FIELD REPLACEABLE UNIT DOCUMENTATION

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P2000 Series

Tools Required for Proper Disassembly and Reassembly:

1. Phillips Screwdriver (Size 0)
2. Flat head Screwdriver
3. Case Separator
4. ESD Wrist Strap
5. ESD mat
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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BATTERY PACK REMOVAL

Battery release lever
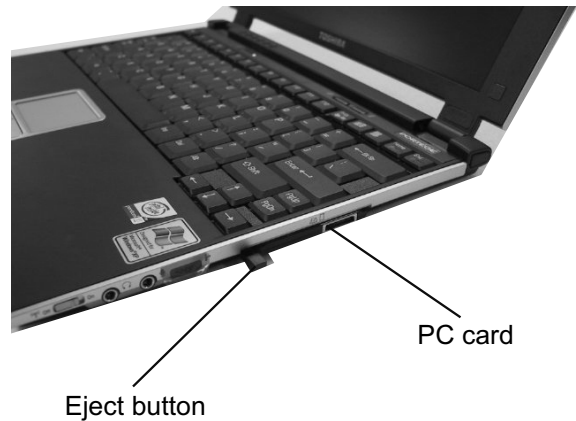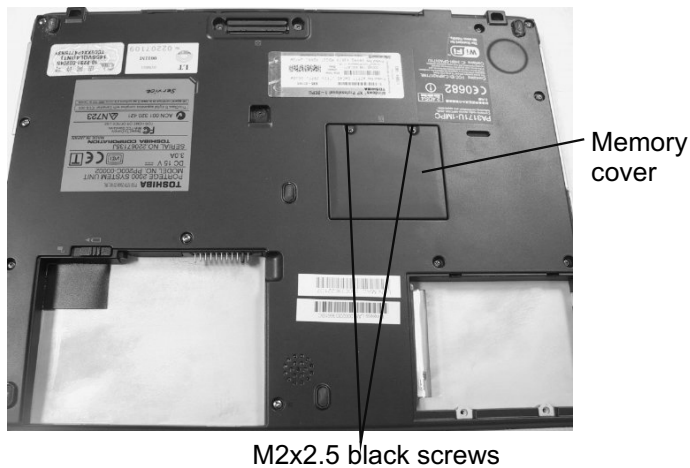
Battery Pack

1. Turn the computer upside down as shown.
2. Slide the **battery release lever** to the left to release the battery.
3. Lift out the **battery**.

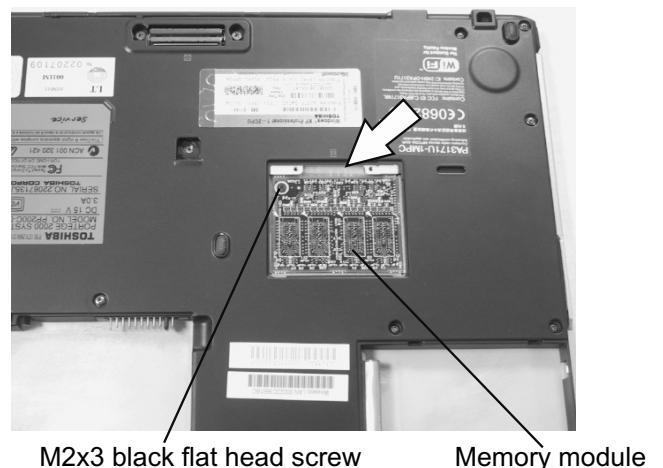## OPTIONAL PC CARD REMOVAL

PC card

Eject button

1. Press the **eject button** of the PCCard you want to remove.
2. Press the extended eject button to pop the **PC card** out.
3. Grasp the **PC card** and remove it.

Note: Before removing any PC Card device, make sure it is "STOPPED" in the PC Card manager.

