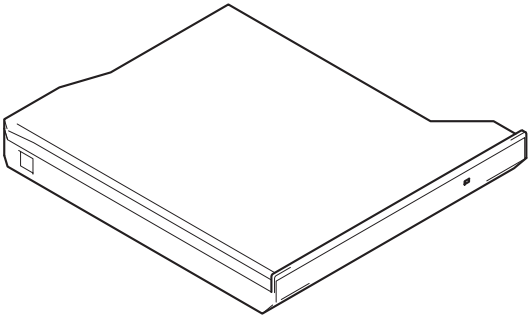


# PCGA-HDX10

## SERVICE MANUAL

US Model  
Canadian Model



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Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

**CAUTION:** The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly.

Keep away from children.

## Service and Inspection Precautions

**1. Obey precautionary markings and instructions**

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

## 2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the  $\triangle$  mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

### 3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

#### 4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

## 5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

## 6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

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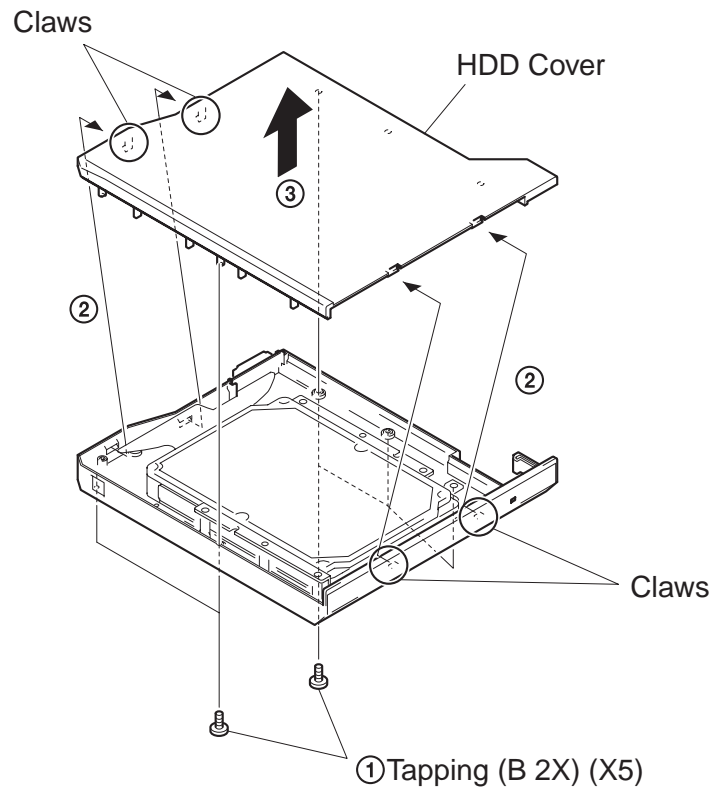
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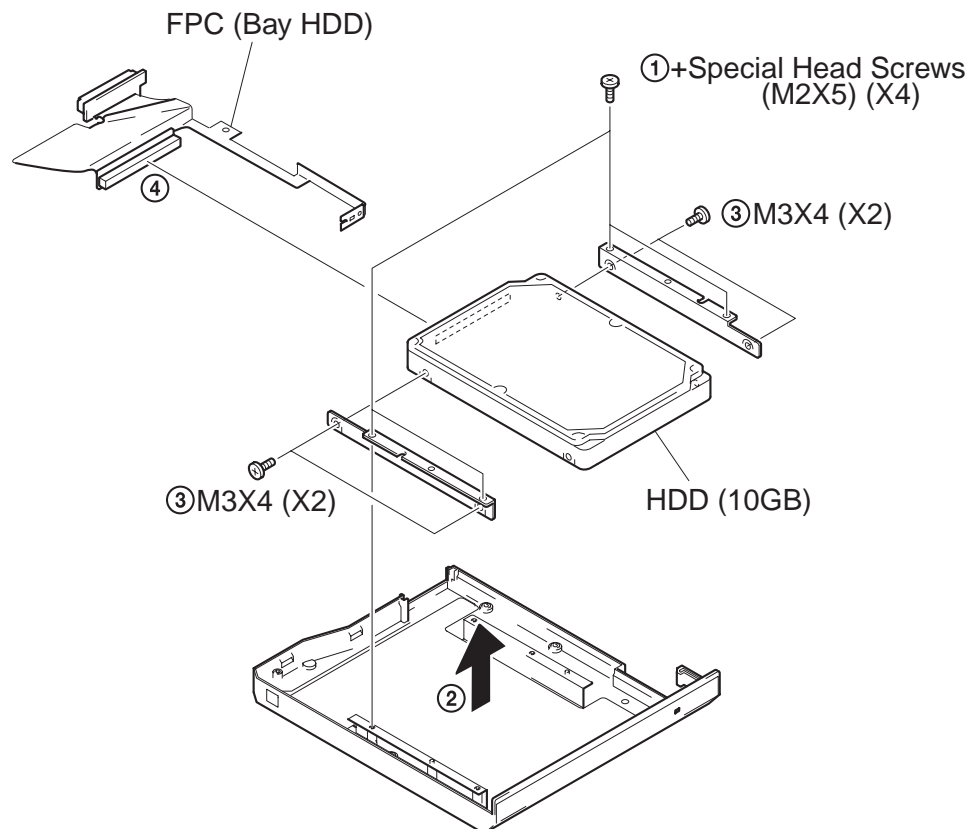
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## 1-1. HDD Cover



## 1-2. HDD (10GB), FPC (Bay HDD)





#### **2-1. Note**

- To perform self-diagnosis, the operating system (OS) must be installed in the hard disk of the main unit.
- When self-diagnosis is completed, the data on the subject (PCGA-HDX10) to be diagnosed will be erased. The data on the hard disk of the main unit, however, will not be erased.

