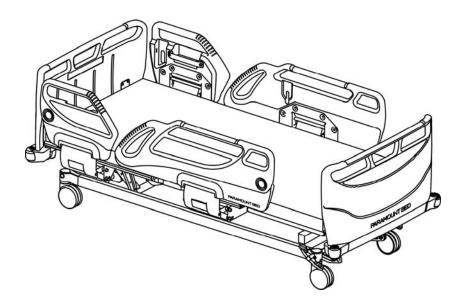
INSTRUCTION MANUAL

CA-48A CA-49A CA-41A

CA – S series Electric Hospital Bed



* The mattress for the electric bed shown above is sold separately.

Preface

Thank you for your purchase of Paramount Bed products.

This manual describes precautions and safety information to be aware of while using the electric bed.

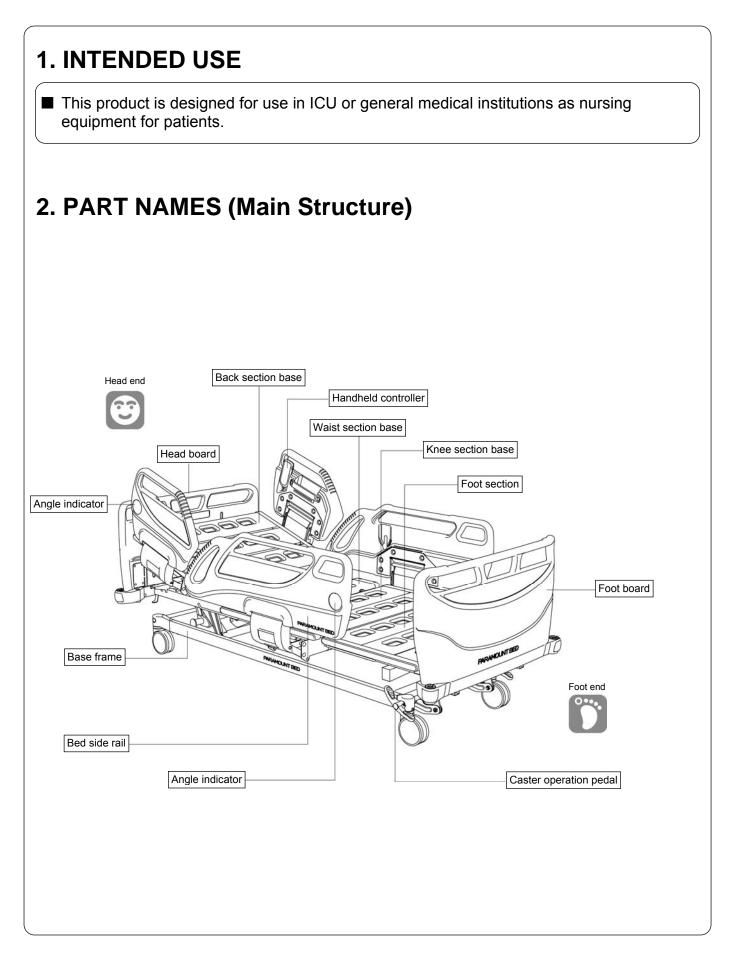
- Carefully read this manual before use and ensure you thoroughly understand all safety information and precautions.
- After reading through this manual, store it in a place that can be easily accessed for later reference.
- If you have any questions, feel free to contact us directly.

PARAMOUNT BED CO., LTD.

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1 INTENDED USE/PART NAMES



■ Be sure to read these safety precautions beforehand to ensure proper usage.

Precautions

The safety precautions described here are intended to ensure safe use of the product and prevent personal injury and property damage.

Precautions are classified into one of three categories: Warning, Caution and Prohibited, depending on the degree of danger, type of hazard, and the damage or injury that could result from incorrect operation.

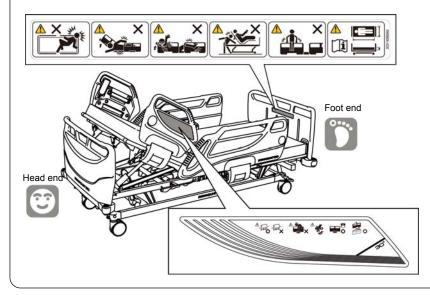
These three icons accompany important safety information and instructions that must be followed carefully.

A general description of each icon is provided below. Be sure you fully understand each before reading the following text.

\land Warning	Indicates actions that may result in death or serious injury if the indication is ignored.
▲ Caution	Indicates actions that may result in light personal injury or property damage if the indication is ignored.
○ Prohibition	Indicates actions that are prohibited.
Danger! Electric current	ndicates warning and caution information. Specific caution details may be indicated inside the symbol. "Danger: Electric current" is shown to the left) ndicates actions that are prohibited. Specific details may be described inside or around the symbol. "No Disassembling" is shown to the left) ndicates required actions or other important information. Specific details may be described in the symbol. "Pull out power plug" is shown to the left)

Note: After reading this instruction manual, store it in a place that can be easily accessed for later reference.

[Safety labels]



- Precautions requiring special attention by persons using the bed are described on labels that are affixed inside the foot board, outside the side rail, and outside the side rail spacer.Do not remove or deface any labels.
- If the safety label is removed or defaced, replace with a new one obtained from your distributor.



Be careful not to allow any part of the body (especially the head or neck) to enter the gap between the side rails, head or foot boards and other areas.



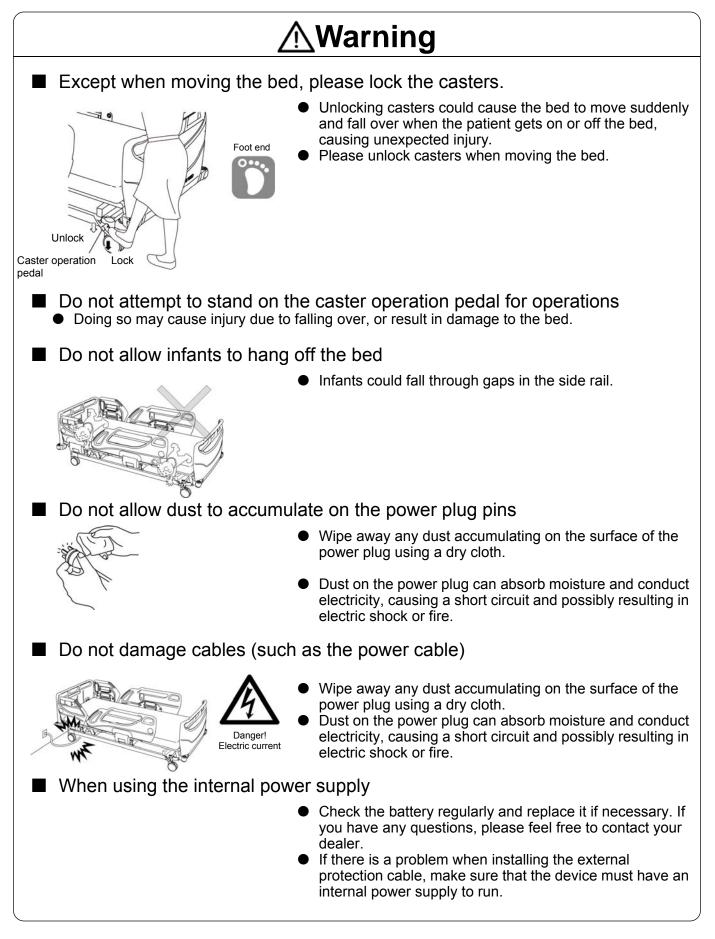
- When the head or neck enters the gap, the patient might not be able to withdraw, and there is a risk of injury.
- Pay special attention to patients who cannot control their posture.
- Care shall be taken to prevent a patient from falling off the bed when using the rail.
 - The patient may fall through gaps between rails, the bed base and the rail to cause injury (Split Side Rail).
 - Sitting on the rail may cause injury due to falling over.
 - If a thicker mattress is used, the rail appears lower, which makes it easier to step across. Therefore, be careful not to fall over.
- Do not allow the patient's head, hands and feet to extend beyond the rails.



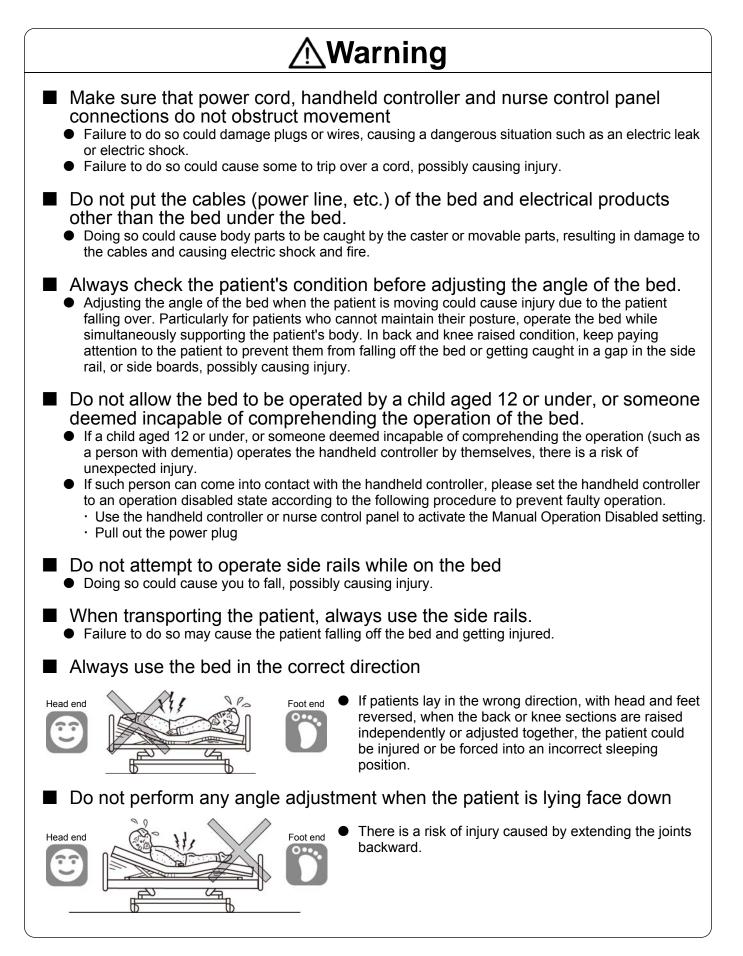
- Doing so could cause body parts to get caught between movable parts, possibly causing injury.
- Do not allow the patient's body parts (especially head and neck) to get caught in the gaps between the rail, bed base and mattress.
 - Doing so could cause the patient's body parts to be caught in the gaps, causing injury.
- When performing electric operations, do not stretch hands (or fingers) and feet into the gap between the bed base and frame.