MEMORY MEMORY REMOVAL

Memory cover

M2x2.5 black screws

1. Turn the computer upside down.
2. Remove **two M2x2.5 black screws** securing the **memory cover.**

M2x3 black flat head screw   Memory module

3. Remove **one M2x3 black flat head screw** securing the memory module.
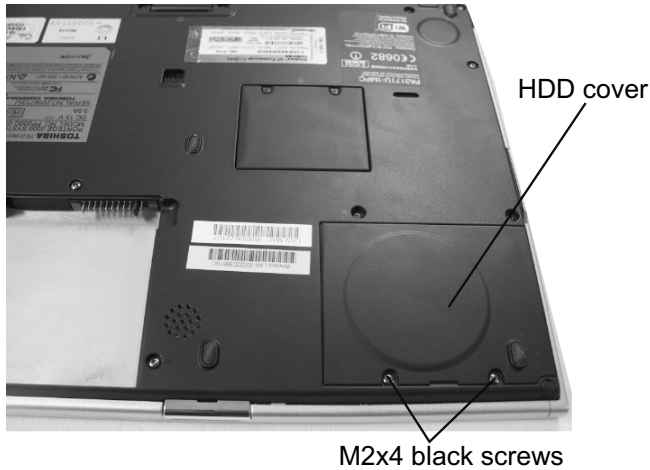4. Disconnect the **memory module** from the top side as shown by the arrow above.

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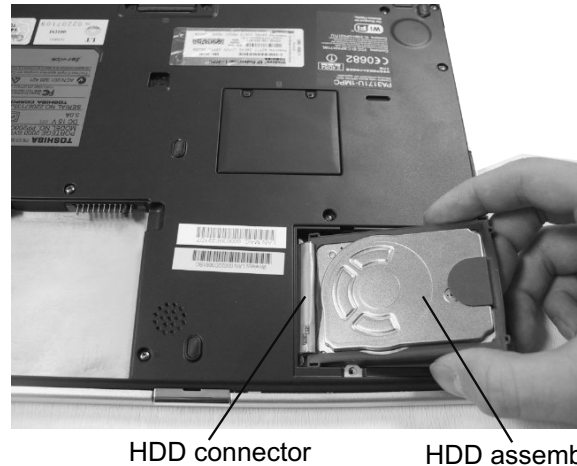## Tough Enough for Today's World.

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HDD REMOVAL

HDD cover

M2x4 black screws

1. Turn the computer upside down.
2. Remove **two M2x4 black screws** securing the **HDD cover** and lift it out.

HDD connector   HDD assembly

3. Lift up the **rubber handle** and hold the HDD assembly as shown above.
4. Disconnect the **HDD assembly** from the HDD connector.

CAUTION: Be very careful not to press on the TOP or BOTTOM of the HDD. Pressure can destroy data or damage the drive.

HDD REMOVAL

HDD pad

HDD rubber holder

5. Remove the **HDD rubber holder** and the **HDD pad**.

KEYBOARD REMOVAL

M2x3 black flat head screw

1. Turn the computer upside down.
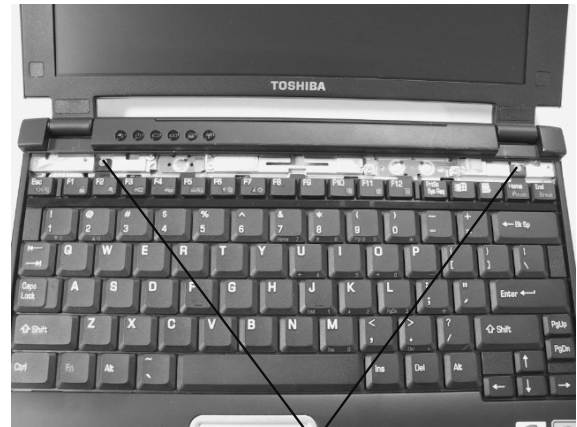2. Remove **one M2x3 black flat head screw** securing the keyboard.

