

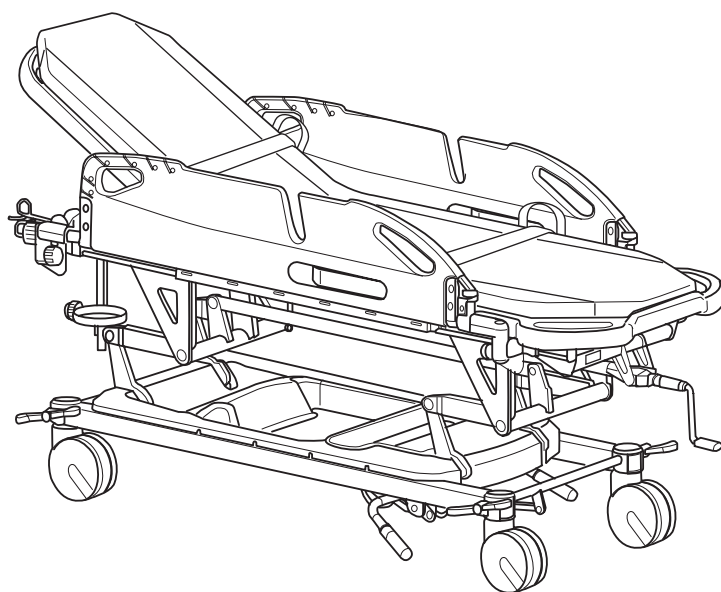
# INSTRUCTION MANUAL

KK-728E

7F07181600A1

With separate warranty card

## Stretcher Trolley



### Preface

Thank you for your purchase of the **Stretcher Trolley**.

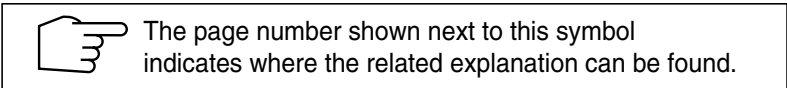
This instruction manual describes precautions and how to safely use and operate the stretcher.

- **Before using this stretcher, please read this instruction manual to fully understand the safe and proper operating procedures.**
- After reading this instruction manual, store where it can be easily accessed for later reference.
- The actual product purchased may differ from detailed descriptions given in this instruction manual due to product improvements.
- For any queries, please feel free to directly contact your distributor.

**PARAMOUNT BED CO., LTD.**

Page

## Part names



## 2 INTENDED USE/SPECIFICATIONS

### Intended use

- This stretcher is designed to be used in medical institutions to transport or treat patients.

### Specifications

Description		Stretcher Trolley
Model No.		KK-728E
Dimensions	Overall length	1930mm
	Overall width	663mm
	Height of the upper surface of the mattress base	510 – 850mm
	Back section base inclination angle	0 – approx. 70°
	Casters	150 mm dia. casters (with central locking system) with center wheel
Total weight		approx. 71 kg (not including the transfer mattress)
User's maximum weight		135kg
Safe operating load*		153kg (1500N)
Mattress	Dimensions	1900mm×530mm×20mm
	Surface material	Polyester
	Padding	Urethane foam
Materials	Frame	Steel/partially aluminum
	Mattress base	Polypropylene (PP)
	Transfer board	Polypropylene (PP)
Capacity of compatible oxygen cylinder		500 L (diameter 100 mm to 115 mm)
Accessories		IV hanger rod Load capacity: 1 kg/hook
		Oxygen cylinder holder Load capacity: 15 kg
		Tray: Polypropylene (PP) Load capacity: 10 kg
		Hook (4 pieces) Load capacity: 3 kg/piece

\* Safe operating load: maximum load with which the stretcher can be operated. (The total load of the user's weight, the mattress, and incidental items including options.)

Environmental conditions	Range	
	■ During transportation or storage	■ During operating
Temperature	-10°C – 60°C	0°C – 40°C
Humidity	0%RH – 90%RH	30%RH – 90%RH
Atmospheric pressure	700hPa – 1060hPa	700hPa – 1060hPa

#### Classification and Standards

Stretcher Trolley is designed and manufactured according to the following equipment classification and standards.

Safety standards applied;

IEC60601-1·IEC60601-2-38

EN1865

Classification according to Directive 93/42/EEC;

Class I

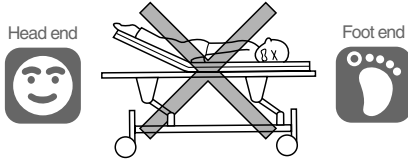
Equipment not suitable for use in the presence of a flammable anaesthetic mixture.

### 3 SAFETY PRECAUTIONS

#### **WARNING**

- Indicates actions that may result in fatal injury if ignored.

#### ■ Use the stretcher in the proper orientation.

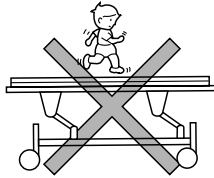


- Have a patient lie down with their head positioned at the head end and their feet at the foot end. Lying in the opposite way may induce false operation of the transfer board and the patient may fall off and get injured.
- Have a patient lie down with their head positioned at the head end and their feet at the foot end. If the stretcher's backrest is raised while the patient lies down in the opposite direction, they may be forced into an unnatural posture and get injured.

#### ■ Do not raise the backrest when a patient is lying face down.

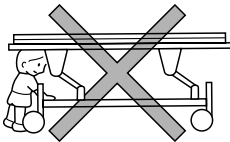
- Bending the joints in the wrong direction may result in injury.

#### ■ Do not stand up on the stretcher.



- There is a risk of injury due to falling or toppling from the stretcher.

#### ■ Do not crawl under the stretcher, or put your head, hands, or feet there.

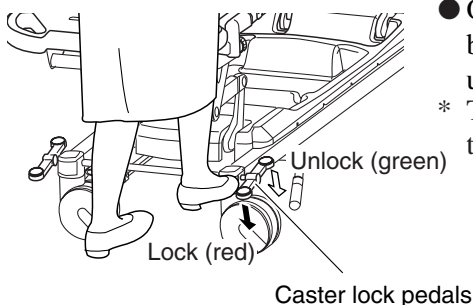


- There is a risk of becoming caught between the movable part of the stretcher and the frame or transfer boards, resulting in injury. Check that obstacles are not located around the stretcher before operating it.

#### ■ Be careful moving the stretcher on a steep slope.

- The stretcher may tip over, causing an injury. Prevent it by moving the stretcher with two people or taking other measures according to the situation.

#### ■ Lock the casters at all times except when moving the stretcher.



- Otherwise, the stretcher may move when a patient is transferred to a bed, the height is adjusted, or the backrest is raised, causing an unexpected injury.
- \* To move the stretcher, depress the caster lock pedal (green) to unlock the casters.

#### ■ Do not stand on the caster lock pedals.

- The stretcher may tip over, causing an injury or the stretcher may break.

## **WARNING**

- Indicates actions that may result in fatal injury if ignored.

### ■ **Repair or modification is not to be performed by the customer.**



Do not disassemble

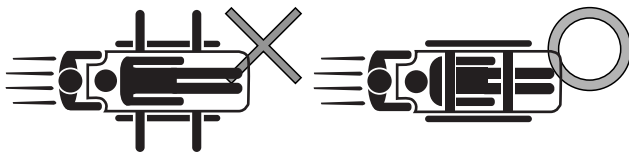
- There is a risk of abnormal operation and resulting injury.

### ■ **Do not move the stretcher with the transfer boards locked in the horizontal level position.**



- The patient may fall off, the stretcher may tip over, or the patient's hand may hit the wall, resulting in an injury.

### ■ **When transporting a patient, fasten the two restraint belts, raise the transfer boards, and continuously monitor the patient.**

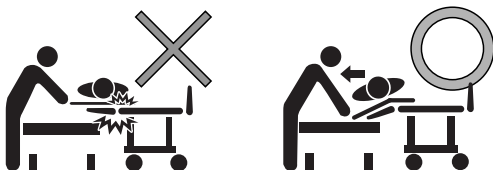


- Otherwise, the patient may fall off the stretcher and get injured.

### ■ **When locking the transfer boards in the horizontal level position, be sure that the two restraint belts are properly fastened.**

- Otherwise, the patient may fall off or the stretcher may tip over, resulting in an injury.

### ■ **Do not transfer a patient to a bed with the transfer boards locked in the horizontal level position.**



- The patient may fall off or the stretcher may tip over, resulting in an injury or stretcher damage.

### ■ **After raising the transfer boards or locking them in the horizontal level position, use the safety lock and confirm that they are properly locked (green in the indicator window).**

- If not properly locked (red shows), the transfer boards may lower and the patient may fall off and get injured.

### ■ **Prevent patients from holding the transfer boards during transport (use) or operation of the transfer boards.**

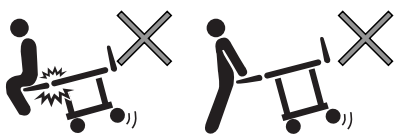
- The patient's hand may hit the wall during transport or get caught during the operation of the transfer boards, resulting in an injury.

### 3 SAFETY PRECAUTIONS

#### **WARNING**

- Indicates actions that may result in fatal injury if ignored.

##### ■ Do not sit on the transfer boards or lean against them.



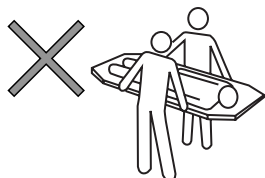
- The stretcher may tip over, resulting in an injury or stretcher damage.

