

# INSTRUCTION MANUAL      KA-8261·KA-8251

## Multiple Medical Recliner

### *L'za* Series

7F11278000A6



#### **Preface**


Thank you for your purchase of the Multiple Medical Recliner **L'za** (hereinafter, "recliner"). This instruction manual describes precautions and how to safely use and operate the recliner.

- To ensure safe and proper use of the product, be sure to read this instruction manual before use.
- After reading this instruction manual, store it in a place that can be easily accessed for later reference.
- Users and/or patients are requested to report information about any serious incident related to this equipment 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 patient, user or other person.
  - b) the temporary or permanent serious deterioration of a patient's, user's or other person's state of health.
  - c) a serious public health threat.
- Some of the descriptions in this instruction manual may differ from the product you have purchased due to model refinements.
- Values described for the operation range, dimensions, angles, and mass are subject to normal manufacturing tolerances. Excluding special cases, in this instruction manual, for display purposes words such as approximately, about, etc. are omitted.
- Contact us (see "Contact Information" on p. 46) or your distributor for any queries.

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## NOTE


-  Numbers with this symbol mark indicate pages where a related explanation is provided.
- After p. 2, some part names described in the text are abbreviated as follows:
  - Multiple Medical Recliner L'za → Recliner
  - Table (KF-8251: sold separately) → Table
  - IV Pole (KC-56E: sold separately) → IV Pole
  - IV Pole attachment hole (KC-8251A: sold separately) → IV Pole attachment hole
  - TV arm holder (KC-8251T: sold separately) → TV arm holder
  - Foot control switch (KC-8251F, KC-8261F: sold separately) → Foot control switch
  - Sheets set (KE-073: sold separately) → Sheets

# 1 INTENDED USE AND FEATURES

## <INTENDED USE>

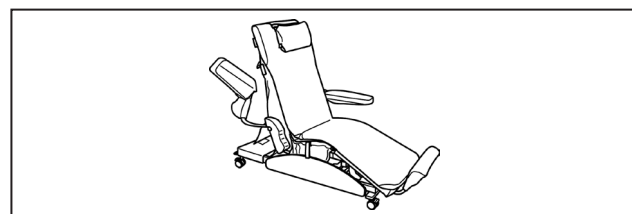
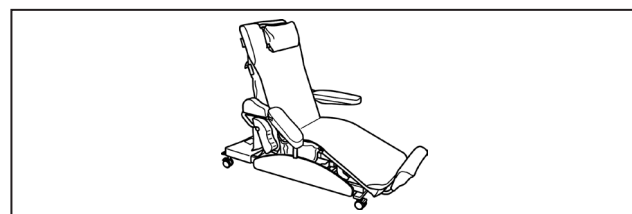
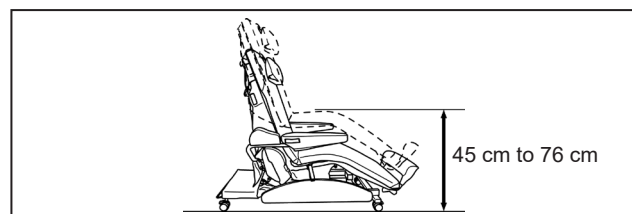
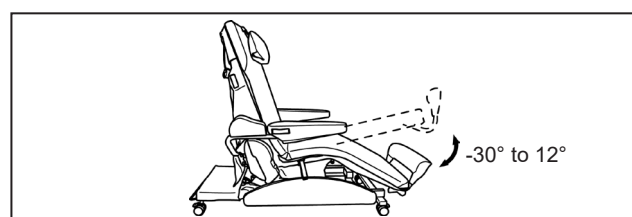
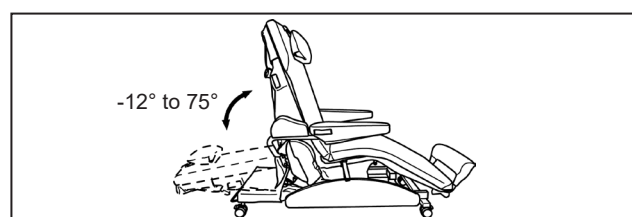
■ The Multiple Medical Recliner L'za is designed to be used in the treatment of dialysis patients and in the drawing of blood samples from patients at medical institutions.






\* For details of the patient target groups, the intended users and the clinical benefits, see “12 SPECIFICATIONS”  p. 40 and 41.

\* For details of the contra-indications, see “PROHIBITED”  p. 12.


## <FEATURES>

### [Frequently used functions]




- Adjusting the backrest angle  p. 22 and 23
  - The backrest angle can be adjusted by the handheld controller, and the patient can be positioned in a comfortable position which is not difficult or detrimental to the human body.
  - \* The backrest can move from an angle of -12° to 75°.
- Adjusting the leg rest angle  p. 22 and 23
  - The leg rest angle can be adjusted by the handheld controller, and the patient can be positioned in a comfortable position which is not difficult or detrimental to the human body.
  - \* The leg rest can move from an angle of -30° to 12°.
- Seat adjustment (3 motor type only)  p. 22 and 23
  - The height from the floor to the recliner seat face can be adjusted by the handheld controller.
  - The nurse can perform puncturing and blood sample collection in a comfortable position.
  - \* The seat face moves in the range of 45 cm to 76 cm.
  - \* This operation can also be performed by the foot control switch.
- Opening and closing the armrest  p. 19
  - The armrest can be opened to the outside, which makes it easier for the patient to get on or off the recliner.
  - The nurse can perform puncturing and blood sample collection in a comfortable position.
  - \* The armrest can be moved to up to 45° to the outside.
- Flipping the armrest up  p. 19
  - The armrest can be flipped upward, which enables the patient to easily be transferred from the wheelchair.


### [Other functions]

- Backrest and leg rest auto contour operation  p. 24


The angle of the backrest and leg rest can be operated at the same time by the handheld controller, and the patient can thus adjust his/her position more quickly.

- Adjusting the footrest position  p. 19

The position of the footrest can be adjusted according to the height of the patient.

- Adjusting the pillow position  p. 21

The position of the pillow can be adjusted according to the height of the patient.

- Emergency back-lowering function  p. 30

The backrest can be lowered rapidly in case of fainting due to anemia or a similar condition and other emergency conditions, or a power failure.

- Four-wheel stopper  p. 29

A stopper is attached to each of the four wheels by which the recliner can be firmly fixed at its position.

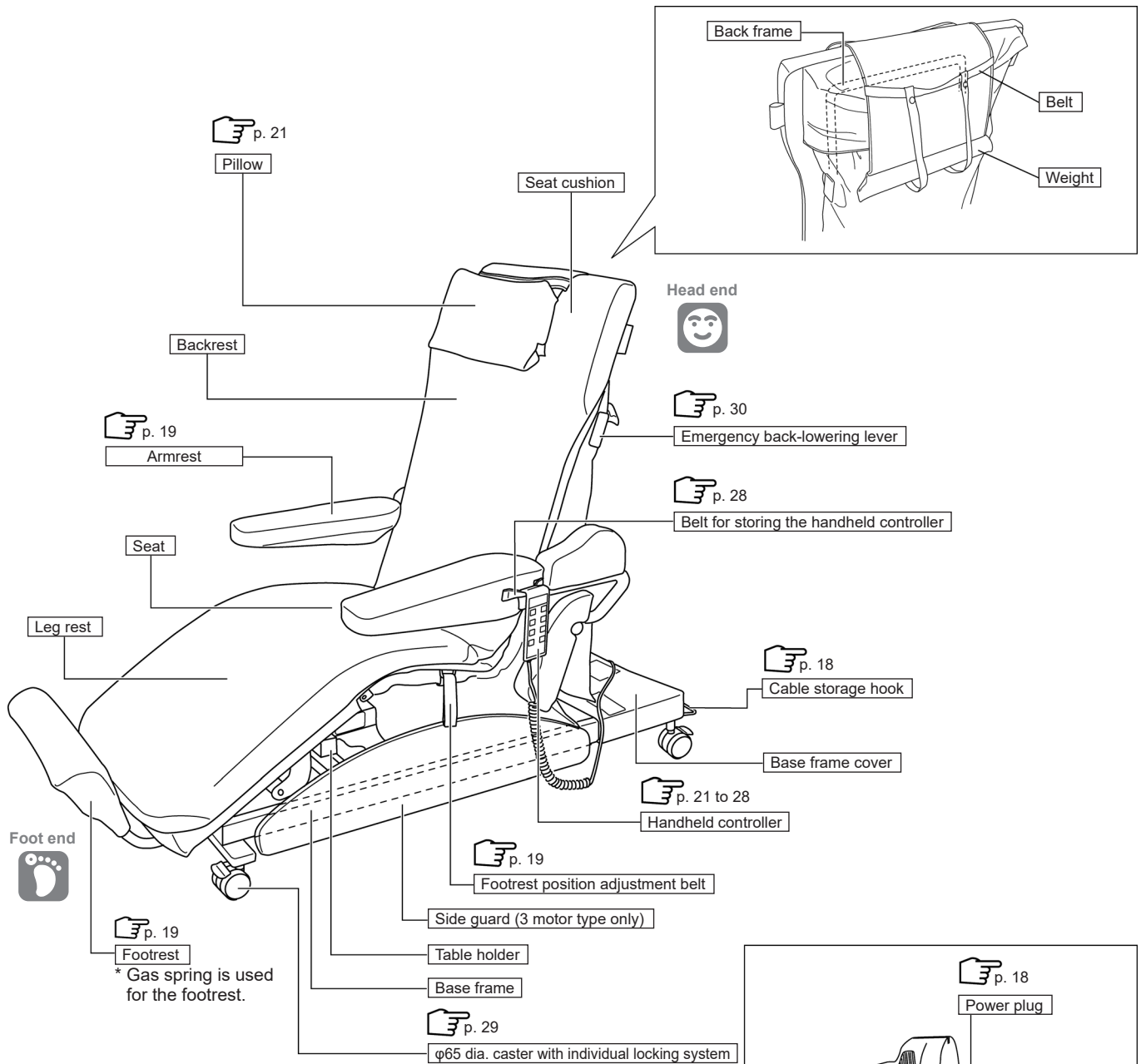
\* The operations performed by the handheld controller, the opening/closing and flipping up of the armrest, the adjustment of the footrest position, and the adjustment of the pillow position are intended to be used by patients.

## 2 PART NAMES

● KA-8261 (3 motor type)

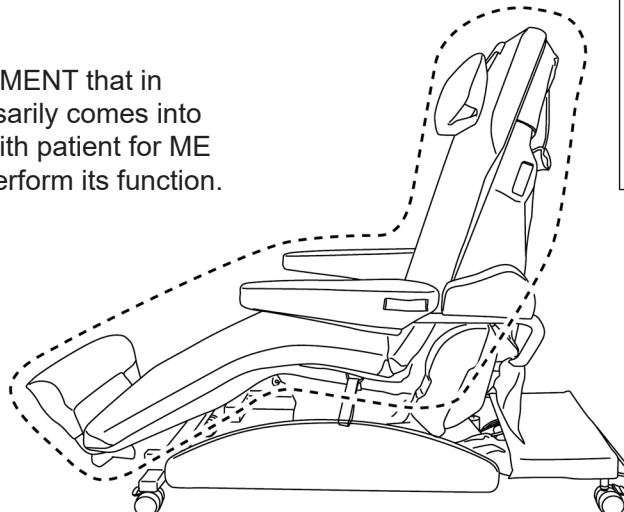
● KA-8251 (2 motor type)

\* The illustration is for the KA-8261.



