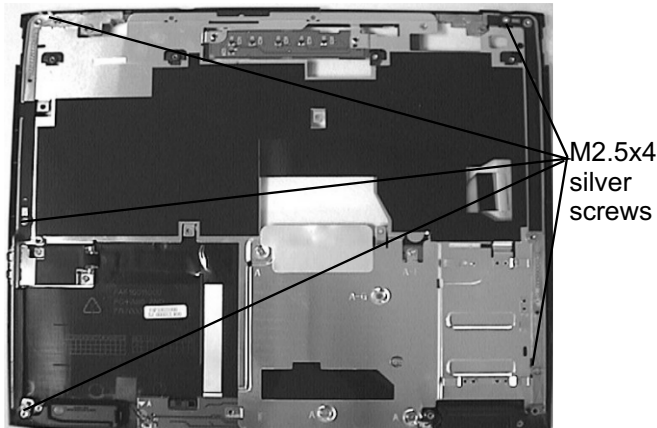1. Remove **two M2.5x3 black screws** securing the LED board.
2. Lift out the **LED board**.

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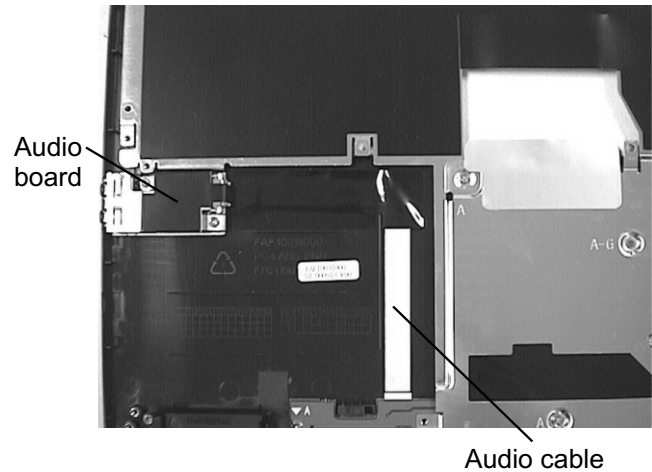## Tough Enough for Today's World

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HINGE BRACKET REMOVAL

M2.5x4 silver screws

1. Remove **five M2.5x4 silver screws** securing hinge bracket.
2. Lift out the **hinge bracket**.

AUDIO BOARD REMOVAL

Audio board

Audio cable

1. Disconnect the **audio cable** from the audio board.
2. Remove **two M2.5x4 silver screws** securing the audio board.
3. Lift out the **Audio board**.

AUDIO/MEMBRANE SWITCH REMOVAL

M2.5x4 silver screws
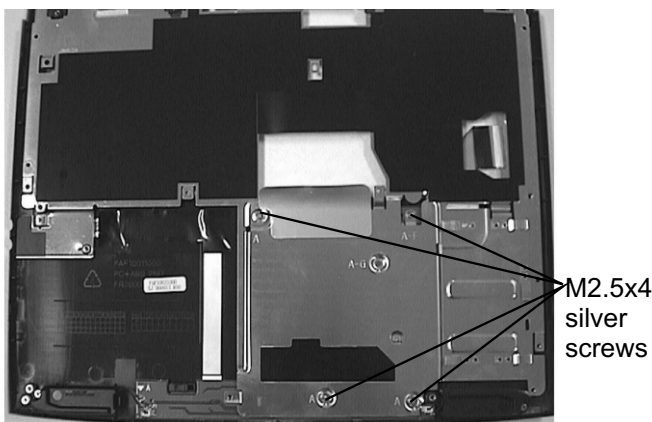
1. Remove **four M2.5x4 silver screws** securing the metal plate.
2. Lift out the **metal plate**