##### ■ Do not use the transfer board as a support to stand up.



- The person may fall down or the stretcher may tip over, resulting in an injury or stretcher damage.

##### ■ Do not use the transfer mattress as a stretcher.



- The transfer mattress is designed to slide on a bed or stretcher in order to transfer a patient. Using the transfer mattress as a stretcher may damage it, resulting in an injury.

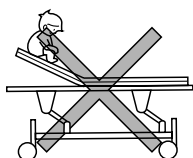
##### ■ Do not use the stretcher in a heavily electrically-charged area such as near an MRI.

- Using the stretcher in such an area may cause abnormal operation which may result in an injury or stretcher damage or deformation.

#### **CAUTION**

- Indicates actions that may result in personal injury or property damage if ignored.

##### ■ Do not climb on the back section base in the raised position.



- The back section base supports are subjected to excessive weight, and may be damaged or deformed.

##### ■ Do not move the stretcher by holding onto the transfer board only.

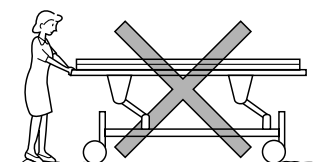


- Otherwise, this will apply a large force to the stretcher board and there will be a risk of damage or deformation.

##### ■ Do not place an object weighing 10 kg or more on the transfer board when it is locked in a horizontal level position.

- Doing so may result in an injury, malfunction, or deformation.

##### ■ Avoid moving over uneven floors.

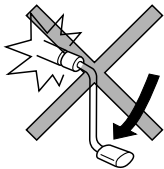


- It may result in stretcher damage, deformation, or malfunction. If this is unavoidable, move the stretcher as slowly as possible.

## CAUTION

- Indicates actions that may result in personal injury or property damage if ignored.

### ■ Do not excessively turn the height adjusting handle.



- Be careful when adjusting the stretcher's height. Turning the handle excessively may result in the handle damage or malfunction.

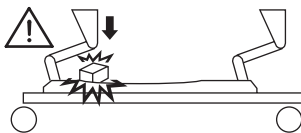
### ■ When the stretcher is not in use, store it with the casters facing in.

- Otherwise, people may trip over a caster and fall down or get injured.

### ■ Do not place an object weighing 10 kg or more on the tray.

- The tray may deform or get damaged.

### ■ Do not place an object that sticks out from the tray.



- When the stretcher is lowered, object may get caught between the frame and tray, and object and tray may get deformed or damaged.

### ■ To wash the transfer mattress, take out the padding and wash the surface material only.

- Otherwise, the surface material and padding may get damaged.

### ■ Keep away from heaters.

- Do not use heaters near the stretcher. Otherwise, the stretcher may be damaged or deformed, or even catch fire.

### ■ Inspect the stretcher regularly.

- Depending on the frequency of use and the environment, the product will exhibit wear and deterioration. Regularly inspect for parts looseness, the operation of movable parts, and the presence of damage. (See p. 24)

### ■ Do not combine the stretcher with products other than the suitable products specified by Paramount Bed.

- For parts to be directly mounted on the stretcher such as IV hanger rod and mattress, use conforming products specified by Paramount Bed. Using other products may cause undesired clearance, interference between products, or lowered safety conditions which may result in an injury or stretcher malfunction.

### ■ Do not spray a spray type of insecticide directly on the stretcher.

- Otherwise, there is a risk that the solvents contained in the insecticide could damage, discolor, or dissolve the stretcher casters or other resin parts. Pay due attention to this; otherwise, there is a risk of unexpected injury due to damaged or dissolved parts.

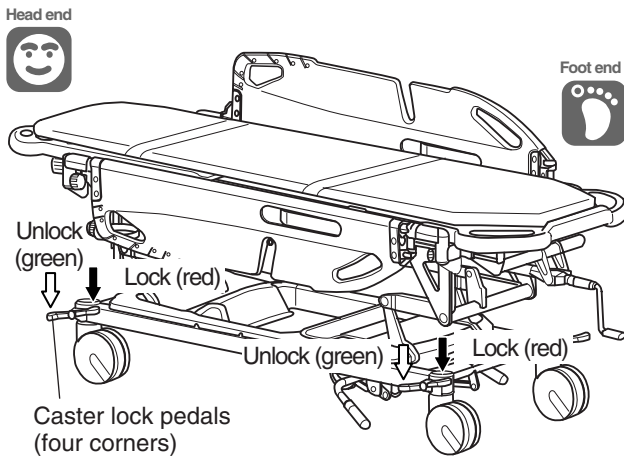
## 1. Caster (Central locking system)

### WARNING

- Lock the casters at all times except when moving the stretcher. Otherwise, the stretcher may move when transferring a patient to a bed, adjusting the height, or raising the backrest, causing an unexpected injury.
- Do not stand on the caster lock pedals. The person may tip over, resulting in an injury or stretcher damage.

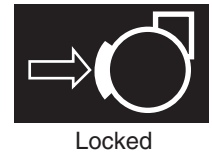
### Central locking system

- All four casters can be locked (swivel and rotation are locked at the same time) or unlocked by operating only one caster lock pedal.
- Caster lock pedals are located at the four corners of the stretcher so they can be operated at the head end, foot end, and both sides.



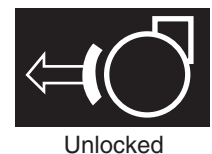
### To lock the casters

- Depressing the caster lock pedal (red) locks the swiveling and rotation of all four casters at the same time.



### To unlock the casters

- Depressing the caster lock pedal (green) unlocks all four casters.



### CAUTION

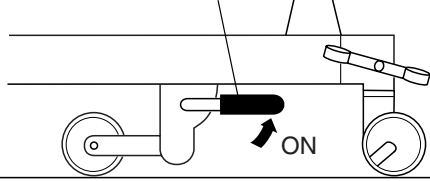
- Do not attempt to forcibly move the stretcher when the casters are locked (fixed). It may result in malfunction.
- Do not operate the caster lock pedals when transporting a patient. It places a load on the casters resulting in malfunction.



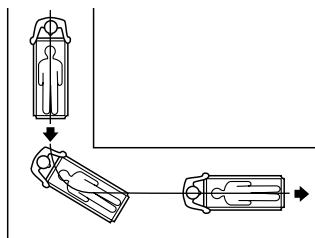
## 2. Center wheel system

- Moving the center wheel located at the base center of the stretcher to be in contact with floor improves cornering, tracking, and allowing stable steering of the stretcher.

The center wheel locking pedal



When the center wheel is in contact with floor



### When the center wheel is ON

- Raising the center wheel locking pedal sets the center wheel ON for better cornering, tracking, and steering. This mode is convenient for moving over relatively long distances, such as between patients' rooms.

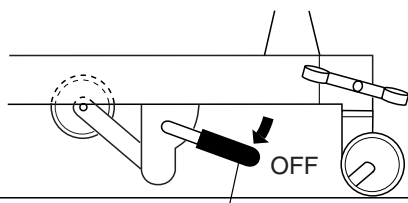
### ■ When cornering

- The turning radius of the stretcher is small, thus offering easy directional control and minimizing the force needed to push the stretcher. This allows for quick movement.

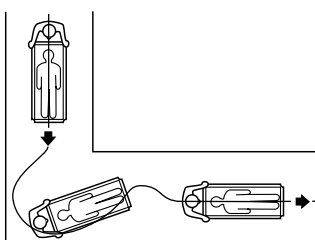


### WARNING

- Do not move too fast when cornering. The stretcher may tip over, resulting in an injury.



The center wheel locking pedal



### When the center wheel is OFF

- Depressing the center wheel locking pedal sets the center wheel to OFF to allow the stretcher to move in any direction (including sideways). This mode is convenient for moving short distances, such as moving within a room.

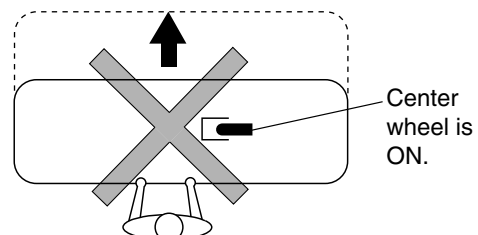
### ■ When cornering

- The stretcher rotates when cornering, requiring the person pushing to move around when cornering, and also requiring force to restrain the stretcher.

### CAUTION

- Do not attempt to forcibly move the stretcher sideways when the center wheel is ON because it may result in malfunction. To move the stretcher sideways, be sure to set the center wheel to OFF.

- Do not stand on the center wheel locking pedal. It may result in deformation, damage, or malfunction.

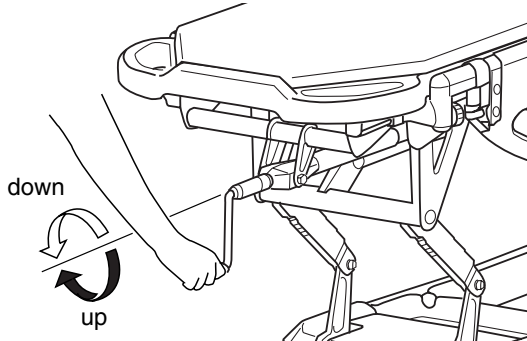


## 3. Height adjustment

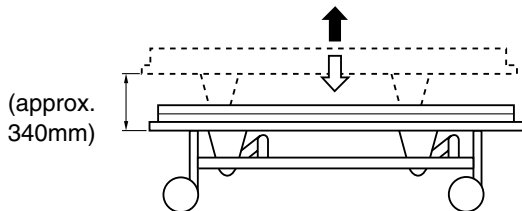
- The height of the stretcher can be aligned with the height of a bed by operating a handle.