### Applied part

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






### 3 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.

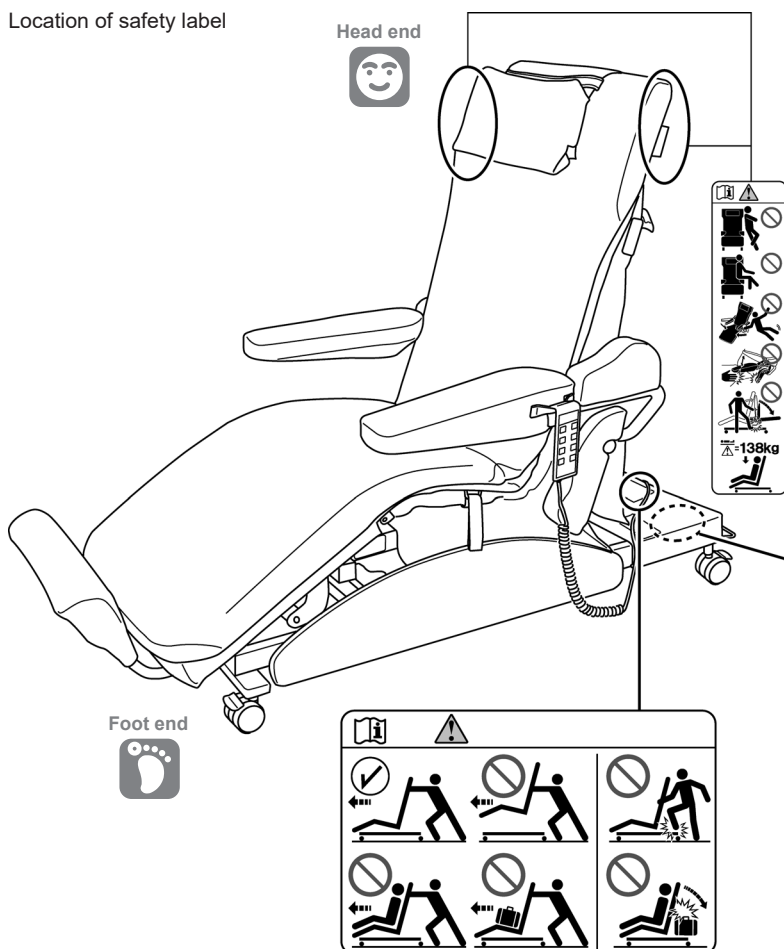
Precautions are classified as “⚠ WARNING,” “⊘ PROHIBITED,” and “⚠ CAUTION” to indicate the degree of hazard or injury that may result from improper use.

Both are important safety precautions that must be strictly observed.

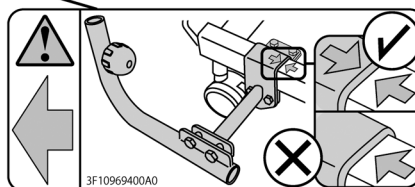
 <b>WARNING</b>	Indicates actions that may result in death or serious injury (broken bones, pressure, or paralysis) if due care is not used.
 <b>PROHIBITED</b>	Indicates prohibited actions.
 <b>CAUTION</b>	Indicates actions that may result in light personal injury (bruises, wounds, or cuts) or property damage if due care is not used.
★ Among items described in SAFETY PRECAUTIONS, [Gap related notes] (see p. 5) 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.	

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

Location of safety label



- Precautions requiring special attention by persons using the recliner are described on labels that are affixed to both sides of the upper part of the backrest, to the back side of the base frame, and to the base frame cover. Do not remove or deface them.
- If the safety label is removed or defaced, replace the part to which the label is affixed. Contact us (see “Contact Information” on p. 46) or your distributor for any queries.

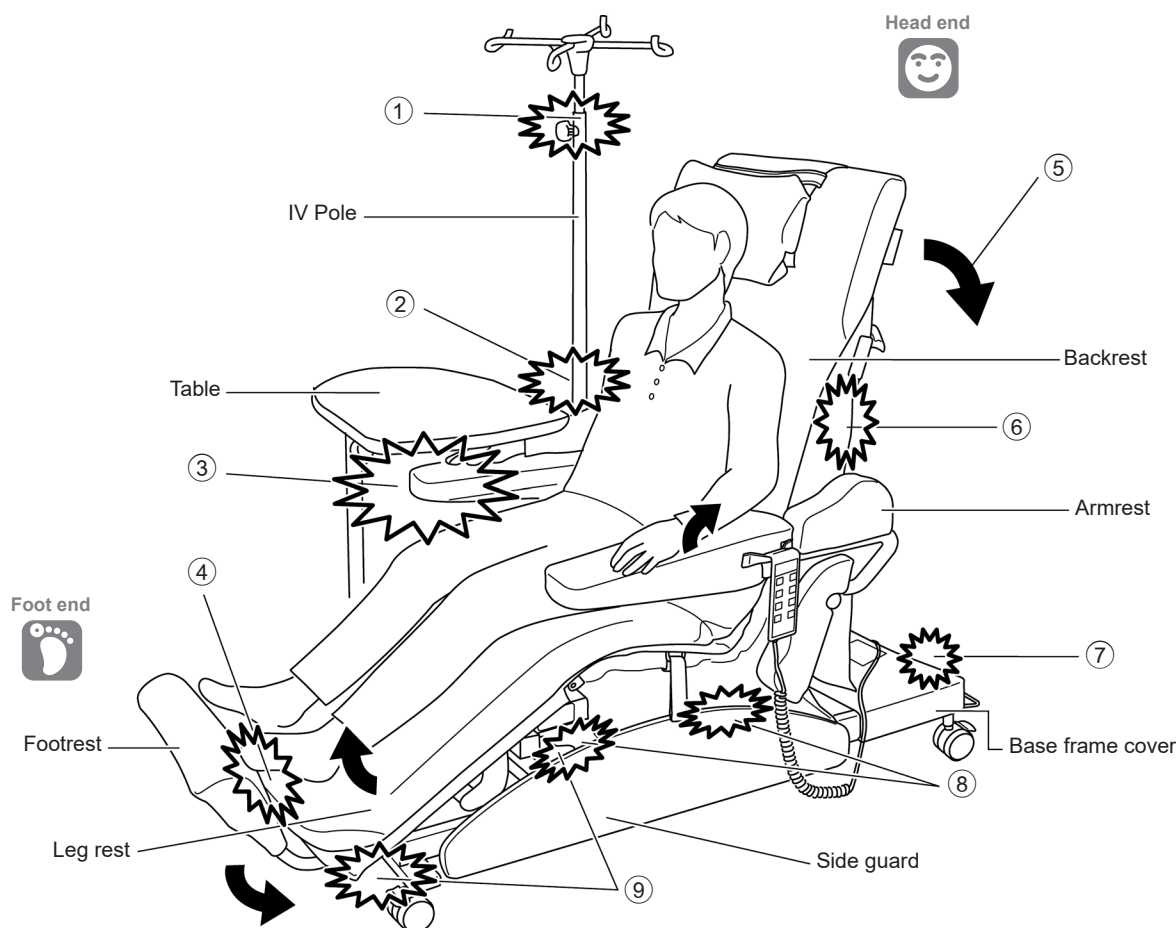


### 3 SAFETY PRECAUTIONS

#### WARNING

■ **Be careful not to allow any part of the body (especially the head or neck) to slip into the gaps between the moving parts shown below.**

- If the patient's head or neck gets stuck in a gap, he or she may have trouble removing it, which could lead to injury.



- ① Gap between backrest and IV Pole when raising or lowering the backrest.
- ② Gap between backrest and table when raising the backrest.
- ③ Gap from the table when raising the leg rest (or during the motorizing emergency back-lowering operation), and between the table support pole and seat face or leg rest.
- ④ Gap between footrest and leg rest.
- ⑤ Gap between backrest and wall or other object.
  - \* When lowering the backrest.
  - \* When lowering the height with the backrest lowered. (3 motor type only)
- ⑥ Gap between backrest and armrest.
  - \* When flipping the armrest up.
- ⑦ Gap between armrest and base frame cover.
  - \* When lowering the backrest while armrest is in the raised position.
- ⑧ Gaps between lower part of seat face and side guard, and between side guard and leg rest.
  - \* When lowering the height. (3 motor type only)
- ⑨ Gaps between leg rest and side guard (3 motor type only), and between footrest and the floor.
  - \* When lowering the leg rest.
  - \* When lowering the height with the leg rest lowered. (3 motor type only)



## ! WARNING

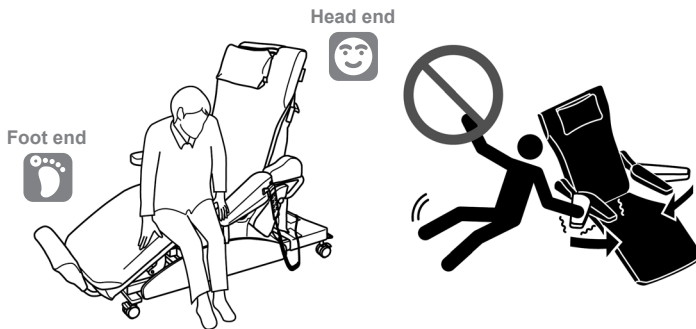
### ■ Be careful not to slide off the recliner onto the floor due to fainting because of anemia or a similar condition.

- The patient's head or neck could get caught in the armrest, table, or IV Pole, or the patient could fall off the recliner, resulting in injury.

### ■ For additional accessories directly attached to the recliner such as the table, IV Pole attachment hole, or casters, use only products approved by Paramount Bed.

- The use of products other than the specified suitable products or products from other companies could create unintended gaps, cause interference between products, or lower stability, resulting in injury or failure of the recliner.

### ■ Lower the recliner to the lowest height (3 motor type only), raise the backrest, and then get on or off the recliner from its side with the armrests either open or flipped up.



- If the patient gets on or off from the leg rest side, he/she may lose balance and topple over, or may fall off the recliner and get hurt.
- If the patient gets on or off the recliner from the back side with the backrest lowered, or if the patient gets on or off when the recliner is at a high position, he/she may topple over or fall off the recliner and get hurt. These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged or deformed.
- If the patient gets on or off with the armrests closed, the armrests could unexpectedly move, and the patient's body may lose its balance, causing him/her to topple over or fall off and get hurt.

### ■ Unless required (when getting on or off the recliner, or taking corrective action), do not flip up or open the armrests.



- After operating the armrests, lower the flipped-up armrests, and close the open armrests.
- The armrests may operate unexpectedly, causing the patient to topple over or fall off and get hurt.
- The armrests may unexpectedly fall, resulting in injury or damage to the armrests.
- There is a risk of bumping or getting caught in the recliner, resulting in injury.

### ■ Do not rest hands on the table when getting on or off the recliner, and also do not get on or off from the table mounting side.



- The table could unexpectedly rotate, resulting in injury due to falling off.
- The legs could get caught in the table and falling off the recliner or falling down, resulting in injury.

### 3 SAFETY PRECAUTIONS

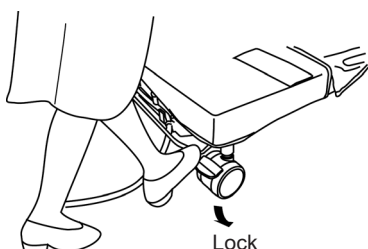
#### WARNING

- **Do not sit on the armrest, lean against it, or use it as support when getting up.**



- If a person places body weight on the armrest, the person could fall off or topple over the recliner, resulting in injury or the armrest could be damaged.
- The armrests may operate unexpectedly, causing the patient to topple over or fall off and get hurt.

- **Lock all four casters at all times except when moving the recliner.**



- The recliner could move when a patient gets into or out of the recliner, possibly causing injury.

- **Take care not to fall off the recliner.**

- Otherwise, the patient may get injured.
- Be particularly cautious when using the recliner in the horizontal state (as a bed).

- **Do not lean over to the recliner.**



- There is a risk of injury due to the recliner falling over, or damage to the recliner.

