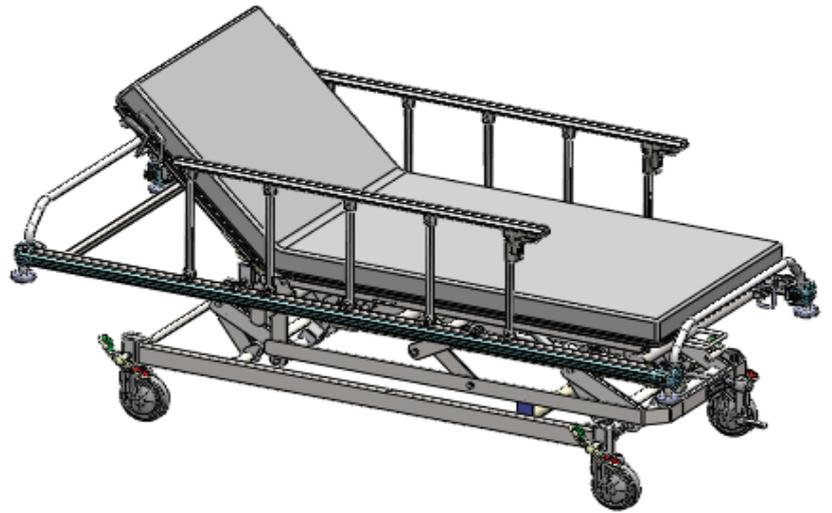




INSTRUCTION MANUAL

7A10473700A6

K5 Series Stretcher



Preface

Thank you for purchasing **the K5 Series Stretcher**.

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.
- The correct operating procedures should be explained not only to the persons using the bed but also to caregivers.
- After reading this instruction manual, store it where it can be easily accessed for later reference.
- Users and/or carers are requested to report information about any serious incident related to this stretcher that occurs within the EU to the manufacturer and the regulating authority of the member country of residence. 'Serious incident' means any incident that directly or indirectly led, might have led or might lead to any of the following:
 - a) The death of a user, carer or other person.
 - b) The temporary or permanent serious deterioration of a user's, carer's or other person's state of health.
 - c) A serious public health threat.
- The actual product purchased may differ from detailed descriptions given in this instruction manual due to product improvements.
- Value in the specification such as working range, dimensions, angles and mass are subject to normal manufacturing tolerances. Besides some exemptions, display purpose words such as "approximately", "about" etc. are omitted.
- For any queries, please feel free to contact your distributor directly.

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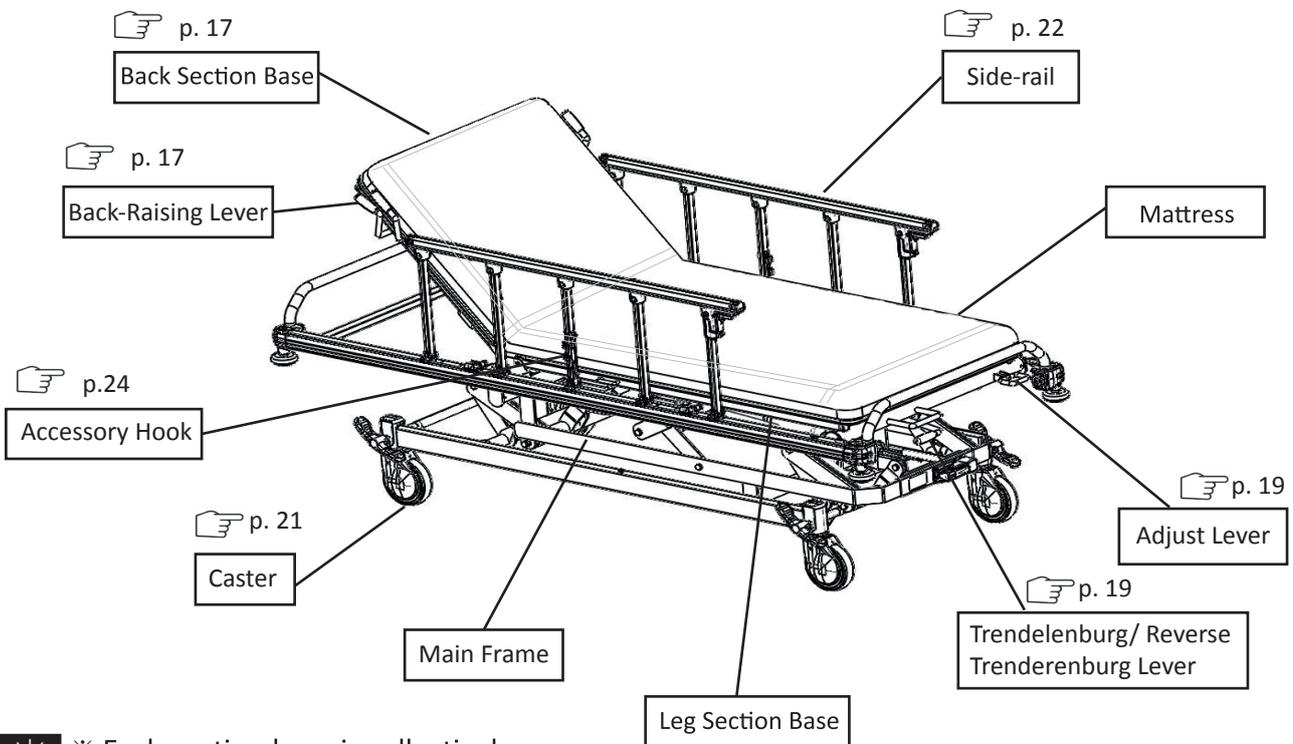
1 INTENDED USE / PART NAMES

1. INTENDED USE

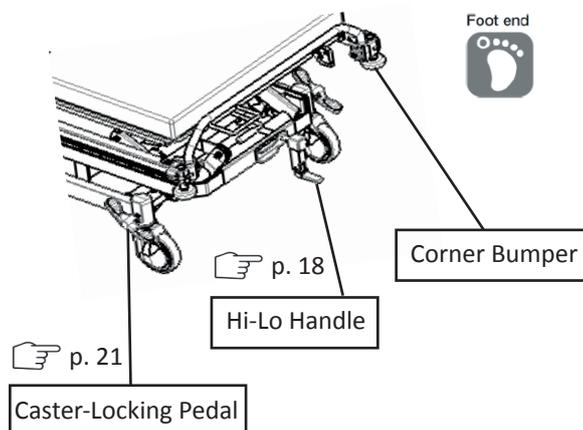
■ This stretcher is designed to be used in medical institutions to transport patients or support them as they receive treatment.
※Please refer to the 「SPECIFICATION」 for the target patient groups and the intended users.

2. PART NAMES

 The page number shown next to this symbol indicates where the related explanation can be found

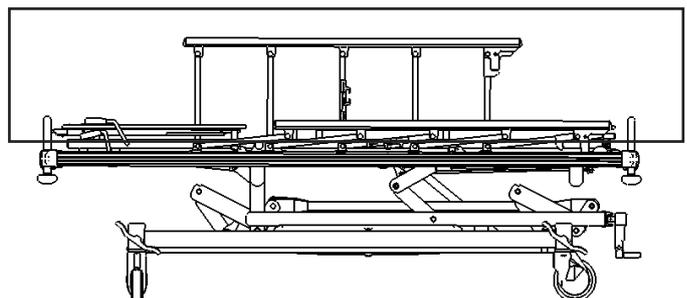


※ Each section base is collectively called a mattress base



【Applied Part】

Part of ME EQUIPMENT that in normal use necessarily comes into physical contact with the patient for ME EQUIPMENT to perform its function



2 SAFETY PRECAUTIONS

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

● The safety precautions described here are intended to ensure safe use of the product and prevent personal injury and property damage. Precautions are classified as “WARNING”, “PROHIBITED” and “CAUTION” to indicate the degree of hazard or injury that may result from improper use. **These are important safety precautions that must be strictly observed.**

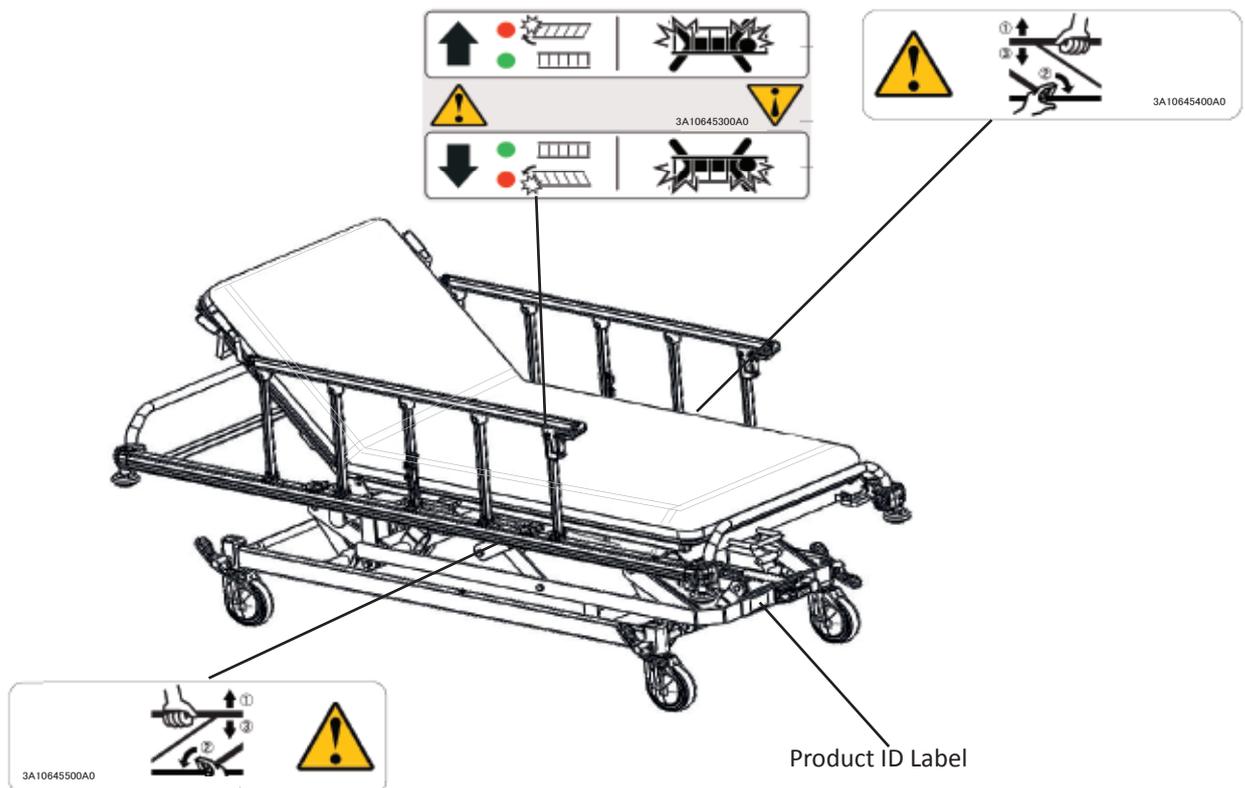
 WARNING	Indicates actions that may result in death or serious injury (broken bones, pressure or paralysis) if the indication is ignored.
 PROHIBITED	Indicates prohibited actions. These are described as “Prohibited” in the accompanying documents.
 CAUTION	Indicates actions that may result in light personal injury (bruises, wounds, or cuts) or property damage if the indication is ignored.