Audio/membrane switch cable

Audio cable

M2.5x4 silver screws

Left speaker   JP3   JP4   Right speaker
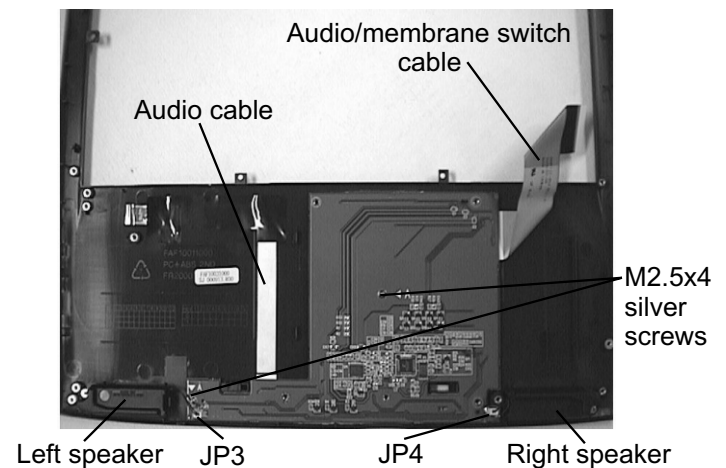
1. Remove **two M2.5x4 silver screws** securing the audio/membrane switch board.
2. Disconnect the **left** and **right speakers** from **JP3** and **JP4**.
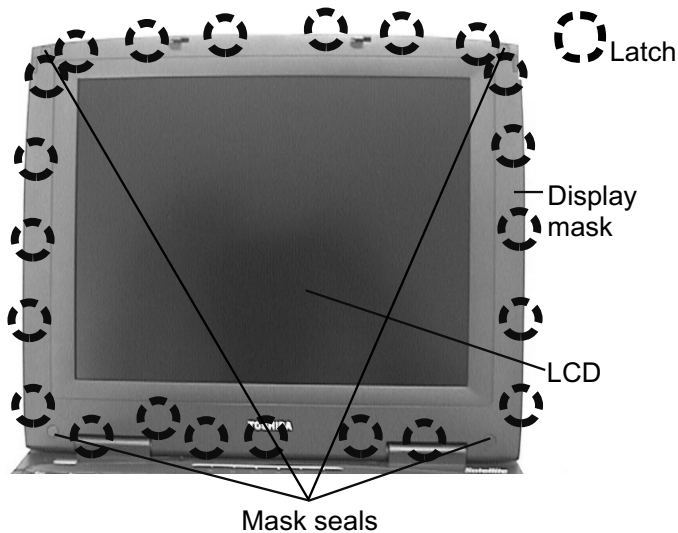3. Disconnect the **audio** and the **audio/membrane switch cables**.

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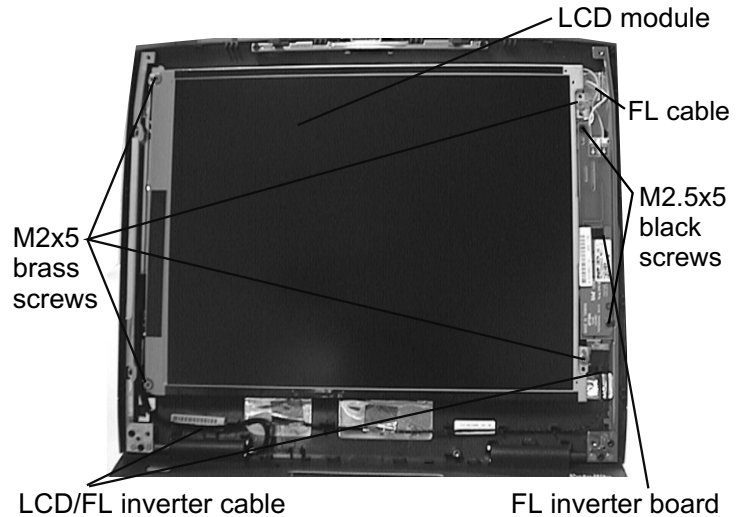## Tough Enough for Today's World

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12.1" DISPLAY MASK REMOVAL

Latch

Display mask

LCD

Mask seals

1. Remove **four mask seals** at each corner of the display assembly.
2. Remove **four M2.5x5 brass screws** securing the display mask.
3. There are **22 latches** securing the **display mask**. Carefully insert your fingers between the **display mask** and the **LCD module** and pry open the latches starting from the **top six latches**, to the **five latches on the right and left sides**, ending with the **six bottom latches**.