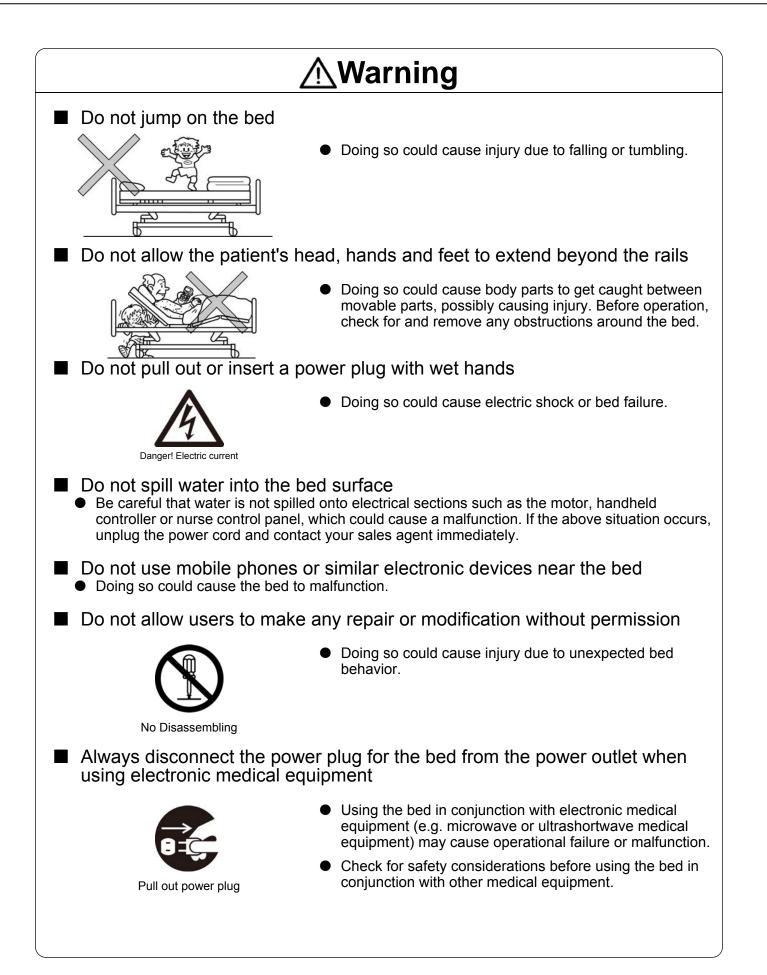


• Doing so could cause body parts to be caught between the movable parts and the frame as well as bed bases, causing injury.



SAFETY PRECAUTIONS

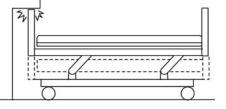




∕∆Warning
 Do not attach restraint belts to the main frame or rails Doing so could contort the patient's body due when the back or knee section is raised or other operations are performed, possibly causing injury, and could also damage or deform the bed.
 Use the bed in a way that matches the patient's condition. Since patients have different symptoms, their condition could deteriorate if the bed is operated incorrectly. Before allowing patients or family members to independently operate the unit, referring to the Operation Manual, first have a doctor or nurse explain operation methods that take the patient's condition into consideration.
 Be care about the state of bed base angle, height, and rail spacer, etc. when the nurse leaves or temporarily leaves. To prevent the patient falling off the bed when the doctor, nurse or caregiver leaves or temporarily leaves, please adjust the bed base to the horizontal position and lower the bed height to the lowest position. Always use the rail or the one with a spacer for the patient who cannot control his posture or have difficulty in walking.
 Do not attempt to attach other than specified products to the bed Only attach specified rails, mattresses and other accessories directly to the bed. If used with other than specified products, the bed could be exposed to additional load, possibly causing injury or bed failure.

ACaution

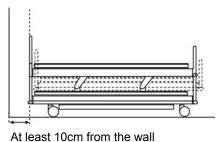
■ When performing the height adjustment or inclination angle adjustment, pay attention not to hit the wall, beam, or power outlet on the wall.



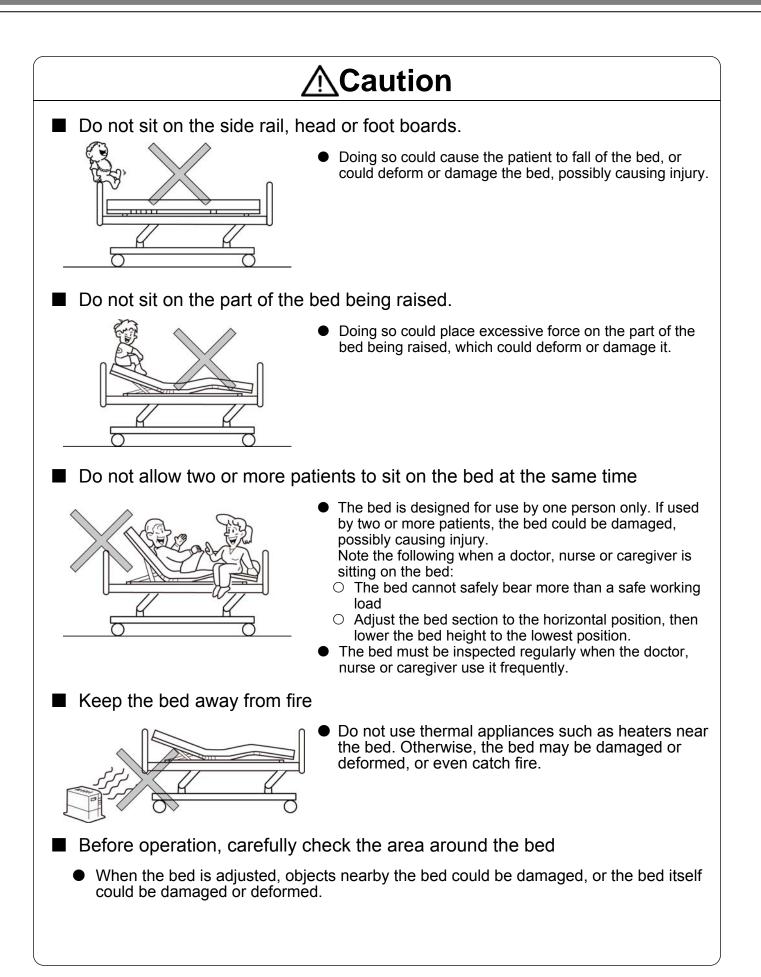
 When performing the height adjustment or inclination angle adjustment, pay attention not to hit the wall, beam, or power outlet on the wall.

Make sure that the bed is at least 10cm from the wall when performing the height or inclination angle adjustment.

8



• When the height is adjusted, the movement range is about 35cm vertically and about 8cm horizontally. Make sure that the bed will not contact the wall and post when using. Make sure that the bed is at least 10cm from the wall.



Head board

(Foot board)

ACaution

Always tightly fasten the fasteners of the head board and the foot plate.

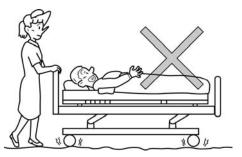
- If casters are not locked and you attempt to move the head and foot board or hold them to support yourself, the head or foot board could become loose or fall over off, possibly causing injury.
- The angle of the leg section base must be adjusted by at least two persons from both sides of the bed.



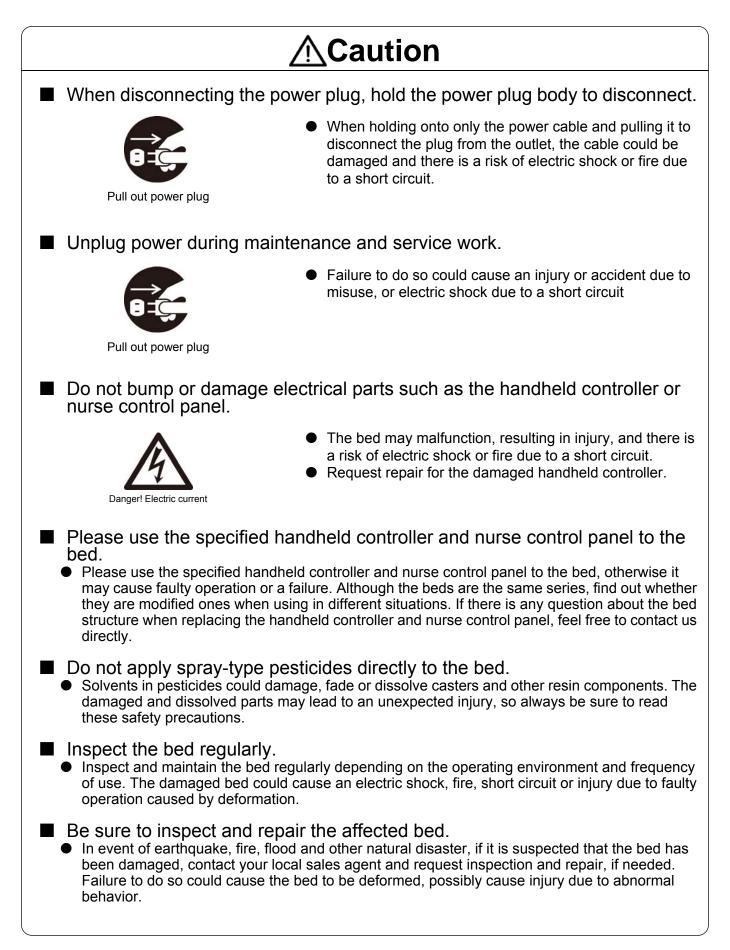
Unloc

• If only one person attempts to adjust the angle, the person may get caught between the leg section base and main frame, resulting in injury.

- Do not hold the rails to move the bed.
- Doing so could damage or deform the rails.
- Do not put the patient's feet under the rails when making height or tilting adjustments with the rails lowered.
 - Failure to do so could cause the feet to get caught, causing injury.
- Watch your step when moving the bed.
 - Be careful not to touch the caster operation pedal or get caught in the caster, or else it may cause injury.
- Avoid transporting over uneven floors



• Failure to do so could damage or deform the bed, causing a failure. If moving on uneven floor is necessary, move the bed as slow as possible.



	Product name		CA – S series Electric Hospital Bed		
	Model		CA-48A	CA-49A	CA-41A
	Medical device registration no.		Registration no. 2560069 Approved in 2011 by the Medical Devices Division of JWFDA		
	Product quality standard		YZB / JIANGSU 0053-2011		
	Approved code of medical device manufacturer		Manufacturer no. 2005-0007 Approved by the Medical Devices Division of JWFDA		
	Means and extent of protection for electric shock		Class I Type B equipment ³⁾		
	Liqu	uid inlet protection grade	IPX4		
	Working principle		Telescopic linkage device with electro-motor		
	s	Full length	2175mm (with the extension frame: 2320mm)		
	Dimensions	Full width	980mm	980mm	980mm
unit	Full height		Approx. 830mm - 1210mm		
Bed unit	Din	Mattress base height above ground	Approx. 420mm - 800mm		
		Caster	Center braking		
	Product weight		Approx. 143kg	Approx. 144kg	Approx. 146kg
		Bed frame		Steel	
	Material	Mattress base	Steel / X-ray p	permeable mattress section	n (user option)
		Head/foot boards		Resin	
		Bed side rail		Resin / metal	
	ළි Back raising		0°~75°		
	Movement range	Knee raising		0°~45°	
	eme	Hi-Low range		420mm~800mm	
	Mov	Inclination angle		-16°~16°	
		Safe working load 1)	220kg		
			Ι		

Electrical equipment	Mode		Linear actuator
	Power voltage, frequency		AC 230V 50/60Hz
	Rated capacity		Below 100VA
	Max. continuous use time		Approx. 2 minutes (the stop time is approx. 18 minutes) ²⁾
	Protective fuse capacity		5.0A
	Internal power supply	Battery specifications	Small, sealed lead-acid battery 12VDC/1.3Ah × 2
		Fuse specifications	60V/3.75A

1) The safe working load includes the weight of accessories, bed base and other items.