#### **2-2. Necessary Tools**

- System main unit (PCG-XR series)
- Floppy-disk drive (FDD)
- Floppy-disk drive cable
- AC adaptor
- "Diag" floppy disk

#### **2-3. Start-up of the Self-Diagnostics Program**

1. Connect a floppy-disk drive to the PCG-XR system, and attach the subject (PCGA-HDX10) to be diagnosed into the multipurpose bay.
2. Insert the Diag floppy disk into the floppy-disk drive, and start the system.
3. Self-diagnosis starts and proceeds automatically until formatting of the subject is completed.
4. If there is no error, "Pass" is displayed. If there is an error, "FAIL" is displayed on a red background.
5. When "Press any key to shutdown" is displayed, press any key. The system will automatically be shut down.





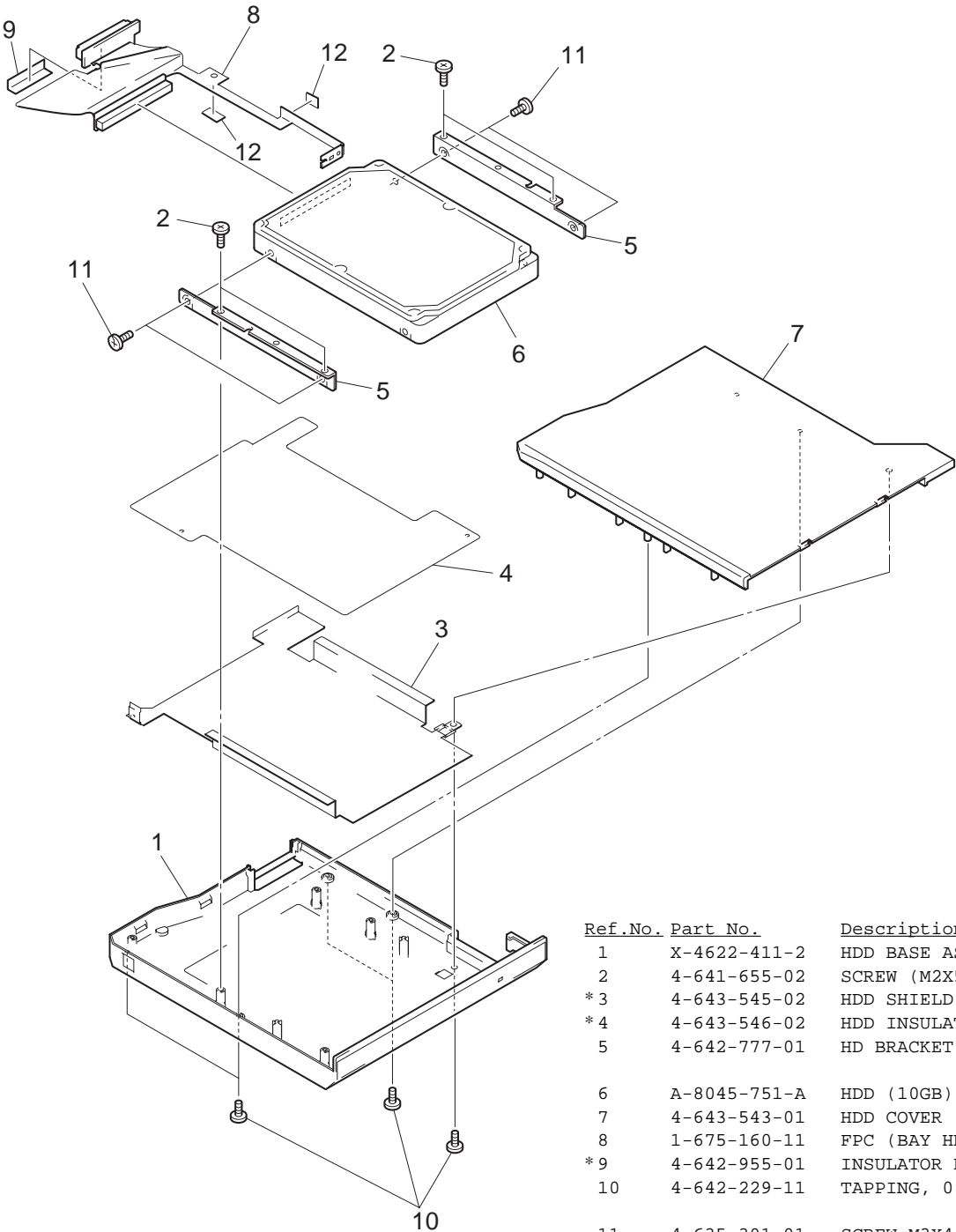
# CHAPTER 3.

## EXPLODED VIEW AND PARTS LIST

**Note:**

- Parts marked by \* are not normally in stock.
- Any part that has no part number is not available.

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.  
Replace only with part number specified.



Ref.No.	Part No.	Description
1	X-4622-411-2	HDD BASE ASSY
2	4-641-655-02	SCREW (M2X5), + SPECIAL HEAD
* 3	4-643-545-02	HDD SHIELD
* 4	4-643-546-02	HDD INSULATOR
5	4-642-777-01	HD BRACKET (A)
6	A-8045-751-A	HDD (10GB) ASSY (S)
7	4-643-543-01	HDD COVER
8	1-675-160-11	FPC (BAY HDD)
* 9	4-642-955-01	INSULATOR BAY FPC
10	4-642-229-11	TAPPING, 0 NUMBER SPECIAL HEAD
11	4-635-301-01	SCREW M3X4
12	4-644-546-01	FPC TAPE

ACCESSORY  
\*\*\*\*\*

3-867-282-02      MANUAL INSTRUCTION