- **Do not rest hands on the back side of the armrest.**

- The armrest may flip up, causing the patient to topple over or fall off and get hurt.

- **Do not use the table as a support, or hold on to the table.**

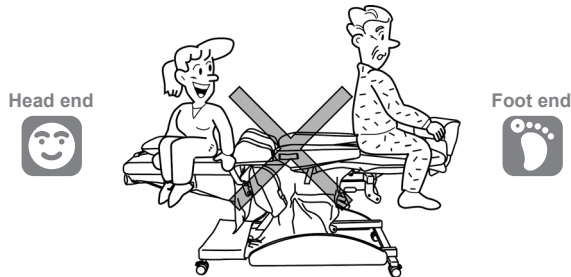


- The table could unexpectedly rotate, resulting in injury due to falling off, or the table could be damaged or deformed.



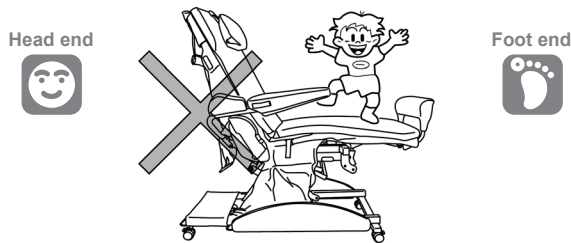
## ! WARNING

### ■ When the backrest or leg rest are in the horizontal position, do not rest hands on or sit on their ends.



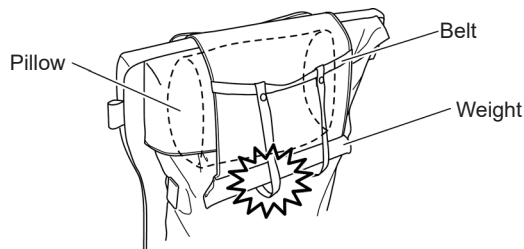
- Otherwise, the patient could fall off or falling down, resulting in injury.
- These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged.

### ■ Do not stand on the recliner.



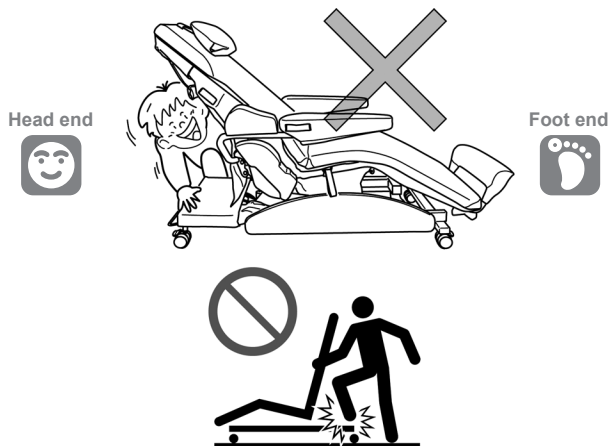
- There is a risk of injury caused by falling off the recliner or falling down.
- These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged.

### ■ Do not swing from, lean on, or hang items on the pillow, belt, or weight.



- The instability may cause the patient to fall down.
- There is a risk of damage to the pillow.

### ■ When operating the recliner, take note of surrounding people or objects, as well as the lines connected to the patient.



- Crawling under the recliner, or putting the head, hands, or legs under it could cause them to get caught in the gaps between the moving parts of the recliner (such as the base frame and backrest, etc.), resulting in injury.
- Sitting on the recliner with legs hanging on the side guard, base frame, or the base frame cover could cause them to get caught, resulting in injury.
- Lines could be pulled or pinched by the recliner, causing injury to the user or the lines or devices could be damaged.
- The recliner operations may damage surrounding objects, or may cause the recliner to be damaged or deformed.

### 3 SAFETY PRECAUTIONS

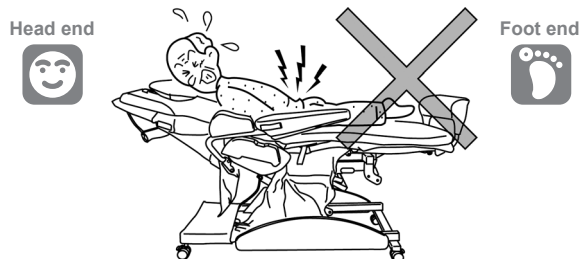
#### WARNING

■ **Do not operate the backrest while the armrest is in the raised position.**



- The armrest could unexpectedly fall over and hands or arms may get caught, resulting in injury.

■ **Do not perform any angle adjustment when the user 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.

■ **Do not allow the recliner to be operated by a person deemed incapable of understanding mattress operation (a child aged 12 or under or a person with dementia).**

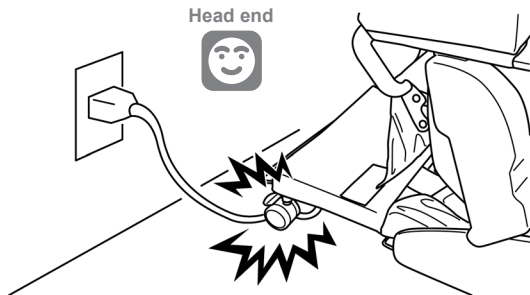
- If a person deemed incapable of understanding the operation operates the handheld controller by oneself, there is a risk of unexpected injury such as the body getting caught in the recliner by mistake. When someone runs the risk of operating the handheld controller alone, you can use one of the following procedures to limit operation and decrease the chance of injury.
  - Disable the operations by the operation disabling settings (see p. 26).
  - Disconnect the power plug.
- Note that pressing the reset switch enables all operation buttons even when operation has been disabled using the handheld controller operation disabling switch. There is a risk of injury due to unexpected movement of the recliner (see p. 28).

■ **When performing manual emergency back-lowering, use one hand to operate the emergency back-lowering lever, and use the other hand to support the backrest.**

- Depending on the weight of the patient sitting in the recliner, and on the angle of the backrest, the backrest may drop suddenly and there is a risk of injury.
- \* Depending on the patient's weight or the angle of the backrest, pulling the lever may not be enough to get the backrest to lower. In this case, use the other hand to push down on the backrest.

## **WARNING**

### ■ Do not damage cables (such as the power cable).



- Damage to the cables may cause electric shock or fire.
  - Be careful not to allow cables to get caught in the movable parts of the recliner.
  - Be careful not to place heavy objects on cables or apply excessive force to them.
  - Do not run over cables with the recliner.
- Request repair (or replacement) of damaged cables.

### ■ Do not trip over the power cable or handheld controller cable.

- Damage to the power plug or cables may cause electric shock or fire.
- There is a risk of injury caused by falling over.

### ■ Do not run cables (such as the power cable) of the recliner or other electrical appliances under the recliner.

- The cables may get caught in casters or movable parts and be damaged, resulting in electric shock or fire.

### ■ Disconnect the power plug when using electronic medical equipment.

- Using the recliner in conjunction with electronic medical equipment (e.g. microwave or ultrashortwave medical equipment) could cause operational failure or malfunction.
- Check for safety before using the recliner in conjunction with other medical equipment.

### ■ Always unplug the power plug before cleaning.

- There is a risk of injury if the recliner unexpectedly moves due to accidental operation.

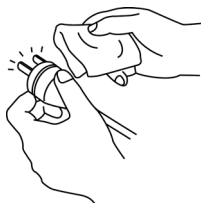
### ■ When disconnecting the power plug, hold the power plug body.

- If only the power cable is held when pulling to disconnect the plug from the outlet, the cable may be damaged and an electric shock or fire may occur.

### ■ Do not apply excessive force to the power plug.

- Damage to the power plug may cause electric shock or fire.

### ■ Do not allow dust to accumulate on the power plug.

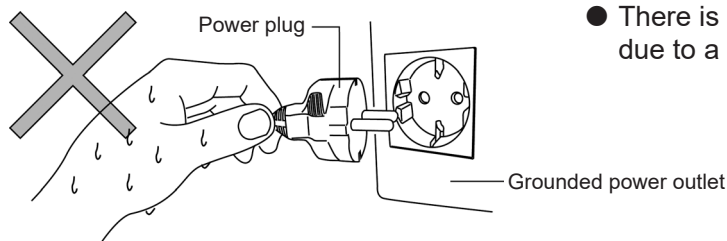


- Dust on the power plug can absorb moisture and conduct electricity, causing a short circuit and possibly resulting in electric shock or fire.
- Wipe off any dust accumulating on the surfaces of the power plug using a dry cloth.

### 3 SAFETY PRECAUTIONS

#### WARNING

##### ■ Do not insert or remove the power plug with wet hands.



\* This illustration uses the KA-8251GF and the KA-8261GF models for explanation.

- There is a risk of electric shock or product failure due to a short circuit.

##### ■ Do not spill liquids on the product.

- Do not spill liquids on the recliner's electrical parts, such as the motors or handheld controller. This could cause an electric shock due to a short circuit or product failure. If liquid is accidentally spilled on the product, remove the power plug from the power outlet and then contact us (see "Contact Information" on p. 46) or your distributor.

##### ■ Disconnect the power plug when moving the recliner.

- Damage to the power plug or cables may cause electric shock or fire.

##### ■ Do not move the recliner with a person sitting in it.



- There is a risk of injury caused by the person falling off the recliner when moving the recliner.

##### ■ When moving the recliner with the IV Pole attachment hole mounted, watch your step.

- Your leg may bump into the IV Pole attachment hole or your foot may get caught, resulting in injury.

##### ■ Inspect the recliner regularly.

- The product will exhibit wear and deterioration depending on the frequency of use and the environment. Regularly inspect for the operation of moving parts, and the presence of damage (see p. 34). The use of a recliner in worn/deteriorated condition may result in unexpected injury.

##### ■ Do not attempt to repair or modify the product yourself.

- This may create unintended gaps or may cause abnormal operation, possibly causing injury.

##### ■ Request inspection and repair of damaged recliners.

- If recliners are damaged in earthquakes, fires, or floods or other incidents, direct requests for assistance with inspection or repair to the address or telephone number listed on p. 46 or your distributor. Otherwise, there is a risk of electric shock or fire due to short circuit or current leakage from electrical parts, or injury due to malfunctioning caused by deformation of the recliner.

##### ■ Do not apply more than the safe working load on the recliner

- The recliner could be damaged, possibly causing injury. The safe working load of this recliner is 1600 N (163 kgf). The safe working load is the maximum load with which the recliner can be operated safely and is the total load of the user's weight and incidental items including accessories.

## ! WARNING

### ■ The recliner should not be used by two or more persons.



- This recliner is designed for use by one person. When used by two or more persons, the recliner could be damaged, possibly causing injury. The maximum user weight allowed on the recliner is 138 kg.

### ■ Use the recliner according to the patient's medical condition.

- The recliner operations may adversely affect the medical conditions of patients with specific symptoms. Before the patient operates the recliner, make sure that the physicians or nurses explain details given in the instruction manual and proper usage to suit the patient's medical condition.

### ■ Keep away from heat or fire.



- Do not use thermal appliances such as heaters near the recliner. Doing so could cause deterioration, deformation, and fire.

### ■ Use care when handling the gas spring.

- Gas spring is used for the footrest. If you attempt to disassemble or incinerate the gas spring, the gas spring could explode and gas could spray out, possibly causing injury.

## ⊘ PROHIBITED

### ■ Do not use the recliner for infants or children.



- This product is not designed for infants or small children. The patient could get caught in the gap between the armrest and other parts, or could fall off the recliner, resulting in injury.

### ■ Do not use the recliner in an environment where combustible anesthetic gases and high-concentration oxygen may be present.

- There is a risk of explosion or fire.