2) The overheating protection of the control box will be enabled automatically after the bed exceeds the max. continuous usage time (approx. 2 minutes).

3) Safety classification: the equipment that cannot be used under the flammable anesthetic gas mixed with the air, oxygen or nitrous oxide.

Installation site

To avoid possible malfunctions, do not install the bed in the following locations.

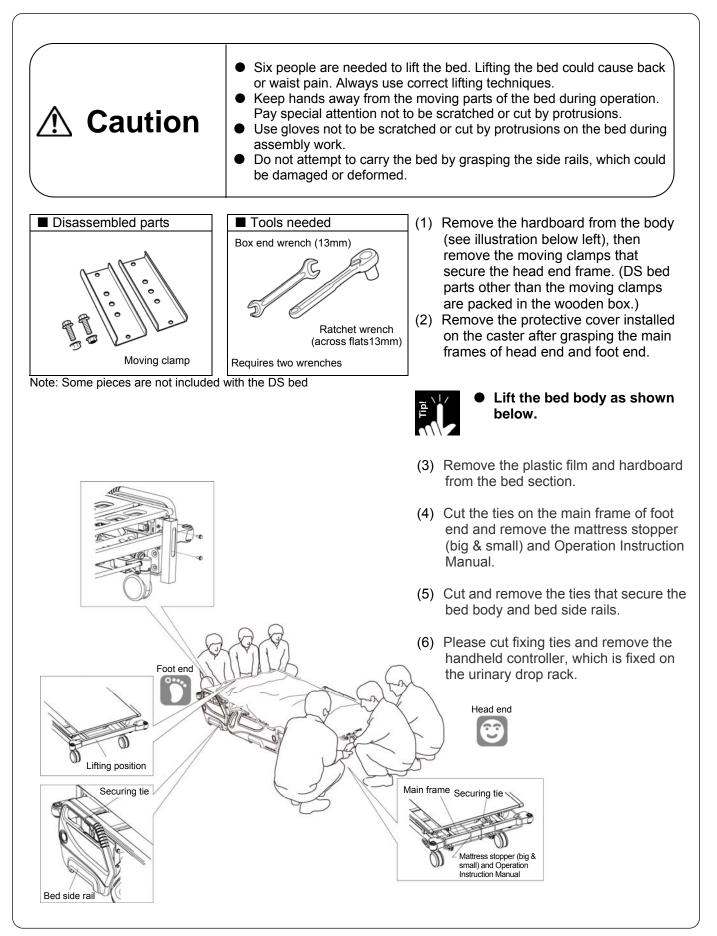
- Locations exposed to direct sunlight.
- Locations near heat sources such as a stove or heater.
- Locations exposed to excessive amounts of water vapor or oil vapor.
- Places that tend to be exposed to high temperatures, high humidity or dusty environment.
 - * Please use the bed in the following environment
 Temperature 5~40°C, humidity 30~75%, atmospheric pressure 860~1060hpa
- Locations with a large amount of dust, smoke, salt, sulfur, or corrosive substances.
- Locations with poor ventilation.
- Places exposed to vibration or impacts (including when transporting the bed).
- Locations where the floor is not level.

Transportation and storage

The packed electric bed should be stored in a dry and well-ventilated room not exposed to corrosive gases, and transported using a suitable vehicle. During transportation, the bed should be protected against strong impact, vibration, squeezing and moisture.

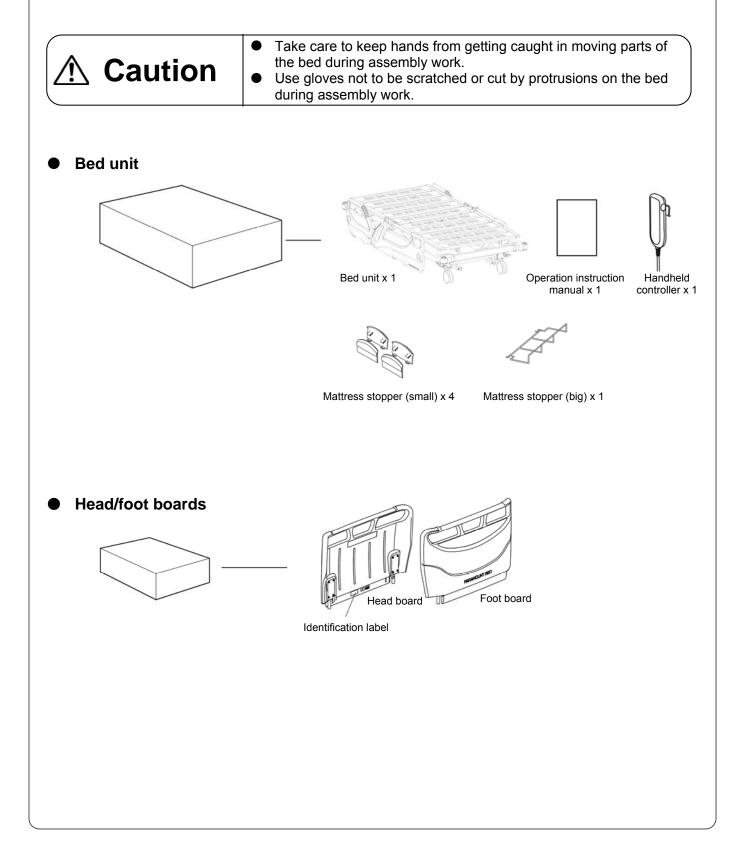
Transport and store the bed in the following environment

- Ambient temperature: -10°C~55°C
- Relative humidity: ≤75%
- Atmospheric pressure: 500hPa~1060hPa

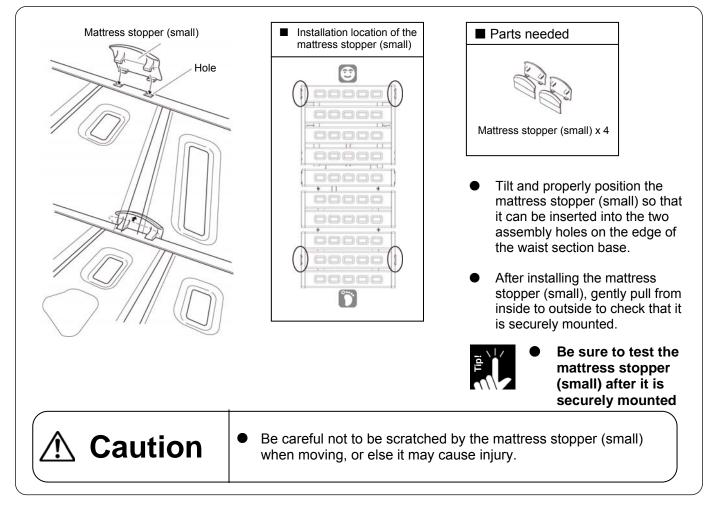


• After unpacking, check the following parts to confirm that they are intact and are not damaged.

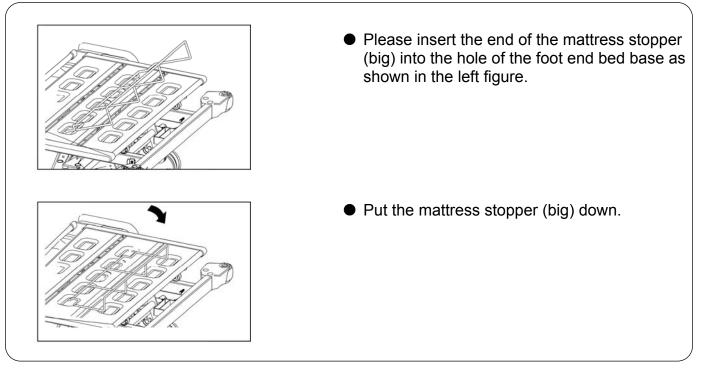
If incomplete or damaged parts are found, contact your local sales agent.



1. Attaching the mattress stopper (small)

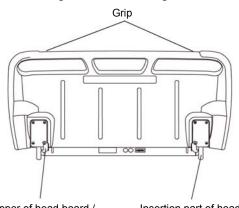


2. Attaching the mattress stopper (big)



3. Attaching the head and foot boards

The head board / foot board can be installed and disassembled. The head board / foot board can be used after disassembly when washing hair, training legs and conducting the foot massage.



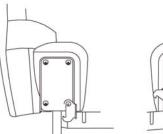
Stopper of head board / foot board

Insertion part of head board / foot board

Lock position

Mounting hole of head board / foot board

Unlock position



Gap



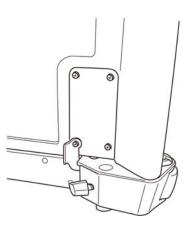
Corner bumper

[Attachment method]

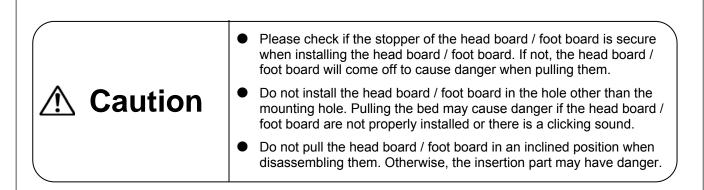
- (1) Adjust the stopper of the head board / foot board to the unlock position.
- (2) Hold the grip of the head board / foot board with your hands to insert their insertion parts into the mounting hole of the bed body.
- (3) Rotate the stopper of the head board / foot board under the corner bumper.
- (4) Gently pull the head board / foot board to check if it is locked.

[Disassembling method]

- (1) Rotate the stopper of the head board / foot board to the Unlock position.
- (2) Hold the grip of the head board / foot board with your hands, and gently pull the head board / foot board to check if they are locked.



Lock condition



4. Installing the handheld controller

I Handheld controller

- The handheld controller can be only mounted using the holes on both sides of the bed.
- Please hang the handheld controller on the specified position of the rail.