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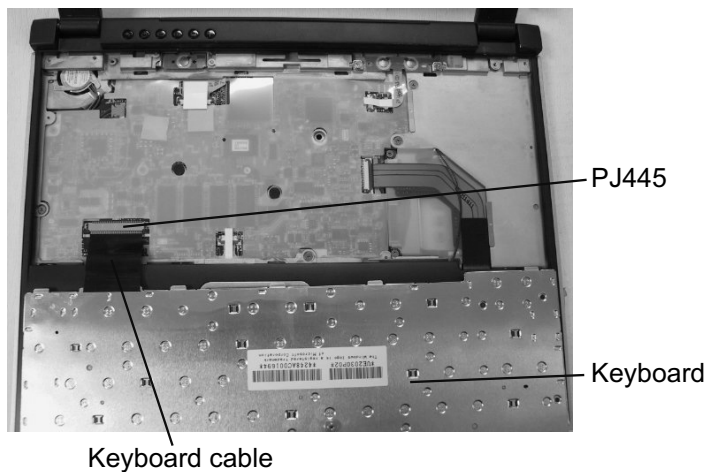
FIELD REPLACEABLE UNIT DOCUMENTATION
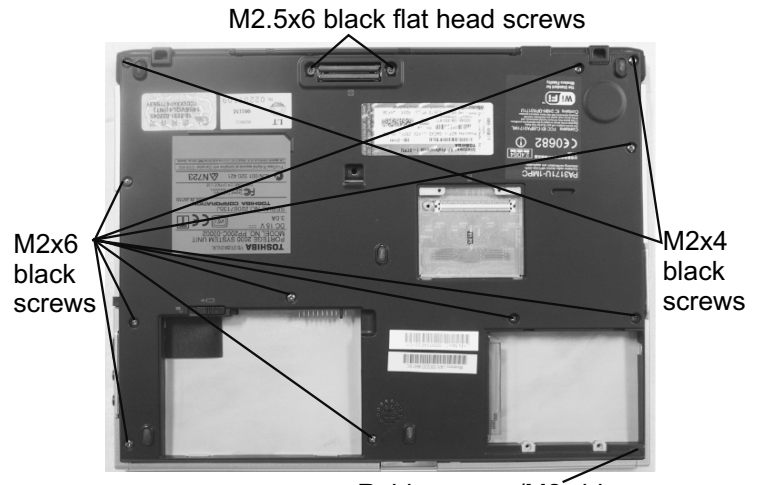
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KEYBOARD REMOVAL

Latch

Keyboard holder

3. Unlatch the **keyboard holder** at the top of the keyboard.

M2x3 silver flat head screws

4. Remove **two M2x3 silver flat head screws** securing the keyboard.
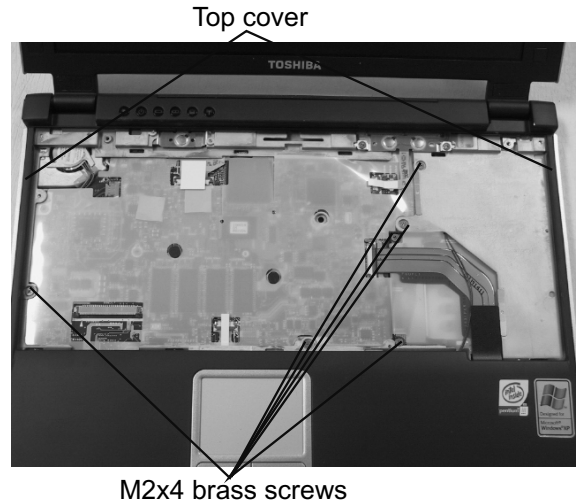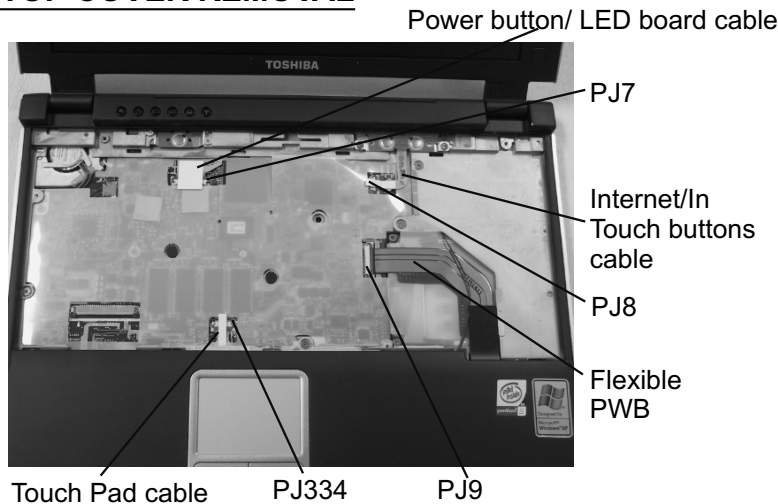
KEYBOARD REMOVAL

PJ445

Keyboard

Keyboard cable

5. Lift up the **keyboard** and lay it on the palm rest.
6. Disconnect the **keyboard cable** from **PJ445** and lift out the keyboard.

