Safety Summary

This "Safety Summary" volume describes the cautionary notes to handle the maintenance work safely.

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The hazard warnings which appear on the warning labels on the machine or in the manual have one of the following alert headings consisting of a safety alert symbol and a signal word, DANGER, WARNING, CAUTION, or NOTICE.

1. About the Symbols



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

A DANGER :

Indicates an imminently hazardous situation which, if not avoided, will result in death or

serious injury.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or

serious injury.

A CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or

moderate injury.

CAUTION/

Indicates a potentially hazardous situation which, if not avoided, may result in property

NOTICE: damage.

2. A General Safety Guidelines

Read the following safety guidelines carefully and follow them when you conduct maintenance of the machine.

Before starting maintenance

- Maintenance of the machine must be done only by trained and qualified engineers.
- Read and follow the safety guidelines and procedures in this manual.
- In this manual and on the machine, hazard warnings are provided to aid you in preventing or reducing the risk of death, personal injury, or product damage. Understand and follow these hazard warnings fully.
- When warning labels become dirty or start peeling off, replace them.
- Keep in mind that the hazard warnings in this manual or on the machine cannot cover every
 possible case, as it is impossible to predict and evaluate all circumstances beforehand. Be
 alert and use your common sense.
- Although this subsystem has the built-in laser diode, it meets the laser system standard of class 1. It does not emit the laser beam, which is harmful to a human body, outside the subsystem in the usual operation.

Operate the subsystem according to this manual. Otherwise, it may cause unexpected accidents or failures.

During work

- For each procedure, follow the given method and sequence of steps.
- Use the spare, consumables, and materials for maintenance which are specified in the manual; otherwise, personal injury or damage of the machine, as well as deterioration of the product's quality, may result.
- Use the special tools and instruments specified for the work in the manual or commercially available tools and instruments which fit the purpose.
- Use measurement instruments and powered tools which are properly calibrated or periodically inspected.
- Keep the maintenance area neat and tidy.
- Always put away parts, materials, or tool when not in use.
- Wear an eye protector where liquid may splash or anything may fly about.
- When lifting anything heavy, lift it using your legs with your back kept erect, to prevent injury to your back or spine.
 - When lifting anything, for the weight of which CAUTION is indicated, use a proper lifting tool or have somebody help you.
- Keep a soldering iron and its stand away from you to prevent accidental contact and burns.
- When using sharp objects or cutting tools, make sure that no part of your body lies in the path of the blade, or point.
- Before finishing your work, check if the subsystem is returned to its original state.
 (Make sure that all parts removed during maintenance have been in stalled back in their original positions in the machine. Make sure that no tool or foreign material left in the machine.)

Prevention of electric shocks

- Before starting work, make sure that, unless otherwise specifically instructed, there is no
 potential electric hazard in the maintenance area such as insufficient grounding or a wet
 floor.
- Before starting work, note where the emergency power-off switches are located and make sure you know how to operate them.
- Unless otherwise specifically instructed, cut off all power sources to the machine before starting maintenance. Just switching off the machine power supplies is usually not enough. When power is fed from a wall or floor outlet, unplug the power supply cord, or turn off the switch on the power distribution panel or board.
 - When the power supply has a lockout device^(*1), lock it up after the powering off and keep the key.

Attach a notice on the panel or board prohibiting the use of the switch.

If the machine power has been already turned off, make sure yourself that these conditions are satisfied.

- ^{*1} The following is a portion of 29 CFR 1910.147 "The control of hazardous energy (lockout/tagout)," in the OSHA (Occupational Safety & Health Administration U.S Department of Labor USA) Regulations.
- Lockout device. A device that utilizes a positive means such as a lock, either key or combination type, to hold an energy isolating device in a safe position and prevent the energizing of a machine or equipment. Included are blank flanges and bolted slip blinds.
- Energy isolating device. A mechanical device that physically prevents the transmission or release of energy, including but not limited to the following: A manually operated electrical circuit breaker; a disconnect switch, a manually operated switch by which the conductors of a circuit can be disconnected from all ungrounded supply conductors, and, in addition, no pole can be operated independently; a line valve; a block; and any similar device used to block or isolate energy. Push buttons, selector switches and other control circuit type devices are not energy isolating devices.
- Do not touch any uninsured conductor or surface, where so instructed, which remains charged for a limited time after the external power supply to the machine is disconnected.
- When working on a machine which has a grounding terminal, make sure that the terminal is properly connected to the facility's ground.
- When working close to a hazardously energized part, do not work alone; work with another person who can immediately turn off the power in an emergency.

- Do not wear any metallic item such as a wrist watch with a metallic surface, or metallic accessories.
 - If you wear eyeglasses with a metallic frame, take care not to let the frame touch an uninsured surface.
- Make sure that your hands and arms are dry.
- Unless otherwise specifically instructed, use only one hand when it is necessary to work near an exposed live electric circuit.
 - This prevents the completion of the circuit through both hands even if you accidentally touch the circuit.
- Do not use a dental mirror near an exposed live electric circuit.

 The mirror surface is conductive and can become hazardous even if it is made of plastic.
- Unless otherwise specifically instructed, do not supply power to any subassembly such as a power supply unit or a motor while it is removed from the machine.

Preventing being caught by rotating or moving parts

- Tuck in your tie, scarf, shirt, or any other loose clothing so that it will not be caught by a rotating or moving part.
- Tie up long hair.
- Unless otherwise specifically instructed, do not supply power to any device with rotating or moving parts which are not properly covered.
- When instructed to supply power to any device with rotating or moving parts whose covers have been removed, work with another person who can immediately turn off the power in an emergency.

Procedure in an emergency

For electric shock

- Do not panic. Do not become another victim through contact with the injured person.
- First, shut off the electric current passing through the victim.

 Use the emergency power-off switch, if there is one, or otherwise, a normal power-off switch. If this cannot be done, push the victim away from the source of the electric current by using a nonconductor object such as a dry wooden stick.
- Then, call an ambulance.
- If the victim is unconscious, artificial respiration may be necessary.
 A proper method for performing artificial respiration or resuscitation should be learned beforehand.
- If the victim's heart is not beating, cardiac resuscitation should be performed by a trained and qualified person.

For outbreak of fire

- First shut off all the power from the machine using the emergency power-off switch.
- If the fire continues burning after the power is shut off, take suitable actions including the use of a fire extinguisher or a call for the fire department.

3.

Hazard Warning Statements

The following are the hazard warning statements contained in this manual.

3.1 A DANGER Statements

 Do not disassemble the case, do not modify it, or do not peel off the label. There are high voltage parts inside: If you attempt any of these actions, you may get an electrical shock or burn.

(REP 05-0000)

 Do not disassemble the battery; this may cause short circuits inside or outside of the battery. If the components are exposed to the air, the battery may cause overheat, burst or ignite. Disassembling the battery may expose you to its alkaline solution, which can be dangerous.

(REP 05-0000)

• Do not cut the output cable. Do not modify the connector. If you attempt any of these actions, you may get an electrical shock or burn. A short-circuit may cause abnormal chemical reactions inside the battery which leads to overheating, bursting or ignition.

(REP 05-0000)

• Follow the instructions when you recharge the battery pack. If you recharge it in a way different from specified here, it may cause the following problems: The battery may become charged excessively; excessive current may be produced; or the battery cannot be recharged. As a result, the battery may leak, become overheated, burst, or ignite.

(REP 05-0000)

Do not use excessive force when you connect the battery pack to the charger or other
devices. If you cannot connect it easily, check the positive and negative are correct for the
connector. If you connect the battery in reverse, it will be charged incorrectly and
abnormal chemical reactions may occur inside. As a result, the battery may become
overheated, burst or ignite.

(REP 05-0000)

• Do not connect the battery to a power receptacle. If you apply an excessive amount of voltage to the battery, it may produce excessive current making the battery overheat, burst or ignite.

(REP 05-0000)

• Do not use or leave the battery where the temperature can become high, such as, near a fire or a heating element. High temperatures may damage the battery's separator, which may cause short circuit, making it overheat, burst or ignite.

(REP 05-0000)

• Do not incinerate the battery pack or heat it. If you do so, the insulator may melt, the safety fuse/mechanism may be damaged, or the electrolyte may gush out. As a result, the battery may become burst, explode or ignite.