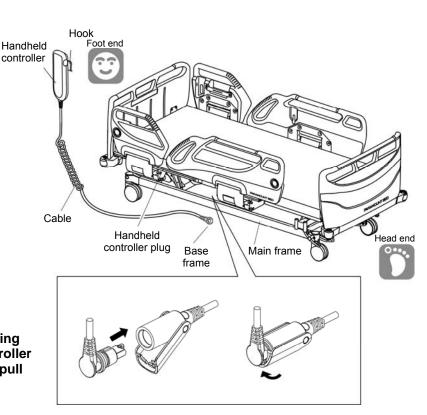
Attachment method

- Insert the plug into the handheld controller outlet with the protrusion of the handheld controller plug.
- (2) To prevent the handheld controller plug being damaged, make sure to use the clip on the cable so that it does not come out.

Warning



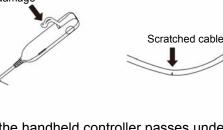
When inserting or pulling out the handheld controller plug, always insert or pull the plug out straight



To prevent faulty operation, please set the handheld controller to an operation disabled state according to the following procedure if necessary. • Use the handheld controller operation disabling switch of the

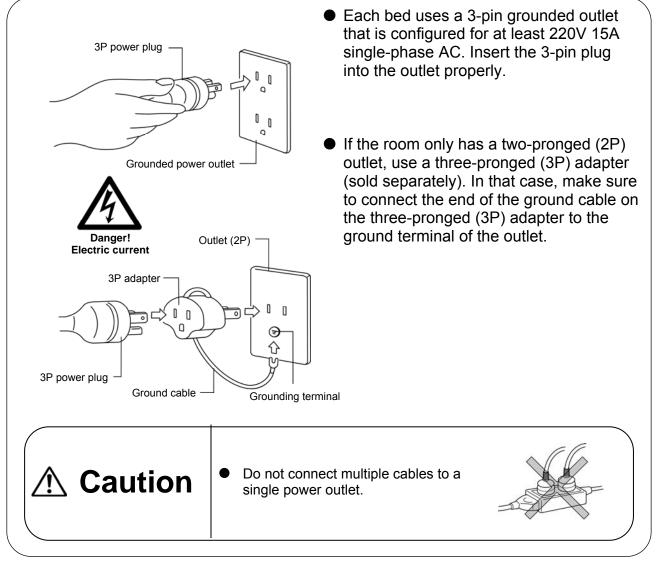
- handheld controller to disable operation.
 Use the nurse control panel disabling switch of the handheld controller to disable operation.
- Do not drop the handheld controller or pull the cable. The handheld controller may get damaged or deformed, causing it to operate incorrectly. Request repair (or replacement) of a damaged handheld controller.
 Hook damage



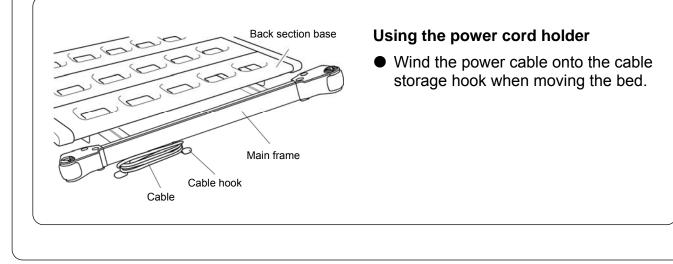


- If the handheld controller passes under the base frame, the cable could be snapped while adjusting the bed height, causing a malfunction.
- If the handheld controller passes under the rail bracket, the cable of the handheld controller could get caught during rail operation, causing a malfunction.

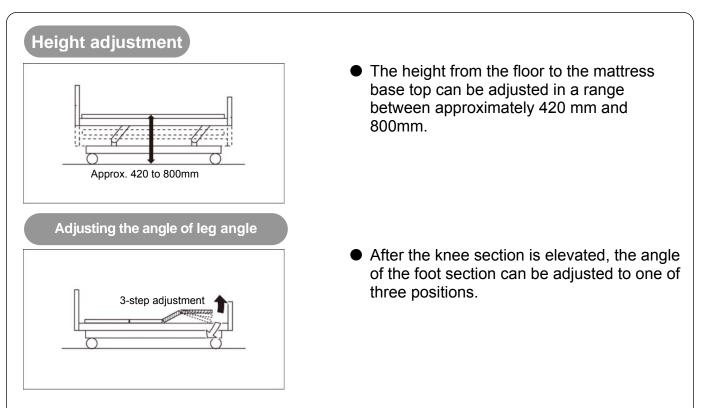
1. Power outlets



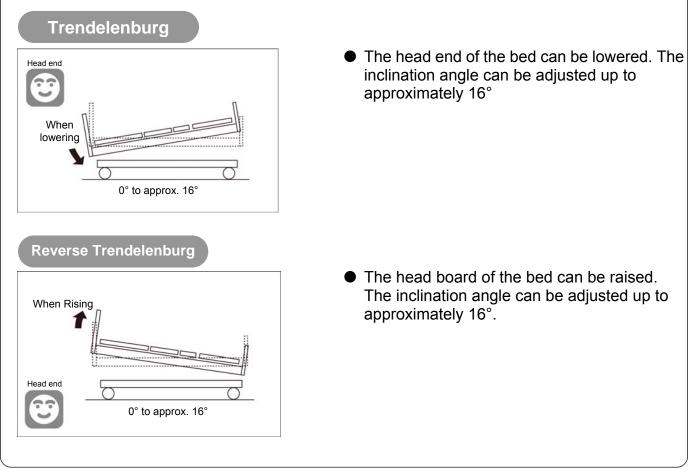
2. Using the cable storage hook



A Warning	 Do not place the patient's head, hands and feet beyond the rail or in the gaps in the head board. Doing so could cause them to get caught in the moving parts when using the bed or rail. Do not attempt to crawl under the bed and do not place head, hands or feet under the bed, which could cause to body parts to get caught in moving parts, the bed frame or rails. When rails are folded, while adjusting the bed height and inclination angle, pay special attention to the distance between the rail and ground to ensure toes are not pressed, which could possibly cause an injury 		
▲ Caution	 Do not place items under the bed or rails. Items could be caught in the bed frame or between the rails and the ground when the bed is moved, which could damage or deform the bed and rails. 		
angle can be adjusted i	knee section up/down, the overall bed height and the inclination n a stepless manner using the motor drive. This can be done by d controller and nurse control panel.		
The leg angle can be m	anually adjusted in three levels.		
Back-raise	 The back section base can be adjusted from an angle of 0° to approximately 75°. 		
Knee-raise	 The knee section can be adjusted from an angle of 0° to approximately 45°. 		
Angle limit function	 In order to reduce the feeling of pressure on the chest and abdomen, the bed operates while maintaining the angle between the back and knee section bases at 90° or more. 		



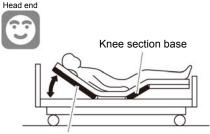
The tilt angle of the bed can be adjusted in a stepless manner using the motor drive. This can be performed using the nurse control panel.



Auto-contour motion

Auto-Contour up

- The back and knee section are raised at the same time
- (2) The knee section stops when it is raised to 25° while the back section continues to rise until it is raised to 65°.



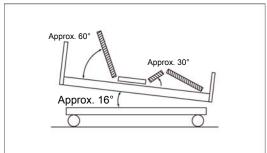
Back section base

Auto-Contour down

- The back and knee section are lowered at the same time
- (2) The knee section stops when it is lowered to horizontal position while the back section continues to decline until it is lowered to horizontal position.

Cardiac position

As the back section and knee section are raised, the entire bed tilts toward the foot end, at the same time forming a chair-like configuration. This is called Cardiac chair status. This position can be accessed using the nurse control panel.

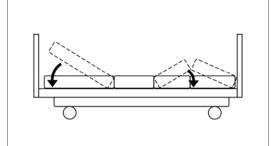


- By pressing the CARDIAC/FLAT button on the nurse control panel and then holding the UP button, the cardiac position illustrated in the figure to the left can be obtained.
- The back section base and knee section base move in conjunction until the angle of the back section base reaches approximately 60° and that of the knee section base reaches approximately 30°. The bed then inclines and the head end rises until the angle between the main frame and base frame reaches approximately 16°.

A Warning	• When operating the Cardiac chair, make sure that the patient's head, hands, feet and other body parts do not get caught in the gaps between the rails, back section and bed frame, which could possibly cause injury.
▲ Caution	 When making height and tilting adjustments with the side rails folded, do not put the patient's feet under the side rails, which could catch the patient's feet, possibly causing injury. Do not allow the patient to attempt to get out of the bed in Cardiac chair position; the patient could fall off the bed, possibly causing injury. Only use the Cardiac chair function under doctor or caregiver supervision.

Flat function

The horizontal state can be obtained by one key recovery



 The angle between the back section base and knee section base can be returned to 0° after the inclination angle of the bed reaches approx. 0°.

Electric CPR

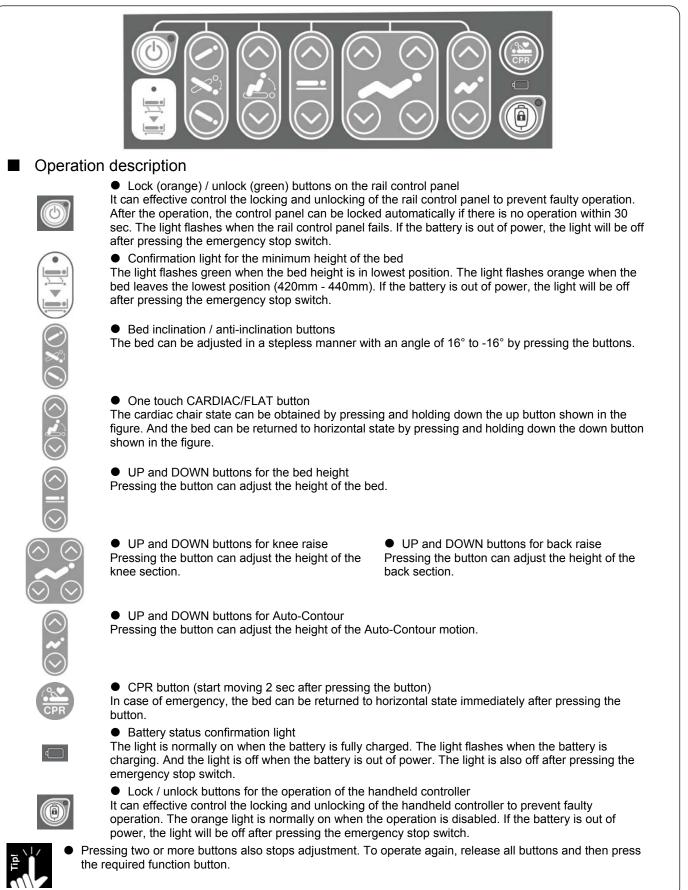
- It can make the bed return to the horizontal state in case of emergency.
- The back and knee section can return to 0° and so does the inclination angle 2 sec after pressing the electric CPR button.
- The back section restores at the speed of approx. 2 times faster than the normal state.