### Height adjustment (High-low stroke: Approx. 340 mm)

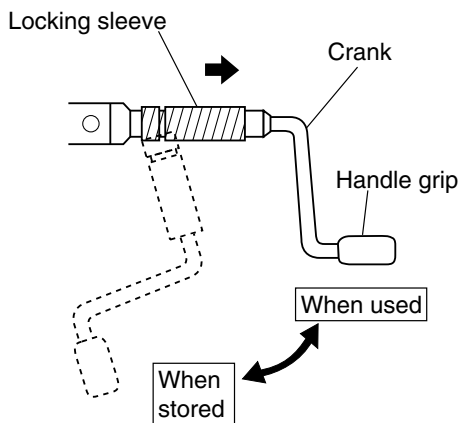
- Turn the height adjusting handle clockwise to raise the stretcher and turn counterclockwise to lower it.



- **Lock the casters prior to height adjustment. Otherwise, the stretcher may move during the adjustment, resulting in an injury.**



- **The height adjusting (Hi-Lo) handle suddenly becomes heavy when it is turned close to the limit. Do not turn the handle over the operating range. Turning the handle forcibly over the range may result in damage or malfunction.**
- **Do not put a leg on the handle because it may result in damage or malfunction.**



### To store the handle

- Hold the locking sleeve, pull towards you, and press down to store.

### To use the handle

- Hold the locking sleeve and pull up. The locking sleeve will automatically lock to enable operation.



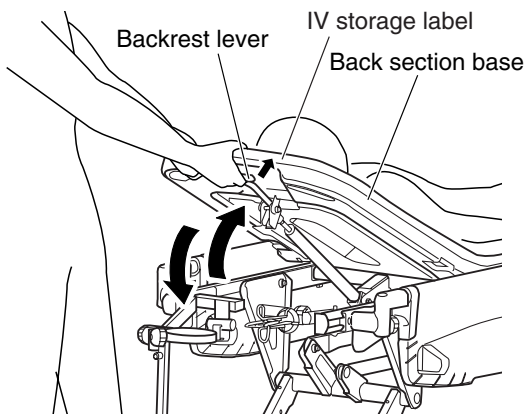
- **Be sure to store the handle when not in use. Otherwise, the handle may catch a person's leg, causing an injury.**

## 4. Raising the backrest

■ The back section base angle can be adjusted at any degree from 0° to approximately 70° using a lever.

### WARNING

- When raising the backrest, be sure to lock the casters. Otherwise, the stretcher may move during operation, resulting in an injury.
- When raising the backrest, unfasten the two restraint belts. (See p. 13) Otherwise, the patient may get injured.
- After raising the backrest, secure the patient with the two restraint belts. Otherwise, the patient may fall off and get injured.



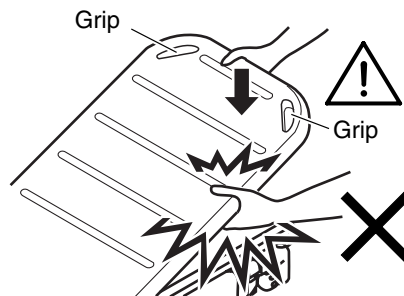
#### To raise

- Hold the back raising lever on the back section base with one hand, hold the grip of the back section base with your other hand, and pull the back section base up. The back section base rises due to gas spring pressure. Let go of the back raising lever to lock the back section base in position.

#### To lower

- Hold the grip of the back section base with one hand supporting its weight, hold the back raising lever of the back section base with your other hand, and lower the back section base. Let go of the back raising lever to lock the back section base in position.

### CAUTION

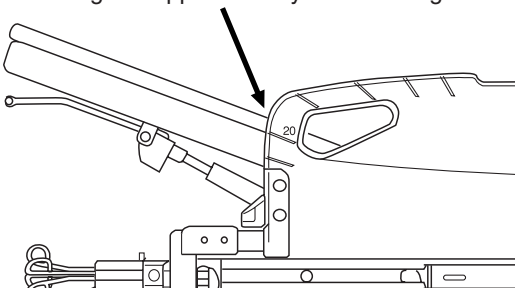


- When lowering the back section base, be sure to hold the grip of the back section base with the hand that is not holding the back raising lever. Holding other parts may cause an injury because the operator's hands or fingers may get caught.

\* Do not hold any other place besides the grip.

- When lowering the back section base, prevent the back section base from contacting the oxygen cylinder or flowmeter. Contact may damage the flowmeter or other equipment.

The upper surface of the back section base is the guide for the scale.  
The angle is approximately 20° in the figure.



#### Backrest angle indication

- When the transfer board is up, an approximate angle for the backrest can be read on the scale on the side.

\* The upper surface of the back section base is the guide for the scale.

The angle is approximately 20° in the figure.



NOTE!

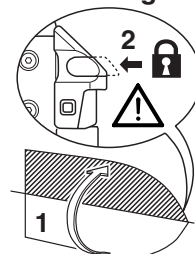
- Use the indicated angle as a guide to adjust the angle to raise the backrest.

## 5. Transfer board

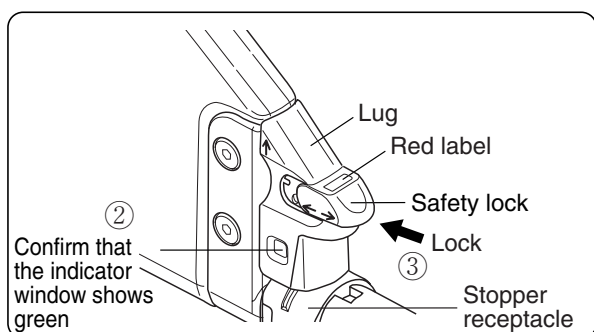
■ Transfer boards can be used to protect a patient on the stretcher from falling off and also as a bridge between the stretcher and a bed when transferring a patient to/from a bed. They can be used as an arm table by locking them in the horizontal level position.

### ! WARNING

- When transporting patients, secure them with the restraint belts (p. 13), raise the transfer boards, and continuously monitor them. Otherwise, the patient may fall off from the stretcher and get injured.
- After raising the transfer boards or locking them in the horizontal level position, use the safety lock and confirm that they are properly locked (green shows in the indicator window). If they are not locked properly (red shows in the indicator window), the transfer boards may lower and the patient may fall off and get injured.

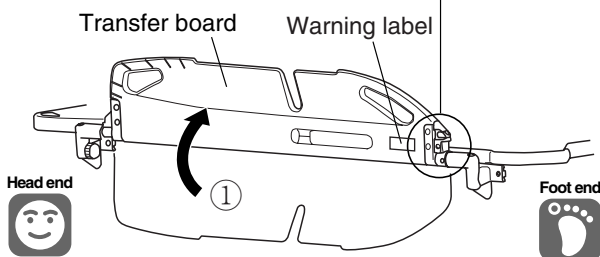


### ■ To raise



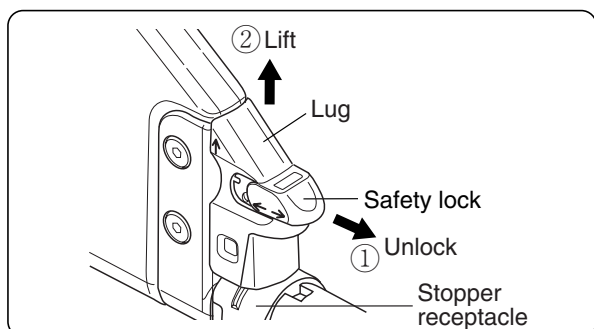
### To raise

- ① Slowly lift the transfer board, which has been lowered, in the direction shown in the figure to the left. When it reaches the upper limit, the lug lowers and the stopper works.
- ② Confirm that the stopper is properly working (green shows in the indicator window).
- ③ Press in the safety lock in the direction shown by the arrow ← (transfer board side) until the red label can no longer be seen for proper locking.



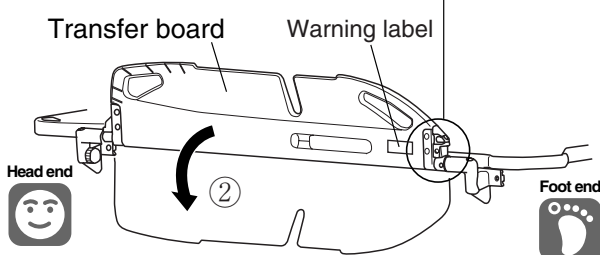
- Make sure that sheets don't get caught in the stopper or safety lock because they hinder their functions.

### ■ To lower

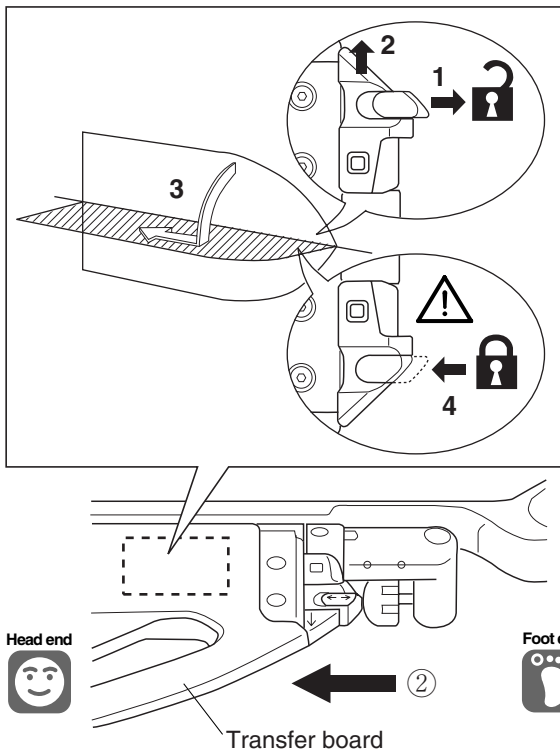


### To lower

- ① Release the safety lock.
- ② While lifting the lug, slowly lower the transfer board.