(REP 05-0000)

• Do not connect the negative terminal to the positive with metal wire. Do not carry or store the battery with other metal parts. This may cause a short circuit or produce excessive current which can cause the battery to leak, overheat, burst or ignite.

(REP 05-0010)

Do not let the battery become wet by soaking it in the water or seawater. If the battery
gets wet, a short circuit may occur and an excessive amount of current may be produced
causing abnormal chemical reactions inside. As a result, the battery may become
overheated, burst or ignite.

(REP 05-0010)

 Do not nail the battery, hit it with a hammer, or stamp on it. The battery may be broken or dented and a short circuit may occur inside. As a result, the battery may become overheated, burst or ignite.

(REP 05-0010)

• Do not solder directly to the battery. If you do so, heat will melt the insulator and damage the safety fuse/mechanism. As a result, the battery may leak or may become overheated, burst or ignite.

(REP 05-0010)

Do not recharge the battery where there is a high temperature, such as near a fire.
 This may cause abnormal chemical reactions inside the battery and it may become overheated, burst or ignite. High temperatures may also cause deterioration of performance/life of the battery.

(REP 05-0010)

3.2 A WARNING Statements

• If the Subsystem falls when the elevator of the lifter is at a high position, a personal injury will be caused.

Perform the positioning, fastening, or other handlings very carefully.

(INST 02-0430, INST 02-0940)

• Do not place the battery pack in the microwave oven or under high pressure. Either of these actions will rapidly heat the battery or break its seals: As a result, the battery may become overheated, burst or ignite.

(REP 05-0020)

• If you find anything strange or unusual with the battery when you use/carry/store it, remove the battery from the device and stop using it. For example, strange smells, strange colors, or deformation are a sign you must stop using the battery.

(REP 05-0020)

• If it takes longer than the specified time to complete recharging, stop recharging the battery: Otherwise, the battery may become overheated, burst or ignite.

(REP 05-0020)

• If the battery leaks and gets into your eyes, immediately flush your eyes with clean water (tap water) and do not rub your eye. Then visit the doctor immediately. If you do not seek any treatment for your eyes, problems may occur later. Because the battery uses highly concentrated alkaline as electrolyte, it may burn or you may lose your sight if it contacts your skin or eyes. If the battery's liquid contacts your skin or eyes, you must flush them with plenty of clean water and visit the doctor at once.

(REP 05-0020)

3.3 **A** CAUTION Statements

• Attach or remove the Front Bezel carefully following the procedure. Otherwise, you may hurt your fingers by pinching them.

(INST 01-0100)

(REP 02-1360, REP 03-0020)

• Be careful of the workers on the other side when pulling out or storing the RKAKX.

(INST 01-0111)

• Do not pull out multiple RKAKXs at a time because the rack can fall over.

(INST 01-0111)

(ADD 01-0200, ADD 02-0230, ADD 04-0040)

(REP 02-0030, REP 02-1101, REP 02-1150, REP 02-1220)

• Do not put objects on the RKAKX which has been pulled out of the rack or use it as working space because the rack can fall over.

(INST 01-0111)

(ADD 01-0200, ADD 02-0230, ADD 04-0040)

(REP 02-0030, REP 02-1101, REP 02-1150, REP 02-1220)

 Open or close the door carefully following the procedure. Otherwise, you may hurt you fingers by pinching them.

(INST 01-0120)

• The unpacking should be done by two or more personnel to prevent turning over of the subsystem or being caught under the subsystem.

(INST 02-0310)

 Work carefully because the mass of the single RKM/RKS is about 51 kg, RKH is about 46 kg, RKAK is about 40 kg, and RKAKS is about 23 kg.

(INST 02-0310, INST 02-0420, INST 02-0430)

 Rack mounting and lifter operation should only be conducted by a person who has been trained and qualified since the subsystem could turn over or a worker could be caught under the subsystem.

(INST 02-0420, INST 02-0430, INST 02-0940)

Be sure to perform the operation with two or more workers.

(INST 02-0420, INST 02-0430, INST 02-0940) (REP 02-1160, REP 02-1220)

 Operate the valve slowly when opening it. If it is opened quickly, the elevator of the lifter descends rapidly and may cause personal injury.

(INST 02-0430, INST 02-0940)

• Be sure to install it in order from the bottom to prevent the falling of the rack when you install the subsystem on the rack.

(INST 02-0430)

• Do not move the lifter away from the rack frame nor lower the elevator until the red line on the label affixed on the subsystem enters the rack frame across the end of it. Otherwise, falling of the subsystem may be caused.

(INST 02-0440)

 Make sure that there is no scratch or flaw on a power cable. It can cause an electric shock or even a fire.

> (INST 02-0800, INST 02-0812, INST 02-0820, INST 02-1220) (ADD 01-0611, ADD 01-0612, ADD 01-0650, ADD 03-0050)

• This subsystem shall be connected directly to the d.c. supply system earthing electrode conductor or to a bonding jumper from an earthing terminal bar or bus to which the d.c. supply system earthing electrode conductor is connected.

(INST 02-0812)

(ADD 01-0613)

(REP 02-0412, REP 02-0421, REP 02-1310, REP 02-1340)

• The d.c. supply source is to be located within the same premises as this subsystem.

(INST 02-0812)

(ADD 01-0613)

(REP 02-0412, REP 02-0421, REP 02-1310, REP 02-1340)

• This subsystem shall be located in the same immediate area (such as, adjacent cabinets) as any other subsystem that has a connection between the earthed conductor of the same d.c. supply circuit and the earthing conductor, and also the point of earthing of the d.c. system. The d.c. system shall not be earthed elsewhere.

(INST 02-0812)

(ADD 01-0613)

(REP 02-0412, REP 02-0421, REP 02-1310, REP 02-1340)

• Switching or disconnecting devices shall not be in the earthed circuit conductor between the d.c. source and the point of the connection of the earthing electrode conductor.

(INST 02-0812)

(ADD 01-0613)

(REP 02-0412, REP 02-0421, REP 02-1310, REP 02-1340)

• When inserting the power cable in the connector of PDB, have it inserted completely, and then fix it with a cable clamp, etc. If it is loosened, the connection is damaged, and it causes an electric shock or fire.

(INST 02-0800, INST 02-0820, INST 02-1220)

Work carefully because the mass of the single RKAKX is about 81 kg.

(INST 02-0940)

• When the red line on the label affixed on the subsystem enters the rack frame across the end of the rack rails, the rails are locked. Do not move the lifter away from the rack frame nor lower the elevator until the rails are locked. Otherwise, falling of the subsystem may be caused.

(INST 02-0950)

 Do not disassemble or remodel parts for maintenance. Otherwise, a failure or a serious accident may be caused. Be sure to replace parts in units of formally defined maintenance part.

(REP 01-0000)

• When replacing the power supply, do it in haste after preparing a replacement power supply and arranging cables, etc. so that they do not disturb the replacement.

(REP 01-0000)

- A closed type nickel-hydrogen battery can cause an electric shock or explosion if it is handled wrongly. Observe the following requirements for handling.
 - Do not disassemble or remake the battery.
 - · Do not deform the battery.
 - Do not connect plus and minus poles with a metallic article such as a wire.
 - Do not reverse the connections of plus and minus poles.
 - Do not peel off the covering tube.
 - Do not connect the battery directly to the outlet.
 - Do not connect the battery to anything other than this subsystem for charging/discharging.
 - Do not leave the battery in a hot place. Store it in a dark and cool place.
 - Do not discard a used battery at the site where it was removed for replacement.

(REP 02-0290, REP 02-1280, REP 02-1290)

• Since each fan is rotating with high-speed, be careful not to be caught by it.

(REP 02-0350, REP 03-0010)

• Be sure to keep the front bezel and rear panel clean. Or else, the ventilation is deteriorated so that the temperature inside the subsystem may rise causing a failure or even a fire.

(REP 03-0020)

Be careful not to move the subsystem during cleaning.

(REP 03-0020)

• If a battery is handled wrongly, it is feared that an explosion is caused.

(REP 03-0040)

• Do not disassemble the battery, or a burn or electric shock may be caused.