FL INVERTER AND 12.1" LCD REMOVAL

LCD module

FL cable

M2.5x5 black screws

M2x5 brass screws

LCD/FL inverter cable

FL inverter board

1. Remove **two M2.5x5 black screw** securing FL inverter board.
2. Carefully lift up the **FL inverter board** and disconnect the **LCD/FL inverter cable** from **CN1** and the **FL cable** from **CN2**.
3. Remove **four M3X6 brass screws** securing the **LCD module**.
4. Carefully rotate the **LCD module** from right to left of the LCD cover.
5. Disconnect the **LCD/FL inverter cable** from the LCD module and remove the **LCD** from the computer.
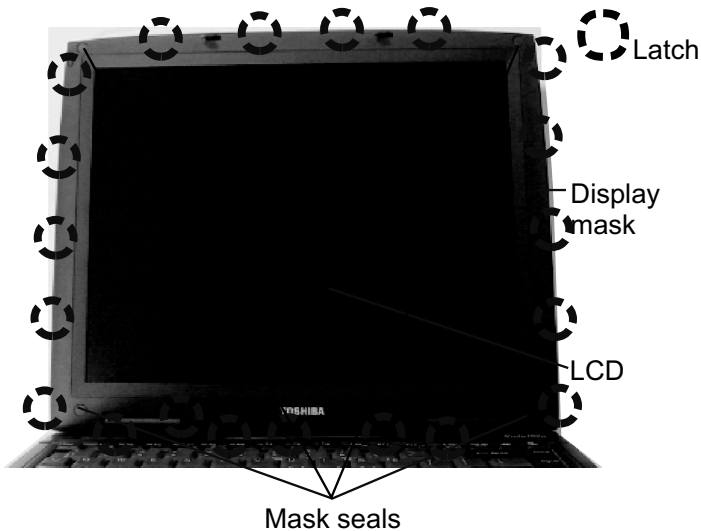
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13.3" DISPLAY MASK REMOVAL

Latch

Display mask

LCD

Mask seals

1. Remove **four mask seals** at each corner of the display assembly.
2. Remove **four M2.5x5 black screws** securing the display mask.
3. There are **22 latches** securing the **display mask**. Carefully insert your fingers between the **display mask** and the **LCD module** and pry open the latches starting from the **top six latches**, to the **five latches on the right and left sides**, ending with the **six bottom latches**.

FL INVERTER AND 13.3"LCD REMOVAL

LCD module

FL cable

M2.5x5 black screws

M2x5 brass screws

LCD/FL inverter cable cable
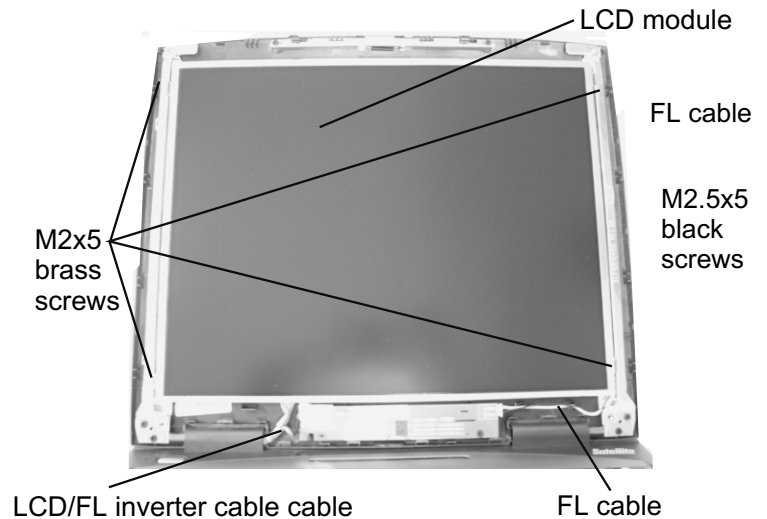
FL cable

1. Remove **one M2.5x5 black screw** securing FL inverter board.
2. Carefully lift up the **FL inverter board** and disconnect the **LCD/FL inverter cable** from **CN1** and the **FL cable** from **CN2**.
3. Remove **four M2X2 black screws** securing the **LCD module**.
4. Carefully rotate the **LCD module** from right to left of the LCD cover.
5. Disconnect the **LCD/FL inverter cable** from the LCD module and remove the **LCD** from the computer.

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