Among items described in SAFETY PRECAUTIONS, [Gap related notes] are especially important because ignoring them could result in serious life-threatening accidents. Be sure to read these notes and use the product safely and properly. Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.

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

[Safety Label]

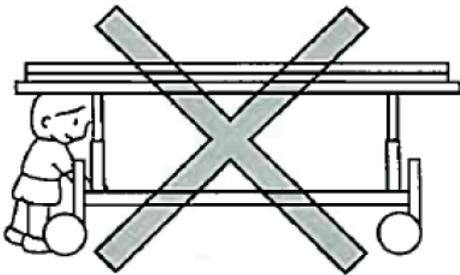
- Precautions requiring special attention by persons using the stretcher are described on labels and affixed to the following locations. Do not remove or deface any labels.
- If the safety label is removed or defaced, replace the part to which the label is affixed. Contact Paramount Bed or your distributor (see “Contact Information” on page 38) for any queries.



2 SAFETY PRECAUTIONS

WARNING

- Do not operate the stretcher with a body part placed in the gap.
 - If the stretcher is operated with a body part placed in the gap, the part may get caught, resulting in injury.
 - Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.
- Do not insert a hand (fingers) or legs between the frame and the mattress base during operation.
 - The body part may get caught in the gap between the lowered mattress base and the frame, resulting in injury.
 - Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.
- Do not crawl under or place your hands or legs under the stretcher.



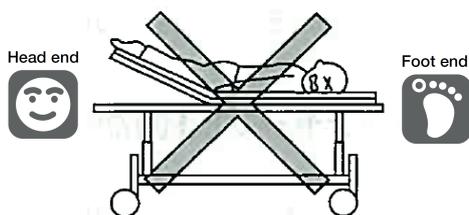
- There is a risk of getting caught between the moving part on the stretcher and the frame or the transfer board, resulting in injury. Check to make sure there are no people or object around the stretcher before operating the stretcher.
- Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.

- Be careful not to allow any part of the body to enter the gap between the stretcher and wall or surrounding obstacles.
 - There is a risk that a part of the body may get caught, resulting in injury.
 - Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.
- Check the patient's condition when adjusting the base angle or the stretcher height or operating the side-rail.
 - If the patient on the stretcher moves when the base angle or the bed height is adjusted, or the side-rail are operated, the patient may fall off the stretcher or get caught in the gap, resulting in injury. Perform the adjustment while supporting patients who cannot maintain their posture independently.
- Make sure that there is nothing in the accessories attachment holes, when mounting the suitable products.
 - If there are obstacles in the accessories attachment holes, you cannot mount the suitable products and the patient may fall off the stretcher or get caught in the gap, resulting in injury.
- Pay attention to prevent tubes (drains) from getting caught.
 - Pay attention to prevent tubes (drains) from getting caught in the gap between the side-rail and the mattress. The tubes might be squashed.

2 SAFETY PRECAUTIONS

WARNING

- Take care to prevent a patient from falling off the stretcher even when side-rail are raised.
 - The patient may fall off the stretcher from the end of side-rail or the head end or the foot end of the stretcher, resulting in injury.
 - If the patient bends forward over the side-rail, and may fall off the stretcher, resulting in injury.
 - It is not effective enough to prevent the patient from falling off the the stretcher when raising the back section base.
 - Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.
- When leaving the stretcher area temporarily taking your eyes off the patient, check the mattress base angle and the stretcher height, and raise the side-rail.
 - If the physician, nurse or caregiver leaves the stretcher area or temporarily takes their eyes off the patient, adjust the mattress base angle and the stretcher height according to the patient's condition, and raise the side-rail because there is a slight chance that the patient could fall off the stretcher.
 - As necessary, use the restraint belts.
- Use the stretcher in the correct orientation.



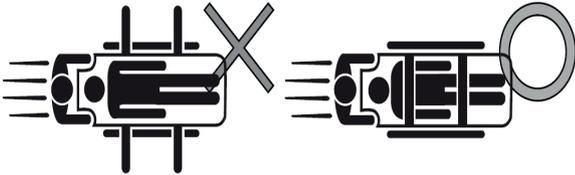
- Lying down on the stretcher with the feet at head end and the head at the feet end induces and unnatural posture during stretcher operation (base angle) which may result in injury.

- Do not perform any angle adjustment when the patient is lying face down or on their side (in any posture other than lying face up).
 - There is a risk of injury caused by extending the joints backward.
- Lock the casters at all times except when moving the stretcher.
 - The stretcher may move when a patient gets into or out of the stretcher, resulting in an unexpected injury.
 - When moving the stretcher, operate the caster operation pedal and unlock the casters. (See P. 21)
- Pay attention to the casters which face outward.
 - If the casters face outward, the patient may fall over the casters, resulting in injury.
 - As necessary, force the casters face inward when locking the casters.
- When moving the stretcher, watch up your step
 - Your leg may bump into the caster operation pedal or your foot may get caught by a caster, resulting in injury.
- Do not use the bed when the mattress is not placed.
 - The body part (Fingers of hands or legs) may get caught in the gap between the mattress bases, resulting in injury.
 - Make sure to using sheets when use the mattress, so the patient does not contact directly with mattress

2 SAFETY PRECAUTIONS

WARNING

- When transporting a patient, fasten the two pairs of restraint belts, raise the side-rail, and continuously monitor the patient.



- The patient may fall off the stretcher, resulting in injury.

- Be careful moving the stretcher on a steep slope.

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

- Pay attention to prevent the patient from being compressed by the back section base.

- If the angle between the back section base may be low by operating the mattress base, the patient might be compressed, resulting in injury.

- Do not sit down on the end of the stretcher



- The stretcher may incline, and there is risk of injury caused by the patient falling off the stretcher.

- Prevent the patient from slipping off the stretcher



- The patient may slip off the stretcher and get injured. The attendant should support the patient's body to prevent the patient from slipping off the stretcher. When the stretcher tilting operation is performed, fasten the restraint belts to the patient.

- Do not combine the stretcher with products other than suitable products (including mattresses) specified by Paramount Bed.

- For option directly attached to the stretcher such as mattresses or foot board, use suitable product specified by Paramount Bed. Using other product may create unintended gaps, cause interference between product, or lower the product safety, which may result in injury or operational failure.

- Do not operate side-rail from inside the stretcher.

- The side-rails may drop suddenly and there is a risk of injury caused by the patient falling off the stretcher.

- Do not lean on the side-rail

- The stretcher may be out of balance and fall over.

- Do not jump on the stretcher

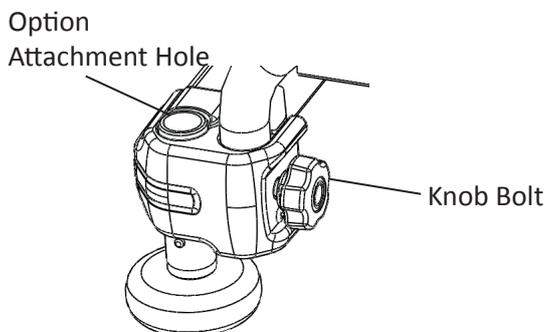


- This may cause fall or injury

2 SAFETY PRECAUTIONS

WARNING

- Fasten the knob bolts when any optional attachments are mounted in the option attachment holes.



- Otherwise, there is a risk of injury from falling off the stretcher if options unexpectedly comes loose and tips over.

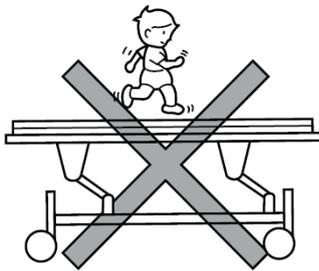
- Be careful with the gas spring on the back section base.
 - If the gas spring on the back section base is took apart or burned, the gas spring might be broken or inner gas may belch, resulting in injury.
- Use the stretcher accordingly to the patient's medical condition.
 - The stretcher operations may adversely affect the medical conditions of patients with specific symptoms. Before the patient or a family member operates the stretcher, make sure that the physicians or nurses explained details given in the instruction manual and proper usage to suit the patient's medical condition.
- Pay attention to prevent the clothes from tangling in the stretcher.
 - The patient may fall off the stretcher when getting on or off the stretcher, resulting in injury.
 - If you operating the stretcher when the clothes tangle in the stretcher, the clothes are plucked, resulting in injury.
- Keep the stretcher away from fire.
 - Do not use thermal appliances such as heaters near the stretcher. Otherwise, the stretcher may be damaged or deformed, or even catch fire.
- Inspect the stretcher regularly.
 - The product exhibits wear and deterioration according to the frequency and condition of use. Inspect for loose parts, the operation of moving parts on the stretcher, and the presence of damage regularly. There is a risk of an unexpected injury.
- Do not use the stretcher in the oxygen tent.
 - There is a risk of fire
 - When using oxygen administration device, use mask type or artificial respirator type only.
- Do not use the stretcher when using flammable anesthetic agent.
 - There is a risk of fire.
- Make sure that the stretcher are properly locked after raising side-rail. (Green in the indicator window)
 - If not properly locked (red shows), the side-rail may lower and the patient may fall off and get injured.

2 SAFETY PRECAUTIONS

PROHIBITED

- Do not allow the stretcher to be operated by a child aged 12 or under, or someone deemed incapable of comprehending the operation of the stretcher.
 - There is a risk of unexpected injury by mistake.
- Do not use the stretcher for infants or small children.
 - This stretcher is not designed for infants or small children. There is a risk of injury caused by the infant or small child getting caught in the gap.
 - There is a risk that infants may fall off the stretcher, even when the side-rail are used.

- Do not stand on the stretcher



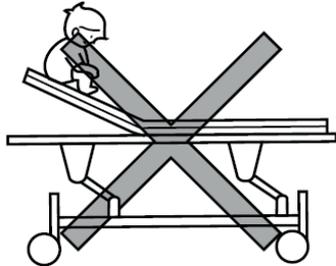
- There is a risk of injury caused by the person falling off the stretcher or falling down, or the stretcher could be damaged or deformed. Pay close attention to children.

- 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.
- Do not attach a restraint belt to the side-rail and main frame.
 - The belt could unexpectedly come off, resulting in injury, or the stretcher could get damaged or deformed
- Do not perform the stretcher operation such as raising the back section base with a restraint belt attached.
 - The patient's body may be squeezed resulting in injury or the stretcher may get damaged or deformed.
- Do not repair or modify the product or its components.
 - This may create unintended gaps or may cause abnormal operation, resulting in injury.
- The stretcher should not be used by two or more persons.
 - This stretcher is designed for use by one person. When used by two or more persons, the bed could be damaged, resulting injury. User's maximum weight is 138kg. If a physician, nurse, or caregiver needs to get on the stretcher for a short time, confirm the following conditions before hand.
 - The total weight of the person to get on the stretcher must not exceed 138kg.
 - The mattress base has been lowered all the way and is flat.
- Do not apply more than the safe working load on the stretcher.
 - The stretcher could be damaged, resulting in injury. The safe working load of this stretcher is 2000N (204kgf). The safe working load is the maximum load with which the stretcher can be operated and is the total load of the user's weight and incidental items including the mattress and options.