### 3 SAFETY PRECAUTIONS

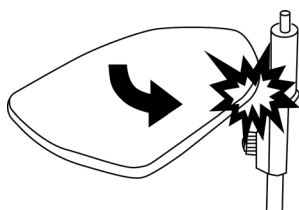
#### CAUTION

- When raising or lowering the armrest, proceed slowly with hands in contact with the front end of the armrest until operation is completed.



- Releasing the hands too soon could cause the armrest to drop suddenly, and hands or fingers may get caught, resulting in injury.
- If the armrest is operated forcefully, the handheld controller hooked on the belt for storing the handheld controller could fall, resulting in damage to or deformation of the handheld controller.
- If the back of the armrest is held and lowered, there is a risk that hands or arms could get caught, possibly causing injury.

- Be careful of the gap that appears when using the recliner together with the table and TV arm holder.



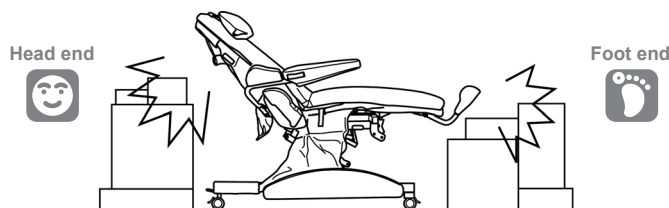
- Not doing so could cause your hand or fingers to be caught and injured.
- \* The table top panel rotates.

- Do not place any objects on the base frame cover.



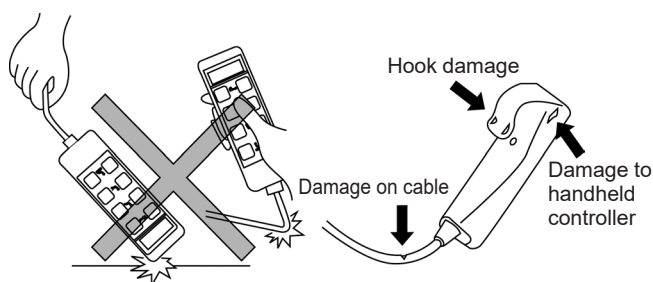
- The recliner operations may damage objects, or may cause the recliner to be damaged or deformed.

- Check around the recliner before moving the recliner.



- If the recliner hits surrounding objects, the objects or the recliner may be damaged.

- Take care when handling electrical parts such as the handheld controller.



- If care is not taken it could cause the recliner to malfunction, resulting in injury or recliner failure. In addition, there is a risk of electric shock or fire due to a short circuit.
  - Do not bump or damage the handheld controller.
  - Do not drop the handheld controller or forcefully pull the cable.
- Request repair (or replacement) of electrical parts such as the handheld controller if they are damaged.

## CAUTION

### ■ Before moving the recliner, lower the armrests.

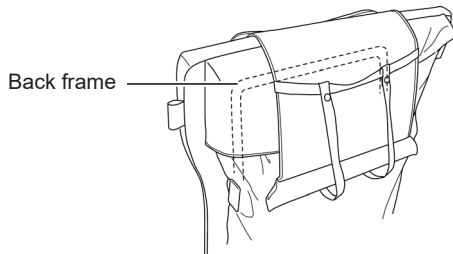
- If the recliner is moved with armrests in the raised position, the armrests could unexpectedly fall over and hands or arms may get caught, resulting in injury.

### ■ When moving the recliner always set the recliner to the minimum height (3 motor type only).



- If the recliner height has been raised for movement, the gap between the recliner and floor becomes smaller, and there is a risk of damage to the floor or recliner.

### ■ To move the recliner, hold the back frame on the inside of the backrest.



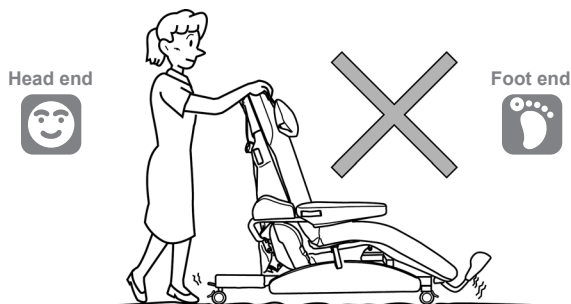
- Holding any part other than the back frame (especially the armrest) to move the recliner may cause the recliner to be damaged or deformed.

### ■ Do not move the recliner with any objects placed on it.



- The objects may fall, resulting in injury, or could be damaged.

### ■ Avoid transporting the recliner over uneven floors.



- Doing so could cause damage, deformation, or malfunctioning of the recliner. If moving on uneven floor is necessary, move the recliner as slow as possible.

### ■ Use casters (KC-825C: sold separately) for moving the recliner long distances, or across sloping floor surfaces.

- The standard casters are made for the purpose of assisting recliner movement for relocation within a room or for cleaning. There is a risk of damage to the floor or the recliner by moving the recliner a long distance, or across a sloping floor surface.



### 3 SAFETY PRECAUTIONS

#### CAUTION

- **Do not get on or place legs on the side guard, base frame, or base frame cover.**



- Doing so could damage the side guard, base frame, and base frame cover.

- **Be careful about color transfer onto leather.**

- If the recliner comes into contact for an extended period of time with newspapers, printed matter, or plastic products that use colorant, there is a risk of discoloration, color transfer or deterioration of the product.
- Note that color transferred on to leather cannot be removed.

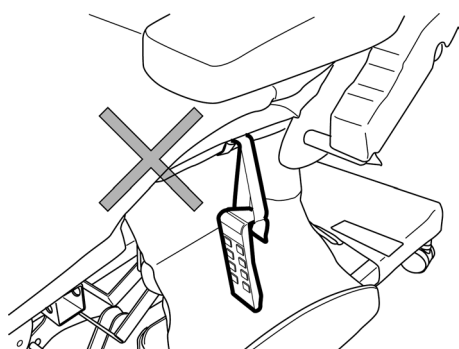
- **Do not wash down the seat.**

- It could cause deterioration of the seat.
- When performing seat maintenance, see “9 REGULAR INSPECTION AND DAILY MAINTENANCE” on p. 34.

- **Do not open the seat or armrest, or the footrest.**

- It could cause deterioration of the urethane.

- **Do not hang objects on the footrest position adjustment belt.**



- The footrest could operate unexpectedly, resulting in injury or damage to the adjustment belt.

## CAUTION

### ■ Do not apply spray-type insecticide directly on the recliner.

- There is a risk that the solvents contained in insecticide may damage, discolor, or dissolve casters or other resin parts of the recliner. Damaged or dissolved parts could cause accidental injury.

### ■ Do not hold the belt for storing the handheld controller to operate the armrest.

- The belt for storing the handheld controller may get damaged.

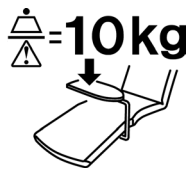
### ■ Do not hang objects other than the handheld controller on the belt for storing the handheld controller.

- The belt for storing the handheld controller may get damaged.

### ■ When adjusting the pillow height, do not forcefully pull the pillow.

- The belt could be damaged, resulting in the pillow to come off. In addition, the weight could hit your hands or other body parts, resulting in injury.

### ■ Do not place objects exceeding 10 kg on the table.



- This may cause damage and deformation of the table.

### ■ When not using the recliner, position the table so that it does not protrude outside of the recliner area.

- There is a risk of bumping or getting caught in the recliner, resulting in injury.

## 4 INSTALLATION

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

- Locations exposed to direct sunlight
- Locations near heat sources such as a stove or heater
- High-oxygen environment
- Locations 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

Note: The optimum ambient conditions for the bed are as follows.

Temperature 14°F and 104°F (10°C and 40°C) / Humidity 30% RH to 75% RH / Air pressure 800 hPa to 1060 hPa.

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



### CAUTION

- **Place the recliner in a location where the recliner does not hit the wall or beam when you perform backrest-raising/lowering operation, leg rest raising/lowering operation or height adjustment (3 Motor Type only) operation with the backrest raised. The recliner or wall/beam may be damaged or deformed.**

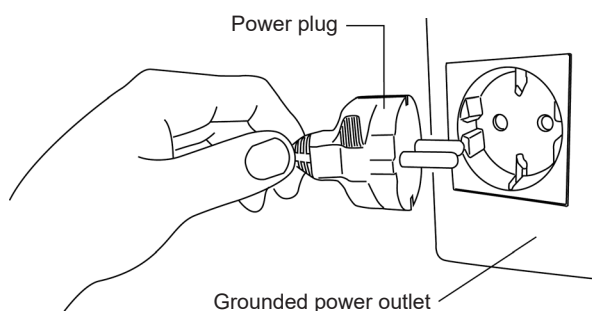
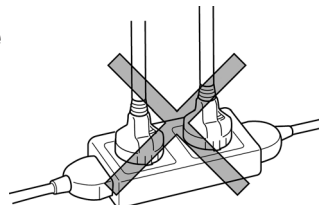
## 5 CONNECTING TO THE POWER SUPPLY

### ■ Outlet



#### WARNING

- Do not plug the power cord into a multiple-socket outlet. Plugging the power cord into a multiple-socket outlet or power strip shared by other electrical equipment could cause the outlet to exceed its rated capacity, causing the power cable or plug to overheat, resulting in fire.
- Do not plug the power cord into an outlet shared by other ME devices. There is a risk of fire caused by heating up of the power cable or power plug.
- Make sure to plug the power cord into an outlet equipped with a circuit protector.
- There is a risk of electric shock.



\* This illustration uses the KA-8251GF and the KA-8261GF models for explanation.

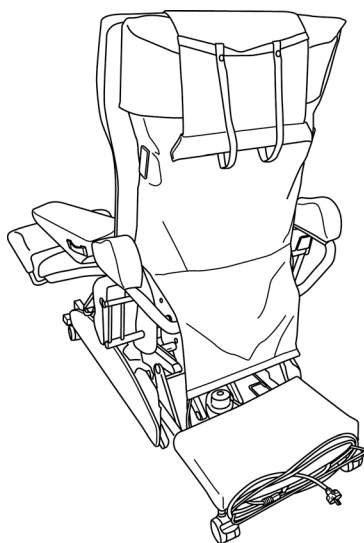
- Each recliner should be plugged into a separate, appropriately wired, single-phase grounded power outlet of 230 VAC, 10 A or greater and the power plug must be properly inserted into the outlet.

- Disconnecting the power plug from the outlet can separate the recliner from the power.

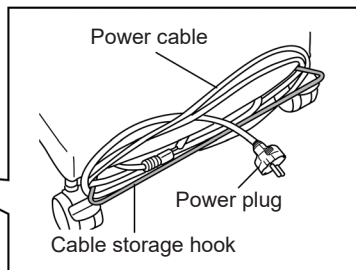


- Do not place recliner or other devices in locations that hinder access to the power plug. Doing so prevents the power plug being disconnected immediately when necessary.

### ■ Using the cable storage hook



\* This illustration is for the 3-motor type.



- Wind the power cable onto the cable storage hook when moving or storing the recliner.

## 6 USING THE RECLINER

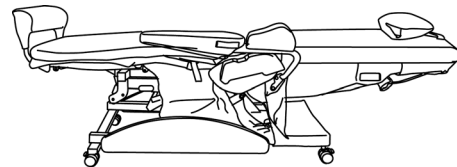
### 1. Armrest

- In the chair position, the armrest is used to rest elbows and upper limbs. Opening the armrest on the outer side enables puncturing and blood sample collection to be performed in a comfortable position.
- The patient can open the armrest to the outside or flip it up when getting on or off the recliner.
- The armrest moves together with the backrest, and when the backrest goes horizontal the armrest also goes down.

