

Portege™

3010/3020CT

BATTERY PACK REMOVAL



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. Pull the **battery pack** slightly forward and lift it out.

OPTIONAL PCMCIA CARD REMOVAL

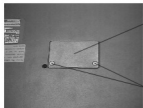


PC card

Eject Lever

1. Pull out the **eject lever** of the PC card to be removed.
2. Push the **eject lever** to remove the PC card.

EXPANSION MEMORY REMOVAL



Memory cover

M2x3 flat head black screws

1. Turn the computer upside down.
2. Remove **two M2x3 black screws** securing the **memory cover**.
3. Grasp both sides of the memory module and pull it out.

MEMBRANE/IPS SWITCH REMOVAL



M2x6 flat head black screws

M2x6 flat head black screws

1. Remove **six M2x6 flat head screws** securing the base cover.

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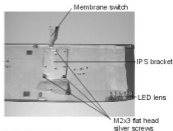
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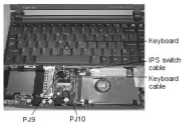
3010/3020CT

MEMBRANE/IPS SWITCH REMOVAL

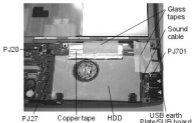
- Turn the computer right side up and lift up the **palm rest cover**.
- Release the **IPS cable** by unlocking the connector **PJ11** and remove the **palm rest cover**.



- Remove **LED lens**.
- Remove **three M2x3 flat head silver screws** securing the **IPS bracket**.
- Remove the **membrane switch** and the **IPS switch**.

KEYBOARD REMOVAL

- Release the lock of **PJ10** connector and pull out the **keyboard cable**.
- Release the lock of **PJ9** connector and pull out the **IPS switch cable**.
- Lift out the **keyboard**.

HDD/SUB BOARD REMOVAL

- Disconnected the sound cable from **PJ701**.
- Peel off the **glass tapes** and **copper tape** on the HDD and remove the mylar cable from **PJ20**.
- Remove **one M2x4 brass screw** securing the **USB earth plate / SUB board** and lift it out.
- Disconnected the **HDD** from **PJ27** and slide it out of the HDD insulator.

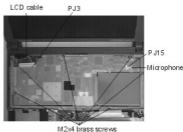
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DISPLAY ASSEMBLY REMOVAL

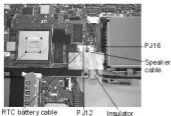


1. Remove **two M2x6 flat head black screws** securing the display assembly.



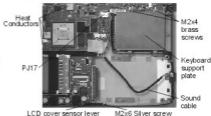
2. Disconnect the **microphone cable** from **P.J15** and **LCD cable** from **P.J3**.
3. Remove **six M2x4 brass screws** securing the display assembly.

RTC BATTERY REMOVAL



1. Disconnect the **speaker cable** from **P.J16**.
2. Disconnect the **RTC battery cable** from **P.J12**.
3. Remove the **insulator** and then the **RTC battery**.

SYSTEM BOARD REMOVAL



1. Remove **two M2x4 brass screws** securing the **keyboard support plate**.
2. Remove **sound cable** from **P.J17**.
2. Remove **one M2x6 silver screw** securing **LCD cover sensor lever** and lift out the system board.

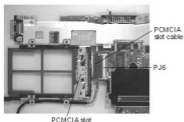
NOTE: The **Heat conductors** are separate parts. Please remove them before sending the board to TOSHIBA, and ensure that the **heat conductors** are installed back to the replacement board to prevent it from overheating.

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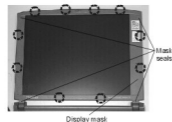
3010/3020CT

SYSTEM BOARD REMOVAL

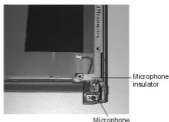
- Turn the system board upside down, release the lock of **PCMCIA slot cable** and disconnect it from **PJ6** on the system board.
- Disconnect the **PCMCIA slot** and remove it.

DISPLAY MASK REMOVAL

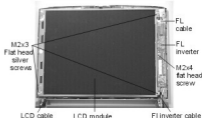
Latch



- Remove **four mask seals** using a pair of fine-tipped tweezers.
- Remove **two M2x5 flat head silver screws**(lower side) and **two M2x4 flat head brass screws**(upper side).
- There are **10 latches** securing the display mask. Carefully insert your fingers between the **display mask** and the **LCD panel** and pry open the display mask.

MICROPHONE REMOVAL

- Peel off the **microphone insulator**.
- Remove the microphone holder and the **microphone**.

FL INVERTER AND LCD REMOVAL

- Remove **one M2x4 flat head silver screw** securing **FL inverter board**.
- Lift up the **FL inverter board** and disconnect the **FL cable** from **CH2** and the **FL inverter cable** from **CH1**.
- Remove **three M2x3 flat head silver screws** securing the LCD module.
- Carefully rotate the **LCD module** from right to left of the LCD cover and remove the clip securing the LCD.
- Disconnect the **LCD cable** from the **LCD module** and remove the **LCD** from the computer.

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