2 SAFETY PRECAUTIONS

PROHIBITED

- Do not get on the mattress base when it is raised.



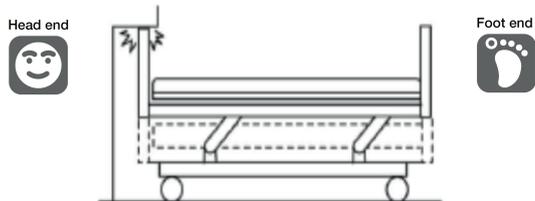
- Excessive force on the mattress base can cause damage or deformation.

- Do not stand on the caster lock pedals.
 - The stretcher may tip over, causing an injury or the stretcher may break.
- Do not place an object that sticks out from the base cover.
 - When the stretcher is lowered, object may get caught between the frame and the base cover, and object and the base cover may get deformed or damaged.
- Do not place the stretcher on the inclination which angle is 5 degree or more.
 - The stretcher may tip over, resulting in an injury.
- Do not use the mattress when the fastener is open.
 - If liquid get inside of the mattress from fastener, urethane foam may deteriorate.
- Do not place something cold (ex. ice pack or refrigerant) on the mattress directly
 - If the mattress gets cold, urethane foam may deteriorate by condensation.
- Do not sleep face down.
 - If the patient sleeps face down for a prolonged time, there is a risk of asphyxiation because the mattress cover is not breathable.
- Do not spray a spray-type insecticide directly on the stretcher.
 - There is a risk that the solvent contained in insecticide may damage, discolor, or dissolve casters or other resin parts of the stretcher. Check for damage caused by insecticide because damaged or dissolved parts may cause an unexpected injury.

2 SAFETY PRECAUTIONS

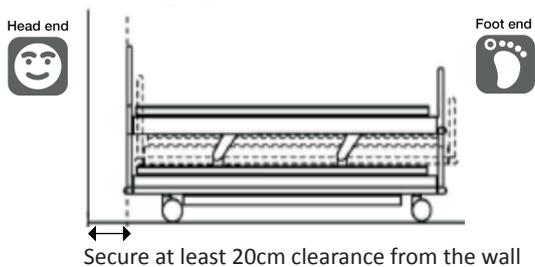
CAUTION

- When performing the height adjustment or inclination angle adjustment, pay attention not to hit the wall and beam.



- The stretcher or wall may be damaged or deformed. Make sure that the stretcher does not hit the wall and beam during the height adjustment or inclination angle adjustment.

- When setting up the stretcher, make sure that there is at least 20 cm clearance from the wall.

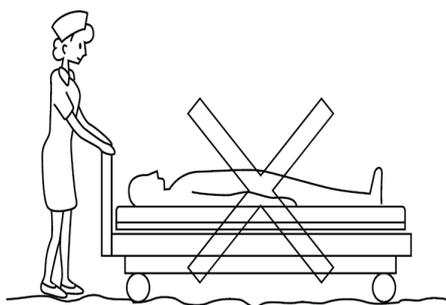


- The main frame moved back and forth during inclination angle adjustment and could hit the wall, causing damage or deformation of the stretcher.

- Check around the stretcher before operating the stretcher.

- The stretcher operations may damage objects located around the stretcher, or may cause the stretcher to be damaged or deformed.

- Avoid transporting over uneven floors.

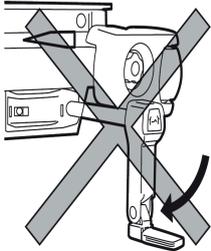


- This may cause damage to the stretcher, or deformation or failure of the stretcher. If moving on uneven floor is necessary, move the stretcher as slow as possible.

2 SAFETY PRECAUTIONS

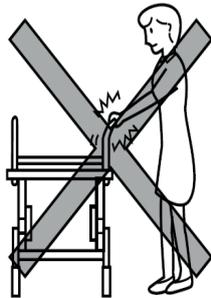
CAUTION

- Do not excessively turn the handle for adjusting the angle of Hi-Lo section base.
(PK-5114, PK-5114X only)



- Be careful when adjusting the angle of Hi-Lo section base. Turning the handle excessively may result in the handle damage or malfunction.

- Do not move the stretcher by holding on to the side-rail only.



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

3 INSTALLATION

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

- Location expose to direct sunlight.
- Location near heat souches such as a stove or heater
- Location which is heavily electrically charged such as near an MRI.
- Location that has a high oxygen level.
- Location exposed to excessive amounts of water vapor or oil vapor
- Location that tend to be exposed to high temperatures, high humidity, low temperatures or dry conditions.

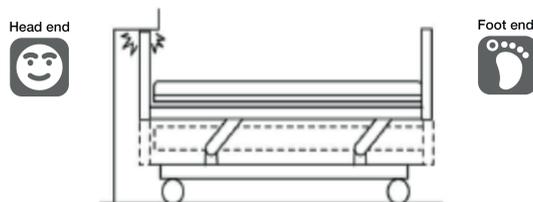
※ The optimum ambient conditions for the stretcher are as follows.

Temperature 5°C to 40°C/ Humidity 20%RH to 90%RH / Atmospheric pressure 700hPa to 1060hPa.

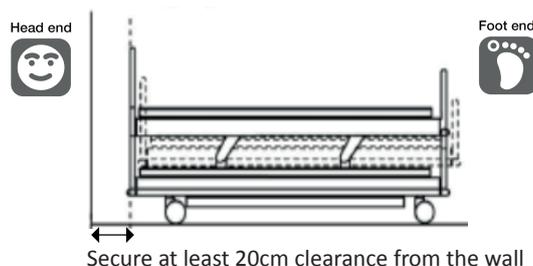
- Location with large amount of dust, smoke, salt, sulfur, or corrosive substances
- Location with poor ventilation
- Location exposed to vibrations or shocks (including during transportation)
- Location where the floor is not strong enough
- Location where the floor is not level.

CAUTION

- When performing the height adjustment or inclination angle adjustment, pay attention not to hit the wall, beam, or power outlet on the wall. The stretcher or wall may be damaged or deformed. Make sure that the stretcher does not hit the wall, beam, during the height adjustment or inclination angle adjustment.



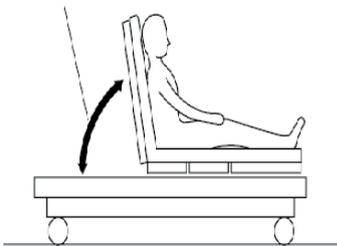
- When setting up the stretcher, make sure that there is at least 20 cm clearances from the wall. The main frame moved back and forth during inclination angle adjustment and could hit the wall, causing damage or deformation of the stretcher.



4 OPERATION OVERVIEW

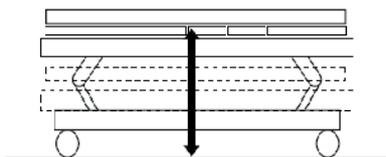
Back Raising

0° to 90°



- The back section base can be manually adjusted from an angle 0° to 90°. (see p.17)

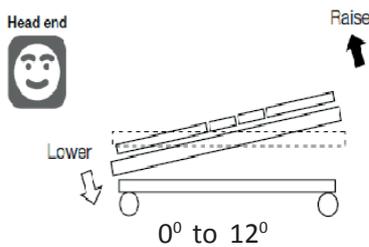
Height Adjustment



58 cm to 90 cm

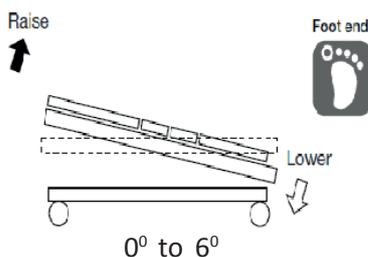
- The stretcher height can be adjusted from 58 cm to 90 cm, measured from the floor to the mattress base. (see p.18)
- ※ In the case of PK-5114X, the stretcher height can be adjusted from 63 cm to 95 cm, measured from the floor to the mattress base.

Tilt (Trendelenburg position)



- The stretcher head end can be lowered to an angle 12. (see p.19)

Tilt (Reverse Trendelenburg position)



- The stretcher foot end can be lowered to an angle 6. (see p.19, p.20)

5 SPECIFICATIONS

Description		STRETCHER		
Family name		PK-5100 Series		
Model No.		PK-5104	PK-5114	PK-5114X
Dimensions	Total Length	2175 mm		
	Total width	900 mm		
	Mattress base length	1985 mm		
	Mattress base width	750 mm		
	Mattress base height	580[±10] to 900[±10]mm		630[±10] to 950[±10]mm
	Back section angle	0° to 90°[±3]°		
	TR/RTR	–	TR:12°[±2]°/ RTR:6°[±1]°	
	Casters	150 mm dia. Single-wheel casters (Total locking system)		
Product Weight		110 kg	145 kg	155 kg
X-ray Function		–		•
Material	Mattress Base	Particle board with melamine		MDF
	Main Frame	Steel		
	Side-rail	Aluminium		
Mattress	Dimensions	Width 750 mm x Length 1985 mm x Thickness 80 mm		
	Surface material	Vinyl leather		
	Core material	Urethane Foam		
Writing Table		–		
Safe working load		204 Kgf (2000 N)		
Operating system	Back raise section	Linkage Mechanism Using a Gas Spring		
	Height adjustment	Linkage Mechanism Using a Manual Actuator		
	Trendelenburg	–	Linkage Mechanism Using a Gas Spring	
Service life		8 years (based on Paramount Bed data), excluding consumable items such as casters.		

5 SPECIFICATIONS

Description		STRETCHER		
Family name		PK-5100 Series		
Model No.		PK-51042	PK-51142	PK-51142X
Dimensions	Total Length	2175 mm		
	Total width	900 mm		
	Mattress base length	1985 mm		
	Mattress base width	750 mm		
	Mattress base height	580[±10] to 900[±10]mm		630[±10] to 950[±10]mm
	Back section angle	0° to 90°[±3]°		
	TR/RTR	–	TR:12°[±2]°/ RTR:6°[±1]°	
	Casters	150 mm dia. Single-wheel casters (Total locking system)		
Product Weight		110 kg	145 kg	155 kg
X-ray Function		–		•
Material	Mattress Base	Particle board with melamine		MDF
	Main Frame	Steel		
	Side-rail	Aluminium		
Mattress	Dimensions	Width 750 mm x Length 1985 mm x Thickness 80 mm		
	Surface material	Vinyl leather		
	Core material	Urethane Foam		
Writing Table		•		
Safe working load		204 Kgf (2000 N)		
Operating system	Back raise section	Linkage Mechanism Using a Gas Spring		
	Height adjustment	Linkage Mechanism Using a Manual Actuator		
	Trendelenburg	–	Linkage Mechanism Using a Gas Spring	
Service life		8 years (based on Paramount Bed data), excluding consumable items such as casters.		