TOP COVER REMOVAL

M2.5x6 black flat head screws

M2x6 black screws

M2x4 black screws

Rubber cover/M2x4 brass screw

1. Turn the computer upside down.
2. Remove the rubber cover close to the HDD slot and remove one M2x4 brass screw.
2. Remove the following screws from the bottom cover:
   - **9 M2x6 black screws**
   - **2 M2.5x6 black flat head screws**
   - **2 M2x4 black screws and 1 M2x4 brass screw**

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TOP COVER REMOVAL

Power button/ LED board cable

PJ7

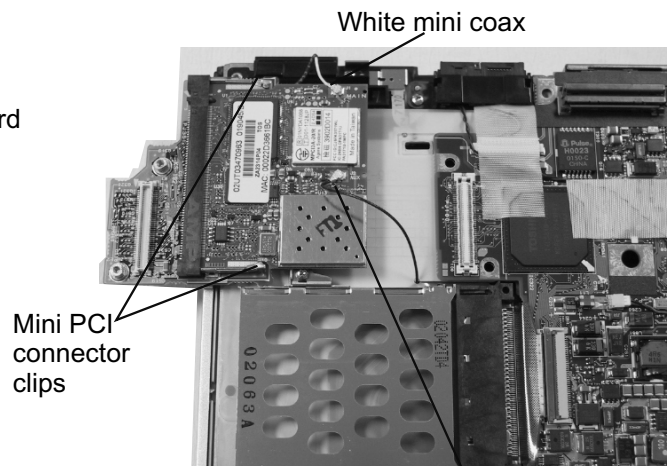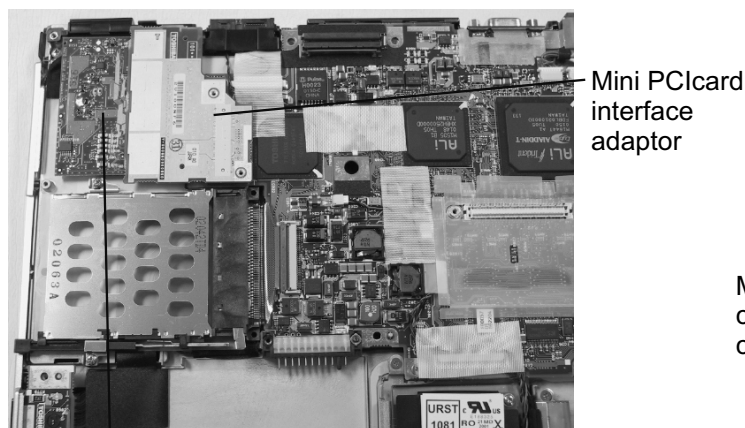Internet/In Touch buttons cable

PJ8

Flexible PWB

Touch Pad cable   PJ334   PJ9

3. Turn the computer right side up and open the display.
4. Disconnect the following cables by carefully lifting the lever using   from the PCB:
   - **Touch Pad cable from PJ334**
   - **Flexible PWB from PJ9**
   - **Internet/ In-Touch Buttons cable from PJ8**
   - **Power Button/ LED board cable from PJ7**

Top cover

M2x4 brass screws

5. Remove **six M2x4 brass screws** securing the top cover.
6. Separate the **top cover** from the bottom cover.

MINI PCI CARD REMOVAL

Mini PCIcard interface adaptor

Wireless LAN card

1. Disconnect the **Mini PCI card interface adaptor** from the system board.
2. Carefully lift up the Mini PCI card interface adaptor and turn it over as shown on the next picture.