(REP 03-0040)

3.4 **A**CAUTION Statements

• Touching heat sinks or ICs may cause getting burned. Be sure to handle with care.

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(ADD 01-0130, ADD 01-0390, ADD 01-0400, ADD 01-0450, ADD 01-0470, ADD 01-0510, ADD 01-0530, ADD 02-0180, ADD 02-0310, ADD 02-0330, ADD 02-0380, ADD 02-0400, ADD 02-0430, ADD 02-0450)

(REP 02-0450, REP 02-0480, REP 02-0550, REP 02-0590, REP 02-0620, REP 02-0640, REP 02-0670, REP 02-0740, REP 02-0780, REP 02-0800, REP 02-0830, REP 02-0890, REP 02-0930)
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3.5 ACAUTION Statements

Here exists a hazard that can cause an electric shock. Start the work after making sure
that the breaker in the power distribution box has been turned off.
 Connect the power cable by tightening screws of the terminals firmly.

(INST 02-0812) (ADD 01-0612)

• When doing a hot replacement of a part, do not wear metallic accessories or a watch so as to avoid an electric shock. Be careful not to touch any of live parts with a screwdriver, etc.

(REP 01-0010)

• Here exists a hazard that can cause an electric shock. Start the work after making sure that the breaker in the power distribution box has been turned off.

(REP 02-0411, REP 02-0420)

• If you touch a live part, it is feared that you receive an electric shock.

(REP 03-0020)

3.6 CAUTION Statements

 To prevent part failures caused by static electrical charge built up on your own body, be sure to wear a wrist strap connected to the chassis before starting and do not take it off until you finish.

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(INST 01-0000, INST 01-0100, INST 02-0330, INST 02-0490, INST 02-0850, INST 02-0970)
(ADD 01-0130, ADD 01-0200, ADD 01-0390, ADD 01-0450, ADD 01-0510 ADD 02-0180, ADD 02-0230, ADD 02-0310, ADD 02-0380, ADD 02-0430, ADD 03-0000, ADD 04-0040)
(REP 01-0010, REP 02-0050, REP 02-0162, REP 02-0450, REP 02-0640, REP 02-0800, REP 02-0950, REP 02-1020, REP 02-1101, REP 02-1110, REP 02-1142, REP 02-1150, REP 02-1160, REP 02-1220, REP 02-1360)
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• Be sure to wear a wrist strap connected to the chassis whenever you unpack parts from a case. Otherwise, the static electrical charge on your body may damage the parts.

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(INST 01-0000, INST 02-0330, INST 02-0490, INST 02-0850, INST 02-0970) (ADD 01-0130, ADD 01-0200, ADD 01-0390, ADD 01-0450, ADD 01-0510, ADD 02-0180, ADD 02-0230, ADD 02-0310, ADD 02-0380, ADD 02-0430, ADD 03-0000, ADD 04-0040) (REP 01-0010, REP 02-0050, REP 02-0162, REP 02-0450, REP 02-0640, REP 02-0800, REP 02-0950, REP 02-1020, REP 02-1090, REP 01-1101)
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 When you install are Disk Drive, Control Unit and ENC Unit, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

> (INST 01-0000, INST 02-0330, INST 02-0490) (ADD 03-0000)

> > (REP 01-0010)

• The front bezels of the RKH/RKM/RKS, the RKAK, and the RKAKS are different in size.

(INST 01-0100)

(REP 02-1360)

• When installing or removing the Front Bezel, try not to operate the main switch incorrectly with the hook or the ON/OFF button of the Front Bezel.

(INST 01-0100)

(REP 02-1360)

 Press the rail against the rack frame as much as possible to secure the rail to the rack frame. If there is a gap between the rail and the rack frame, the rail may interfere with the equipment.

(INST 02-0200, INST 02-0250, INST 02-0300)

• Take full care to connect cables correctly.

(INST 02-0610)

• When you remove a Disk Drive, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(INST 02-0850)

(ADD 02-0230, ADD 04-0040)

• When you install are Disk Drive, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(INST 02-0970)

• When you install is Control Unit, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(ADD 01-0130, ADD 01-0390, ADD 01-0450, ADD 01-0510, ADD 02-0180, ADD 02-0310,

ADD 02-0380, ADD 02-0430)

(REP 02-0162, REP 02-0450, REP 02-0640, REP 02-0800)

Disk Drives are precision components. Be careful not to expose drives to hard shock.

(ADD 01-0200, ADD 02-0230, ADD 04-0040)

(REP 02-0050, REP 02-0162)

• When you install a Disk Drive, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(ADD 01-0200) (REP 02-0050)

• For the system Disk Drives (The Disk Drives #0 to #4 of the RKM/RKS or the Disk Drives #0 to #4 of the RKAK/RKAKS corresponding to the unit ID #0 connected to the RKH, the Disk Drive #A0 to #A4 of the RKAKX) regardless of the data Disk Drives, the Spare Drives and the Disk Drives which do not configure the RAID group, do not remove the Disk Drives #0 to #4 at the same time with the subsystem power turned on.

There is a possibility of downing the subsystem if removing them.

(REP 02-0050)

The replacement of the component is restricted in time. This operation requires referring
to the manual. If the subsystem is left with this component removed for more than 10
minutes, it will stop by detecting the thermal alarm.

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(REP 02-0350, REP 02-0390, REP 02-0410, REP 02-0422, REP 02-0442)
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When the ALM LED on the Control Unit is on while the ALM LED of the FAN Unit is on, be sure
to solve the trouble of the Control Unit first.

(REP 02-0350)

• When replacing the FAN Unit, do it in haste after preparing a replacement FAN Unit and arranging cables, etc. so that they do not disturb the replacement.

(REP 02-0350)

• When a trouble of the Power Unit is detected due to a trouble of the FAN Unit, the Power Unit does not need to be replaced. When a trouble of the Power Unit is detected during replacement of the FAN Unit, pull out and then insert the Power Unit.

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(REP 02-0390, REP 02-0410, REP 02-0422, REP 02-0442)
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• When replacing the Power Unit, do it in haste after preparing a replacement Power Unit and arranging cables, etc. so that they do not disturb the replacement.

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(REP 02-0390, REP 02-0410, REP 02-0422, REP 02-0442)
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• When you install an ENC Unit, support its metal part with your hand that has the wrist strap. By so doing, you can discharge the static electricity from your body may change the parts.

(REP 02-1020, REP 02-1090, REP 02-1101)

• When you install a Disk Drive or Control Unit, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(REP 02-1160)

• When you install a Disk Drive or ENC Unit, support its metal part with your hand that has the wrist strap. You can discharge static electricity by touching the metal plate.

(REP 02-1220)

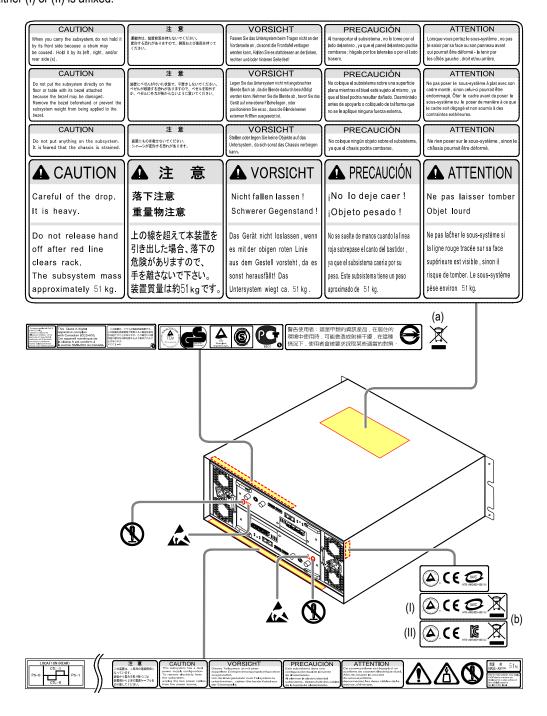
When a device is kept with power-off for more than six months, the battery may be
excessively discharged, and it may cause an unrecoverable damage.
 In such a storing condition, the battery must be charged once every six months for more
than 24 hours.

