FIELD REPLACEABLE UNIT DOCUMENTATION
Portege™

7020CT

BATTERY PACK REMOVAL

Battery lock
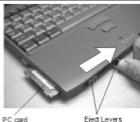Release lever
Battery Pack
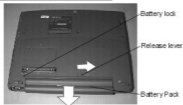
1. Turn the computer face down as shown.
2. Push the **battery lock** to unlock position.
3. Slide the **battery release lever** in the direction of the arrow.
4. Pull the **battery pack** slightly forward and lift it out.

OPTIONAL PCMCIA CARD REMOVAL

PC card   Eject Levers

1. Pull out the **eject lever** of the **PC card** to be removed.
2. Slide the **eject lever** to the right until the **PC card** is out.
3. Grasp the **PC card** and remove it.

EXPANSION MEMORY REMOVAL

Memory cover
M2x3 black screws
Memory clips
Expansion memory
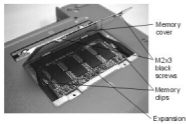
1. Turn the computer upside down.
2. Remove **two M2x3 black screws** and remove the **memory cover**.
3. Push the **memory clips** outward and pull the **expansion memory** out of the connector on a 45 degree angle.

HDD REMOVAL

M2x14 black screw   HDD cover

1. Turn the computer upside down.
2. Remove **one M3x14 black screw** securing the **HDD cover** and lift it out.

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HDD REMOVAL

HDD   Plastic handle

1. Grasp the **plastic handle** and pull it towards your left to disconnect the **HDD**.
2. Lift up the **plastic handle** to remove the **HDD**.

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

KEYBOARD REMOVAL

Keyboard   PJ10

4. Lift the front of the **keyboard** pulling the keyboard forward until the **keyboard cable** is exposed.
5. Disconnect the **keyboard cable** from **PJ10** on the system board and remove the **keyboard**.

KEYBOARD REMOVAL   ○ LATCH
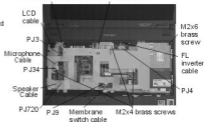

Keyboard   Keyboard holder

1. Turn the computer right side up and open the display.
2. Unlatch the **Keyboard holder** at the five points starting from the front side.
3. Pull up on the front of the **keyboard holder** to release the latches along the back and lift the holder out.

TOP COVER REMOVAL

M2x6 brass screw   M2x8 silver screw

LCD cable

PJ3

Microphone cable

PJ34

Speaker jack

PJ20   Membrane switch cable   M2x4 brass screw

M2x8 brass screw

FL inverter cable

PJ4

1. Turn the computer right side up and open the cover.
2. Use a tweezer to gently remove the **LCD cable** from **PJ3** and the **FL inverter cable** from **PJ4**.
3. Disconnect the **membrane switch cable** from **PJ9**.
4. Remove one **M2x8 silver screw**.

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TOP COVER REMOVAL

Silver screws

M2x6 black screw

M2x6 black screw

M2.5x6 black screws

M2.5x6 black screws

M2x6 black screw

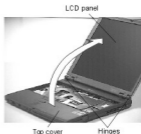Docking connector cover   M2x14 black screws

5. Turn the computer upside down.
6. Remove **two screws** securing the **docking connector cover** and lift the cover out.
7. Remove the following thirteen screws securing the bottom cover:
   - **7 M2.5x6 black screws**
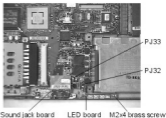   - **4 M2x6 black screws**
   - **2 M2x14 black screws**

LCD panel

Top cover   Hinges

8. Turn the computer right side up and open the **LCD panel** holding both **hinges** of the top cover.
9. Lift up the front of the **top cover** and tilt the display back until it lies flat.
10. Disconnect the LED cable from PJ303 to separate the top cover with display assembly from the bottom cover.

RTC BATTERY REMOVAL

RTC battery cable

Tape

RTC battery

PJ12

1. Disconnect the **RTC battery cable**.
2. Remove the **tape** securing the **RTC battery cable**.
3. Lift out the **RTC battery**.

SYSTEM BOARD REMOVAL

PJ33

PJ32

Sound jack board   LED board   M2x4 brass screw

1. Remove one **M2x4 brass screw** securing the **LED board** and disconnect the board from **PJ32**.
2. Disconnect the **Sound jack board** from **PJ33**.

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SYSTEM BOARD REMOVAL

M2x3 brass screws
M2x6 brass screws
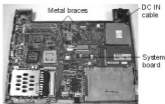Modem jack
M2x4 brass screws
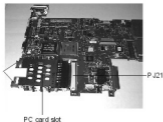

Metal braces
DC IN cable
System board

2. Remove 9 screws securing the system board.
   - **4 M2x6 brass screws**
   - **2 M2x4 brass screws**
   - **3 M2x3 brass screws**
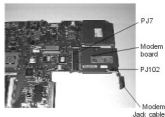3. Lift out the **modem jack** from the bottom cover.

4. Lift out the **system board**.
5. Remove **two metal braces** from the system board.
6. Disconnect the **DC IN cable** from PJ802 on the back of the system board.

PC CARD SLOT REMOVAL

PJ21
PC card slot

1. Disconnect the **PC card slot** from **PJ21** on the system board.

MODEM REMOVAL

PJ7
Modem board
PJ102
Modem Jack cable

1. Grasp the **modem board**.
2. Pull the **modem board** and disconnect it from **PJ7** on the system board.
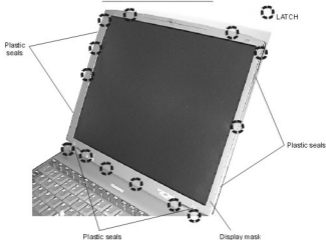4. Disconnect the **modem jack cable** from **PJ102** on the modem board.

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DISPLAY MASK REMOVAL

LATCH

Plastic seals

Plastic seals

Plastic seals

Plastic seals

Display mask

1. Remove **six plastic seals** covering six screws.
2. Remove **two M2.5x5 flat head silver screws** and **four M2x5 flat head silver screws** securing the **display mask**.
3. There are **13 latches** securing the display mask. Carefully insert your fingers between the **display mask** and the **LCD** panel and pry open the latches starting from the **top two latches**, to the **five latches on the right and left sides**, ending with the **six bottom** latches.
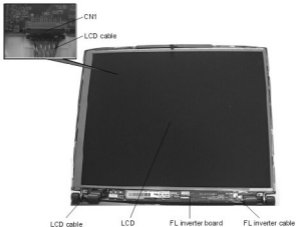

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FL INVERTER AND LCD REMOVAL

CN1
LCD cable

LCD cable   LCD   FL inverter board   FL inverter cable

1. Lift up the **FL inverter board** and disconnect the **FL cable** from **CN2** and the **FL inverter cable** from **CN1**.
2. Carefully rotate the **LCD module** from right to left of the LCD cover.
3. Disconnect the **LCD cable** from **CN1** on the **LCD module** and remove the **LCD** from the computer.

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