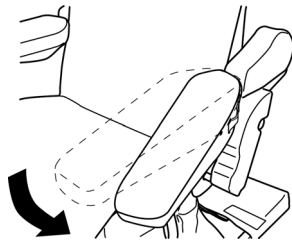
\* Chair position



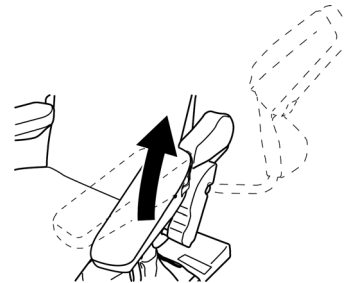
\* Flat position



- Opening and closing the armrest

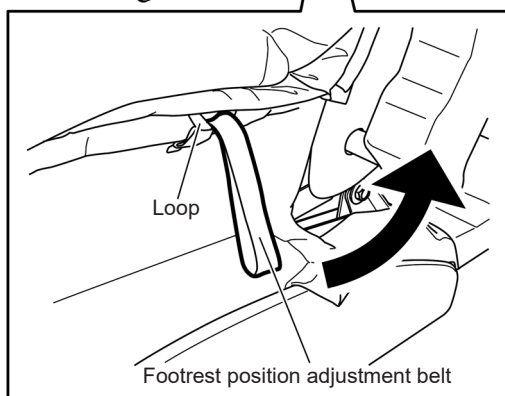
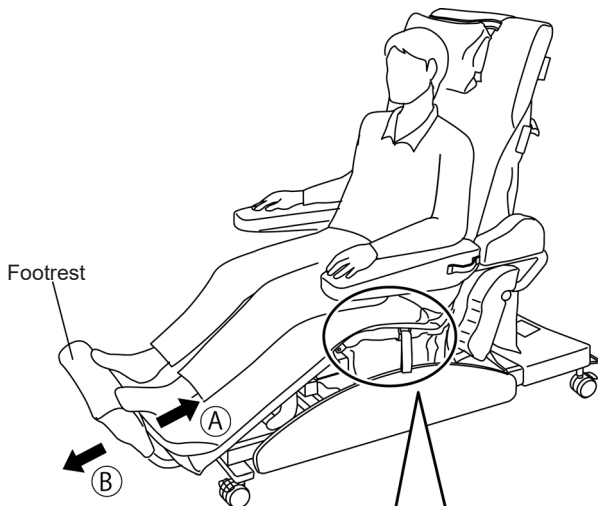


- Flipping the armrest up



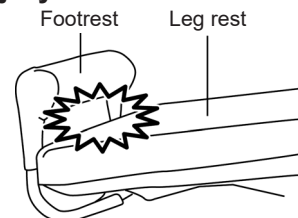
### 2. Adjusting the footrest position

- The footrest position can be adjusted to correct shifts in body position or to relieve pressure on the back of the femoral region.



### ! WARNING

- Be careful not to allow the foot to enter the gap between the footrest and the leg rest. When the foot enters the gap, the patient might not be able to withdraw, and there is a risk of injury.

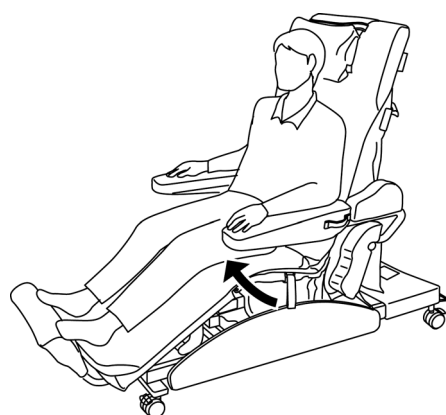
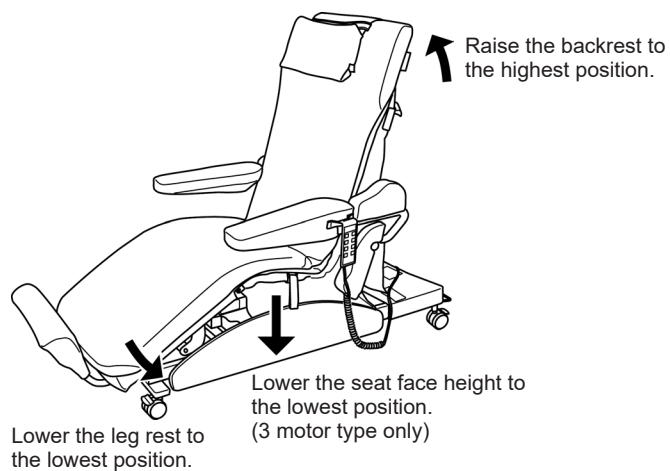


- To move in direction (A), lift the footrest position adjustment belt (hereafter, "the belt"). The footrest moves automatically.
- To move in direction (B), lift the belt while the patient pushes with his or her feet on the footrest, then release the belt when the desired position is achieved.

\* The footrest is fixed in the position where the belt was released.

### 3. Getting on or off the recliner

#### ■ How to get on or off the recliner



① Before getting on or off, move the recliner as shown in the figure on the left. p. 23

- ② Open the front end of the armrest to the outside, and get on or off the recliner from its side.
- \* If you are using the table, get on or off from the side where the table is not attached.
  - \* If you need a broader base, or if you wish to move the wheelchair, etc. closer to the recliner, open the armrest and then flip it upward.

## CAUTION

- When raising or lowering the armrest, proceed slowly with hands in contact with the front end of the armrest until operation is completed. Releasing the hands too soon could cause the armrest to drop suddenly, and hands or fingers may get caught, resulting in injury. If the armrest is operated forcefully, the handheld controller hooked on the belt for storing the handheld controller could fall, resulting in damage to or deformation of the handheld controller.
- If the back of the armrest is held and lowered, there is a risk that hands or arms could get caught, possibly causing injury.

③ Close the open armrest.

- \* If you have flipped up the armrests, lower the armrests, and then close the open armrests.

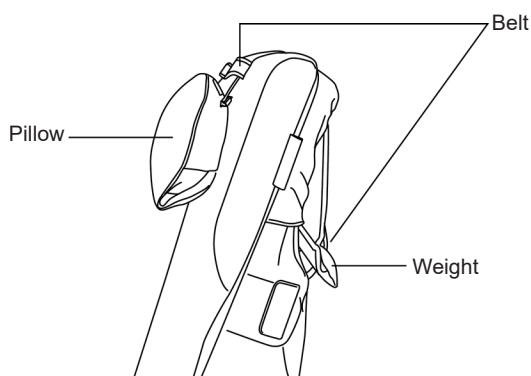
## WARNING

- Lower the flipped-up armrests, and close the open armrests. The armrests may operate unexpectedly, resulting in injury.

## 6 USING THE RECLINER

### 4. Adjusting the pillow position

- The pillow position can be adjusted by moving it up or down according to the physique of the user.



- To make it easier for the patient to adjust the position of the pillow with one hand, a free-stop pillow with a weight for balancing is used, and the pillow is attached by a belt carrying the weight that is wrapped around the front and back of the backrest.



#### WARNING

- Do not swing from, lean on, or hang items on the pillow, belt, or weight. The instability may cause the patient to fall down. There is a risk of damage to the pillow.

### 5. Operating the handheld controller

Name and function of each of the parts of the handheld controller

- The angle of the backrest and leg rest and the recliner height (3 motor type only) can be adjusted with no increments using the handheld controller operation.

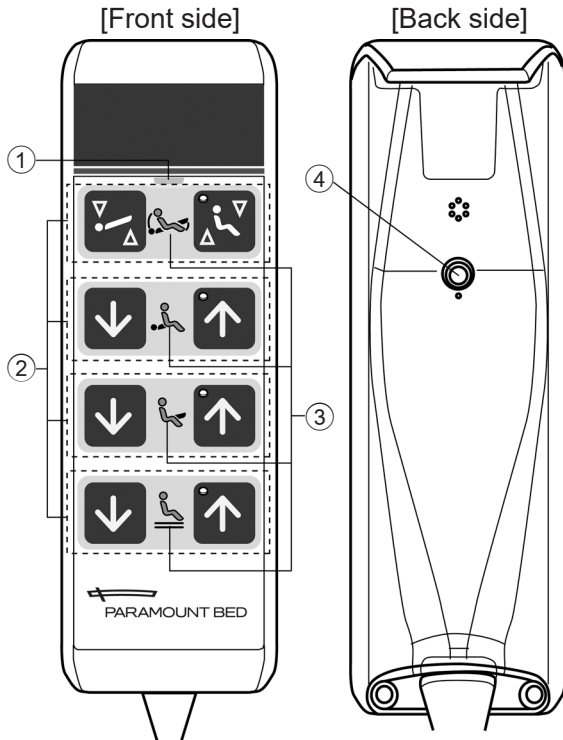


#### WARNING

- Do not allow the recliner to be operated by a person deemed incapable of understanding recliner operation (a child aged 12 or under or a person with dementia). If a person deemed incapable of understanding the operation operates the handheld controller by oneself, there is a risk of unexpected injury such as the body getting caught in the recliner by mistake. If such a person can come into contact with the handheld controller, limit the operation by either of the following methods in order to prevent accidents caused by incorrect operation.
  - Disable the operations by the operation disabling settings. (For the setting method, see p. 26.)
  - Unplug the power plug.
- Note that pressing the reset switch enables all operation buttons even when operation has been disabled using the handheld controller. There is a risk of injury due to unexpected movement of the recliner (see p. 28).



## Operation buttons and indicator lamps



\* This illustration uses the 3-motor type handheld controller for explanation

### ① Power lamp

Lights when power is being supplied to the recliner.

ON (Green): Normal power ON status.

OFF: The power plug or handheld controller plug is disconnected, or there is a power failure or disconnection.

Flashing (Red):

Indicates a problem such as a broken wire or interference with an obstacle. Refer to "10 TROUBLESHOOTING" (p. 36 to 38) to find the correct way to handle the situation.

### ② Operation buttons

Pressing the operation button moves the recliner, and releasing the operation button stops it at the corresponding position. Pressing two or more buttons at the same time also stops the operation.

#### \* Identification embossing

The operation button for raising has a round embossing so that it can be identified through touch.

### ③ Operation selection lamp

Indicates ENABLED (operation enabled)/LOCK (operation is disabled) of the operation buttons.

ON (White): Ready for operation.

OFF: The power is OFF. It is also possible that operation could be disabled. (When operation is disabled, only the lights for disabled parts are turned OFF.)



● Lights are turned OFF when operation is not being performed for a certain period of time. The lamp lights up automatically when there is a swinging motion, such as when the handheld controller is held in hand.

● At the lowest height, the height operation selection lamp continues to light up in orange.

### ④ Set button (⚙ icon)

If you press the Set button, you can change the various settings with the operation buttons. For details on the settings, see p. 25.

## Display panel

\* The displayed numbers (angle and height) on the handheld controller should be used as approximations only.



### ⑤ Angle/Height display/Error code

Displays the angle of the backrest and leg rest during motion, or the height of the seat face.

\* When an error occurs, an error code is displayed (see p. 36 and 37).

Backrest angle display... from -12° to 74°, displayed every 2°, and stops at 75°.

Leg rest angle display... from -30° to 12°, displayed every 2°.

Height display... 46 cm is displayed after 45 cm. Thereafter, the height is displayed every 2 cm up to 76 cm.

\* When installing the optional caster (KC-825C), the height of the seat face becomes 5.1 cm higher than it is displayed.

### ⑥ Disabled operation display

Flashes when the pressed operation button is set to the locked (operation disabled) state.

### ⑦ Handheld controller replacement notification display

Lights up when it is time to replace the handheld controller.

\* Lights up only in the setting mode.