(REP 03-0040)

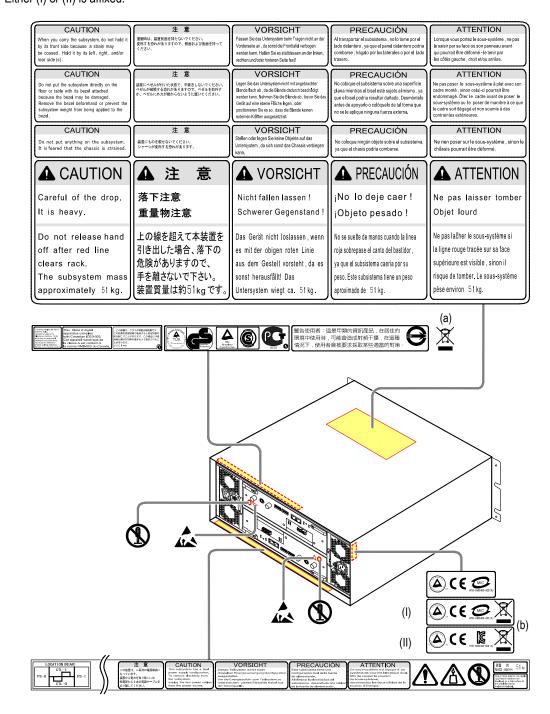
3.7 Warning Labels Pasted on the Equipment In this equipment, warning labels at pasted on portions requiring special care. The following are the symbols contained in warning labels.

Symbol mark	Description
1	Do not disassemble the equipment.
	Take full care to handle the heavy equipment.
	Handling prohibition cautions in the status with static electricity
®	Putting something on the subsystem (loading) is prohibited
<u> </u>	Be careful of your fingers to be caught

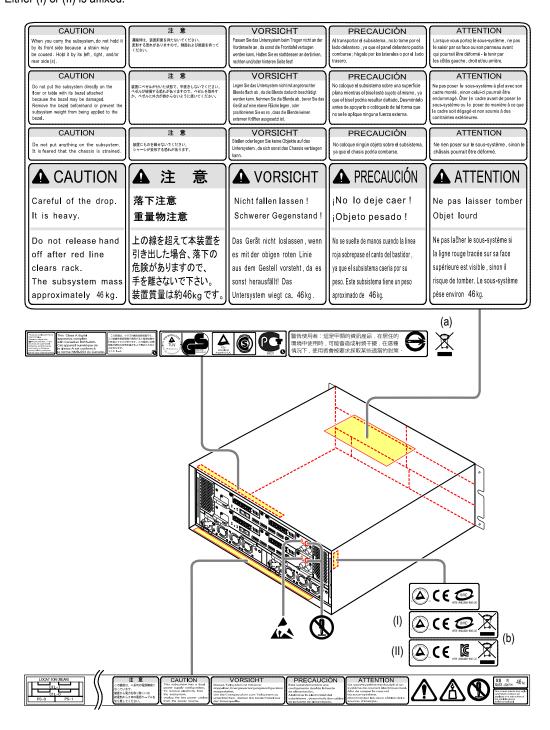
- 4. A Warning Labels Affixed on the Subsystem
- 4.1 Rackmount Model (RKM)



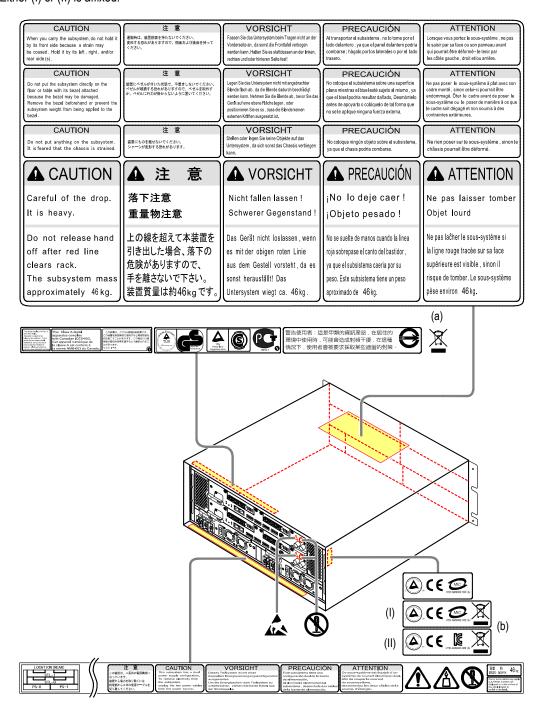
4.2 Rackmount Model (RKS)



4.3 Rackmount Model (RKH)

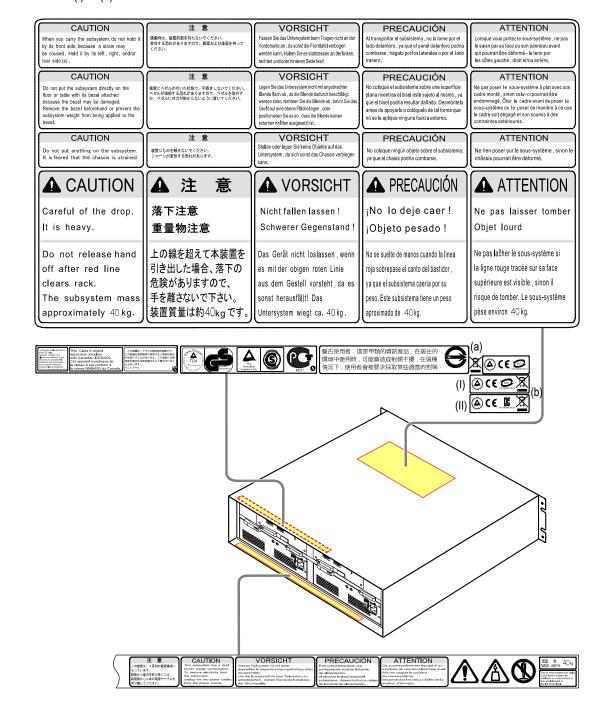


4.4 Rackmount Model (RKHED)



4.5 Rackmount Model (RKAK)

The $\stackrel{\succeq}{=}$ label is affixed on the location of (a) or (b).



4.6 Rackmount Model (RKAKS)

警告使用者:這是甲類的資訊產品,在居住的 環境中使用時,可能會造成射頻干擾,在這種 情況下,使用者會被要求採取某些適當的對策



注 意

運搬時は、装置前面を持たないでください。 変形する恐れがありますので、側面および後面を持って









PRECAUCIÓN

Al transportar el subsistema, no lo tome por el

lado delantero, ya que el panel delantero podria







When you carry the subsystem, do not hold by its front side because a strain may be coused. Hold it by its left, right, and/or rear side (s).

CAUTION

because the bezel may be damaged. Remove the bezel beforehand or prevent th subsystem weight from being applied to the

注 意

VORSICHT assen Sie das Untersystem beim Tragen nicht an de

Vorderseite an , da sonst die Fronttafel verbogen verden kann. Halten Sie es stattdessen an der linken echten und/oder hinteren Seite fest! VORSICHT

Legen Sie das Untersystem nicht mit angebrachter Blende flach ab, da die Blende dadurch beschädigt werden kann. Nehmen Sie die Blende ab , bevor Sie Gerät auf eine ebene Fläche legen , oder tionieren Sie es so , dass die Blende keinen ernen Kraften ausgesetzt ist.

combarse ; hágalo por los laterales o por el lad PRECAUCIÓN

No coloque el subsistema sobre una superficie plana mientras el bisel esté sujeto al mismo , ya que el bisel podria resultar dañado. Desmóntelo antes de apoyarlo o colóquelo de tal forma que no se le aplique ninguna fuerza externa.

Ne pas poser le sous-système à plat avec son cadre monté , sinon celui-ci pourrait être endommagé. Ôter le cadre avant de poser le sous-système ou le poser de manière à ce qui le cadre soit dégagé et non soumis à des contraintes extérieures.

ATTENTION

Lorsque vous portez le sous-système, ne pas

le saisir par sa face ou son panneau avant

qui pourrait être déformé - le tenir par les côtés gauche , droit et/ou arrière.

CAUTION

Do not put anything on the subsystem. It is feared that the chassis is strained.