1. Handheld controller

	and knee section bases and the bed height can be adjusted with no andheld controller operation.
▲ Warning	 If a child aged 12 or under, or someone deemed incapable of comprehending the operation (such as a person with dementia) operates the handheld controller by themselves, there is a risk of unexpected injury. If such person can come into contact with the handheld controller, limit the operation by either of the following methods in order to prevent accidents caused by incorrect operation. Use the handheld controller operation disabling switch to disable operation. Use the nurse control panel to disable the handheld controller operation. Unplug the power and turn off the battery After setting handheld controller operation disable operation.
	bed, and releasing the button stops adjustment, allowing you to adjust the bed to the \uparrow button to raise the desired section and press the \downarrow button to lower the desired section.
	 Indicator light of the handheld controller ON (green): Normal power ON status Flash (green): The control panel on the rail may have a failure OFF: Disconnection of handheld controller, failure, out of power, outage, and emergency stop switch pressed, etc.
	 UP and DOWN buttons for Auto-Contour The knee section base operates appropriately during back-raising or back-lowering operation.
	 UP and DOWN buttons for the bed height The bed height can be adjusted.
	 UP and DOWN buttons for back section The angle of the back section base can be adjusted.
PARAMOUNT BED	 UP and DOWN buttons for knee section ● The angle of the knee section base can be adjusted.
	 Pressing two or more buttons also stops adjustment. To operate again, release all buttons and then press the required function button.
	 If the handheld controller does not work, check if the Handheld controller Lock key is in the lock state after confirming there is no failure.

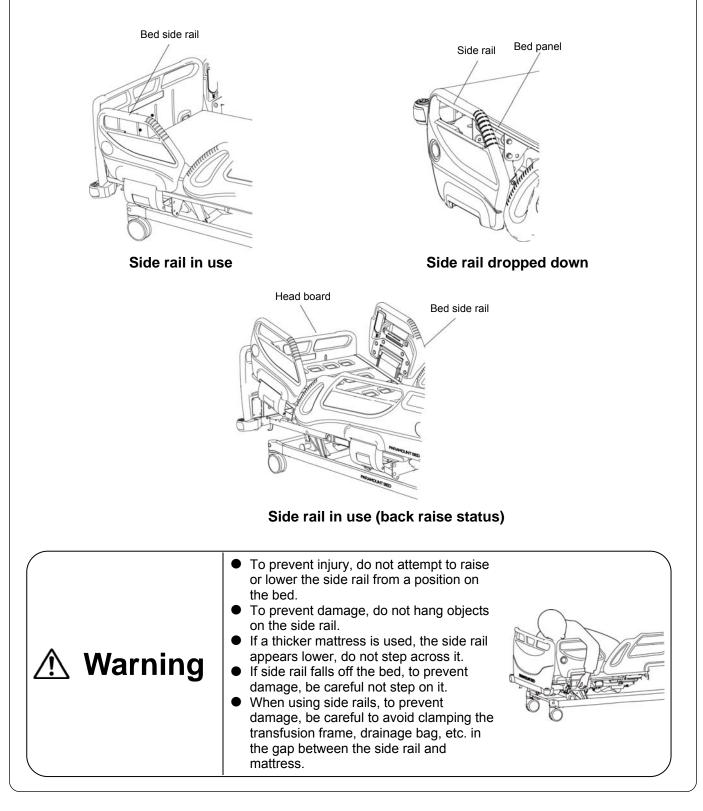
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2. Rail control panel

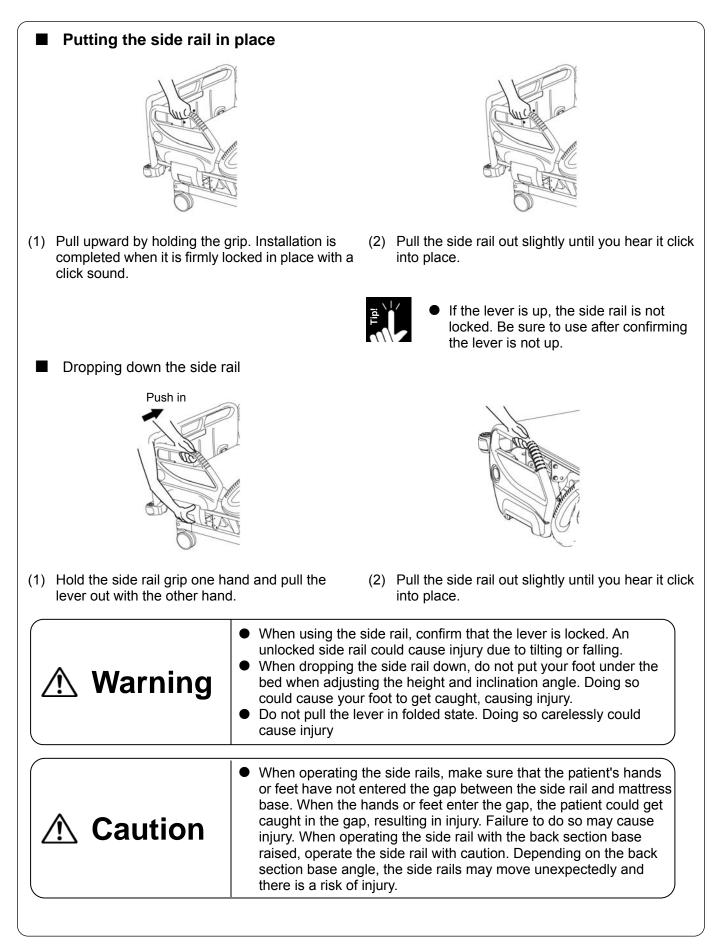


3. Bed side rail

- The side rails on the head side are installed on the bed panel. To protect the upper body of the patient as much as possible, the side rail lifts together with the back section.
- Side rails can be dropped down below the mattress base when not in use. When the patient is getting on/off the bed, or during inspection or treatment, you can drop the side rail down to store it for later use.

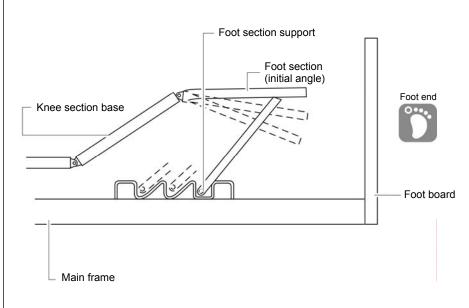


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4. Adjusting the leg angle

After the knee section is lifted, operate the foot board and support it with your hand to adjust the angle.



Reducing the angle

Lift the front end of the foot section with one hand, and at the same time lift the support of the foot section with the other hand, then slowly lower the foot section down. Loosen the support of the foot section when the desired angle is obtained, and then slowly lower the foot section, until the weight of the foot section cannot be felt.

Increasing the angle

Lift the front end of the foot section and slowly lower it until the desired angle is obtained.

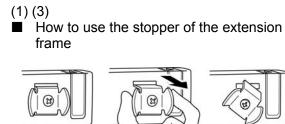


When the angle is adjusted, if the knee section is lowered to horizontal position, it will return to the initial angle when lifted again.

1 Caution

When adjusting the angle, the assigned position shall be held by two persons. Stop if you cannot feel the weight of the foot board. Do not release the foot section when holding it as doing so could cause hands to, be caught between the foot section and the main frame.

5. Extension frame function



[Lock] [Pulling direction] [Unlock] Pull out in the direction indicated by the arrow as a bone (2)Mattress stopper (big) Foot end • Extension frame (4)Mattress stopper (big) (**B**) A () B (5)

()

The bed will be suitable for taller patients after installation of the extension frame and the special extended mattress.

[Pulling out the extension frame]

- Pull out the lock buttons of the frame on left and right positions of foot end and rotate them to 45° to put the lock buttons in unlocking status.
- (2) Hold and pull out the extension frame as shown in the figure.
- (3) Rotate the lock button of the frame back to the locking position. Gently pull the foot board to check if the lock button is locked.
- (4) Pull up the mattress stopper (big) in an inclined state and install it in the position shown in Fig. (A).
- (5) Position the upper extended mattress (sold separately), and then fix the extended mattress on the mattress stopper with its fixed rope (1 place each side).

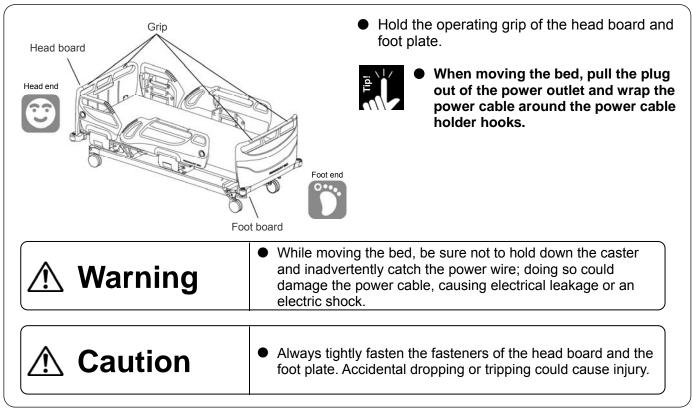
[Dropping down the extension frame]

- Untie the fixed rope of the extended mattress (sold separately) and remove the extended mattress.
- Pull up the mattress stopper (big) in an inclined state and install it in the position shown in Fig. (B).
- Pull out the lock buttons of the frame on left and right positions of foot end and rotate them to 45° to put the lock buttons in unlocking state.
- Hold and pull in the extension frame as shown in the figure.
- Rotate the lock button of the frame back to the locking position. Gently pull the foot board to check if the lock button is locked.

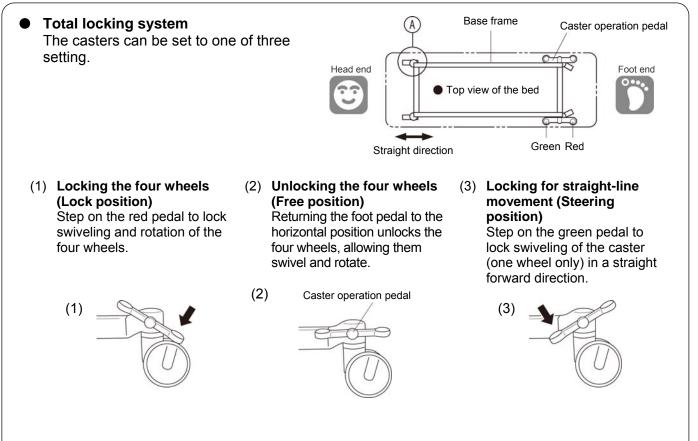
10 OPERATION OVERVIEW

	 When dropping down the extension frame, be care that hands and feet may get caught in the gap between the bed body and extension frame, causing injury.
	Confirm that the stopper of the extension frame is locked and there is no gap between the bed body and stopper. When moving the bed, the stopper may pop up and cause damage if the extension frame is touched accidentally.
▲ Caution	 Do not put objects with a weight of more than 10kg on the extension frame. Otherwise, it may cause damage to the bed and result in injury.
	 When used, always use the fixed rope to fix the extension frame (sold separately), because it may cause injury once falling over.
	Do not put hands, feet, etc. on the end of the extension frame (sold separately), because the support will make the frame lose balance and fall down.