## ■ To lock the transfer board in a horizontal level position (when using as an arm table)



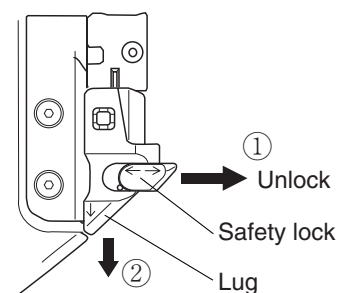
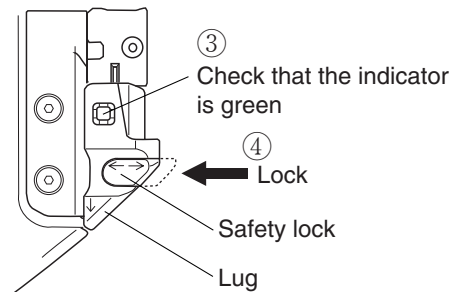
### To lock the transfer board in a horizontal level position

[Locking the transfer board in a horizontal level position when it is up]

- ① Release the safety lock and lower the transfer board in a horizontal level position while lifting the lug.  
(See **To lower** in p. 11)
- ② Move the transfer board in the direction shown by the arrow ← while keeping it in a horizontal level position. The lug lowers and the stopper works.
- ③ Confirm that the stopper is properly working (green shows in the indicator window).
- ④ Press in the safety lock in the direction shown by the arrow ← (transfer board side) for proper locking.

[Locking the transfer board in a horizontal level position when it is down]

- ① Slowly lift the transfer board to a horizontal level position. (See **To raise** in p. 11)
- ② Move the transfer board in the direction shown by the arrow ← while keeping it in a horizontal level position. The lug lowers and the stopper works.
- ③ Confirm that the stopper is properly working (green shows in the indicator window).
- ④ Press in the safety lock in the direction shown by the arrow ← (transfer board side) for proper locking.



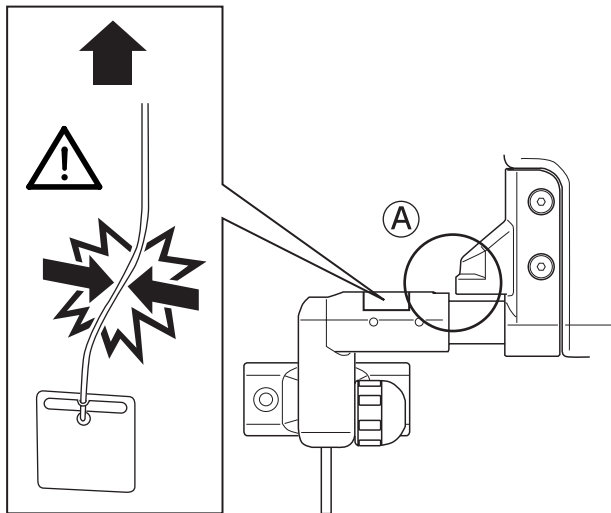
### To unlock the transfer board from a horizontal level position

- ① Release the safety lock.
- ② Pull the lug in the direction shown by the arrow.



● Do not place an object weighing 10 kg or more on the transfer board when it is locked in a horizontal level position. Doing so may result in an injury, malfunction, or deformation.

## 5. Transfer board



### WARNING

- When operating the transfer board, prevent the tube (drain) from getting caught in part ① in the figure to the left. If the tube (drain) gets caught, it may break.

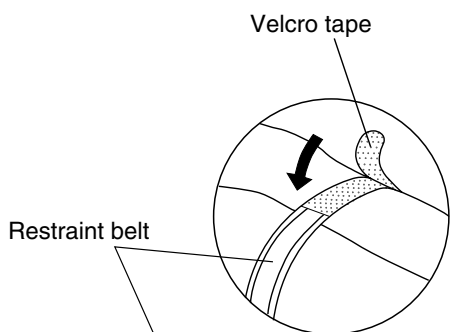


### CAUTION

- Do not operate the transfer board while placing fingers on part ① in the figure to the left. Fingers may get caught, resulting in an injury.

## 6. Restraint belt

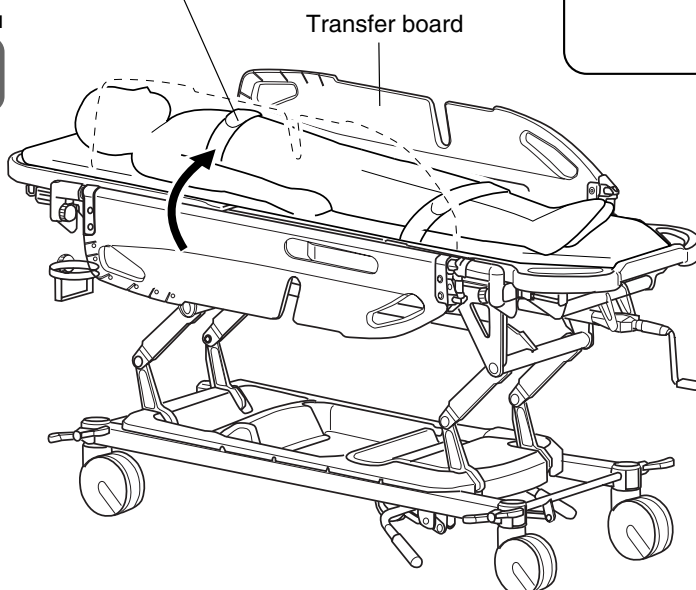
■ Restraint belts are designed to secure patients in order to prevent them from falling off. When transporting a patient, be sure to firmly fasten the two restraint belts and raise the transfer boards.



### WARNING

- Do not raise the backrest when a patient is secured on the stretcher. The patient may get injured.
- Fasten the restraint belts and make sure there is no slack. If they are not properly fastened, the patient may fall off or the stretcher may tip over, resulting in an injury.

Head end

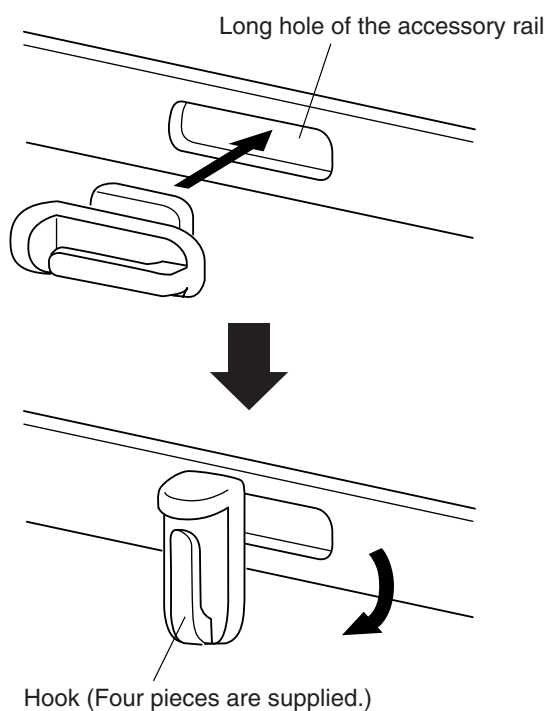
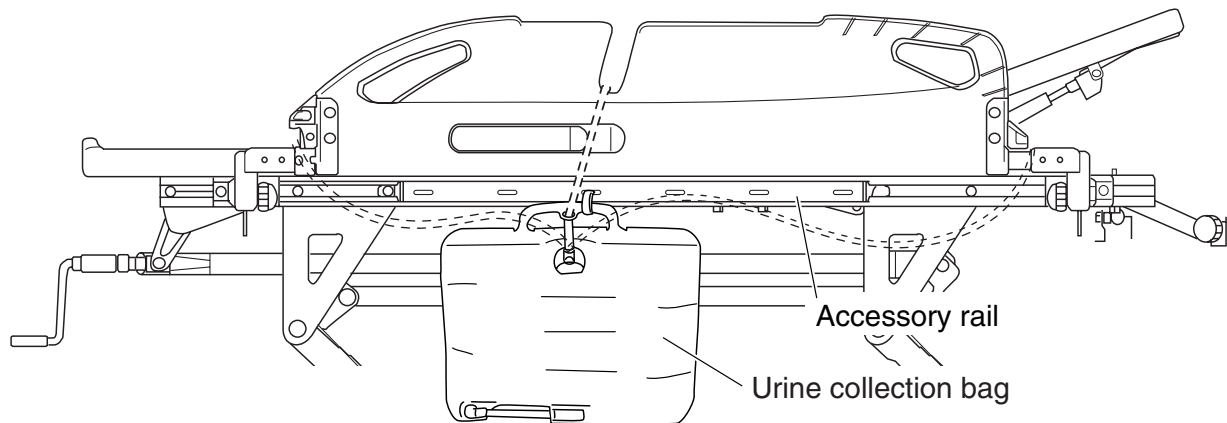


Foot end



## 7. Accessory rail

- The stretcher is equipped with accessory rails under the transfer boards. Hooks can be attached to these rails and can be used to hang articles such as urine collection bags.
- Hooks can be attached in some different positions. Attach them according to the position or length of the tube.