## 6 USING THE RECLINER

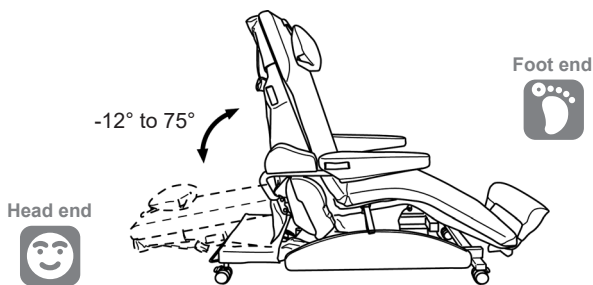
### Operation buttons and their actions

■ Pressing the operation button moves the recliner while the button is held down, and releasing the operation button stops it at the corresponding position. Pressing two or more buttons at the same time also stops the operation.



- If you stop the operation by pressing two or more buttons, remove your hands from all buttons and then perform the operation again.

### Backrest-raising / lowering



Backrest lowering button

Backrest raising button



- The backrest section base can be adjusted from an angle of  $-12^{\circ}$  to  $75^{\circ}$ .
- When lowering the backrest, the backrest stops temporarily at the  $0^{\circ}$  position. When the backrest lowering button is pressed again after releasing, the backrest moves up to  $-12^{\circ}$ .

### Leg rest-raising / lowering



Leg rest lowering button

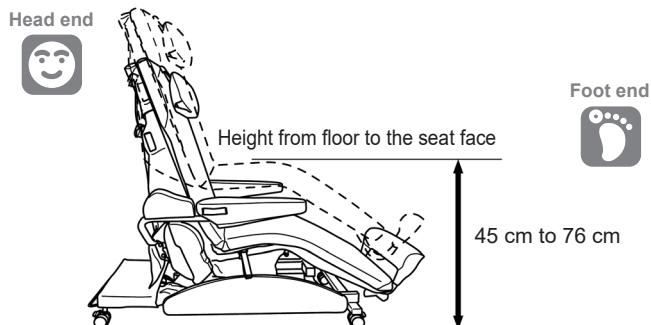
Leg rest raising button



- The leg rest can be adjusted from an angle of  $-30^{\circ}$  to  $12^{\circ}$ .

### Raising/Lowering

(3 motor type only)



Lowering button

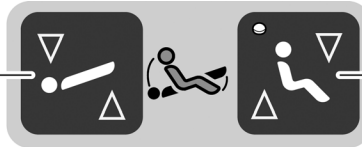
Raising button



- The height from the floor to the seat face of the recliner can be adjusted. The seat face height can be adjusted in a range between 45 cm and 76 cm.
- This operation can be performed using the foot control switch.

## Raising the backrest and leg rest/Lowering the backrest and leg rest (AUTO CONTOUR OPERATION)

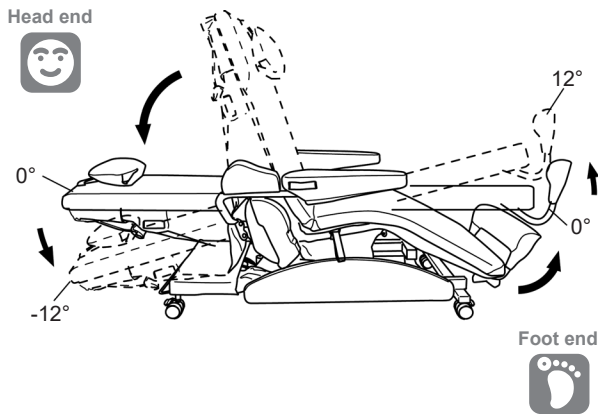
DOWN button for backrest and leg rest  
(AUTO CONTOUR OPERATION)  
(Flat/Trendelenburg)



UP button for backrest and leg rest  
(AUTO CONTOUR OPERATION)  
(Recliner)

### ■ Lowering the backrest and leg rest (AUTO CONTOUR OPERATION) (Flat/Trendelenburg) \*

#### Motorizing emergency back-lowering operation

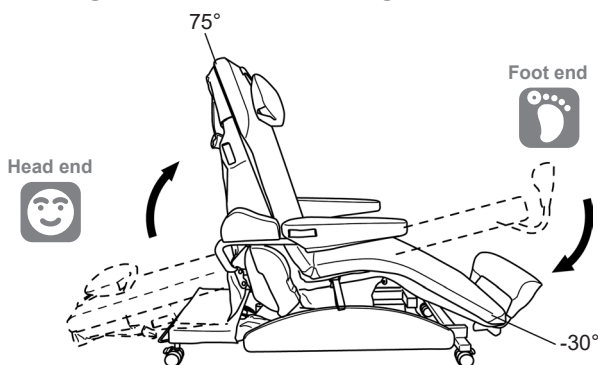


- The angle of the backrest and leg rest can be moved at the same time to set the flat/Trendelenburg position.
- The leg rest moves higher at the same time when the backrest is lowered. When the DOWN button (AUTO CONTOUR OPERATION) is held down, the recliner stops temporarily at the flat position (backrest approx. 0°, leg rest approx. 0°). When the DOWN button (AUTO CONTOUR OPERATION) is pressed and held down again, the recliner moves to the Trendelenburg position (backrest -12°, leg rest 12°).
- This operation can be performed using the foot control switch.
- Armrest moves together with the backrest.



- When the recliner is moved to the flat/Trendelenburg position with the DOWN button (AUTO CONTOUR OPERATION), the operation is performed at an operation speed faster than "Fast". (Motorized emergency back-lowering function)

### ■ Raising the backrest and leg rest (AUTO CONTOUR OPERATION) (Recliner)



- The angle of the backrest and leg rest can be moved at the same time to set the chair position.
- The leg rest moves lower at the same time when the backrest is raised. The UP button (AUTO CONTOUR OPERATION) can be held down to move the backrest to 75° and the leg rest to -30°.
- This operation can be performed using the foot control switch.

### \* Angle limit function

- The angle between the backrest and leg rest is kept at 105° or more (when the backrest angle is 30° or more, or when the leg rest angle is 0° or more).
  - **Raising backrest**  
When the backrest starts rising, the leg rest starts lowering simultaneously. The leg rest stops when it becomes flat.
  - **Raising leg rest**  
When the leg rest starts rising, the backrest starts lowering simultaneously. The leg rest stops when it reaches its maximum angle (12°).



- For safety reasons, you cannot disable the angle limit function.
- Even when the backrest or leg rest operation buttons are disabled, the backrest or leg rest can be moved automatically by the angle limit function.

## 6 USING THE RECLINER

### Setting the recliner by the handheld controller

#### Switching to the setting mode



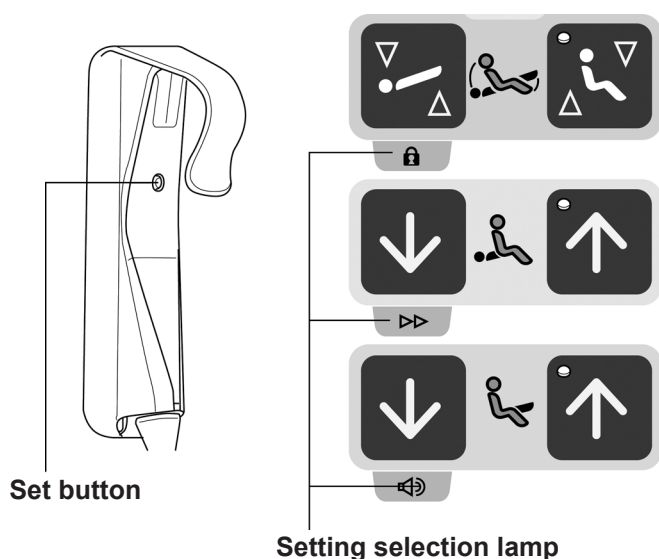
#### WARNING

- Note that if you do not press any button for 20 seconds after pressing the Set button once, all settings will return to their original setting. There is a risk of injury due to unexpected movement of the recliner.



#### CAUTION

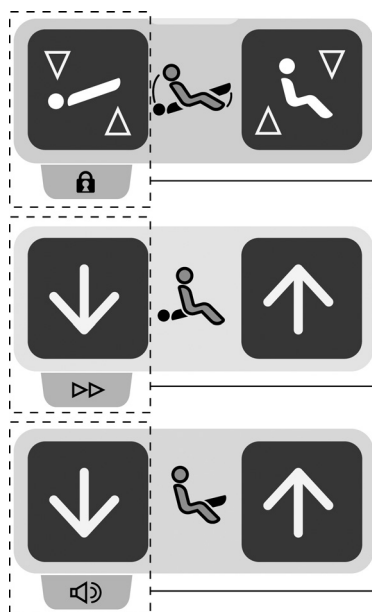
- Do not use any sharp object to press the Set button. Doing so could damage the recliner.



- If you press the Set button at the back of the handheld controller, the setting selection lamp in the front will light up, and you can change the various settings with the operation buttons. Once the settings have been changed, press the Set button again to confirm the setting. If you do not press the Set button, the changed setting will not be set.

#### Function selection switch

- If you press the Set button at the back of the handheld controller, you can change various settings with the operation buttons (function selection switch).



**Operation disabled setting button** p. 26  
You can disable the operation buttons on the handheld controller.

**Speed selection button** p. 27  
You can switch the operation speed of the backrest and leg rest between "Normal/Fast".

**Operation sound setting button** p. 27  
You can set the operation sound during the operation of the handheld controller to "ON/OFF".

## Setting the operation button lock (operation is disabled)

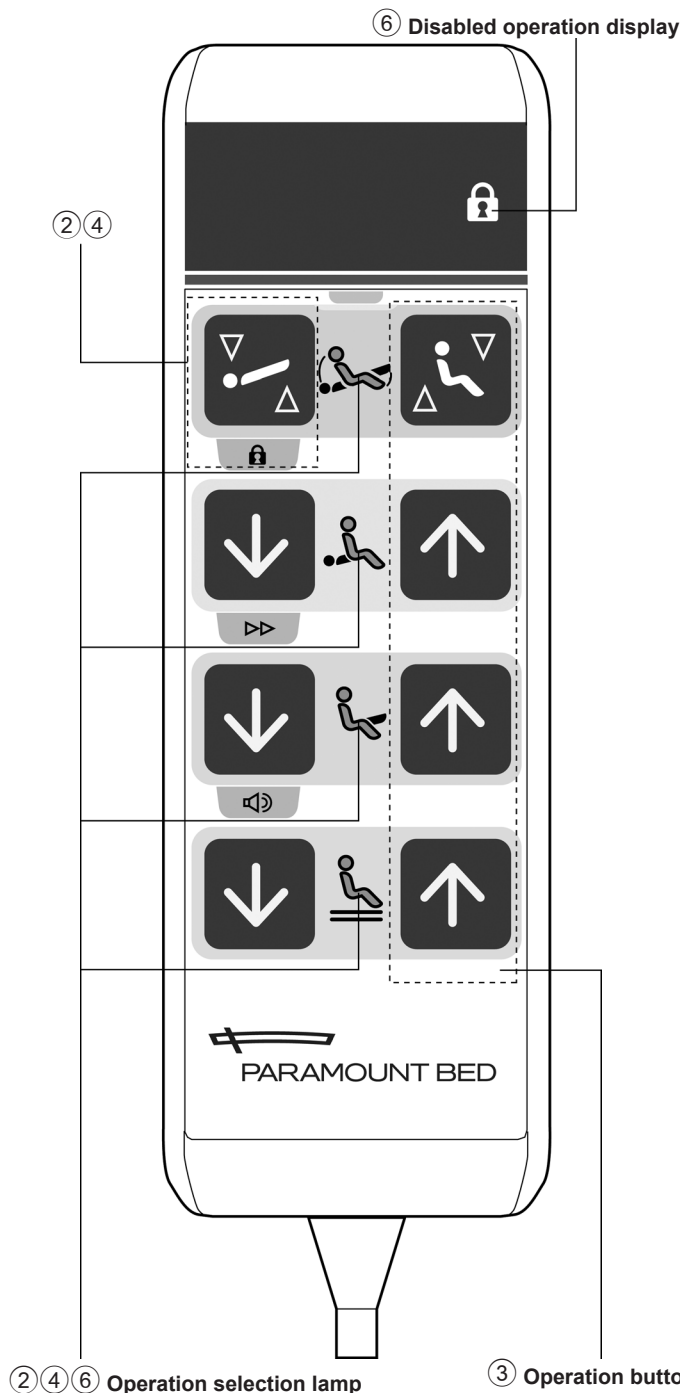
■ You can disable or enable the operation of each of the operation buttons for auto contour operation, backrest, leg rest, and height.