6. Moving the bed

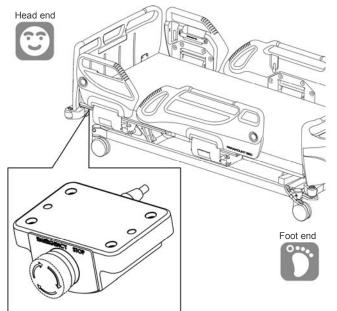


7. Locking the casters



8. Emergency stop button

■ In case of emergency, you can stop motion of the electrical drive part of the bed.



<Emergency stop button procedure>

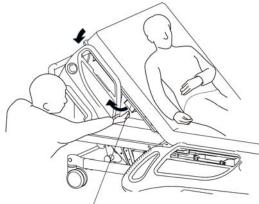
- (1) Press the red emergency stop button down to activate the emergency stop button.
- (2) To release the emergency stop button, rotate the red button in the indicated direction until the button pops up automatically.



After the emergency stop button is pressed down, the electrical drive is disabled; if the back section is raised and you want to return it to horizontal status, the back section emergency lowering function can be used to do so.

9. Emergency CPR (back-lowering) function

- In case of an emergency or a power failure, the raised back section base can be quickly returned to flat status.
- Emergency back lowering levers (orange) are located on the lower side of the waist section; every operating lever can be operated.
 - After lowering the emergency back, press the back-lowering button of the handheld controller to reset operation (when the back section base is in the lowest position, press the back-lowering button for about 3 sec. For more information, please refer to page 41). The back section base without reset cannot be raised again.



<Emergency CPR procedure>

- Place one hand on the side of the back section base and pull the emergency CPR lever (orange).
- (2) Keep pulling the lever until the back section base returns to flat status. (If you release the emergency CPR lever halfway through, the back-lowering operation is stopped.)

Emergency CPR lever (orange)

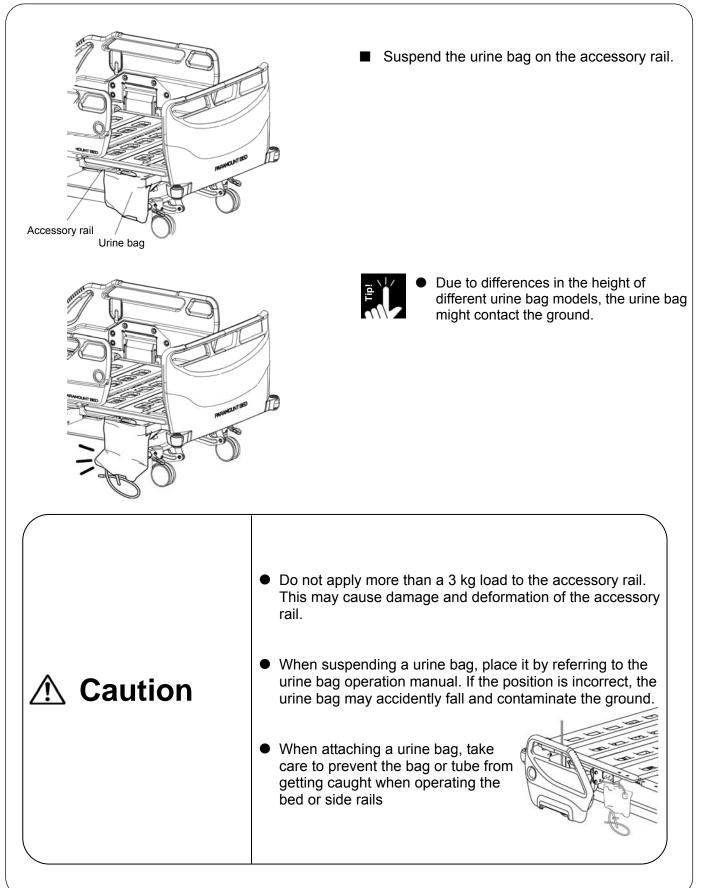


Depending on the patient's weight, the back section base may not be lowered. In such a case, lightly push down the back section base.



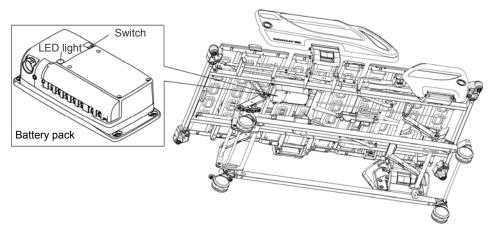
 During the emergency CPR operation, make sure that the patient's head, arms, feet, or other body parts have not entered the gap between the back section base and the frame. There is a risk of getting caught, resulting in injury.

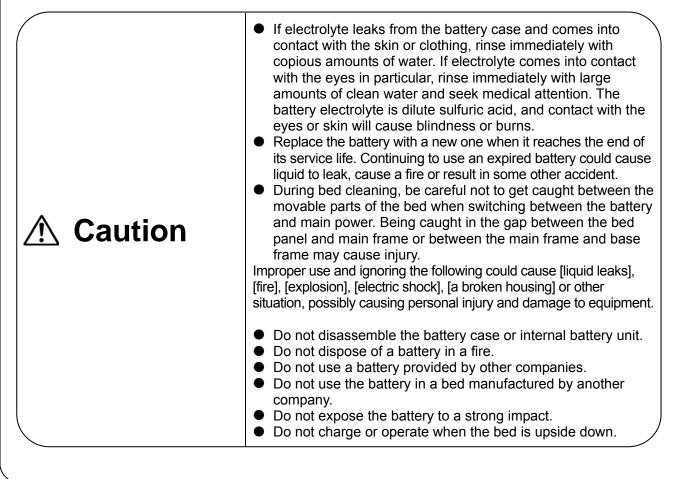
10. Accessory rail



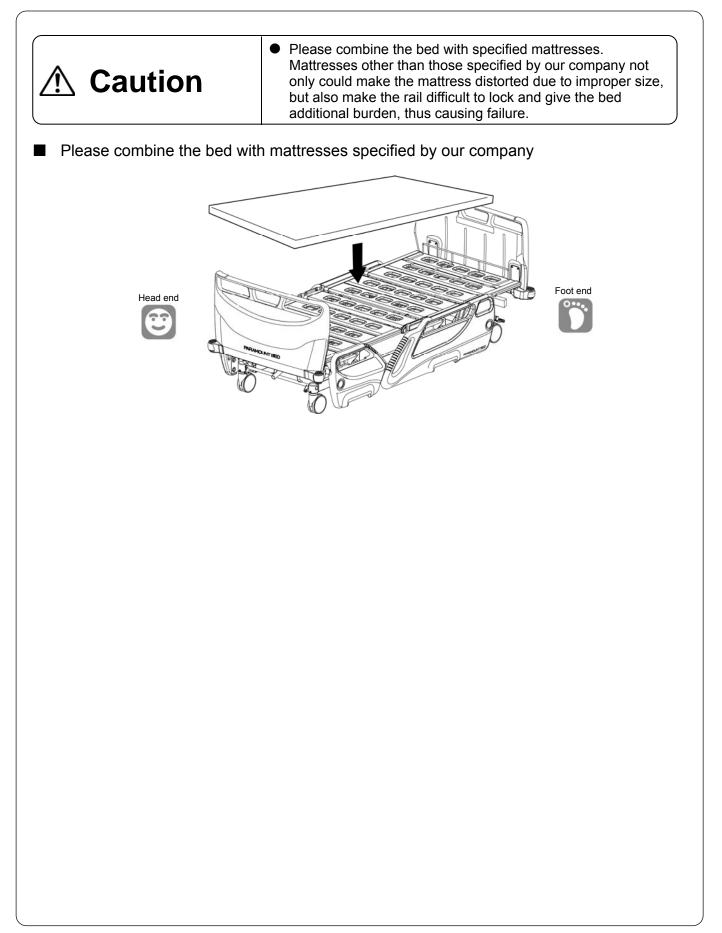
11. Battery

- In there is a power failure or similar situation, the emergency handle can be used to adjust the height and angle of inclination, perform and back and knee lifting operations. (If the bed is equipped with a battery, after the battery control switch is switched ON, adjustment can be performed using the handheld controller or nurse control panel.)
- The main power switch is turned off by default. After purchasing, the battery shall be fully charged after use.
- After the battery is fully charged (about 8 hours), it can handle a normal work load.
- Hospital beds can be used normally while the battery is charging.
- ON): When the power is turned on, the battery will start charging automatically, and ON button will be enabled automatically. At this moment, LED light will light up (green)
- OFF): When cleaning the bed or store it for a long period of time, unplug the power line, turn off the battery and rotate the button to OFF. At this moment, LED light will be off.



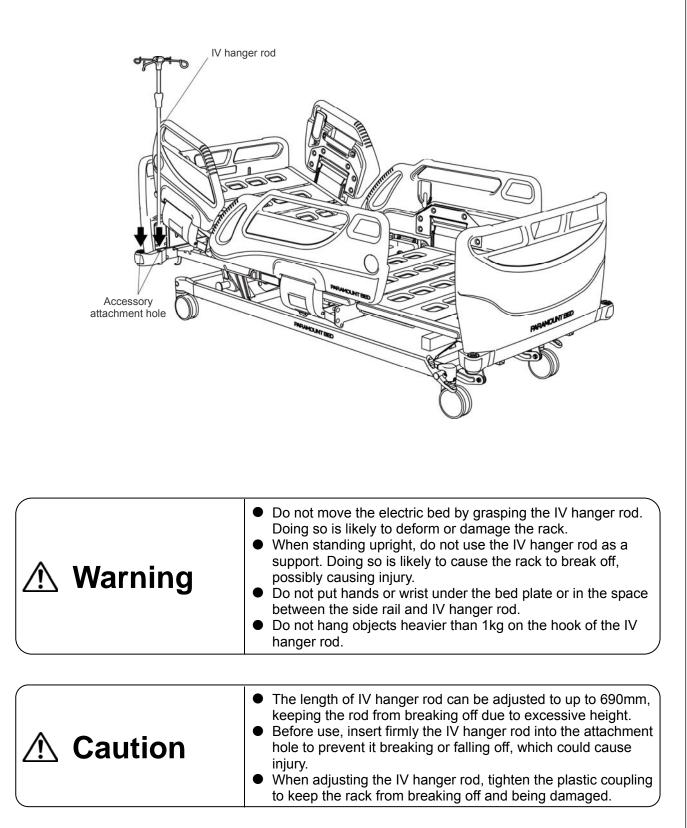


11 MATTRESS PRECAUTIONS



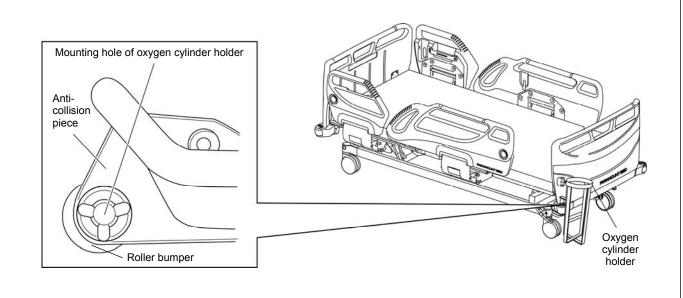
1. IV hanger rod

Insert the IV hanger rod into the accessory attachment holes into one of the four corners of electric bed. Before installation and use, carefully read the accompanying operation instructions.