### Attaching the hook

- Insert the hook into a long hole on an accessory rail sideways and turn it as shown in the figure.



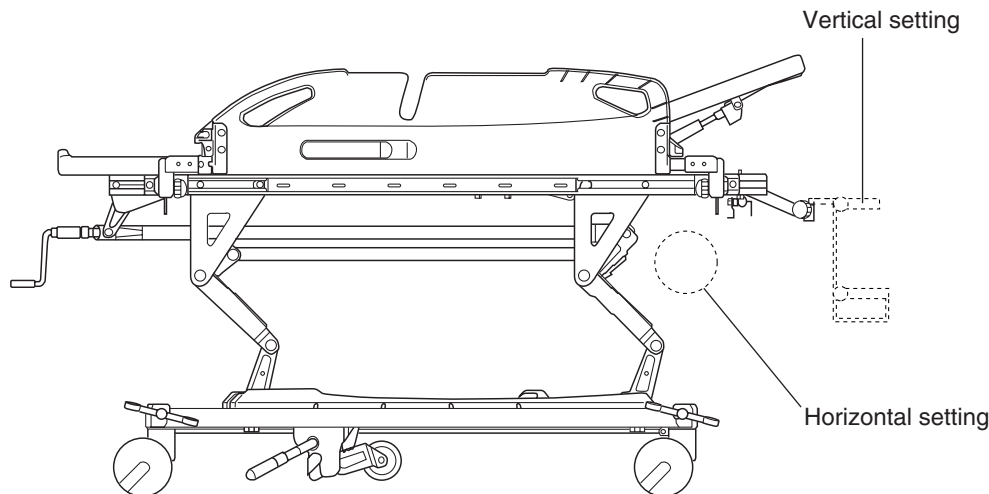
### CAUTION

- When attaching articles such as urine collection bags, do not raise or lower the transfer board. It may pull the tube, inducing an injury, or deform or damage the urine collection bags.
- Each hook's load capacity is 3 kg. Do not hang an article exceeding the load capacity because it may damage or deform the hook or accessory rail.

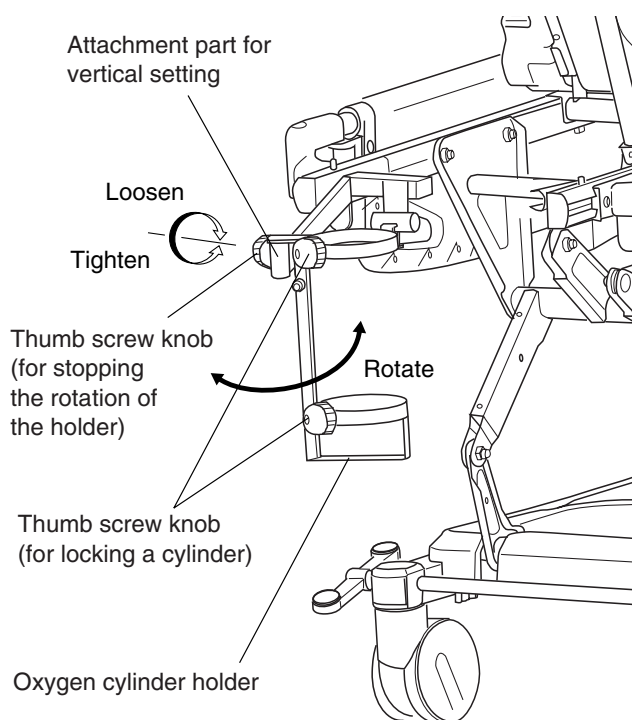


## 8. Oxygen cylinder holder

- The oxygen cylinder holder can contain a 500 L (100 mm to 115 mm diameter) oxygen cylinder.
- The holder can be set either vertically or horizontally. (Initial setting is vertical.)



### Vertical setting



- ① Insert the oxygen cylinder holder into the attachment part for vertical setting as shown in the figure. (At initial setting, it is already inserted.)
- ② Turn the holder to adjust the position of an oxygen cylinder so that it will not contact the back section base.
- ③ Insert an oxygen cylinder into the oxygen cylinder holder slowly and then firmly lock the cylinder by tightening the three thumb screw knobs (one for stopping the rotation of the holder and two for locking the cylinder).



### CAUTION

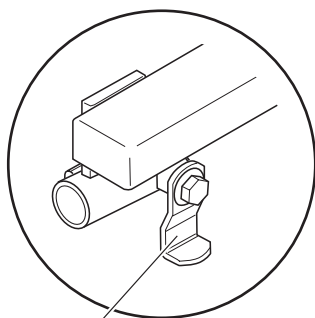
- Pay attention not to hit the oxygen cylinder holder against the bed or wall when transporting or adjusting the height of stretcher. Otherwise, the oxygen cylinder holder may be deformed.



- When adjusting the position of the oxygen cylinder holder, be careful not to get your fingers caught between the oxygen cylinder holder and the thumb screw knob (for stopping the rotation of the holder) of the attachment part for vertical setting.
- When not using the oxygen cylinder holder, store it under the back section base by rotating it and firmly lock it by tightening the thumb screw knob (for stopping the rotation of the holder).



① ②



Rotation stopper fitting

Attachment part for horizontal setting

Stopper

Boss

Thumb screw knob (for locking a cylinder)

③ Attachment part for horizontal setting

Stopper

Boss

Thumb screw knob (for locking a cylinder)

Oxygen cylinder holder

Oxygen cylinder

## Horizontal setting

- ① Hold the rotation stopper fitting with a hand to keep it in the horizontal position as shown in the figure and then insert the oxygen cylinder holder into the attachment part for horizontal setting. Insert the oxygen cylinder holder deeply while adjusting its angle so that the boss of the holder reaches deeply into the stopper.
- ② Rotate the oxygen cylinder holder as shown in the figure and let the rotation stopper fitting go so that the stopper works.



## CAUTION

● Pay attention not to hit the oxygen cylinder holder against the bed or wall when transporting or adjusting the height of stretcher. Otherwise, the oxygen cylinder holder may be deformed.

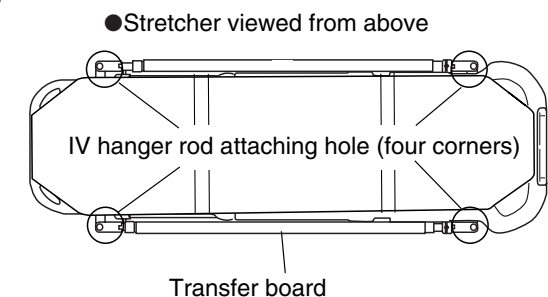
- ③ Insert an oxygen cylinder deeply into the oxygen cylinder holder and then firmly lock the cylinder by tightening the two thumb screw knobs (two thumb screw knobs for locking a cylinder).

100 mm to 115 mm diameter

## ! WARNING

- After mounting the oxygen cylinder holder in the horizontal position, confirm that the stopper is working properly by shaking the holder. If the holder is not mounted properly, an oxygen cylinder may drop, resulting in an injury or damage.
- After inserting an oxygen cylinder into the oxygen cylinder holder, tighten the thumb screw knobs properly. Otherwise, the oxygen cylinder may move unexpectedly or drop, resulting in an injury or damage.
- The load capacity of the oxygen cylinder holder is 15 kg. Do not insert a cylinder that exceeds the load capacity because it may damage or deform the oxygen cylinder holder or frame, resulting in an injury.
- Do not hit the oxygen cylinder holder or flowmeter against other objects during transport. The oxygen cylinder holder or flowmeter may get damaged or deformed, resulting in an injury.