注 意

装置にものを載せないでください。 シャーシが変形する恐れがあります。

VORSICHT Stellen oder legen Sie keine Ohiekte auf das Intersystem , da sich sonst das Chassis verb

No coloque ningún objeto sobre el subsist

ATTENTION

Ne rien poser sur le sous-système , sinc châssis pourrait être déformé.

CAUTION

Careful of the drop. It is heavy.

Do not release hand off after red line clears rack.

The subsystem mass approximately 23 kg.

意 ▲ 注

落下注意 重量物注意

上の線を超えて本装置を 引き出した場合、落下の 危険がありますので、 手を離さないで下さい。 装置質量は約23kgです。

VORSICHT

Nicht fallen lassen! Schwerer Gegenstand!

Das Gerät nicht loslassen, wenn es mit der obigen roten Linie aus dem Gestell vorsteht, da es sonst herausfällt! Das Untersystem wiegt ca. 23 kg.

PRECAUCIÓN

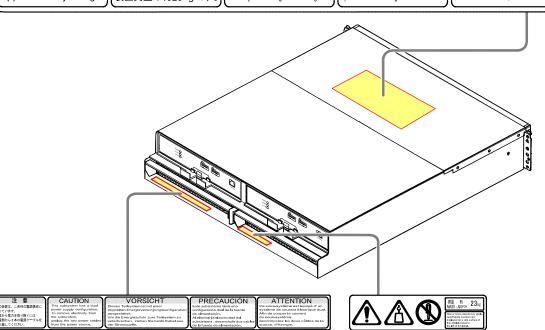
¡No lo deje caer! ¡Objeto pesado!

No se suelte de manos cuando la linea roja sobrepase el canto del bastidor, ya que el subsistema caería por su peso. Este subsistema tiene un peso aproximado de 23 kg.

A ATTENTION

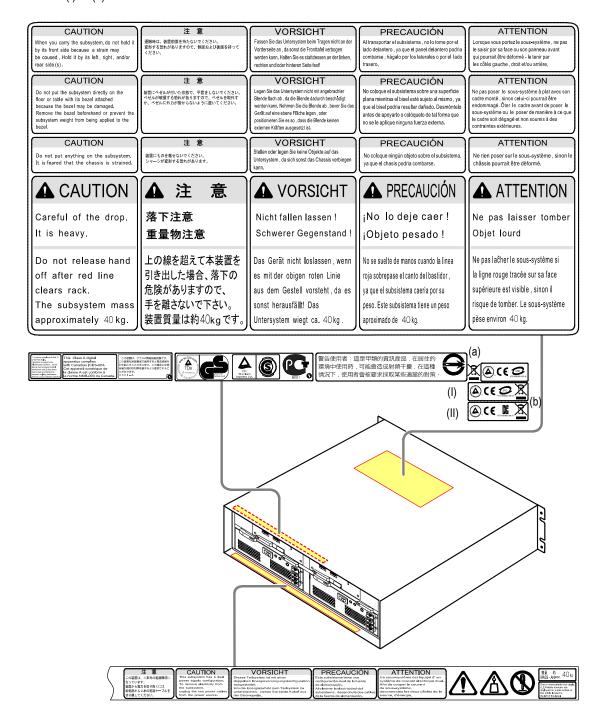
Ne pas laisser tomber Objet lourd

Ne pas laĉher le sous-système si la ligne rouge tracée sur sa face supérieure est visible, sinon il risque de tomber. Le sous-système pèse environ 23 kg.



4.7 Rackmount Model (RKAKD)

The $\stackrel{\succeq}{=}$ label is affixed on the location of (a) or (b).

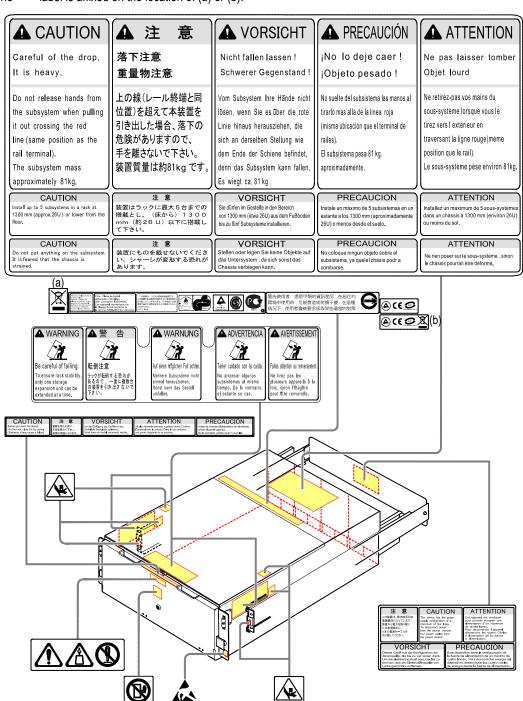


4.8 Rackmount Model (RKAKX)

The location of warning label varies on the chassis revision.

(1) When the chassis revision is less than G.

The \blacksquare label is affixed on the location of (a) or (b).

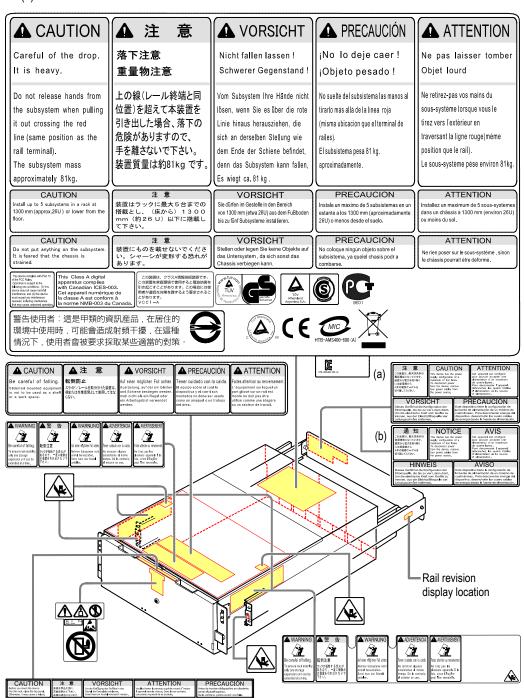


(2) When the chassis revision is G or more.

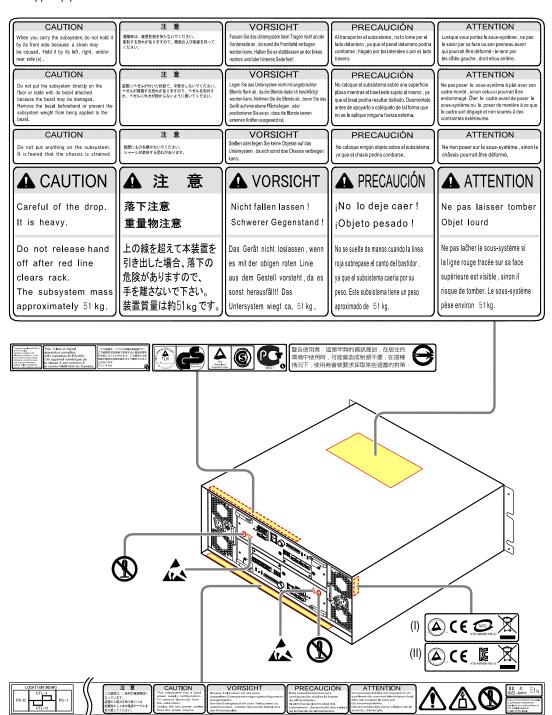
The warning label on the rail varies on the rail revision.