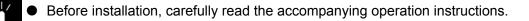


2. Oxygen cylinder holder

- The oxygen cylinder can be used after installing its holder.
 - Install the oxygen cylinder in the mounting hole of its holder (located in the anti-collision piece at four corners of the bed).



▲ Warning	 Do not put the items or feet into the oxygen cylinder holder, or else it may cause damage or injury due to getting caught when making height or inclination adjustments. The oxygen cylinder holder must be installed in the specified mounting hole, or else it may damage or deform the oxygen cylinder due to falling off when the bed moves.
▲ Caution	• When using the oxygen cylinder, be careful not to touch the flow meter during moving, or else it may cause damage to the flow meter, resulting in failure or injury.



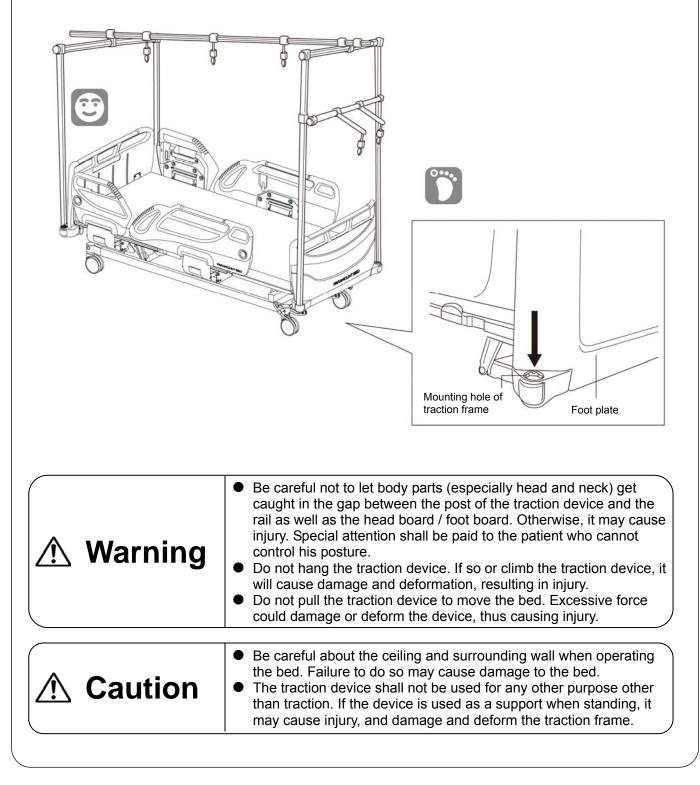
3. Traction frame

■ Insert the traction frame to its mounting holes before use.

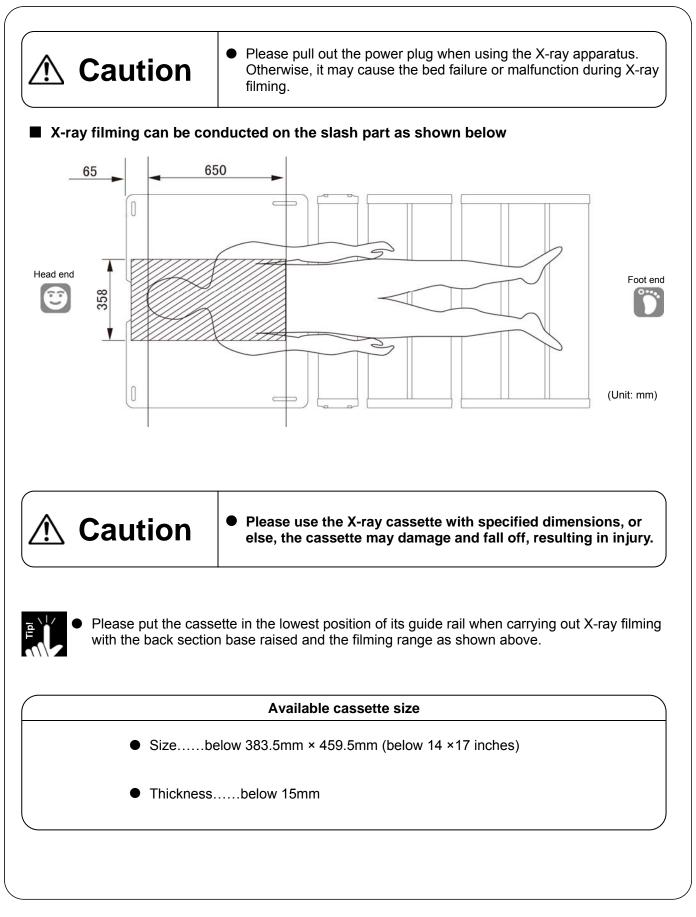


Please read the attaching Installation and Operation Instruction of the traction device for installation details and usage.

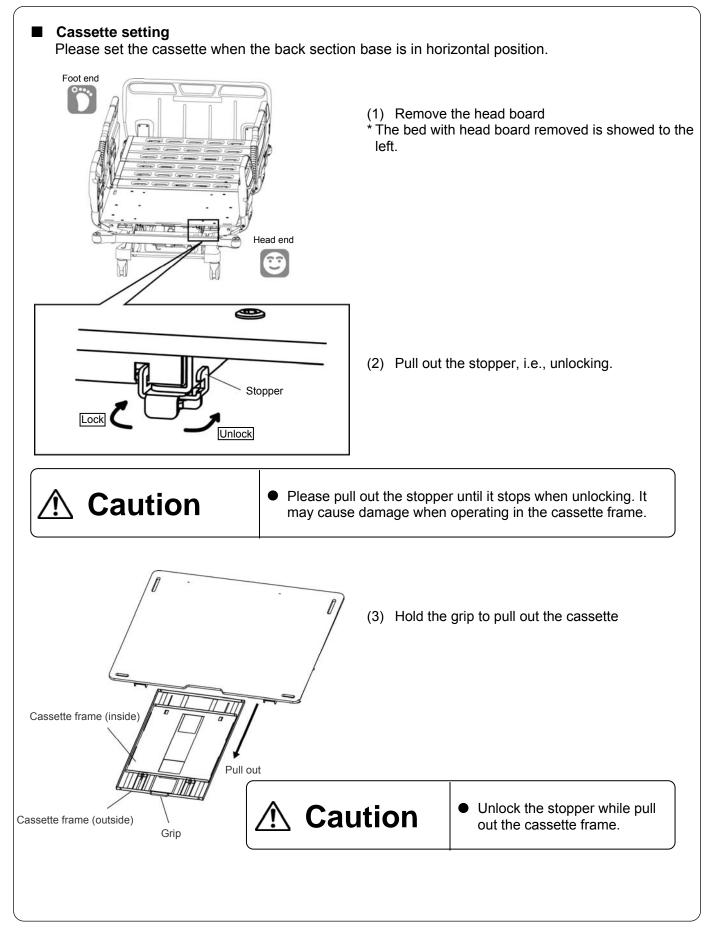
• The traction frame and IV hanger rod (infusion rod) cannot be used at the same time.



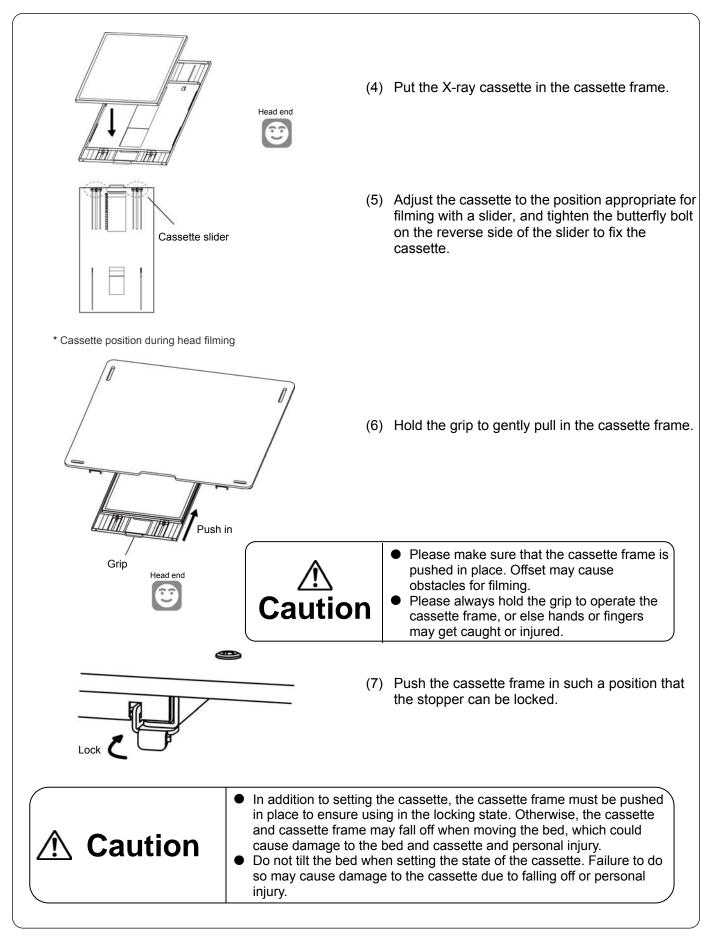
4. X-ray cassette holder



ACCESSORIES



ACCESSORIES



■ For safe use, please carry out the periodic inspection once a year. The product could subject to wear or deteriorate depending on the frequency of use and operating environment. Periodic inspection shall be conducted on the movements of all elastic parts and moving parts for damage.

	Operation	Inspection point
	Back raising	Check if it can operate normally
	Dack raising	Check for abnormal sound
	Knee raising	Check if it can operate normally
		Check for abnormal sound
	Height inclination	Check if it can operate normally
Bed body		Check if there is obvious abnormal sound
	Others	Check if the fender wheel and resin parts are free from damage and deformation without any falling off
		Check if the label is free from unclear text without any peeling off.
		Check if the bed base and frame are free from scratching and deformation.
Head board / foot board	Installation of the head	Check if the stopper is locked
	board / foot board	Check if there is obvious shaking
	Moving	Check if there is abnormal sound when moving the bed
		Check if there is abnormal vibration when moving the bed
	Caster locking	Check if it can operate normally
Caster		Check if there is abnormal load bearing sense during operation
		Check if the bed moves when locked
		Check if the bed moves smoothly when unlocked
		Check if the straight-line caster shakes when locked in a straight forward direction
	Rail operation	Check if it can operate normally
Rail		Check if there is abnormal sound and shaking
Tall		Check if there is abnormal load bearing sense during operation
		Check if any power line winds on the bed
Motor	Visual inspection	Check the plug and cable for damage.
Wotor		Check the handheld handheld controller and rail control panel for damage

- Problems may not always indicate faults. Check the following once again before requesting repair.
- If the problem persists after taking corrective actions, stop using the bed immediately, disconnect the power plug from the outlet, and contact your dealer for repair. With respect to an electric bed with battery, turn OFF the battery at the same time.