5 SPECIFICATIONS

■ Essential performance

Function to support and transfer the body of patients.

■ Frequently used functions

Caster lock/unlock, side-rail raising and lowering operation.

■ Classification and standards standards

The Stretcher described in this instruction manual is designed and manufactured according to the following equipment classification and standards.

- Classification as Medical Device in Europe : Class 1
- Safety standards applied : IEC 60601-1:2005+A1:2012
: EN60601-1:2006+A12:2014

Environmental conditions	Range	
	When transported or stored	When in use
Temperature	-10 to 50°C	5 to 40°C
Humidity	20 to 90%RH	20 to 90%RH
Air pressure	700 to 1,060hPa	700 to 1,060hPa

Patient target groups	Supported age range	13 years and older *Do not use the stretcher for children (aged 12 or under) or patient weighing more than 138kg.
	Maximum user weight	138kg
Intended users		Health care workers, patients, relative of patient, and maintenance staff
Clinical benefit		Patient comfort Quality patient care and efficient care provision

6 OPERATING INSTRUCTIONS

1. Back Section Adjustment

■ The back Section base can be raised and lowered by operating the back-raising lever.

● Raising

Grasp the back-raising lever and base grip, then pull up the back section base. Releasing the back-raising lever secures the back section base at the set position.

● Lowering

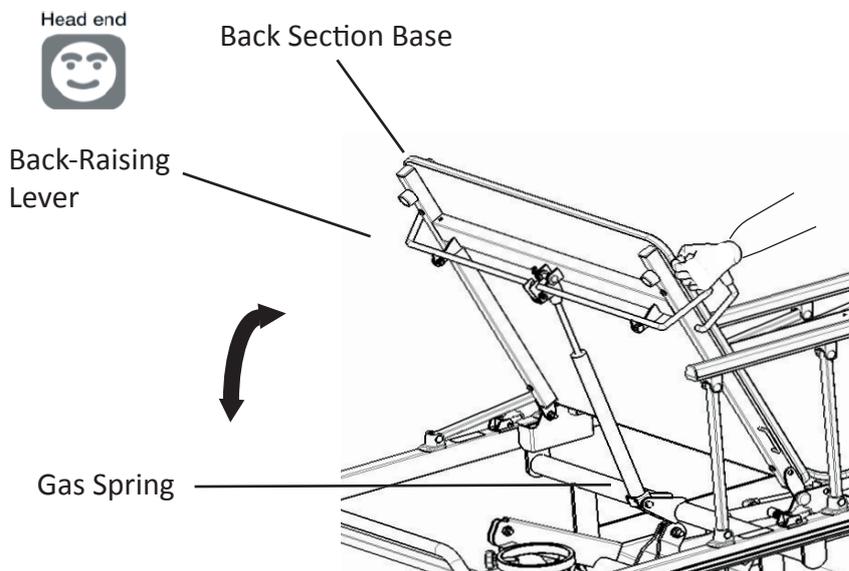
Grasp the back-raising lever and lower the back section base while supporting the back section base with your hands. Releasing the back-raising lever secures the back section base at the set position.

 **WARNING**

Make sure the casters are locked whenever a back section base operation is performed. There is a risk of injury to the patient if the Stretcher moves during a back section base operation



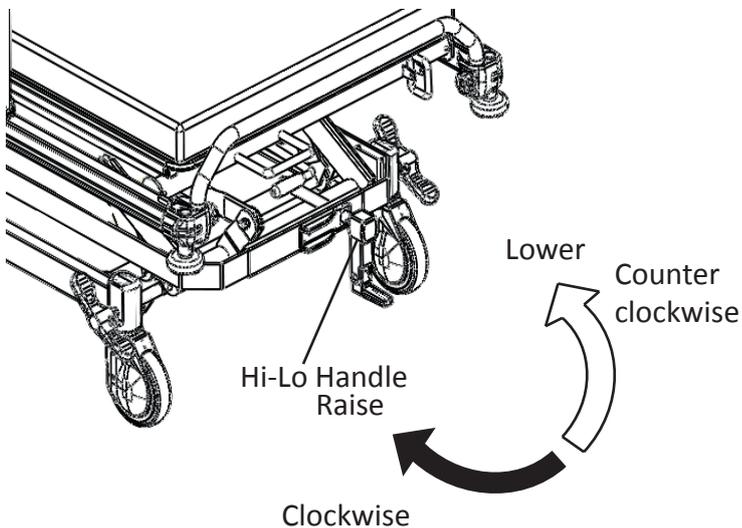
You can hold the back-raising lever with one or both hands when raising and lowering the back section base.



6 OPERATING INSTRUCTIONS

2. Height Adjustment

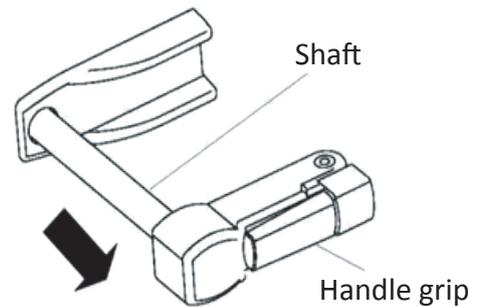
- Use the handle to adjust the height of the stretcher



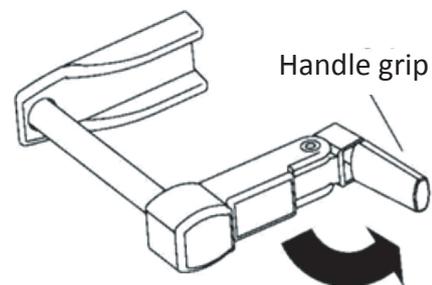
- Height adjustment

The height from the floor to the stretcher base can be adjusted. Right turn for up and Left turn for down.

- ① Pull out handle shaft completely



- ② Open handle grip as shown and turn it

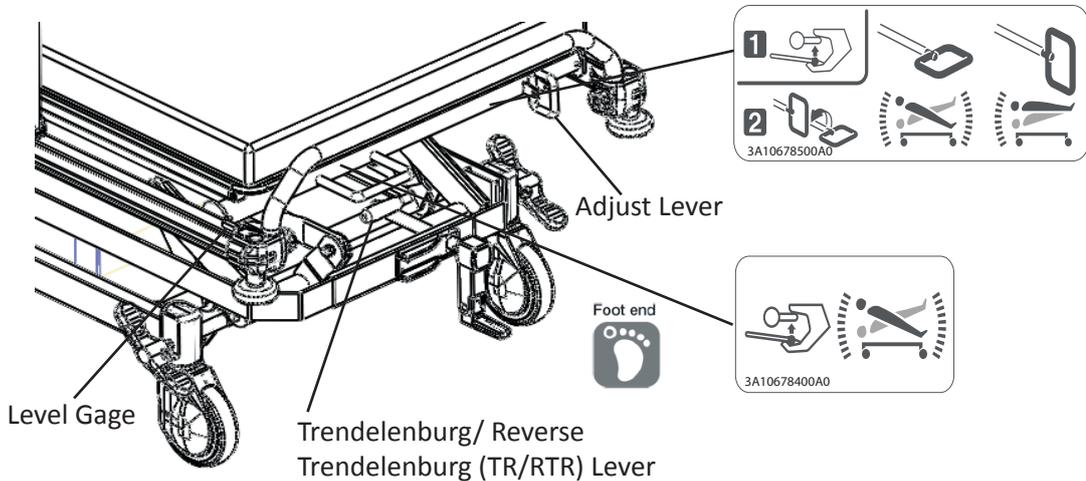


⚠ CAUTION

- Except when it is in use, always fold down the handle grip and store it to its original storage receptacle. Otherwise, you may trip on the handle and get injured.
- Do not touch or kick the handle by foot.
- It may be a cause of injury or equipment damage.

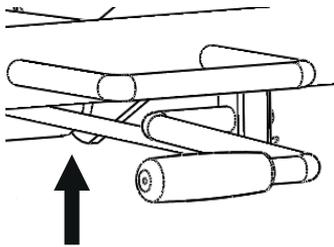
3. Trendelenburg/ Reverse Trendelenburg Adjustment (Only PK-511*)

How to operate Stretcher Trendelenburg/ Reverse Trendelenburg



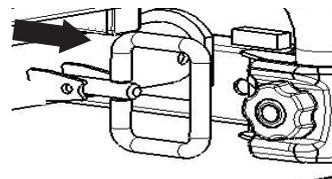
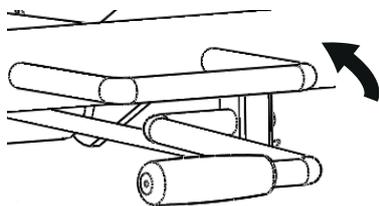
【 Trendelenburg (to raise) 】

- ① Hold TR/RTR lever, and raise the stretcher facing arrow

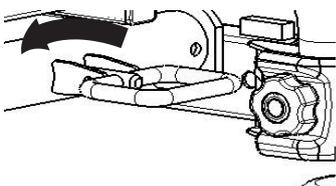


【 Reverse Trendelenburg (to lower) 】

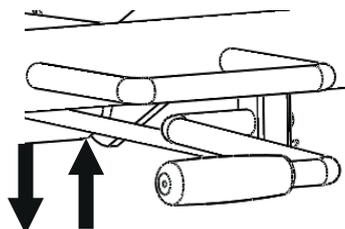
- ① Slightly raise the stretcher using TR/RTR lever
- ② Pull adjust lever



- ③ Turn adjust lever to horizontal position then fix it



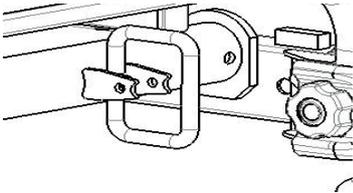
- ④ Hold TR/RTR lever, raise and lower the stretcher facing arrow



3. Trendelenburg/ Reverse Trendelenburg Adjustment (Only PK-511*)

[When returning to a horizontal position]

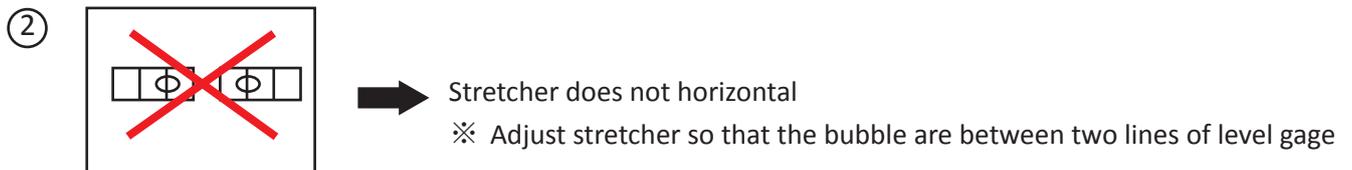
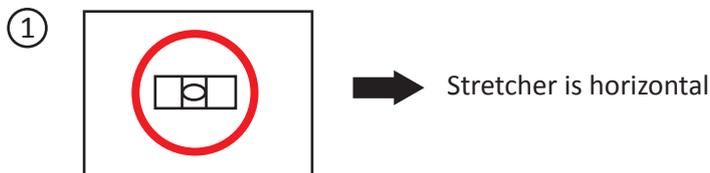
- ① Make sure that adjust lever is on vertical position



- ② When returning to horizontal position, hold TR/RTR lever, and lower the stretcher to a horizontal position. Stretcher automatically stop at the horizontal position

- ③ Check level gage by visual

[Level Gage]



- When returning from trendelenburg to horizontal position, stretcher automatically stop at the horizontal position.
- When returning from reverse trendelenburg to horizontal position, check level gage by visual then return the stretcher to horizontal position.