Label (a): rail revision D or less

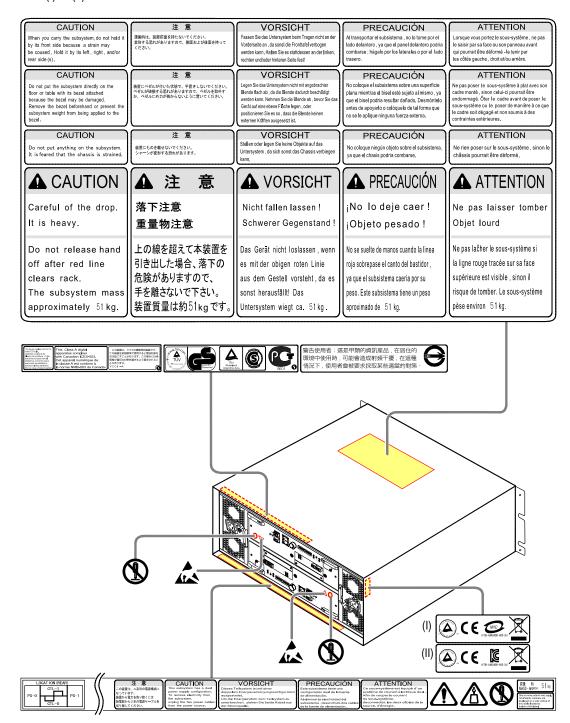
Label (b): rail revision D or more



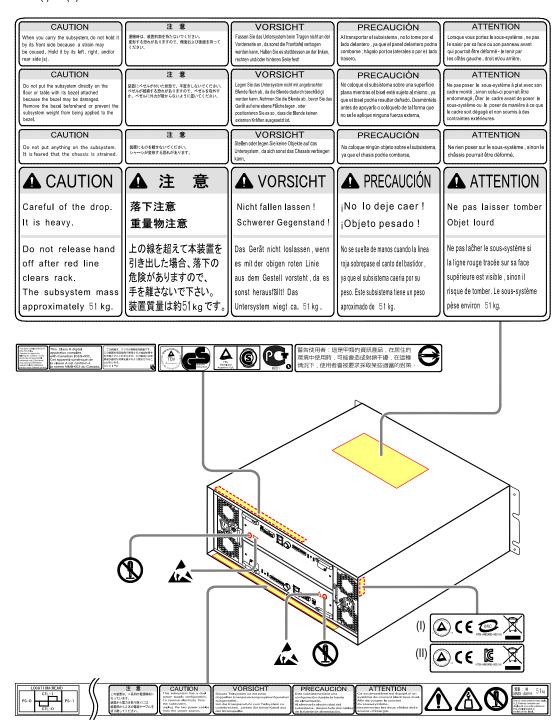
4.9 Rackmount Model (RKEM) Either (I) or (II) is affixed.



4.10 Rackmount Model (RKES)

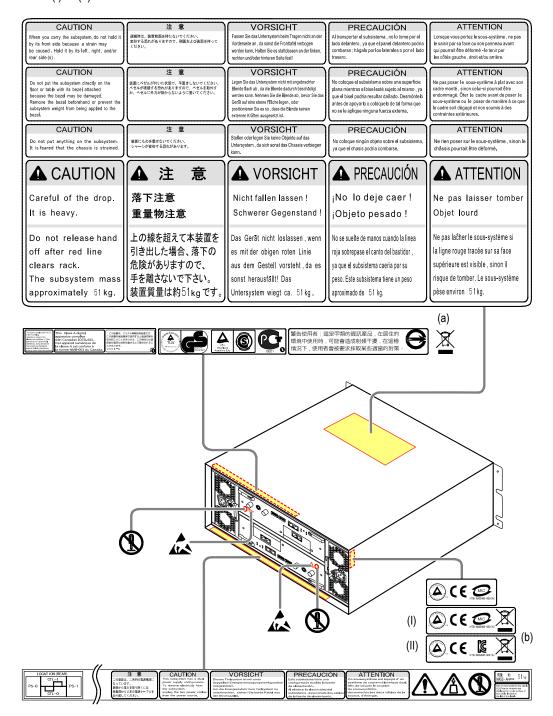


4.11 Rackmount Model (RKEXS)



4.12 Rackmount Model (RKEXSA)

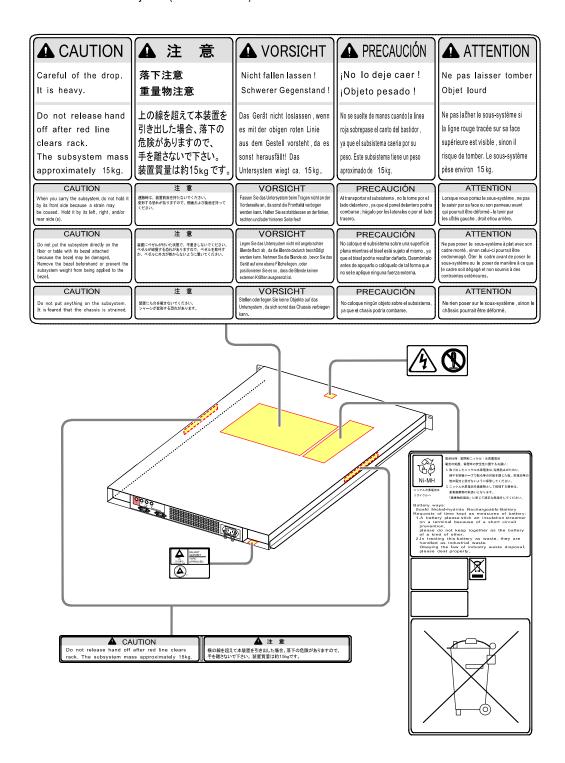
The $\stackrel{\boxtimes}{=}$ label is affixed on the location of (a) or (b).



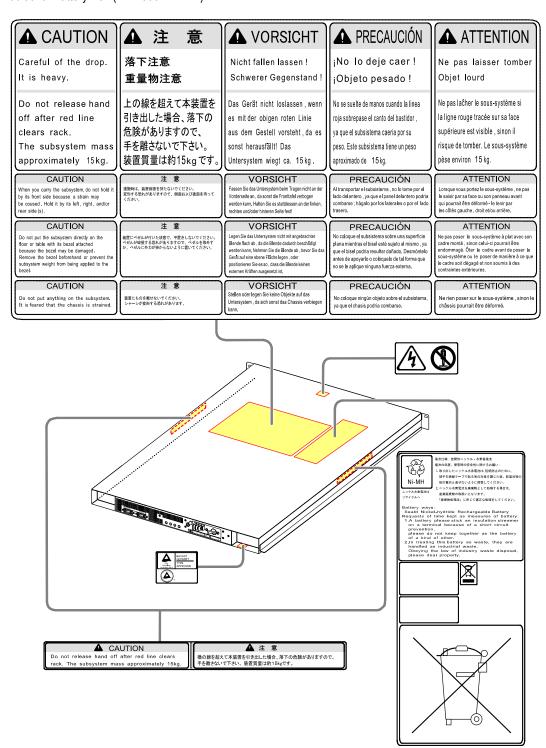
4.13 Rackmount Model (RKEXS8F) Either (I) or (II) is affixed.

CAUTION 注 意 VORSICHT PRECAUCIÓN ATTENTION Fassen Sie das Untersystem beim Tragen nicht an d Vorderseite an, da sonst die Fronttafel verbogen werden kann. Halten Sie es stattdessen an der Inker rechten und/oder hinteren Seite fest! 運搬時は、装置前面を持たないでください。 変形する恐れがありますので、側面および後面を持って ください。 then you carry the subsystem, do not hold y its front side because a strain may a coused. Hold it by its left, right, and/or CAUTION VORSICHT ATTENTION PRECAUCIÓN 注意 Do not put the subsystem directly on the floor or table with its bezel attached because the bezel may be damaged. Remove the bezel beforehand or preven subsystem weight from being applied to the bezel. Legen Sie das Untersystem nicht mit angebrachter Blende flach ab, da die Blende dadurch beschädigt werden kann. Nehmen Sie die Blende ab, bevor Sie Gerät auf eine ebene Fläche legen, oder positionieren Sie es so, dass die Blende keinen entgemen Kröffen unspecabt kirt. No coloque el subsistema sobre una superficie plana mientras el bisel esté sujeto al mismo, ya que el bisel podría resultar dañado. Desmóntel antes de apoyario o colóquelo de tal forma que CAUTION 注 意 VORSICHT PRECAUCIÓN ATTENTION Stellen oder legen Sie keine Objekte auf da Untersystem , da sich sonst das Chassis ve No coloque ningún objeto sobre el subsis ya que el chasis podría combarse. Ne rien poser sur le sous-système , sinor châssis pourrait être déformé. not put anything on the subsystem. is feared that the chassis is strained 装置にものを載せないでください。 シャーシが変形する恐れがあります。 CAUTION ▲ 注 意 VORSICHT PRECAUCIÓN ATTENTION Careful of the drop. 落下注意 ¡No lo deje caer! Ne pas laisser tomber Nicht fallen lassen! It is heavy. 重量物注意 Schwerer Gegenstand ¡Objeto pesado! Objet lourd 上の線を超えて本装置を Ne pas laĉher le sous-système si Do not release hand Das Gerät nicht loslassen, wenn No se suelte de manos cuando la linea 引き出した場合、落下の la ligne rouge tracée sur sa face off after red line es mit der obigen roten Linie roja sobrepase el canto del bastidor, clears rack. 危険がありますので、 aus dem Gestell vorsteht, da es ya que el subsistema caería por su supérieure est visible , sinon il 手を離さないで下さい。 The subsystem mass sonst herausfällt! Das peso. Este subsistema tiene un peso risque de tomber. Le sous-système approximately 51 kg. 装置質量は約51kgです。 pèse environ 51 kg. Untersystem wiegt ca. 51 kg. aproximado de 51 kg. 警告使用者:這是甲類的資訊産品,在居住的 環境中使用時,可能會造成射頻干擾,在這種 青況下,使用者會被要求採取某些適當的對策 (I) (II)