White mini coax

Mini PCI connector clips

Black mini coax

3. Disconnect the **black** and **white mini coax** from the Mini PCI wireless LAN card.
4. Spread the **mini PCI connector clips** and pull the wireless LAN card out of the connector about 30 degrees.
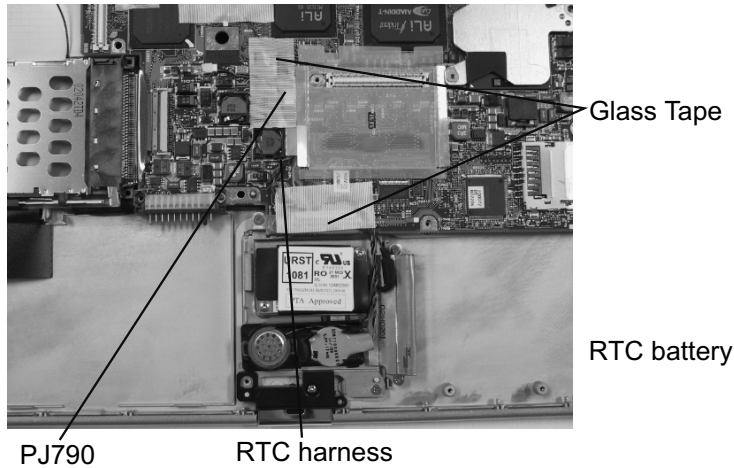
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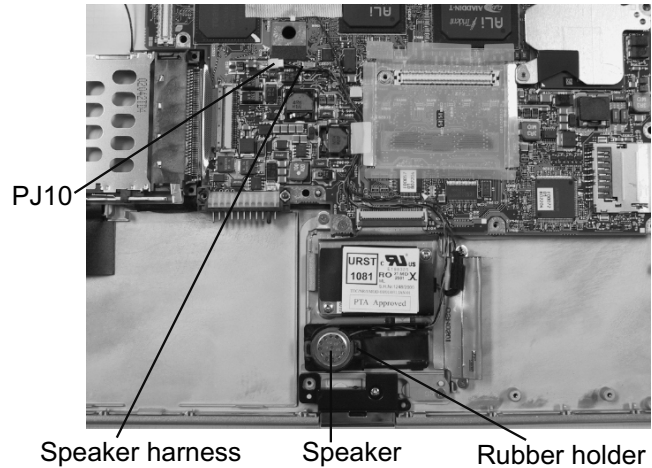
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RTC REMOVAL
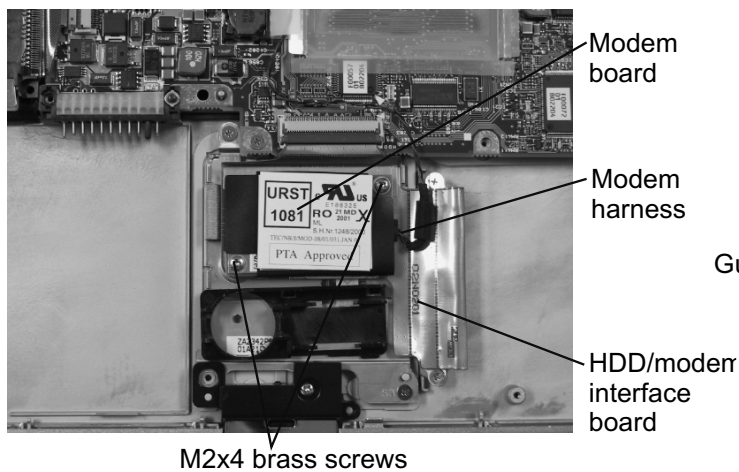
Glass Tape

RTC battery

PJ790   RTC harness

1. Peel off two strips of **glass tape s**ecuring the RTC cable.
2. Disconnect the **RTC harness** from **PJ790** and lift it out.