CAUTION

- Do not bump and hook object on the trendelenburg/ reverse trendelenburg lever. The stretcher can be error in it is operation.
- Do not bump and hook object on the adjust lever. The stretcher can be error in it is operation.

7 CASTERS

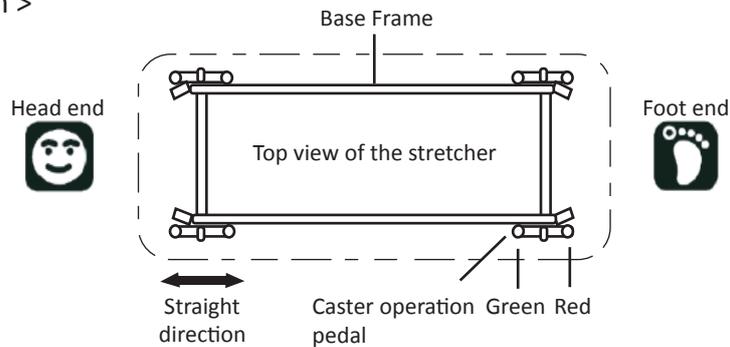
WARNING

- Lock the caster except when moving the stretcher. Otherwise, the patient may be injured while getting on or off a moving stretcher.

CAUTION

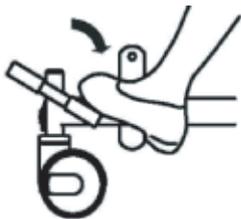
- Do not attempt to forcibly move the stretcher while the casters are locked. Otherwise, malfunctioning may result.
- Do not stand on the caster-locking pedals, otherwise, the pedals may be damaged or deformed.

< Total Lock System >



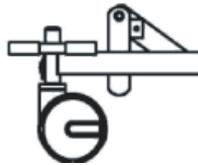
① Locking the four wheels
(Lock position)

Depress one of the caster locking pedals Red. All four wheels are locked.



② Unlocking the four wheels
(Free position)

Raise one of the caster locking pedals until it is the horizontal position.



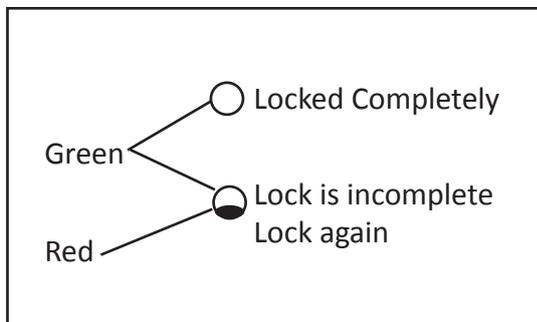
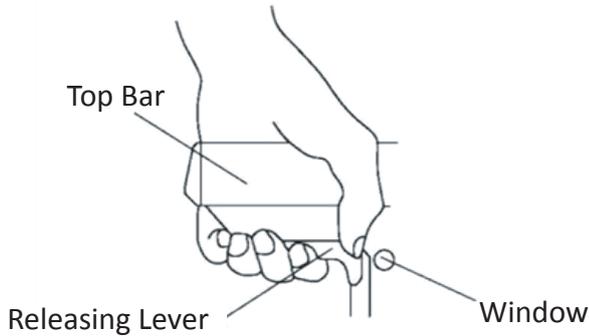
③ Straight line-movement
(Steering Position)

Depress one of the caster locking pedals Green.



8 SIDE-RAIL

- Side-rail are attached to both sides of the stretcher to prevent a sleeping patient from falling off the stretcher



● To Raise

Hold the top bar of the folded side-rail and lift it up. Then, the automatic stopper will work and ensure locking.

⚠ WARNING

- Make sure that the window shows green. If lock is insufficient, the window shows red and side-rail may move. It might be a cause of accident.

● To Fold

Grab the stopper releasing lever, situated at the edge of the top bar on the head end side. Release the locking and press down.

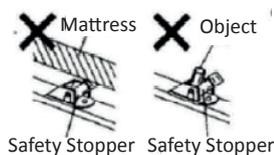
● To make it flat

Push the safety stopper to the arrow side as indicated in the picture when you make the side-rail lowest.



⚠ WARNING

- Do not put anything on/in the safety stopper when you raise the side-rail, the safety stoppers automatically set again by spring.
- Do not put anything on or in the safety stopper. Otherwise, the stopper is not set again may be a cause of accident or deformation.



⚠ WARNING

- Be careful finger not to be trapped when operate safety stopper. Do not put anything between side-rail. Keep head, hand and foot away from side-rail.



⚠ CAUTION

Do not misuse the side-rail



- Use the side-rail under the supervision of doctors or nurses. Do not transfer the stretcher with holding the side-rail. Otherwise it might be a cause of accident.

9 OXYGEN CYLINDER HOLDER

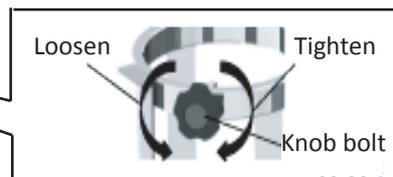
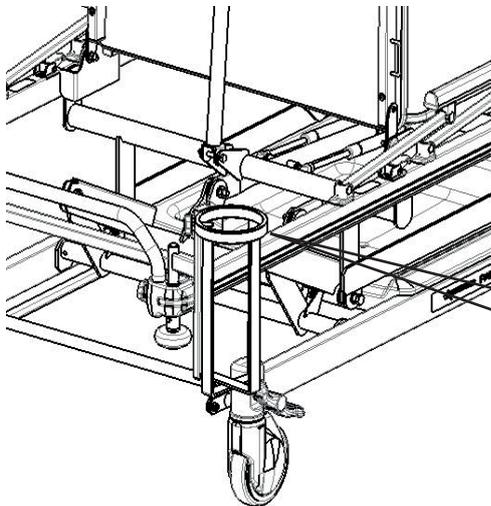
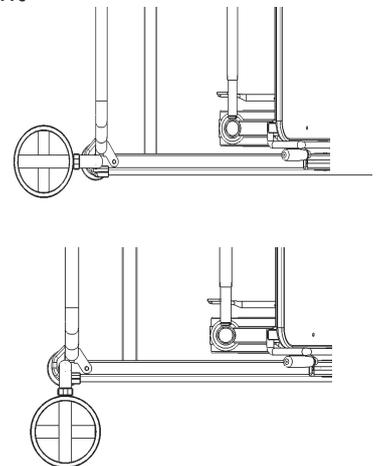
WARNING

- The oxygen cylinder holder is fitted side of the head and foot end of the back section base.
- The oxygen cylinder holder can hold oxygen cylinders (diameter of up to 150 mm) with a maximum 1000-liter capacity.

- The oxygen cylinder holder can be used by inserted into one of the option attachment holes.

Usage instructions

- ① Insert the oxygen cylinder holder into one of the option attachment holes.
- ② The oxygen cylinder holder can be set in two position as shown in figure. After setting, make sure that the oxygen cylinder holder does not rotate.
- ③ Loosen the knob bolt on the oxygen cylinder holder, and then slowly insert the oxygen cylinder into the holder from the top.
- ④ Firmly tighten the knob bolt to fasten the oxygen cylinder.

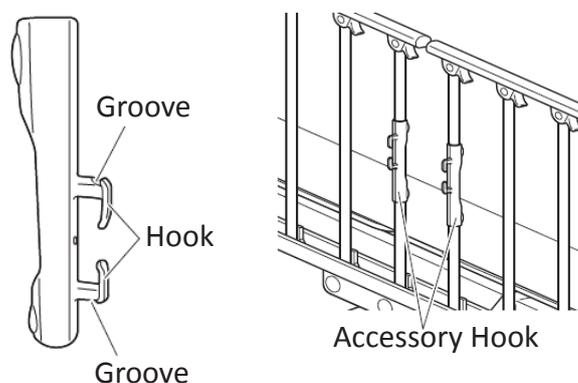


CAUTION

- Make sure the oxygen cylinder does not come into contact with any other objects in the vicinity of the stretcher. Otherwise, you may damage the flow-rate meter.
- After set oxygen cylinder holder, make sure that knob bolt is tightened.

10 ACCESSORY HOOK

- The accessory hook is a product for attaching a urine bag or drainage bag
- The accessory hook is used by attaching it to the side-rail



※ In order to prevent loose urine bag etc., unexpectedly, please hang by using rubber band in the groove of up and bottom hook.

WARNING

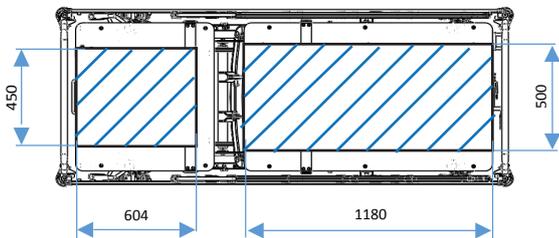
- When attaching articles such as a urine collection bags, do not raise or lower side-rail. It may pull the tube, inducing an injury, or deform or damage the urine collection bags.
- Load capacity of transfer board type's hook is 5 kg, collapsible side-rail type's hook is 3 kg. Do not hang an article exceeding the load capacity because it may damage or deform the hook or frame, resulting in injury.

CAUTION

- If the hook is deformed, do not use it. There is a risk of an injury by touching with the deformed part.
- Adjust the stretcher height so that the urine bag is not on the floor

11 X-RAY CASSETTE RADIOGRAPHY

- X-Ray imaging using the cassette-based system can be performed within the range indicated by the shaded area in the diagram below.
- Imaging can be performed with the back-section base in either raised or horizontal position.
- Both of back and foot section using cassette which can be perform X-Ray.

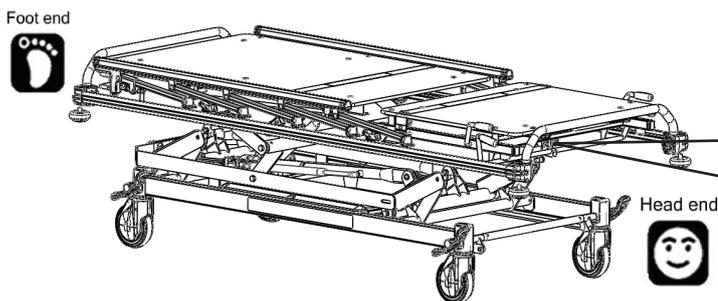


- Imaging cannot be performed when the stretcher is in an inclined (Trendelenburg or reverse trendelenburg) position.