\* By factory default, all operation is enabled.



### WARNING



- Even if the operation of the buttons for operating the backrest, leg rest, and height has been disabled, the backrest, leg rest, and height may be operated by the AUTO CONTOUR OPERATION button. There is a risk of injury due to unexpected movement of the recliner. If necessary, disable the operation of the AUTO CONTOUR OPERATION button as well.
- Once the settings have been changed, press the Set button again to confirm the setting.  
If you do not press the Set button, the changed setting will not be set.
- Note that even when the operation buttons have been locked (operation is disabled), pressing the reset switch returns all locked (disabled) operations to the default state (operation enabled state) (see p. 28).



① Switch to the setting mode by pressing the Set button at the back of the handheld controller (see p. 25).

② Press the DOWN button (AUTO CONTOUR OPERATION) once.

\* The operation selection lamp of a locked (operation is disabled) operation button is turned OFF, and the operation selection lamp of unlocked operation buttons flashes.


③ Press  or  once for the operation button for which the operation is to be disabled or the disabled setting is to be canceled.

④ Press the DOWN button (AUTO CONTOUR OPERATION) one more time.

\* The operation selection lamp turns OFF, completing the setting.

⑤ Confirm the setting by pressing the Set button at the back of the handheld controller (see p. 25).

⑥ Make sure the operation selection lamp of the operation buttons that have been locked (operation is disabled) has turned OFF.

\* If you press a disabled operation button,  is displayed on the display panel.

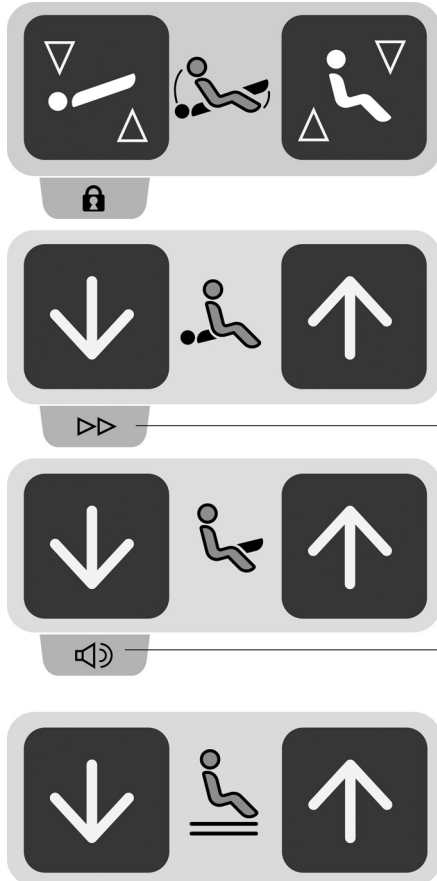
## 6 USING THE RECLINER

### Setting the operation sound



#### WARNING

- Once the settings have been changed, press the Set button again to confirm the setting. If you do not press the Set button, the changed setting will not be set.



\* This illustration uses the 3-motor type handheld controller for explanation.

#### Operation speed settings

- ① Switch to the setting mode by pressing the Set button at the back of the handheld controller (see p. 25).
- ② Press the backrest lowering button and switch the recliner operation speed between "Normal/Fast".
  - \* Fast speed operates at 1.5 times Normal motion speed.
  - ▶▶ Dark display: Normal
  - ▶▶ Bright display: Fast
  - \* By factory default, all operation speeds are set to Normal.
- ③ Confirm the setting by pressing the Set button at the back of the handheld controller (see p. 25).

#### Setting the operation sound

- ① Switch to the setting mode by pressing the Set button at the back of the handheld controller. (See p. 25).
- ② Press the leg rest lowering button to set the operation sound to "ON/OFF" when the operation buttons on the handheld controller are pressed.
  - \* ▶▶ Dark display: OFF
  - \* ▶▶ Bright display: ON
  - \* By factory default, the sound is turned ON.
- ③ Confirm the setting by pressing the Set button at the back of the handheld controller (see p. 25).

### Handheld controller replacement notification display



Wrench mark

- The wrench mark lights up on the display panel in the setting mode indicating that it is time to replace the handheld controller. Contact us (see "Contact Information" on p. 46) for any queries.



## Making the settings again

- All settings can be returned to the default state by simultaneously pressing any two operation buttons at the front of the handheld controller and the Set button at the back (see p. 25) for three seconds or more.
- The default state (nothing has been selected) of the handheld controller is as described below:
  - Handheld controller operation selection: All operations are enabled
  - Speed: Normal
  - Operation sound: ON



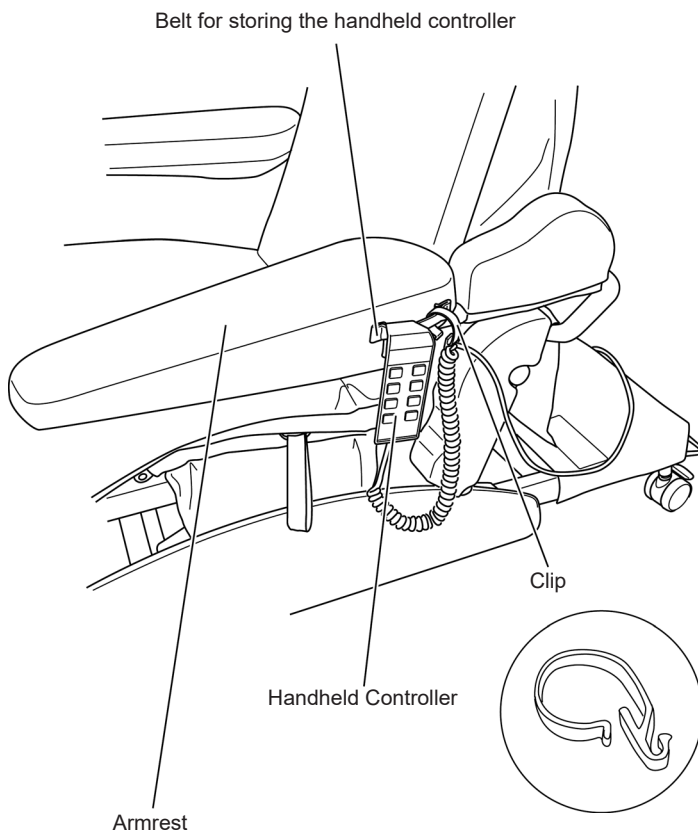
- **Settings are not canceled even after a power failure or if the power plug or handheld controller plug is unplugged.**

### Storing the handheld controller



#### CAUTION

- **Do not hold the belt for storing the handheld controller to operate the armrest. The belt for storing the handheld controller may get damaged.**
- **Do not hang objects other than the handheld controller on the belt for storing the handheld controller. The belt for storing the handheld controller may get damaged.**



- The belts for storing the handheld controller are located on the left and right sides of the recliner. Use the belt on the side that is most convenient.
- A clip holds the handheld controller cable in place in the belt for storing the handheld controller.



## 6 USING THE RECLINER

### 6. Moving the recliner



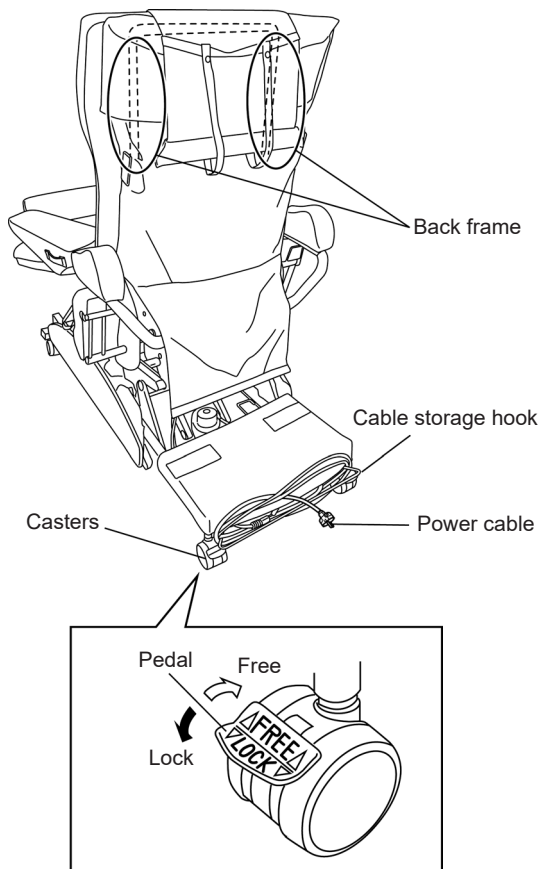
#### WARNING

- Do not move the recliner with a person sitting in it. There is a risk of injury caused by the person falling off the recliner when moving the recliner.
- Lock all four casters at all times except when moving the recliner. The recliner could move when a patient gets into or out of the recliner, possibly causing injury.



#### CAUTION

- Do not forcibly move the recliner when casters are locked. Doing so could damage the casters or casters could scratch the floor.
- Avoid transporting the recliner over uneven floors. Doing so could cause damage, deformation, or malfunctioning of the recliner. If moving on uneven floor is necessary, move the recliner as slow as possible.
- Do not move the recliner with any objects placed on it. The objects may fall, resulting in injury, or could be damaged.
- Use casters (KC-825C: sold separately) for moving the recliner a long distance, or across a sloping floor surface. The standard casters are made for the purpose of assisting recliner movement for relocation within a room or for cleaning. There is a risk of damage to the floor or the recliner by moving the recliner a long distance, or across a sloping floor surface.



- ① Before moving the recliner, operate the recliner as described below. p. 23  
Backrest: Raise to the highest position  
Leg rest: Lower to the lowest position.  
Seat face height: Lower to the lowest position (3 motor type only)
- ② Lower the flipped-up armrests, and close the open armrests. p. 19
- ③ Unplug the power plug and wind the power cable onto the cable storage hook.
  - \* Remove the foot control switch, IV Pole, and TV monitor, if attached.
  - \* Although you can move the recliner with the table, IV Pole attachment hole, TV arm holder, and sheets still attached, take particular caution to avoid hitting the surrounding objects.
- ④ Move the pedal of the casters upward to unlock the casters, and make sure that the casters rotate or swivel smoothly. (Four locations)
- ⑤ Hold the back frame inside the backrest and slowly move the recliner.
- ⑥ Move the pedal of the casters downward to lock the casters, and make sure that the casters do not rotate or swivel. (Four locations)

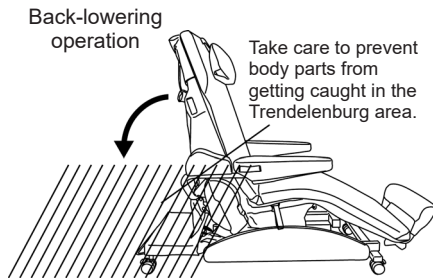


- Inspect casters regularly. Casters exhibit wear and deterioration according to the frequency and condition of use. (High temperature and high humidity conditions could accelerate deterioration.) Request after-sales services such as repair if the locking function deteriorates or wheels are discolored or cracked.