SPEAKER REMOVAL

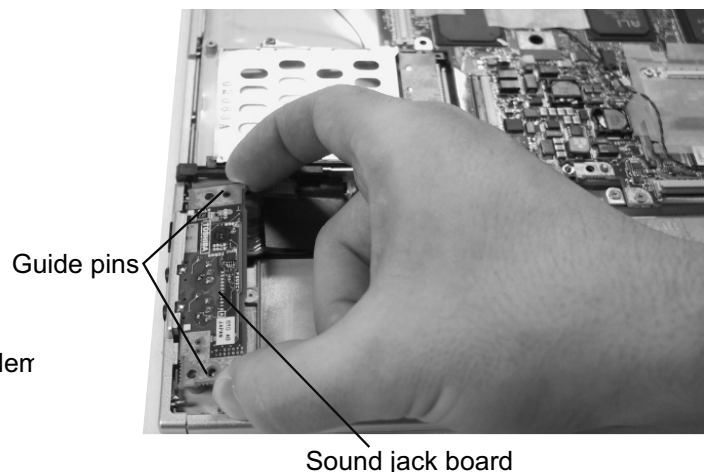PJ10

Speaker harness   Speaker   Rubber holder

1. Disconnect the **speaker harness** from **PJ10** on the system board.
2. Lift out the **speaker** and separate the **rubber holder**.

MODEM BOARD REMOVAL

Modem board

Modem harness

HDD/modem interface board

M2x4 brass screws

1. Disconnect the **modem harness** from the modem board.
2. Remove **two M2x4 brass screws** securing the modem board to the HDD/Modem interface board.
3. Disconnect the **modem board** from **PJ3** on the HDD/modem board
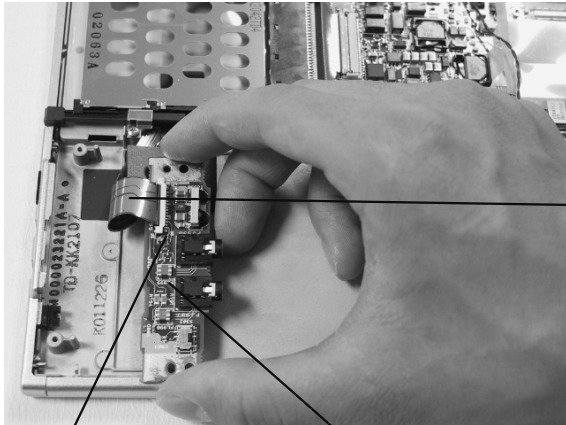
SOUND JACK BOARD REMOVAL

Guide pins

Sound jack board

1. Lift up the **sound jack board** to free it from the guide pins and pull it out.
2. Turn the board over as shown on the next picture.

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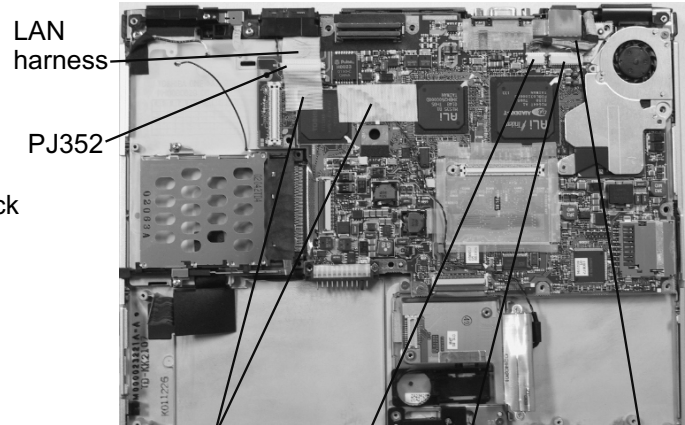
SOUND JACK BOARD REMOVAL