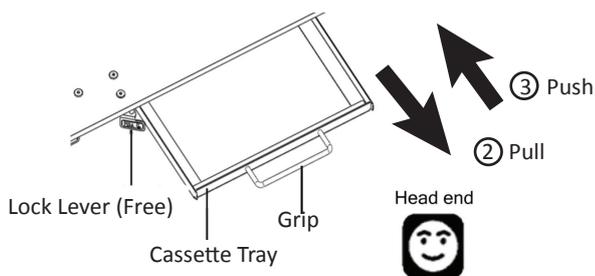
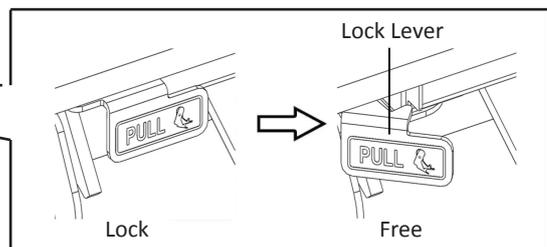
Usable Cassette Sizes

- Size Half-size : 388mm x 464mm or less
Square : 388mm x 388mm or less
- Thickness 15mm or less
- Weight 4.0kg or less

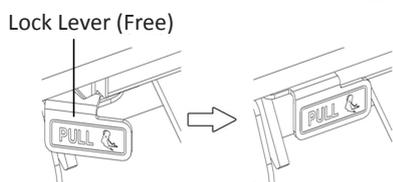
- Setting a cassette (How to setting to Back raise section)



- ① Pull the lock lever toward you to unlock it.



- ② Hold the grip and pull the cassette tray all the way out
- ③ Set a cassette in the cassette tray
- ④ Hold the grip and slowly insert the cassette tray all the way to the rail



- Insert the cassette until it touch the cassette stopper

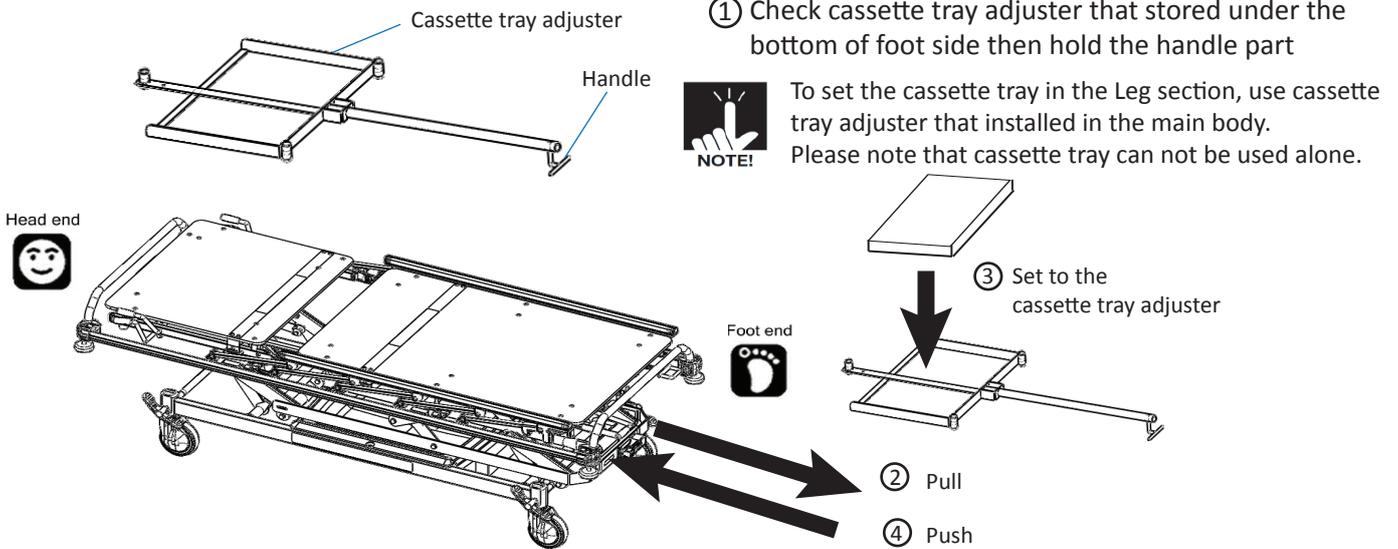
- ⑤ Push the lock lever until it locks into place

CAUTION

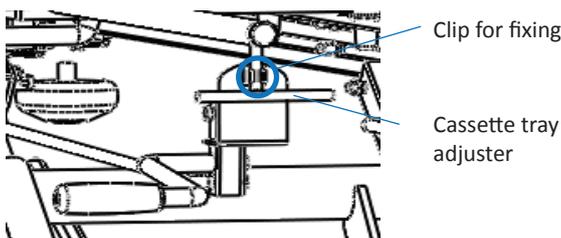
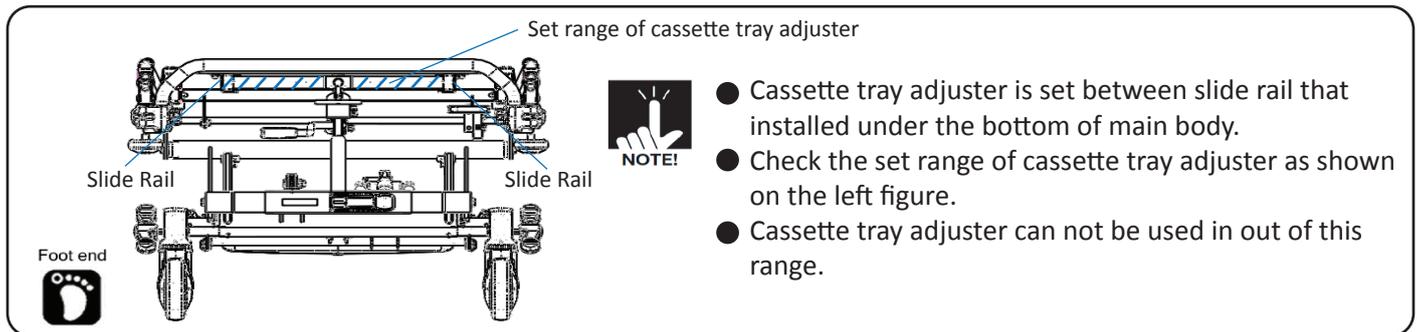
- You must be operate the cassette tray slowly. Not doing so could cause the cassette position to be displaced, possibly producing X-ray imaging problems.
- Always hold the grip when operating the cassette tray. Not doing so could cause your hand or fingers to be caught and injured.
- Other than when you set a cassette, you must use the unit in the status where the cassette tray is pushed in all the way to the rail and the lock lever is locked. If the cassette is not properly seated, there is a risk that the cassette tray or cassette could be ejected during bed operation, causing injury or damage to the bed or cassette.
- Do not incline the bed if a cassette has been set. The cassette may be ejected, causing injury or damage to the cassette

11 X-RAY CASSETTE RADIOGRAPHY

■ Setting a cassette (How setting to leg section)



- ② When hold the handle part of the cassette tray adjuster, pull out it slowly from the bed facing the arrow ②
- ③ Set a cassette in the cassette tray adjuster
- ④ Insert the cassette tray adjuster slowly facing the arrow ④ along slide-rail that installed in the main body



- ⑤ Set cassette tray adjuster to an arbitrary position.
- ⑥ When does not use cassette tray adjuster, fix cassette tray adjuster firmly to main body clip as shown on the left figure.

⚠ CAUTION

- Bed is set in horizontal condition when using the cassette tray adjuster. Cassette tray adjuster may ejected suddenly, causing injury
- Insert cassette tray adjuster between slide rails that installed in main body. If use other part between the slide rails, could cause cassette tray adjuster and the bed to be damaged.
- When pulling out the cassette tray adjuster, please pay attention to the surrounding area.
- Cassette tray adjuster may causing injury to people or things. Keep cassette tray that placed in cassette tray adjuster in specified size. There is a risk of injury by falling etc.
- When does not use cassette tray adjuster, make sure to fix it using clip for fixing cassette tray adjuster. It may ejected suddenly and causing injury

1. Suitable products table

WARNING

- Use suitable products after confirming that the combination of stretcher is correct. Using the stretcher with the wrong combination of suitable products could result in injury or could damage the product. The part number of each suitable products is written on the safety label and on the carton box.
- Do not use suitable products other than those specified in this instruction manual. This may create unintended gaps or may damage or deform the product, resulting in injury.
- Make sure that there is nothing in the accessories attachment holes, when mounting the suitable products. If there are obstacles in the accessories attachment holes, you cannot mount the suitable products, and the patient may fall off the bed or get caught in the gap, resulting in injury.



- When suitable products may be changed due to specification changes or combinations. in addition, some suitable products may not be listed in the table due to new release or discontinuation of sales. For any queries on suitable products, contact Paramount bed (see p.39) or your distributor.

Suitable product ^{*1)*2)}	Model no. ^{*1)}	Reference page
Storage tray	PC-5078	29
Foot board with writing table	PK-2100AA	30
IV pole	KC-56A, KC-56B, EC-562	31
Oxygen cylinder holder	PC-5057	32

*1) These products may not be available in some countries or regions. For details, contact Paramount bed (see p.39) or your distributor.

*2) In some countries or regions, some of the medical device or its accessories fall under the category of medical device. For details, contact Paramount bed (see p.39) or your distributor.

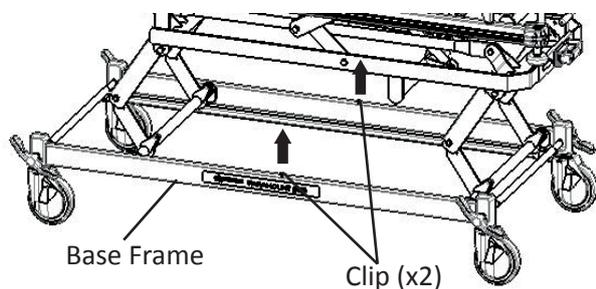
12 SUITABLE PRODUCTS

2. Storage Tray (PC-5078)

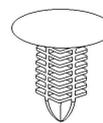
This storage tray is designed to be attached to K5 series to place an objects.

WARNING

- Do not place an object weighing 15 kg or more on the suitable products of storage tray. The storage tray may get damaged or deformed.

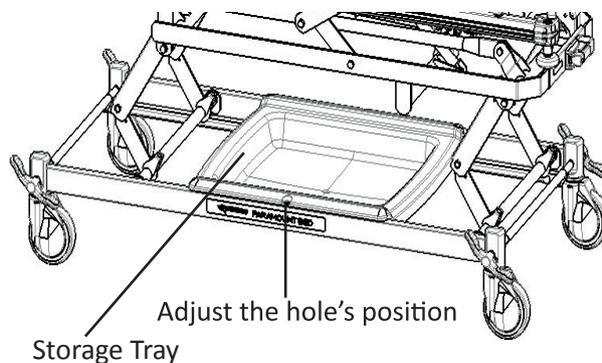


- ① Please remove clip in position that shown in the direction arrow

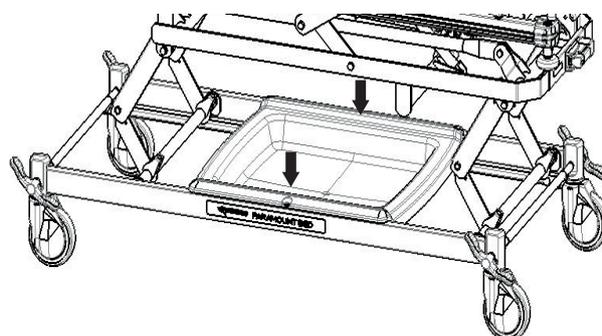


※ There are 1 clip in right and left side.