## 9. IV hanger rod (KC-57E)

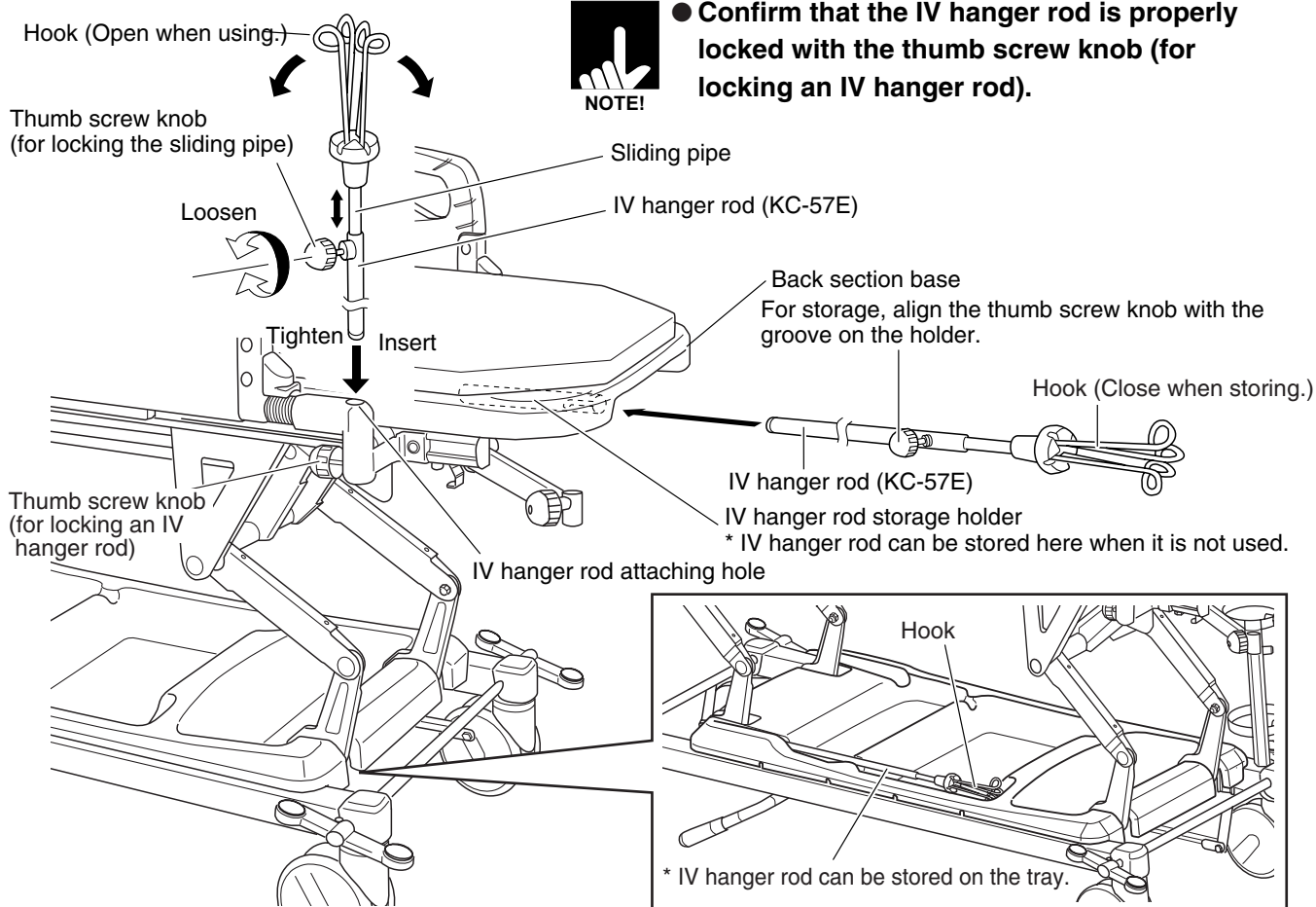


■ IV hanger rod attaching holes are located in two places each on the left and right sides of the stretcher, four places in total. Using the holes, IV hanger rods (KC-57E) for drip infusion can be mounted.

- 1 Insert an IV hanger rod into an attaching hole and firmly lock it by turning the thumb screw knob (for locking an IV hanger rod).
- 2 Adjust the length of the sliding pipe of the IV hanger rod, lock it using the thumb screw knob (for locking the sliding pipe), and open the hook on the tip.



● Confirm that the IV hanger rod is properly locked with the thumb screw knob (for locking an IV hanger rod).



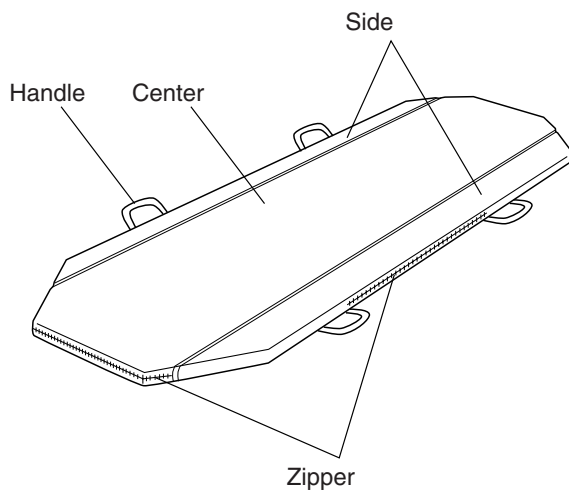
### ⚠ WARNING

- When using an IV hanger rod, do not put hands or arms in between the mattress base or transfer board and the IV hanger rod. Hands or arms may get caught and injured.
- Each hook's load capacity is 1 kg. Do not hang an article that exceeds the load capacity because it may damage the hook, resulting in an injury.

### ⚠ CAUTION

- For an IV hanger rod, use the provided product (KC-57E). Other IV hanger rods may not be locked into the IV hanger rod attaching hole.
- Length adjustment of the sliding pipe should be kept within 40 cm. If the sliding pipe is pulled out too much, it may come off, resulting in an injury or damage.
- When not using the IV hanger rod, close the hook, make the pole as short as possible, and properly store it in the storage holder located at the tray under the back section base. If not stored properly, the IV hanger rod may hit other parts when the height of the stretcher is adjusted, resulting in deformation or damage of the IV hanger rod or stretcher.

## 10. Transfer mattress



- A patient can be transferred to/from a bed without being lifted. For the procedures, see **5 PATIENT TRANSFER** on p. 19 to 22.
- The mattress consists of three parts, the center parts and two side parts, so that it can be placed under a patient easily.
- The surface material is water-proof and is easy to wipe for cleaning.
- The surface material is washable. When washing, unfasten the zipper on the center and side, take out the padding (three pieces), and wash the surface material only.

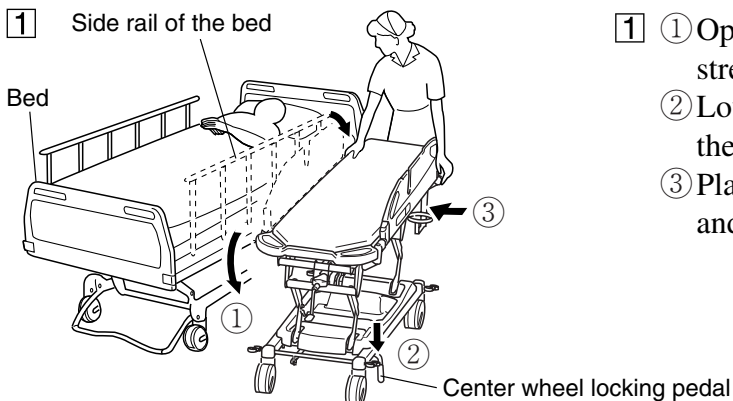


- The padding is not washable.
- To iron the surface material, set the iron at a low temperature (80°C to 120°C). Otherwise, the surface material may get damaged or deformed.

# 5 PATIENT TRANSFER

- \* The illustration shows only one nurse in order to explain procedures simply.
- \* In actual procedures however, a patient should be transferred by at least two persons for safety.
- \* Pay attention not to hit the oxygen cylinder holder against the bed when adjusting the height of stretcher for transfer.

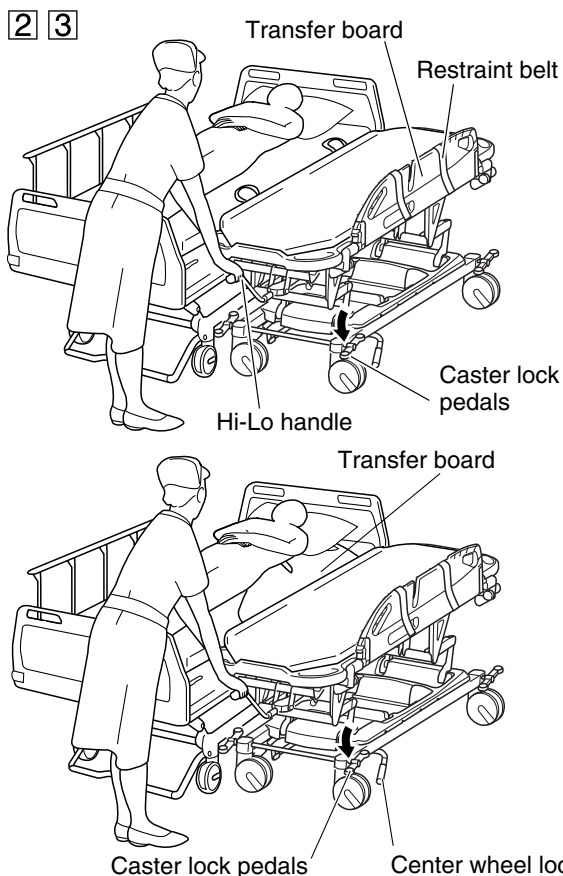
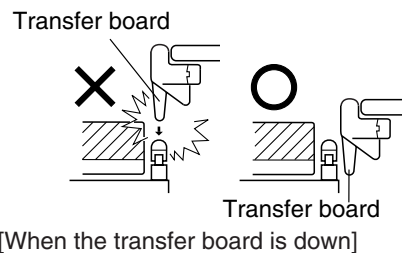
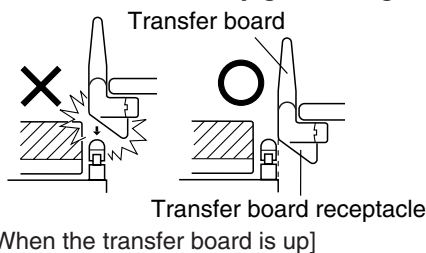
## To transfer a patient from a bed to the transfer stretcher



- ① Operate the center wheel locking pedal of the stretcher to set the lock to OFF.
- ② Lower the transfer board and the side rail of the bed.
- ③ Place the stretcher by the bed. (See p. 8 and 11)

### ! WARNING

- When placing the stretcher by a bed, prevent the transfer board or transfer board receptacle of the stretcher from sitting on the side rail (foldable type) of the bed. Otherwise, the side rail of the bed or the transfer board may get damaged or deformed.



- ② Depress the caster lock pedal (red) of the stretcher to lock the casters and then align the height of the stretcher to the height of the bed by operating the Hi-Lo handle. (See p. 7 and 9)



- Set the stretcher slightly lower than the bed for easier transfer.