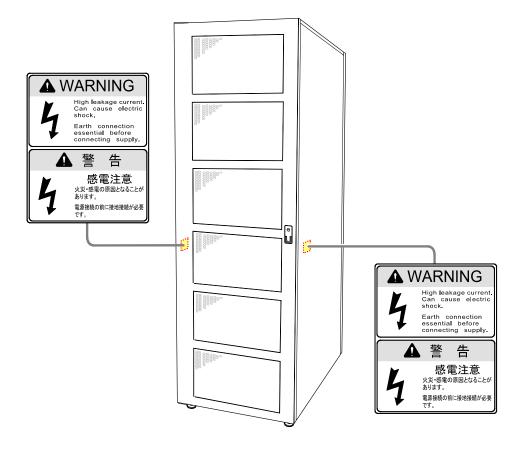
4.14 Additional Battery Box (DF-F800-N1RK)



4.15 Additional Battery Box (DF-F800-N1RKD)

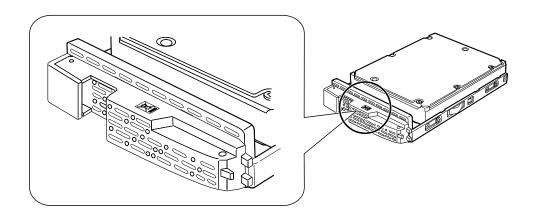


4.16 RK40 Rack Frame

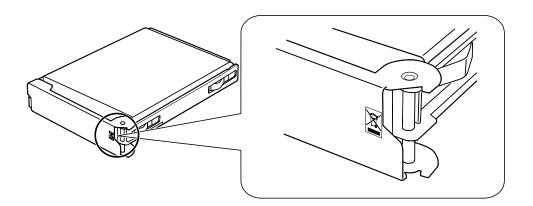


4.17 Disk Drive

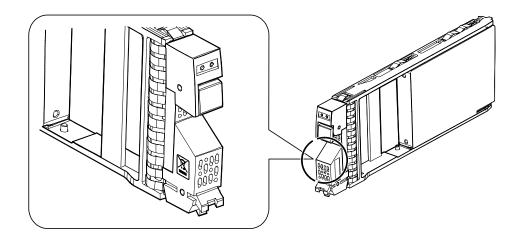
(1) For RKS/RKM/RKAK



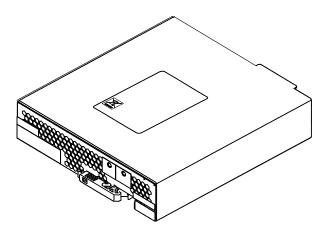
(2) For RKAKX



(3) For RKAKS

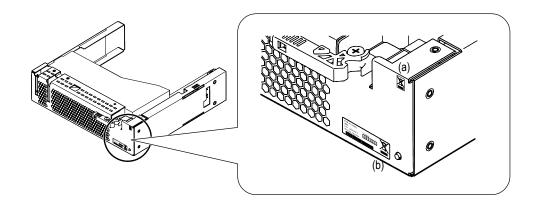


4.18 Cache Backup Battery



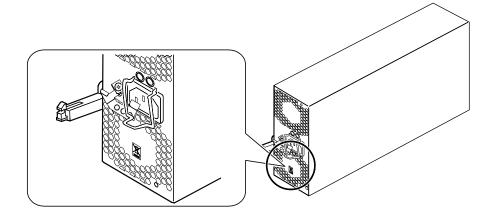
4.19 Fan Unit

The $\stackrel{\boxtimes}{=}$ label is affixed on the location of (a) or (b).