Clip



- ② Please set in base frame so that removed clip hole and storage tray hole could be match



- ③ Please use the clip which attached to storage tray and fix it in the direction arrow



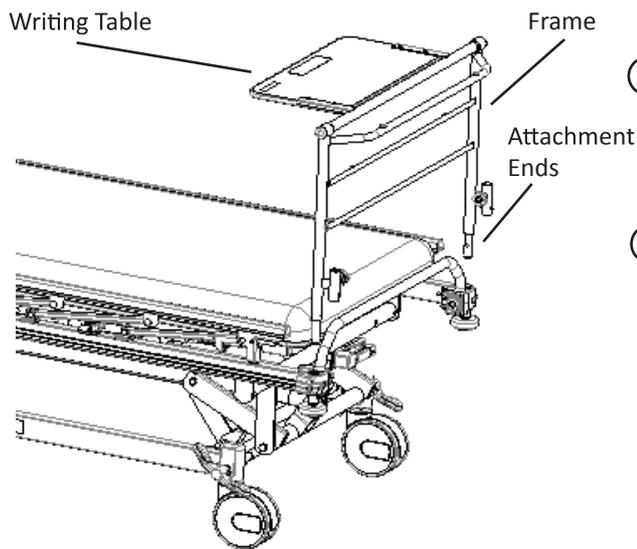
● The description in this instruction manual may differ from the actual product due to specification changes. For any queries, please feel free to contact your distributor.

12 SUITABLE PRODUCTS

3. Foot Board with Writing Table (PK-2100AA)

This writing table is designed to be attached to the K5 series to write on the table.

- The foot board with a writing table can be mounted and detached as required. It should be detached for treating a patient's legs.



Usage instructions

- ① Insert the attachment ends into the accessories attachment holes of the stretcher at the foot end (with the writing table lowered and facing outward).
- ② Rotate the writing table upward to the horizontal position to use it.

⚠ CAUTION

- Remove any object on the writing table to prevent object from falling off when moving the stretcher.
- Fully insert the attachment ends of the foot side into the holes.
The maximum load capacity of the writing table is 20 Kg. Overloading may damage or deform the foot side and writing table.
- Do not place objects that are hotter than 80°C on the writing tables as this may cause damage or discoloration.
- Immediately wipe off any water or chemicals spills on the writing table.
- Failure to do so may result in damage to the writing table.
- Mount the foot side facing the correct direction. If mounted incorrectly, the writing table may strike and injure the patient when lowered. Be careful not to trap your fingers between the writing table and stretcher frame when lowering the table.
- Do not hold and transport the writing table. It may cause the writing table damaged.
- After set writing table, make sure that knob bolt is tightened.



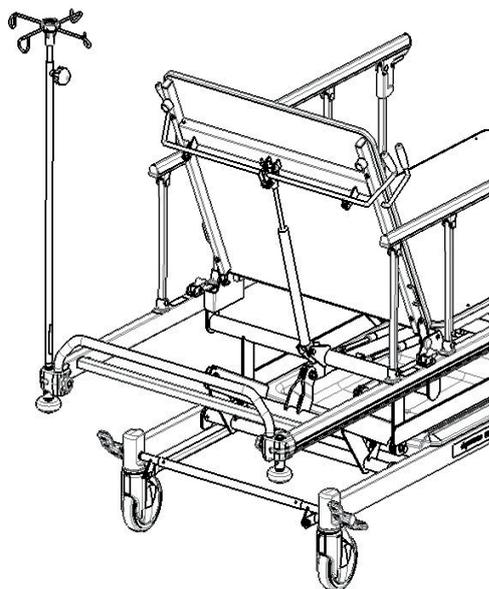
12 SUITABLE PRODUCTS

4. IV Pole (KC-56A/KC-56B/EC-562)

This IV pole is designed to be attached to the medical device when giving an intravenous drip to a patient.

- The IV pole is used for hanging intravenous drip bags and similar items.

(KC-56A)



Usage instructions

- ① Insert the hanger into one of the four accessories attachment holes in the head & foot end.
- ② Adjust the slide pipe up or down to the desired height.
- ③ Turn over the hooks on top of the slide pipe to use the hooks the hang intravenous drip bags or similar item.

How to store

- ① Fold the four hooks on top of the slide pipe back into place.
- ② Pull out the IV pole.

WARNING

- When use the IV pole, do not place your hands or arms between the base and the pole. Otherwise, you may injure your trapped hands or arms.
- The maximum load capacity of each hook is 1 Kg. Overloading may damage the hooks and resulting personal injury.

CAUTION

- Only use Paramount Bed KC-56A/KC-56B/EC-562 IV Pole. Competitive products may not properly clamped into the accessories attachment hole.
- The slide pipe should be adjusted within the ranges below. Note that the pipe may become detached if extended too far. KC-56A/KC-56B : up to 75 cm.
- After set KC-56A/KC-56B/EC-562 IV Pole, make sure that knob bolt is tightened.

4. Oxygen Cylinder Holder (PC-5057)

This oxygen cylinder holder is made for attaching to the medical device to use the oxygen cylinder.

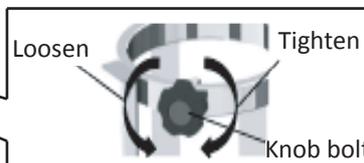
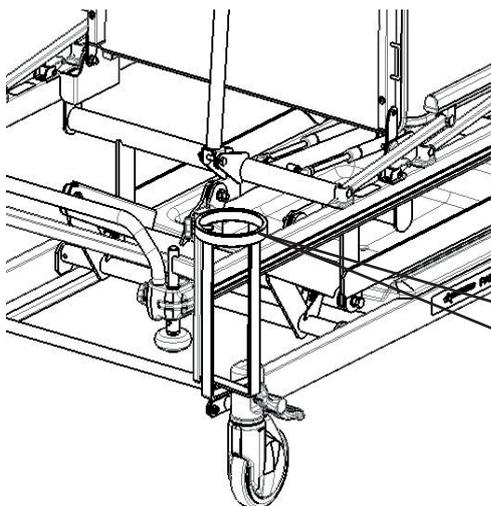
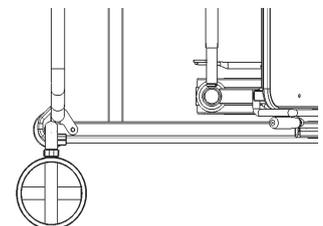
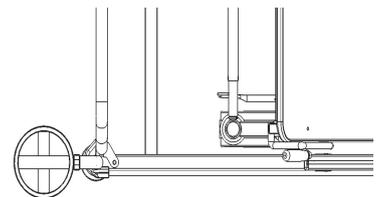
WARNING

- The oxygen cylinder holder is fitted side of the head and foot end of the back section base.
- The oxygen cylinder holder can hold oxygen cylinders (diameter between 9.5 cm and 11.5 cm) with a maximum 500-liter capacity.

- The oxygen cylinder holder can be used by inserted into one of the accessories attachment holes.

Usage instructions

- ① Insert the oxygen cylinder holder into one of the accessories attachment holes.
- ② The oxygen cylinder holder can be set in two position as shown in figure. After setting, make sure that the oxygen cylinder holder does not rotate.
- ③ Loosen the knob bolt on the oxygen cylinder holder, and then slowly insert the oxygen cylinder into the holder from the top.
- ④ Firmly tighten the knob bolt to fasten the oxygen cylinder.



CAUTION

- Make sure the oxygen cylinder does not come into contact with any other objects in the vicinity of the stretcher. Otherwise, you may damage the flow-rate meter.
- After set oxygen cylinder holder, make sure that knob bolt is tightened.

13 DAILY MAINTENANCE AND CLEANING

- To ensure long service life, periodically inspect the stretcher, tighten any loose parts, and lubricate where required.
- The stretcher and mattress should always be kept dry because water or moisture will cause corrosion in metal, resulting in abnormal noise or the spread of bacteria. Therefore, any water or moisture on the stretcher should be wiped off immediately.

Stretcher Unit

- To clean the stretcher, use a cloth that has been soaked in diluted detergent and wrung out well. Then wipe off any residual detergent with a cloth soaked in water and wrung out well. Finally, use a dry cloth to wipe the stretcher to ensure it is dry.
- Never use volatile substances such as thinner, benzene, or gasoline, which may discolor or adversely affect the stretcher finish.
- To disinfect the stretcher, always dilute detergents used as specified below and follow the instructions described in the instruction manual for disinfectant.

76.9% to 81.4%	Ethanol for disinfection
0.05% to 0.2%	Benzalkonium chloride (e.g. Osvan)
0.05% to 0.2%	Benzethonium chloride (e.g. Hiamine)
0.05%	Chlorhexidine (e.g. Hibitane)
0.02% to 1.00%	Sodium hypochlorite (e.g. Milton)
- When changing the patients who use the stretcher, it is recommended to disinfect the stretcher.

WARNING

- Do not splash water to clean the bed. There is a risk of degradation.

CAUTION

- Do not use disinfectant other than those specified. Discoloration or deterioration could result.
- After wrung out the stretcher with detergent, be sure to wipe any residual detergent with a cloth soaked in water and wrung out well. Otherwise, there is a risk of damage to the resin parts.
- If there are changed patient, this is recommended to disinfect bed every time.



Mattress

- Use a soft, clean cloth to clean the mattress.
- First, wipe using a cloth soaked in lukewarm water, then allow the mattress to dry in a well-ventilated area.
- For a particularly dirty mattress cannot be cleaned using lukewarm water only, use a cloth soaked in diluted detergent, followed by a cloth soaked in water to wipe off any residual detergent; then allow the mattress to dry in a well-ventilated area.
- Or even more difficult-to-remove dirt, use a typical household PVC cleaner and soft brush. After cleaning, use a cloth soaked in water to wipe off any residual detergent, then allow the mattress to dry in well-ventilated area.
- When cleaning with alcohol, use a cloth soaked in a 50% alcohol-water solution to wipe the mattress.



NOTE!

- **Never clean the mattress using an ozone sterilizer or autoclave.**

13 DAILY MAINTENANCE AND CLEANING

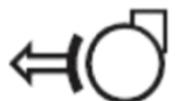
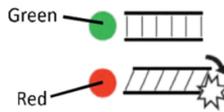
■ For safety in use, inspect the product regularly, at least once a year. The product exhibits wear and deterioration according to the frequency and conditions of use. Inspect for loose parts, the operation of moving parts on the stretcher, and the presence of damage regularly. When an irregularity has been noticed or when a detailed inspection is desired, contact your dealer.