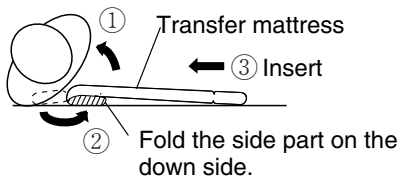
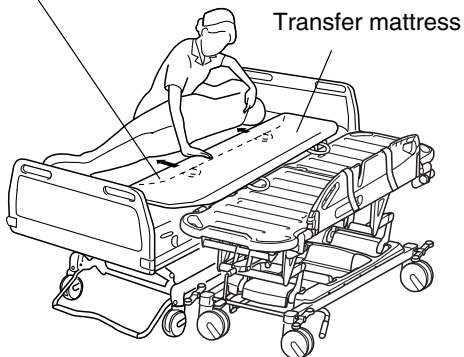
- ③ Unfasten the restraint belts of the stretcher and move them so that they will not hinder the transfer procedure.



- When there is a wide gap between the stretcher and bed, the transfer board can be placed over the bed.

4

- Fold the side part on the down side.



- ① Roll the patient over to the opposite side of the stretcher.
- ② Fold the side part of the transfer mattress on the down side.
- ③ Insert the transfer mattress under the patient's back as deeply as possible.

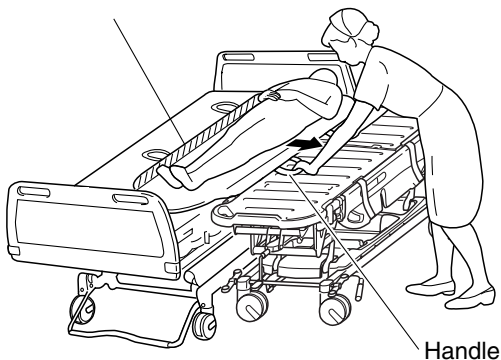


## WARNING

- When transferring a patient using the transfer mattress, place the patient's hands together on their abdomen in order to prevent their hands from getting caught by a handle of the transfer mattress or other parts. If a hand gets caught, the patient may get injured.

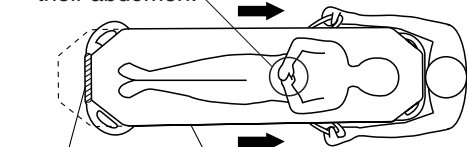
5

- Pull out the side part of the transfer mattress.

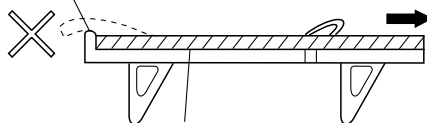


- ⑤ Lay the patient in the center of the transfer mattress on their back, place their hands together on their abdomen, and pull out the side part of the transfer mattress that was folded in step ④. Grab a handle of the transfer mattress (handle on the stretcher side) and pull the mattress to the center of the stretcher carefully.

- Have the patient's hands together on their abdomen.



Mattress stopper



Align the end of the mattress base and mattress.

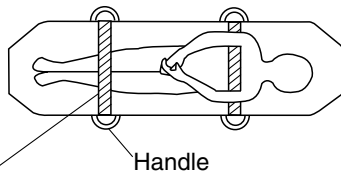


NOTE!

- If the mattress base and mattress do not align, grab the handle as shown in the figure to the left and adjust the position of the mattress using the mattress stopper on the mattress base as a guide.

# 5 PATIENT TRANSFER

6



Restraint belt

- Pass the restraint belts through the handles.

- 6 Be sure to firmly secure the patient with the front and back belts. Pass the restraint belts through handles (all four) on the transfer mattress. (See p. 13)

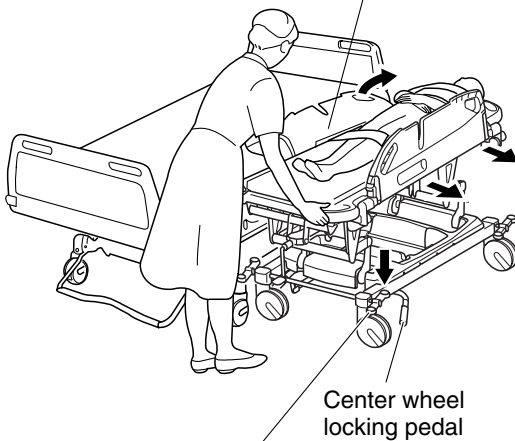


**WARNING**

- When transporting a patient, secure the patient to the transfer mattress using two restraint belts. Otherwise, the transfer mattress may slip and the patient may fall off and get injured.

7

**Area with a risk of fingers getting caught**



Caster lock pedals

Center wheel locking pedal

- 7 Depress the caster lock pedal (green) to unlock the casters, move the stretcher slightly away from the bed, and raise the transfer board.



**CAUTION**

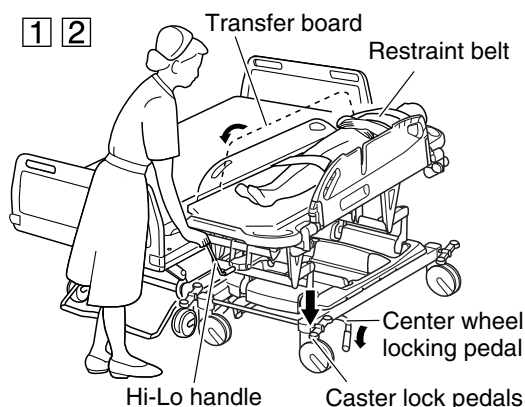
- When operating the transfer board, place the patient's hands together on their abdomen. Otherwise, a hand may get caught by the transfer board and get injured.

- 8 Move the stretcher. When transporting the stretcher, raise the center wheel locking pedal to switch it ON for more stable stretcher movement and easier control. To move sideways, switch OFF the center wheel. (See p. 8)



\* Pay attention not to hit the oxygen cylinder holder against the bed when adjusting the height of stretcher for transfer.

## To transfer a patient from the transfer stretcher to a bed



1 Depress the center wheel locking pedal of the stretcher to switch it OFF, place the stretcher by the bed, and lock the casters by pressing down the caster lock pedal (red). (See p. 7)

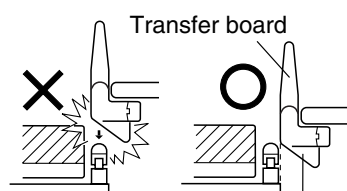
2 Align the height of the stretcher to the height of the bed by operating the Hi-Lo handle and place the transfer board over the bed. (See p. 9 and 11)



● Set the bed slightly lower than the stretcher for easier transfer.

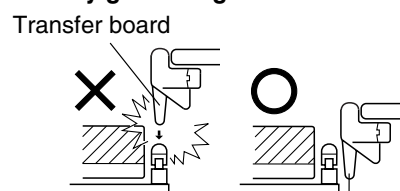
## ! WARNING

● When placing the stretcher by a bed, prevent the transfer board or transfer board receptacle of the stretcher from getting on the side rail (foldable type) of the bed. Otherwise, the stretcher may tip over, resulting in an injury or the side rail of the bed or the transfer board may get damaged or deformed.



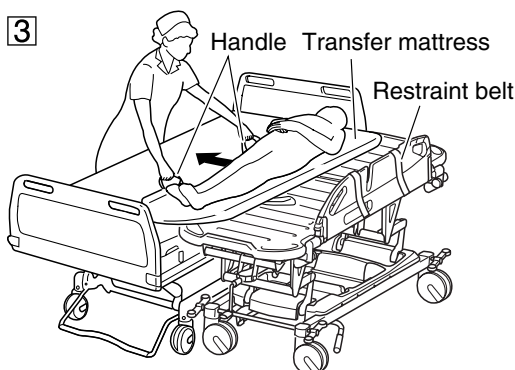
Transfer board receptacle

[When the transfer board is up]

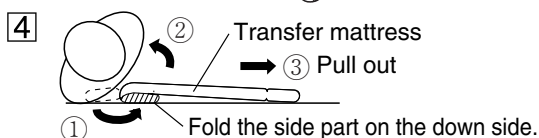


Transfer board

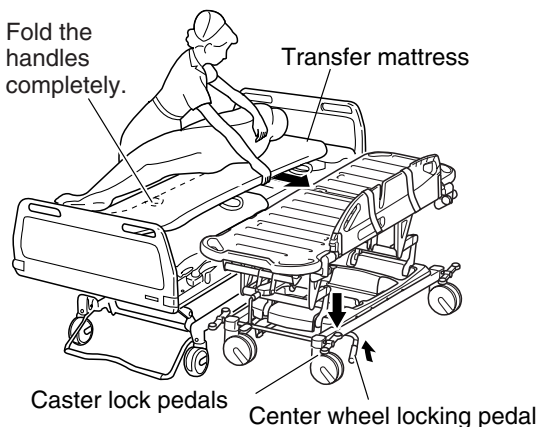
[When the transfer board is down]



3 Detach the restraint belts from the patient and place them in an area where they will not hinder the transfer procedure. Grab the handles of the transfer mattress and transfer the patient onto the bed by slowly pulling the mattress.



Fold the handles completely.



4 After transferring the patient, ① Fold the side part of the transfer mattress that is further from the stretcher on the down side. ② Roll the patient over in the same direction. ③ Pull out the transfer mattress toward the stretcher.