PJ999   Sound jack board   Sound jack cable

3. Disconnect the **sound jack cable** from **PJ999** on the sound jack board.
4. Lift out the **sound jack board**.

SYSTEM BOARD REMOVAL

LAN harness
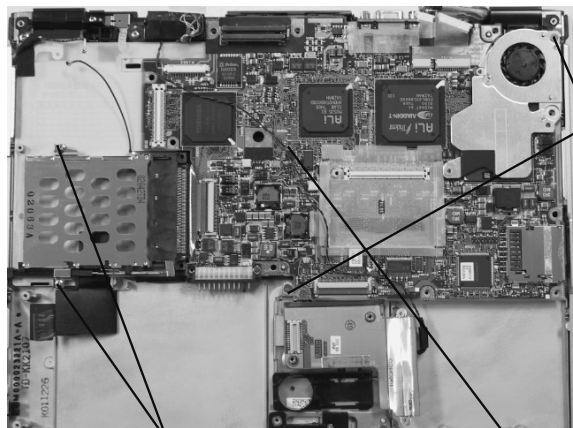
PJ352

Glass tape   PJ35   PJ34   LCD/FLharness

1. Peel off the **glass tapes** securing the modem harness and the LAN harness.
2. Disconnect the **LAN harness** from **PJ352** on the system board.
3. Disconnect the **LCD/FL harness** from **PJ34** and **PJ35** on the system board.

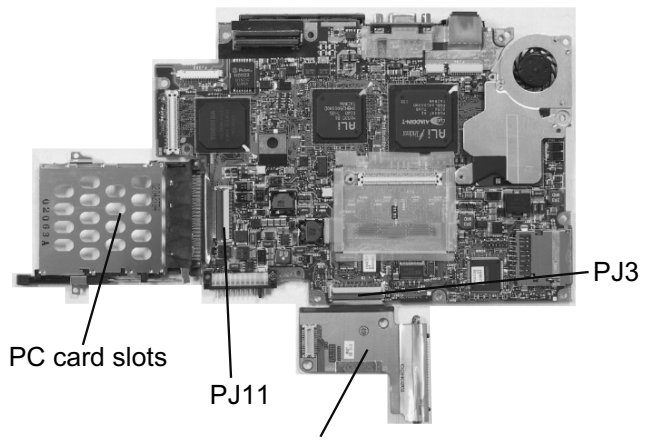## SYSTEM BOARD REMOVAL

M2x4 brass flat head screws

M2x4 brass flat head screws   System board

4. Remove **two M2x4 flat head brass screws** securing the system board.
5. Remove **two M2x4 brass screws** securing the PC card slots.
6. Lift out the system board.

PJ3

PC card slots

PJ11

HDD/modem interface cable

7. Disconnect the **PC card slots** from **PJ11** on the system board.
8. Disconnect the **HDD/modem interface cable** from **PJ3** on the system board.
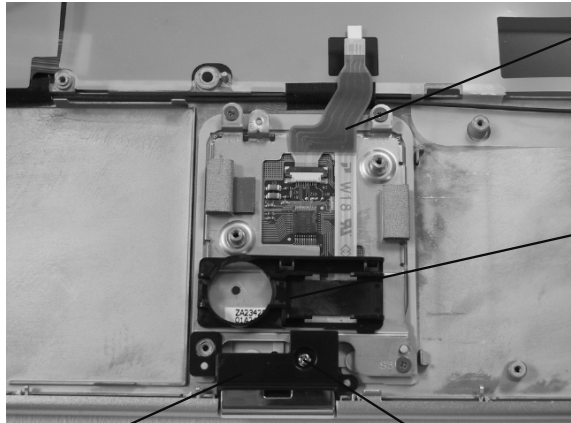9. Remove two cool sheets on the top side of the system board.

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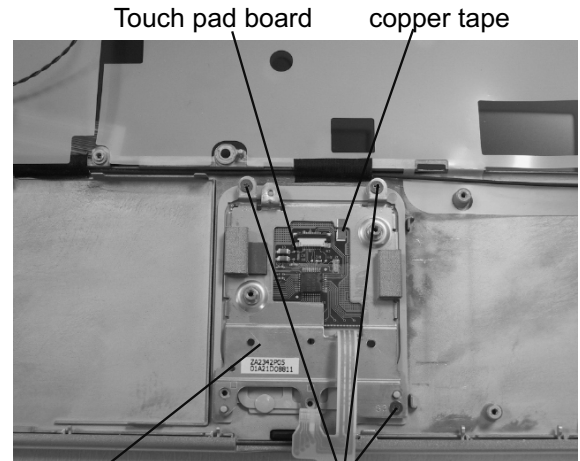
TOUCH PAD REMOVAL

Touc pad/ Membrane cable

RTC/ Speaker holder

LCD latch assy   M2x4 brass screws

1. Remove the **RTC/Speaker holder**.
2. Remove **one M2x4brass screw** securing the LCD latch assembly and lift it out.
3. Disconnect the **Touch pad/ Membrane cable** from the touch pad board.