Phenomenon	Check	Corrective action	Reference page
 The bed does not work or have a failure after pressing 	• Check if the power plug is plugged into the outlet.	• Plug the power plug into the outlet.	19
	• The power plug is plugged into the outlet but the bed still does not move.	 Plug another electrical device into the outlet to check that power is available. 	-
	 Check if the operation selection lamp on the handheld controller is OFF. (handheld controller only) 	• Use the nurse control panel operation disabling switch to select a setting that allows operation.	25
	 Check if the rail control panel is set to disable state. (Rail control panel only) 	 Unlock the control panel 	25
the handheld controller, rail and control panel button.	• Check if the emergency stop switch is pressed.	 Unlock the emergency stop switch 	32
	 Check if the indicator lights on the handheld controller and nurse control panel is on/off or flash. 	 Contact your dealer to replace the nurse control panel. 	24·25
	 Check if the battery is turned OFF? 	• Turn ON the battery.	34
	 Check if the battery charging warning light on the rail control panel is on. 	 Charge the battery. 	25
	None of above	 Please refer to Reset for details 	41
	 Check if the handheld controller plug is disconnected from the handheld controller outlet. 	 Plug the power plug into the outlet. 	19
The POWER lamp on the handheld controller is off.	• Check if the handheld controller cable falls out of the handheld controller outlet?	 Please insert the plug of handheld controller into the outlet. 	24
	• Check if the operation selection lamp on the handheld controller is OFF.	• Use the nurse control panel operation disabling switch to select a setting that allows operation.	25

	Phenomenon	Check	Corrective action	Reference page
•	The back does not raise after pressing the handheld controller	 Check if the motor is reset after emergency back-lowering. 	 Please reset the motor before restart. 	44
•	The handheld controller and nurse control panel lamps are off. The power lamp flashes when the button is pressed.	 Did you try to operate the bed repeatedly? 	 Please reset it before restart. 	-
•	Parts do not move normally.	 Is there an obstruction in moveable parts? 	 Remove any obstructions. 	5
•	The bed cannot be moved.	 Check if the casters are locked. 	 Unlock the casters 	31
•	The board will not come off.	• Check if the board is locked	 Unlock the board stoppers 	17

Reset

- Please always reset it if any abnormal phenomena are found when performing the operations as described in the table below. If the back section, knee section and height of the bed cannot be adjusted after resetting, please contact us directly.
- If the problem persists after resetting, please contact us directly.



• When the emergency stop switch is ON, the bed will stop moving. The bed can start moving after rotating the emergency stop switch to OFF.

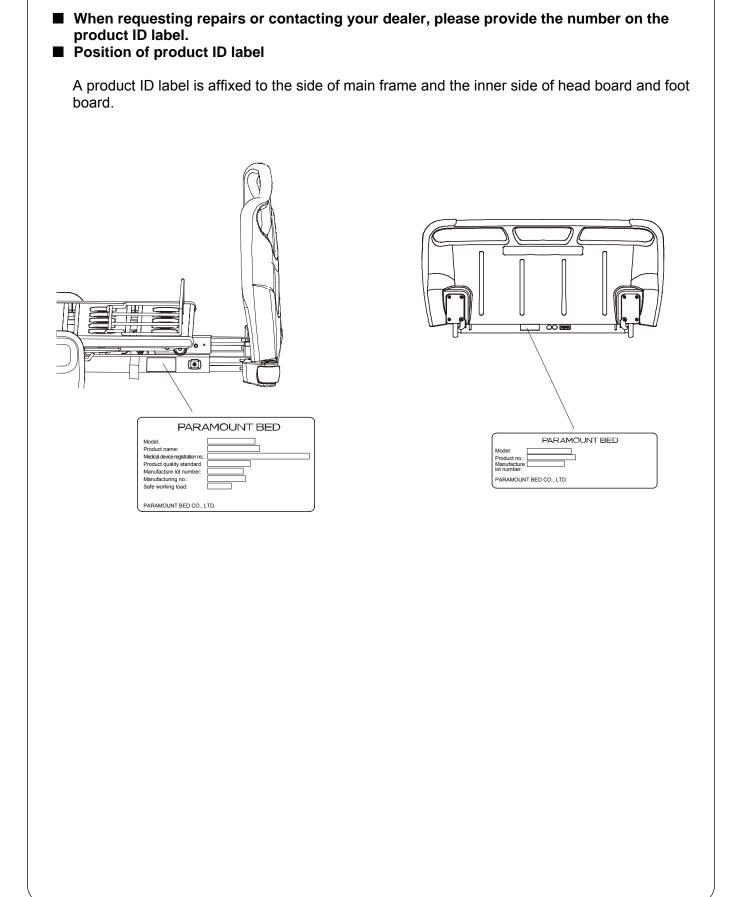
Operations and situations		Resetting parts
•	After using the emergency back-lowering function for back lowering	Back section
•	The bed stops halfway or does not move after pressing the operation button when the LED light of the handheld controller and lock button light of the rail control panel are on or flash	Stop the moving parts halfway and no moving parts
•	After restarting the control box	Back section, knee section, height

Resetting procedure

- (1) When reset is needed, the moving part shall be lowered to the lowest position with the handheld controller or rail control panel.
- (2) You will hear a clicking sound from the control box after pressing the lowering button of the moving part for 3 sec again.



- Please reset the part one by one if several parts need to be reset. Please confirm if the bed can
 operate normally after resetting, if so, you can continue to use it.
- When resetting with a handheld remoter controller, do not perform resetting if the LED light on the controller is off. The reset can be performed only when the LED light is on or flashes.
- When resetting with a rail control panel, do not perform resetting if the lock light on the panel is orange or off. The reset can be performed only when the LED light is green (ON).



1. Storing the bed

- The following instructions shall be observed if the bed will not be used for a long time.
- 1. Please keep the back section and knee section bases in a horizontal level and lowest position.
- 2. Do not place objects other than the mattress on the bed.
- 3. Do not put objects under the mattress.
- 4. Do not store the bed in high temperature, high humidity or dusty environment.
- Store the bed in an environment with a temperature of 5 to 40°C and relative humidity of 30 to 70%.
- 5. Do not position the bed upright against a wall; always store it horizontally.
- 6. Pull the power plug out of the outlet and wrap the power cord around the power cord holder.

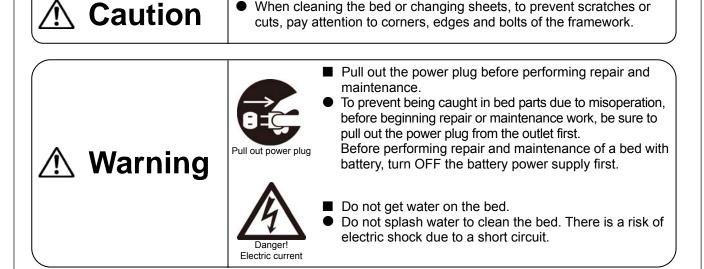
For a bed with battery, turn OFF the battery before storage.
 Note: Please charge the battery before reuse if it has not been charged for three months, even if the battery is turned off.

2. Perform spot check upon reuse

- Please check the following points before reuse.
 - Bed unit
 - * Before inserting the power plug into the outlet
 - 1. The bed board, bed frame and power plug are free of dust and dirt.
 - 2. The power cord and remote control cable are not damaged.
 - 3. Casters work well.
 - 4. Caster locking/unlocking operation works well.
 - 5. Side rail locking/unlocking operation works well.
 - * After inserting the power plug into the outlet
 - 1. The light on the remote control turns ON.
 - 2. The light on the nurse control panel turns ON.
 - 3. Back and knee section linkage, back raise, knee raise, hi-lo raise, tilt angle adjustment and adjustment of heart chair work correctly.
 - 4. The battery is charged. The electric bed can be operated using battery power. (Only applies to an electric bed with battery.)
 - Other
 - 1. The head board and foot board locking/release operations work well.
- If any abnormality is found, stop using the bed immediately and pull the power plug out of power outlet and contact us to arrange repair.

(With respect to an electric bed with battery, turn OFF the battery at the same time.)

- To prolong the service life of the bed, examine and perform maintenance every year to confirm the bolts are not loose, and add lubricating oil to movable parts.
- Do not let the bed and mattress absorb water and moisture, as the bed is likely to rust, make unusual sounds and breed bacteria. If there is a water on the surface, wipe it off right away.





The produce will wear differently depending on the operating environment and frequency of use. Conduct spot checks periodically.

If an abnormality is found, stop using the bed immediately and contact us to arrange repair.
Do not clean the bed with special cleaners used for beds.

Bed main body

- When cleaning the bed, dip a cloth in a diluted solution of neutral detergent, then wring it out thoroughly and use it to wipe the bed. Next, rinse the cloth in clean water, wring it out thoroughly again and use it to remove residual detergent. Finally, wipe it dry with a dry cloth.
- * Do not use volatile substances (diluting agents, propellant and gasoline, etc.), as doing so is likely to produce a chemical reaction and could damage the bed. If cleaning the bed with disinfectant, dilute it according to the following concentration before use.





0.05~0.2%Benzalkonium chloride0.05~0.2%Benzethonium chloride0.05%Chlorhexidine gluconate0.05~0.2%Sodium hypochlorite



• Due to the differing composition of disinfectants, their use can corrode metal or damage resin parts, causing discoloring, deformation, cracking or other adverse effects. Thus, it is suggested that the above disinfectants be used.

- Carefully read the operating Instructions for the disinfectant being used and confirm their composition before use.
- Ozone sterilizers or high pressure sterilizers are not applicable.
- Cleaning with cresol (or carbolic acid) is likely to cause the headboard or footboard decorative veneer part to discolor and deteriorate.
- Accessories

Repair and maintain them to meet the accompanying specifications.

Mattress

Repair and maintain them to meet the accompanying specifications.

1. Warranty card

Be sure to check that the required information (such as the dealer name and purchase date) has been entered on the warranty card.

2. When requesting repairs

First check the items described in "14. TROUBLESHOOTING" on p. 43 to 45 in the instruction manual. If the problem persists, contact your dealer or Paramount Bed dealer.

Details necessary when requesting repair:

- Product name and model number
- Manufacturing (batch) numbers marked on the product ID label (please see page 61 for places)
- Purchase date
- Failure details
- Purchase organization name or name, address and phone No. of the contact.

3. Parts replacement

Due to the upgrading of the products, parts of the original product might not be able to be provided lifelong.

(We ensure to provide the required parts for replacement within 6 years after the end of production.)

4. After-sales service

If you have any questions, feel free to contact us directly.

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