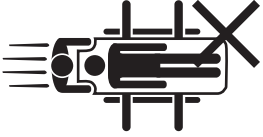


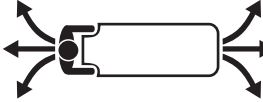

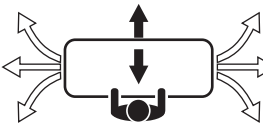

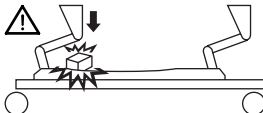

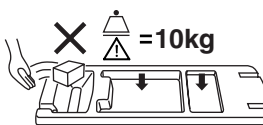
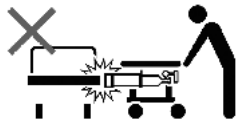
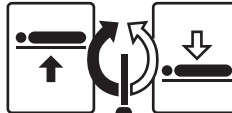



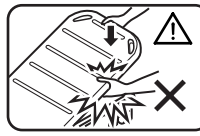



● Fold the handles under the transfer mattress completely. If a small part of a handle is protruding, it gets caught under the patient's body and the transfer mattress cannot be pulled out smoothly.

5 Lay the patient on their back.

6 Place the transfer mattress on the stretcher, return the restraint belts to the original position, raise the transfer board, and unlock the casters to move the stretcher. When moving the stretcher, raise the center wheel locking pedal to switch it ON for more stable stretcher movement and easier control. (See p. 8)

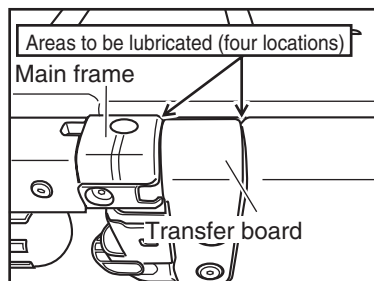
# 6 PRODUCT SYMBOL DEFINITIONS

The symbols below are used for the product.

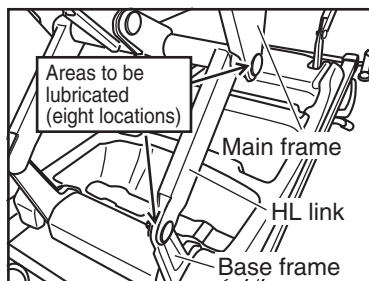
Symbol	Description	Symbol	Description
	● CE mark		● Do not use the transfer board as a support to stand up
	● See the Instruction Manual		● Do not transport a patient with the transfer board locked in the horizontal level position
	● Safe working load		● When transporting a patient, be sure to fasten the restraint belts
	● The casters are locked		
	● The casters are unlocked		● When the center wheel is ON
	● The safety lock is locked		● When the center wheel is OFF
	● The safety lock is released		● Do not place an object that sticks out from the tray
	● Do not get a tube caught		● Do not place an object on areas marked with × * Tray's load capacity is 10 kg
	● Pay attention not to hit the oxygen cylinder holder against the bed or wall		● Adjust (raise, lower) the height
	● Do not get on the transfer board		● Position to store an IV hanger rod
	● Do not lean on the transfer board		● Do not get hands or fingers caught when lowering the back section base
	● Do not lock the transfer board in the horizontal level position when transferring a patient		● Do not use the transfer mattress as a stretcher
			



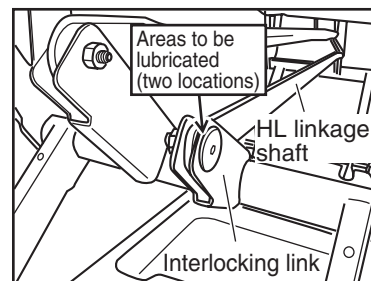
- For safe use, inspect the stretcher regularly, at least once a year. The product exhibits wear and deterioration depending on the frequency of use and the operating conditions. Regularly inspect for loose parts, operation of moving parts, and damage. In case of an abnormal condition or necessity of more detailed inspection, contact your distributor (See p. 26). In case of an abnormal noise during use, apply a lubricant (see the figure below).



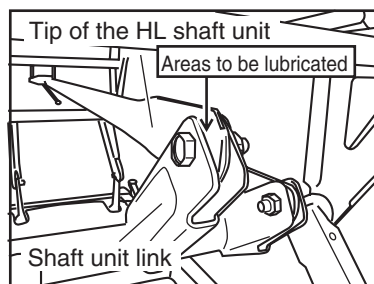
Rotating part of the transfer board



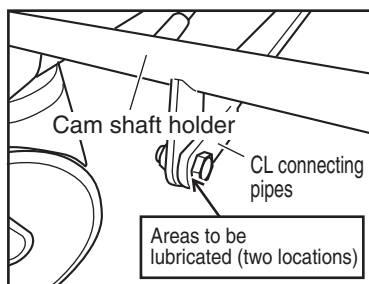
HL link connection point



HL linkage shaft connection point



Tip of the HL shaft unit

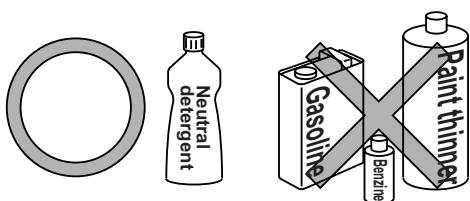


CL interlocking pipe connection point

- Keep the stretcher and mattress away from water and humidity because they may cause rust, breeding of bacteria, and generation of abnormal noise. If water gets on them, immediately wipe it off.

## ■ Stretcher unit

- To clean the stretcher, wipe with a cloth that has been soaked in neutral detergent diluted with water and wring it out thoroughly. Then, wipe off any residual detergent with a wet cloth that has been squeezed well. Lastly, wipe with a dry cloth.
- \* Do not use volatile fluids for cleaning (such as paint thinner, benzene, or gasoline). Discoloration or deterioration may result.



When the stretcher is dirty or needs to be cleaned for use with a different patient, use one of the chemicals listed below at the specified concentration.

0.05 to 0.2%	bensalkonium chloride (Osvan)
0.05 to 0.2%	benzethonium chloride (Hyamine)
0.05%	chlorhexidine (Hibitane)



NOTE!

- Components of the stretcher may quickly deteriorate or may be damaged under specific operating environments and conditions. In case of any abnormal conditions, stop using the stretcher and contact your distributor or authorized representative for repair.
- The product cannot be washed by a bed washer.

## ■ Transfer mattress

- Wipe off dirt on the mattress with a cloth dampened with warm water and then leave to dry in the shade with good ventilation. If dirt does not come off, wipe with a cloth that has been soaked in neutral detergent diluted with water and wring it out thoroughly. Then, wipe off any residual detergent with a wet cloth that has been squeezed well and let the mattress dry in a shady place with good ventilation.
- The surface material of the transfer mattress is washable. (See p. 18)



NOTE!

- The mattress should not be cleaned by an ozone sterilizer or autoclave apparatus.
- To clean the transfer mattress, take out the padding and wash the surface material only.

## Troubleshooting

■ Problems may not always indicate faults. Check the following once again before requesting repair. If the problem persists after checking these points, stop using the stretcher immediately and contact your distributor or authorized representative for repair.

Problem	Check	Corrective action	Reference page
● The handle cannot be operated from the highest or lowest position of the height adjustment.	● The handle may have been operated beyond the highest or lowest position.	● Turn the handle in the direction opposite to the direction the handle was turned excessively.	9
● The height cannot be adjusted.	● Check if there is an obstacle under or behind the stretcher.	● Remove the obstacle or anything hindering the height adjustment.	3
● The stretcher cannot be moved.	● Check if the casters are locked.	● Unlock the casters.	7
● The stretcher cannot be moved sideways.	● Check if the center wheel is set to ON.	● Switch OFF the center wheel.	8
● The transfer board cannot be lowered.	● Check if the safety lock is ON.	● Release the safety lock.	11 12
● The transfer board rattles.	● Check if the stopper receptacle is worn.	● Contact your distributor or authorized representative for repair.	11

● When requesting repairs or contacting your distributor or authorized representative, please provide the number on the product ID label. (See p. 1)

## 1. Warranty

The warranty period is one year from the date of purchase. Make sure the details such as the distributor or authorized representative's name and purchase date.

## 2. When requesting repairs

First check the items described in "8 TROUBLESHOOTING" on p. 25 in the instruction manual. If the problem persists, contact your distributor or authorized representative.

### ■ Details necessary when requesting repair

- Product name, product number, product ID (Affixed on the outside of the main frame. See p. 1)
- Date of purchase
- Details of the fault or problem (please provide as much detail as possible)
- Your name, organization, address, and phone number

### ■ Consumables

The mattress, casters, and caster lock pedals are consumable parts.

### ■ During valid warranty period

Repairs will be made free of charge as specified in the warranty.

Certain types of repair will incur a charge even during the warranty period. See the warranty for details.

### ■ After the warranty has expired

Products will be repaired (if possible) at your expense.

## 3. Minimum stock availability period

Paramount Bed keeps replacement parts (necessary to maintain stretcher performance) in stock for at least 6 years after the discontinuation of production.

## 4. Questions regarding after-sales service

Please contact your distributor or authorized representative.

### Disposal of the products

Please contact your distributor or authorized representative when disposing of the products.

#### [Location in the EU]

Authorized Representative:  
Corona Medical S.A.S.  
Z.I. La Planche 37210 Rochecorbon, FRANCE  
Tel: +33(0)2 47 885 885  
FAX: +33(0)2 47 885 893

#### [Locations outside the EU]

Paramount Bed Co., Ltd.  
Overseas Trade Division  
14-5 2-Chome Higashisuna Koto-ku  
Tokyo 136-8670 Japan  
Tel: 03-3648-2961  
FAX: 03-3648-2420

 **PARAMOUNT BED**