Touch pad board   copper tape

Touch pad bracket   M2x3 silver flat head screws

1. Carefully peel off the **copper tape**.
2. Remove **four M2x3 silver flat head screws** securing the Touch pad assembly.
3. Lift out the **touch pad assembly**.
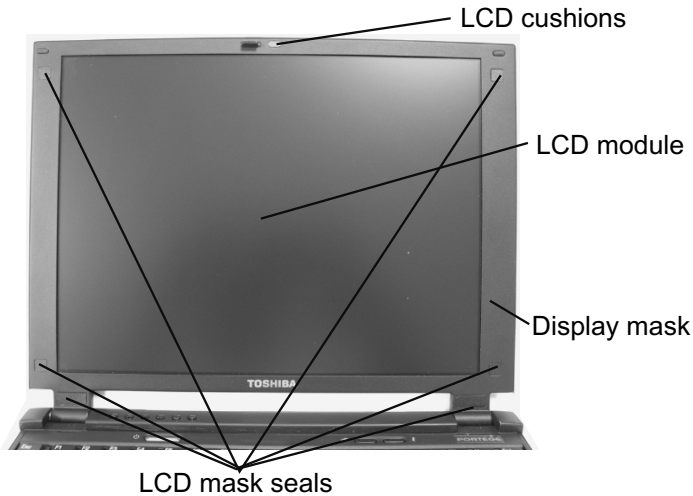4. Separate the **touch pad board** from the touch pad bracket.

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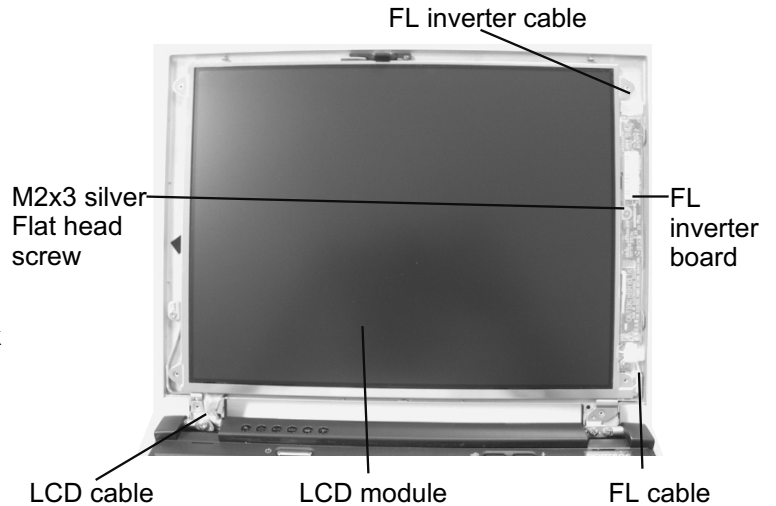
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DISPLAY MASK REMOVAL

LCD cushions

LCD module

Display mask

LCD mask seals

1. Remove **one LCD cushions** and **six LCD mask seals** using a pair of fine-tipped tweezers.
2. Remove **one M2x3 black flat head screw** and **six M2x3 silver flat head screws** securing the display mask.
3. Lift out the **display mask**.

FL INVERTER AND LCD REMOVAL

FL inverter cable

M2x3 silver Flat head screw

FL inverter board

LCD cable   LCD module   FL cable

1. Remove **one M2x3 silver flat head screw** securing the FL inverter board.
2. Lift up the **FL inverter board** and disconnect the **FL cable** from **CN2** and the **FL inverter cable** from **CN1**.
3. Carefully rotate out the top of the LCD module enough to access the LCD/FL cable..
4. Disconnect the **LCD/FL cable** and lift it out.

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