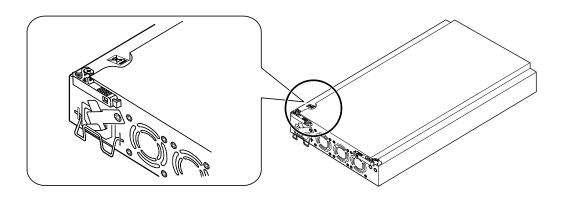


4.20 Power Unit

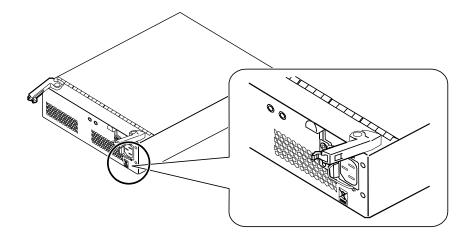
(1) For RKS/RKM



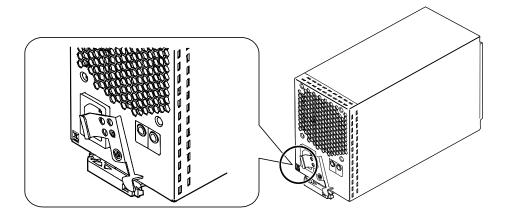
(2) For RKH



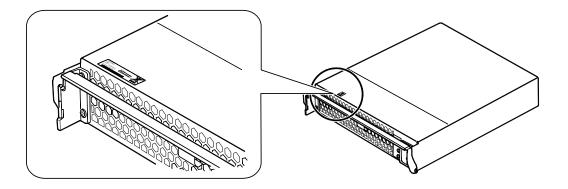
(3) For RKAK



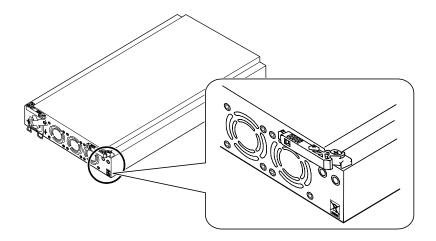
(4) For RKAKX



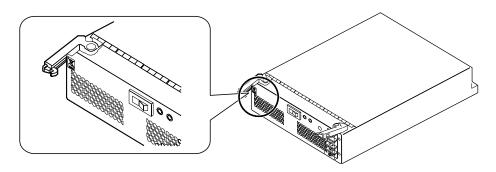
(5) For RKAKS



(6) For RKHED

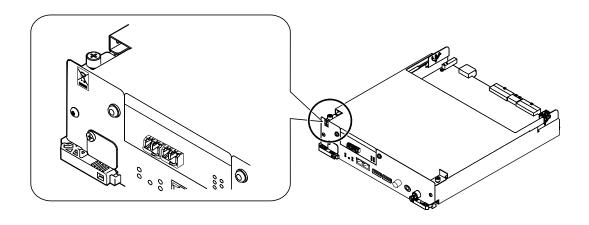


(7) For RKAKD

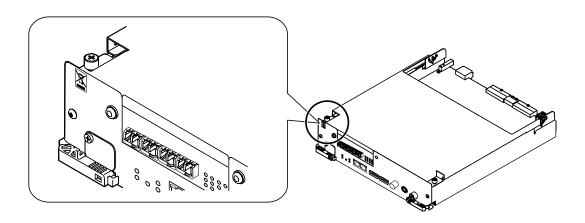


4.21 Control Unit

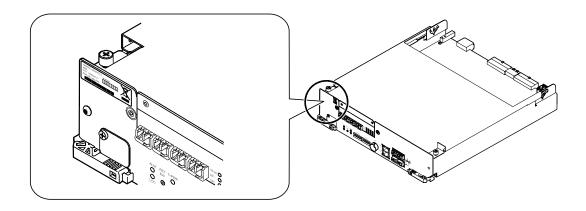
(1) For RKS



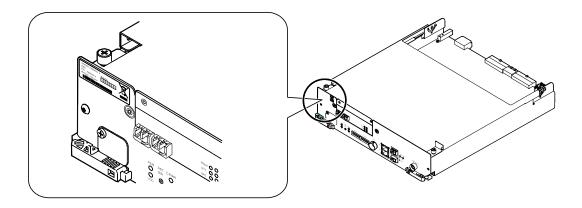
(2) For RKM



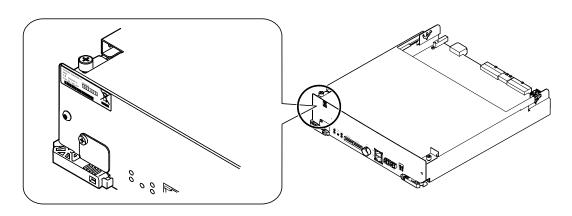
(3) For RKEM



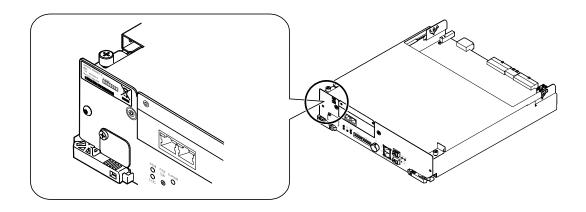
(4) For RKES



(5) For RKEXS

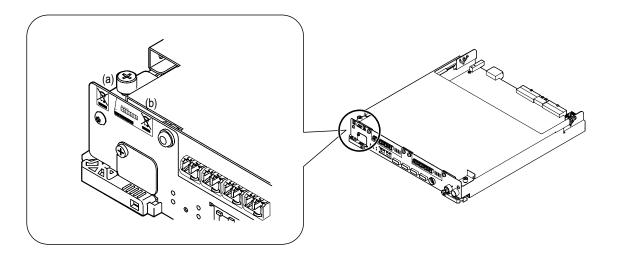


(6) For RKEXS8F



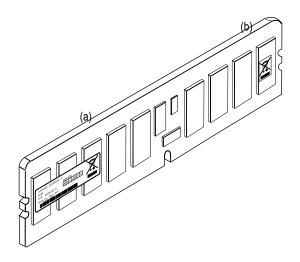
(7) For RKH

The $\stackrel{\times}{=}$ label is affixed on the location of (a) or (b).



4.22 Cache memory

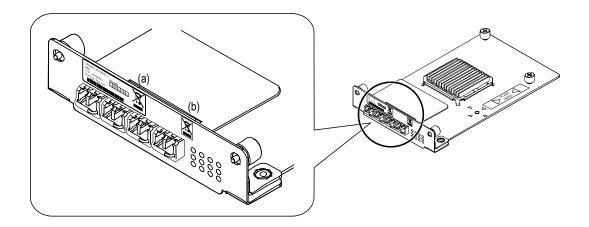
The | label is affixed on the location of (a) or (b).



4.23 Interface Board

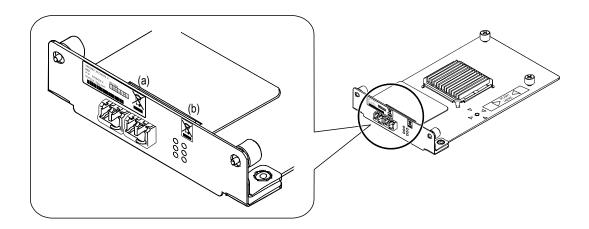
(1) FC Interface Board (DF-F800-DKF44/DF-F800-DKF84)

The label is affixed on the location of (a) or (b).

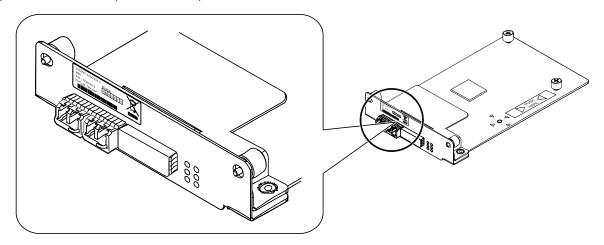


(2) FC Interface Board (DF-F800-DKF42)

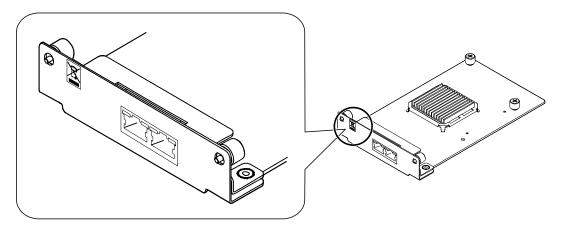
The label is affixed on the location of (a) or (b).



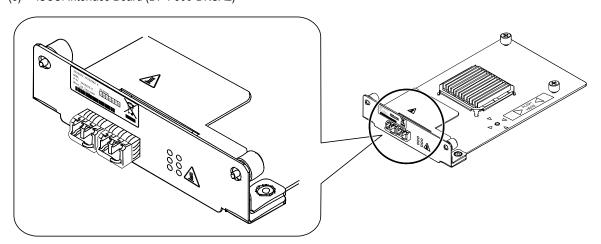
(3) FC Interface Board (DF-F800-DKF82)



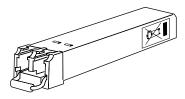
(4) iSCSI Interface Board (DF-F800-DKS12)



(5) iSCSI Interface Board (DF-F800-DKSA2)

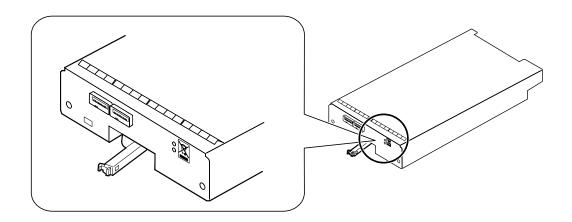


4.24 Host Connector



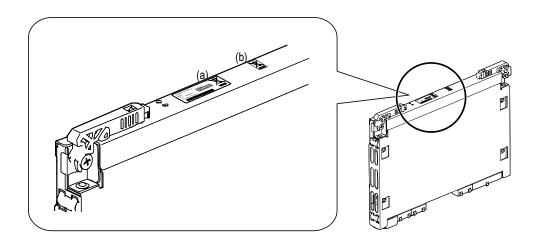
4.25 ENC Unit

(1) For RKAK

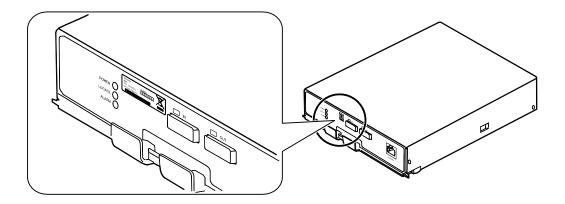


(2) For RKAKX

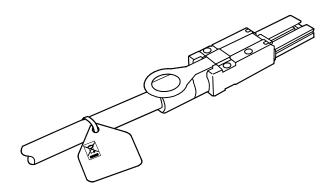
The $\stackrel{\times}{=}$ label is affixed on the location of (a) or (b).



(3) For RKAKS



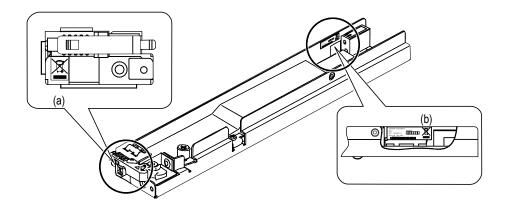
4.26 ENC cable



4.27 Cable holder

(1) For IN

The label is affixed on the location of (a) or (b).



(2) For OUT

The label is affixed on the location of (a) or (b).