	Operation Details	Inspection Items
Stretcher Unit	Height and tilt operations (p.13 and p.18 - p.20)	Proper operation can be achieved
		There must not be any strange noises or remarkable rattling
		The operation must not be unusually difficult
	Miscellaneous	There must not be any scratches and deformation at the mattress base, frame, or any other parts
		There must not be any deformation, damage, or detachment of bumpers, resin parts, or elastic parts.
		There must not be any peeling of labels, and the text must be legible
Mattress Base	Back raising (p.17)	Proper operation can be achieved
		There must not be any strange noises or remarkable rattling.
		The operation must not be unusually difficult.
	Miscellaneous	There must not be any deformation or crack of the mattress base
Casters ※Inspect the casters on the flat floor	Traveling	There must not be any strange noises when the bed is traveling
		There must not be any strange vibrations when the bed is traveling
	Caster locking operation (p.21)	Proper operation can be achieved
		The operation must not be unusually difficult.
		The bed must not move when the casters are locked.

14 PRODUCT SYMBOL DEFINITIONS

The symbols below are used for this product.

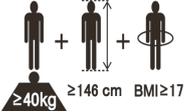
Symbol	Description
	● CE mark
	● Indoor use symbol
	● See the instruction manual
	● Authorized representative in the european community
	● Serial number
	● Safe working load
	● Maximum patient weight
	● Product weight
	● Total weight including load capacity
	● Model number
	● Lot number
	● Sequence of TR/RTR operation

Symbol	Description
	● Turn the height adjusting handle clockwise to raise the stretcher and turn counterclockwise to lower it.
	● 4 casters in locked status (Lock Position)
	● 4 casters in unlocked status (Free Position)
	● Stretcher transportation status (Steering position)
	● Use the stretcher after checking that the collapsible stretcher side-rail
	● Pay attention not to allow the patient's head, hands, or legs to get caught by the collapsible side-rail.
	● Procedure for releasing safety stopper.
	● Temperature capacity
	● Immediately wipe off any water or chemicals spills on the writing table
	● Medical device (This product is a medical device or an accessory for medical device in Europe, and may be such a device in some countries and regions depending on their regulations. An accessory for medical device is required to be labeled as "Medical Device" under medical device regulations in Europe).

14 PRODUCT SYMBOL DEFINITIONS

■ The symbols below are used for this product.

Symbol	Description
	<ul style="list-style-type: none"> ● Country of manufacture * It may be called “Legal Manufacturer” or “Brand Owner”, etc. * The symbol is not applicable in the country of origin.
	<ul style="list-style-type: none"> ● Country of manufacture (made in Indonesia) Manufacturing site * In the country of origin, the site acts as the manufacturer. Date of manufacture (YYYY-MM-DD)

Symbol	Description
<p>UDI</p> 	<ul style="list-style-type: none"> ● This a 2D code (GS1 Data Matrix) that encodes the UDI (Unique Device Identifier) required by the Unique Device Identification system designed to adequately identify device through distribution and use.
	<ul style="list-style-type: none"> ● The medical bed for adults

15 LONG-TERM STORAGE

■ The following precautions should be noted when the stretcher is not in use for extended periods of time.

1. Lay the back section base flat.
2. Lower the stretcher to the lowest position.
3. Do not place objects other than mattress on the stretcher
4. Do not place any objects on the mattress
5. Do not place location that tend to be exposed to high temperatures, high humidity, low temperatures, dry or dusty conditions.
Store at a temperature between -10°C and 50°C , humidity between 30%RH and 90%RH, and atmospheric pressure between 700hPa and 1060hPa.
6. Store the stretcher horizontally; do not stand it upright against wall



- Inspect the product regularly at least once a year, even if it is during storage.

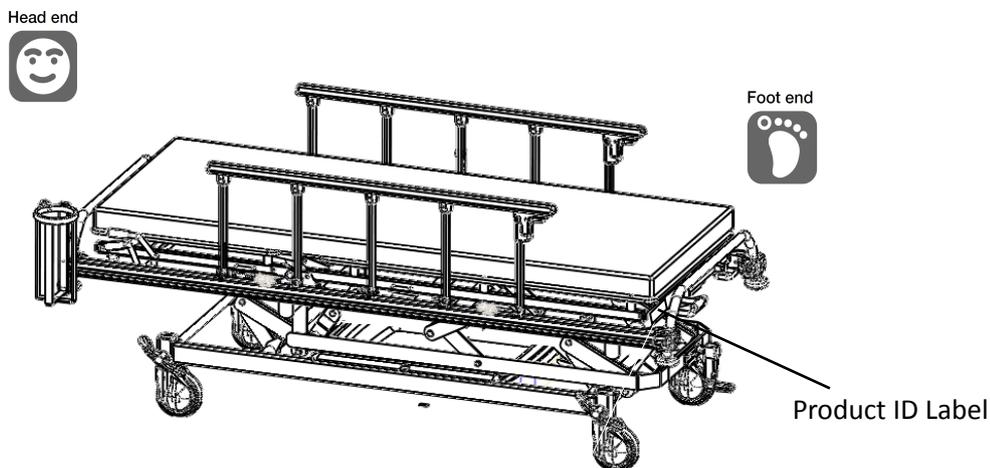
16 TROUBLESHOOTING

- Problem may not always indicate faults. Check the following once again before requesting repair.
- If the problem persists after taking corrective actions, stop using the stretcher immediately, and contact your distributor.
- Stretcher damaged in earthquakes, fires, floods or other incidents must be inspected and repaired by your distributor. Otherwise, there is a risk of injury due to malfunctioning caused by deformation of the stretcher.

Problem	Check	Corrective action	Reference page
The stretcher cannot be positioned correctly	Check if there are any obstacles impeding the movement	Remove any obstacles	-
The stretcher cannot be moved	Check if the casters are locked	Unlock the casters	21
The side-rail cannot be lowered	Check if the safety lock is ON	Release the safety lock	22

- When requesting repairs or contacting your distributor, please provide the number on the product ID label

- Product ID label location



17 AFTER-SALES SERVICE

1. When requesting repairs

First check the items described in “16. TROUBLESHOOTING” (p.37) in the instruction manual. If the problem persists, contact your distributor.

■ Details necessary when requesting repair

- Product name, model number
- Product ID label number (see P.37)
- Date of purchase
- Details of fault or problem (please provide as much detail as possible)
- Your name, organization, address, and phone number

■ Consumable parts

Mattress, casters, the rubber of operation pedals, hydraulic cylinders and gas spring are consumable parts.

2. Minimum stock availability period

Paramount Bed keeps replacement parts (necessary to maintain stretcher performance) in stock for at least 8 years after the discontinuation of production.

3. Questions regarding after-sales service

Contact your distributor.

18 STRETCHER DISPOSAL

Stretcher disposal

When the K5 series stretcher has reached the end of its usable life, discard it according to local standards.

For any queries, please feel free to contact your distributor or to the following addresses.

Website: <https://www.paramount.co.jp/english/>



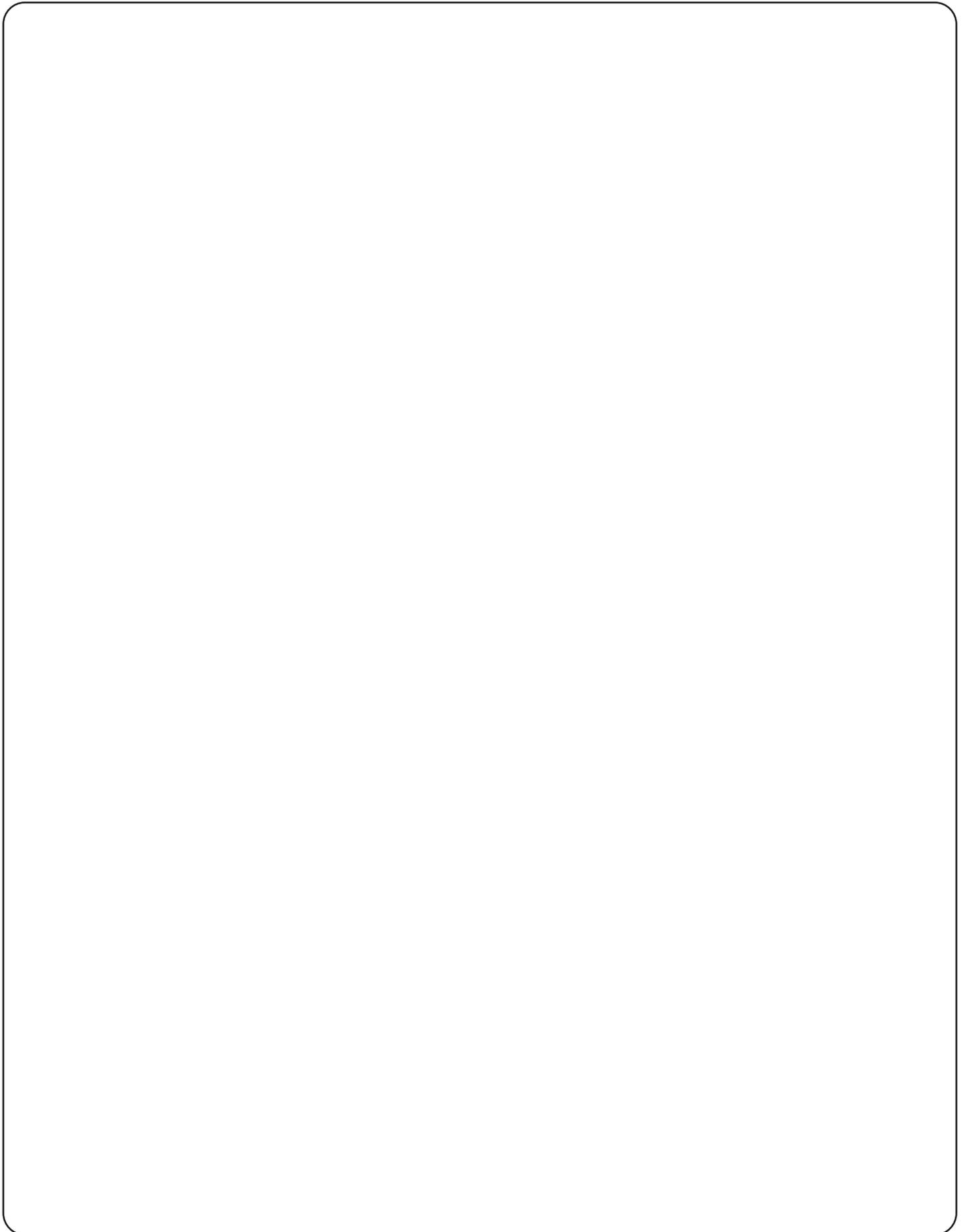
Location in Japan (Manufacturer)	Location in Japan (Manufacturing premises)
 Paramount Bed Co., Ltd. 14-5, 2-Chome, Higashisuna, Koto-ku, Tokyo, 136-8670, Japan Tel : +81-(0)3-3648-2961 Fax : +81-(0)3-3648-5781	 PT.Paramount Bed Indonesia MM2100 Industrial Town, Block M-1-1 Gandamekar, Cikarang Barat, Bekasi 17530, Jawa Barat, Indonesia Tel : +62-(0)21-8981051 Fax : +62-(0)21-89981611



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6827 AT Arnhem
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 PARAMOUNT BED