## 7. Emergency back-lowering function



### WARNING



- When performing the emergency back-lowering operation, take care to prevent body parts from getting caught. When the body parts get caught, there is a risk of injury. In particular, before performing the operation, check that nothing is caught in the spaces underneath the armrest and behind the backrest.

### ■ Manual emergency back-lowering function

- Use the emergency back-lowering lever to lower the backrest rapidly in case of emergency, such as the patient fainting due to anemia or a similar condition or a power failure. There are levers on both sides of the backrest, enabling lever operation from either the left or right side.



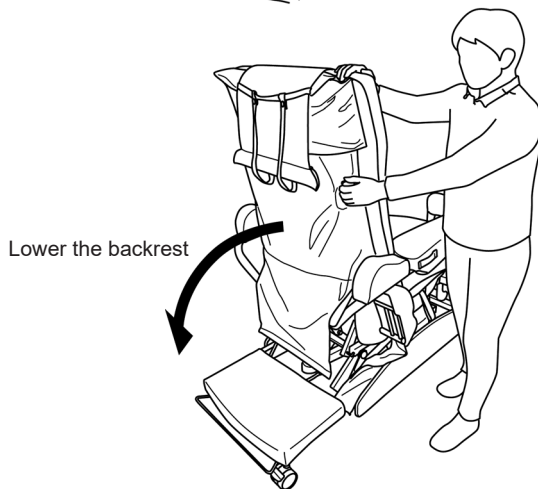
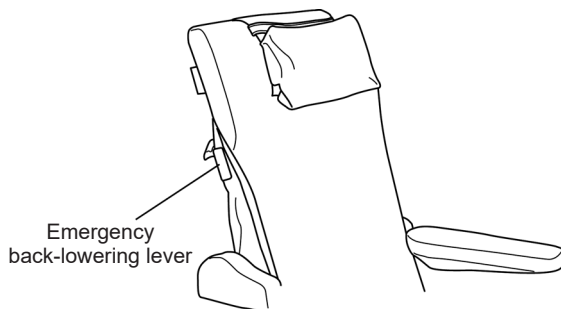
### WARNING

- When performing manual emergency back-lowering, use one hand to operate the emergency back-lowering lever, and use the other hand to support the backrest. Depending on the weight of the patient sitting in the recliner, and on the angle of the backrest, the backrest may drop suddenly, which could cause the patient to become injured.



### CAUTION

- During manual emergency back-lowering operation, do not operate the handheld controller or foot control switch (sold separately). Doing so could damage the motor.



### ■ Operation procedure

- ① Use one hand to pull the emergency back-lowering lever, and use the other hand to support the backrest.



- Depending on the patient's weight or the angle of the backrest, pulling the lever may not be enough to get the backrest to lower. In this case, use the other hand to push down on the backrest.

- ② Continue pulling the lever until the backrest has come down to the suitable position. If you release the lever halfway through, the back-lowering operation is stopped. The backrest can be lowered to a maximum of  $-12^{\circ}$  (Trendelenburg position).



- This lever can only be used to lower the backrest. To raise the backrest, use the handheld controller.












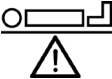
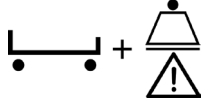




### ■ Motorized emergency backrest-lowering function



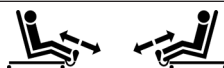












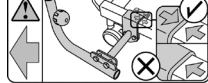
- Press the DOWN button (AUTO CONTOUR OPERATION) to lower the backrest rapidly. See "6 USING THE RECLINER" on p. 24.

\* The recliner can be changed from the chair position to the Trendelenburg position in 16 seconds.

## 7 PRODUCT SYMBOL DEFINITIONS

The following symbols are used for this product.

Symbol	Description
	● CE mark
	● Indoor use
	● Electrical waste
	● Refer to the instruction manual.
	● Refer to the instruction manual.
	● Type B applied part
	● Alternating current
	● Protective ground terminal
IPX4	● Protection code
	● Manufacturer * It may be called "Legal Manufacturer" or "Brand Owner" etc. * This symbol is not applicable in the country of origin.
	● Country of manufacture (Made in Japan) ● Manufacturing site * In the country of origin, the site acts as the manufacturer. ● Date of manufacture (YYYY-MM-DD)
	● Safe working load
	● Maximum patient weight
	● Maximum weight (Product weight + Safe working load)
	● Authorized representative in the European Community
	● Serial number
	● Medical Device (This product is a medical device in Europe, and may be a medical device in some countries and regions depending on their regulations.)
	● Model number

Symbol	Description
	● Unique Device Identifier This is a 2D Code (GS1 DataMatrix) that encodes the UDI (Unique Device Identifier) required by the Unique Device Identification System designed to adequately identify devices through distribution and use.
	● Lot number
	● Adjusting the footrest position
	● The maximum patient weight allowed on the recliner is 138 kg.
	● Do not lean against the recliner.
	● Do not sit on the armrest.
	● The armrests may operate unexpectedly.
	● If the back is lowered while the arm rest has been flipped up, the legs may get stuck.
	● Take care to prevent hands from getting caught in the armrest.
	● Position of the recliner when it is moved.
	● Do not move the recliner with a person sitting in it.
	● Do not move the recliner with the height raised. (3 motor type only)
	● Do not move the recliner with any objects placed on it.
	● Do not place any objects on the base frame cover.
	● Do not get on or place legs on the base frame cover.
	● Install the IV Pole attachment hole at the position where the arrows are facing each other.

## 8 SUITABLE ADDITIONAL ACCESSORY



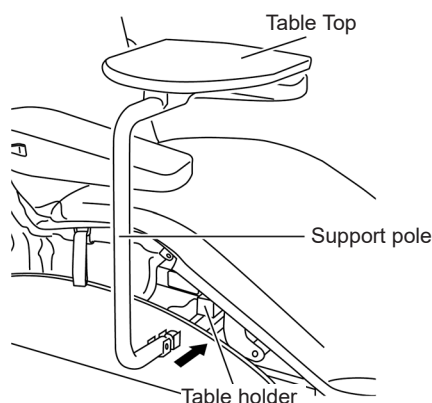
### WARNING

- Use accessories after confirming that the combination of accessories is correct. Combining components incorrectly may cause them to become damaged or lead to injury. The part number of each accessory is written on the product ID label and on the cardboard box.  
Note: The model number on the product ID label uses an F\*\*\*\* structure.  
Example: F8251 indicates KF-8251.
- Do not use accessories other than those specified below. This may create unintended gaps or damage or deform the product, leading to injury.
- Read the instruction manual for each accessory.



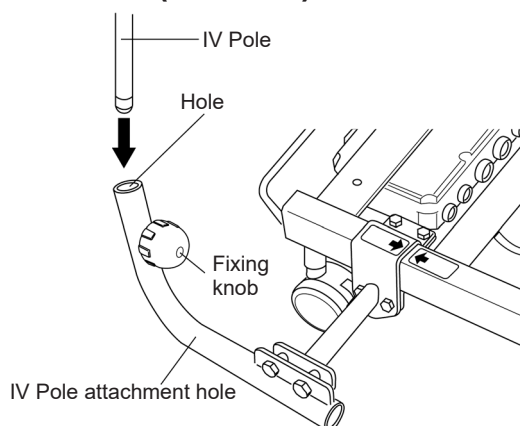
- The descriptions in this instruction manual may differ from the actual product due to specification changes. Contact us (see “Contact Information” on p. 46) or your distributor for any queries.

### 1. Table (KF-8251)



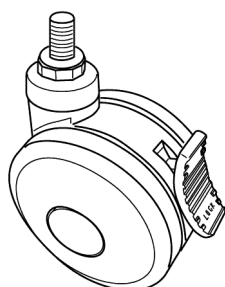
- The table will accommodate light activities. The table can be attached to the table holder located on both the left and right sides underneath the leg rest.

### 2. IV Pole (KC-56E) and IV Pole attachment hole (KC-8251A)



- The IV Pole is a support for intravenous drip. To use the IV Pole, first attach the IV Pole attachment hole and then insert the IV Pole.

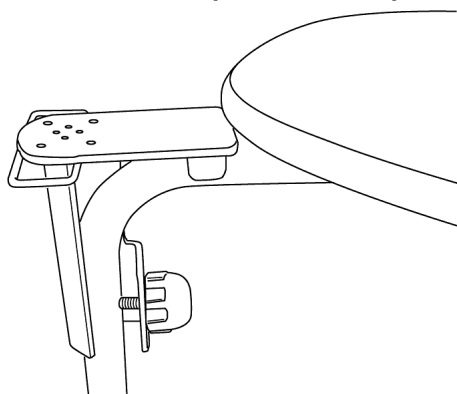
### 3. Casters (KC-825C)



- Use the casters for move the recliner long distances or across a sloping floor.  
\* When casters (KC-825C) are installed, the total height becomes 5.1 cm higher and may be different from the height display on the handheld controller.

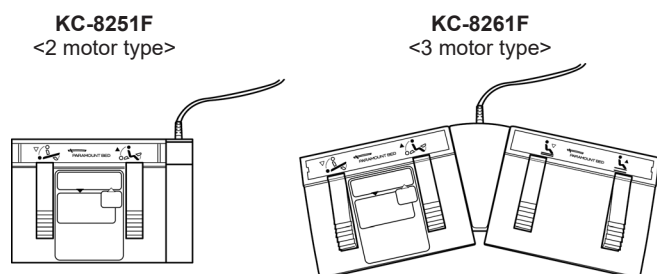
## 8 SUITABLE ADDITIONAL ACCESSORY

### 4. TV arm holder (KC-8251T)



- Used to attach the TV arm (commercially available) to a table.

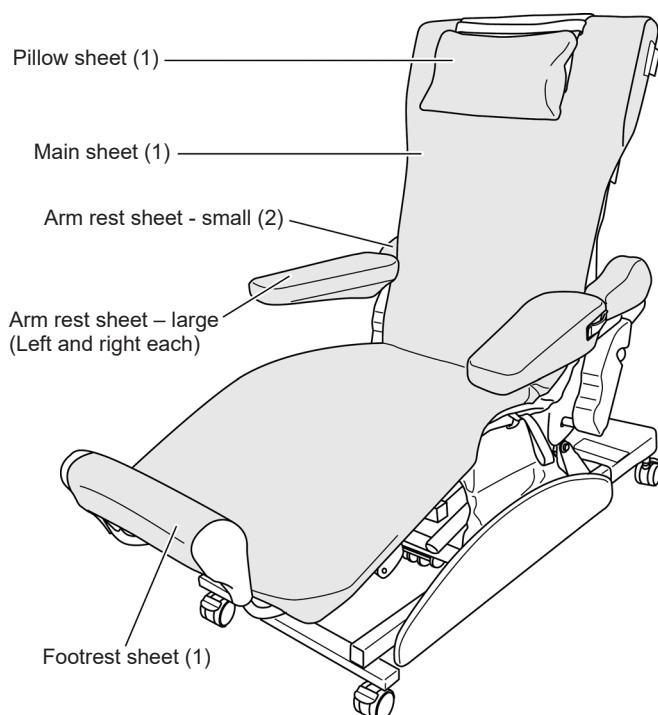
### 5. Foot control switch (KC-8251F, KC-8261F)



- The auto contour operation of the backrest and leg rest angle (back and knee auto contour operation) can be performed, and the recliner height can be adjusted (3 Motor Type only) using the foot control switch operation.

### 6. Sheets set (KE-073)

- Sheets are used to prevent the recliner from becoming soiled.



## 9 REGULAR INSPECTION AND DAILY MAINTENANCE

### <Maintenance and inspections by user>

■ Before the patient gets on the recliner and starts using it, make sure each part can be operated normally, and no abnormal sound is heard. To ensure safe use of the recliner, check the inspection items described in the inspection sheet below once a year, and make sure there is no problem. If you notice an irregularity or want a detailed inspection, contact us (see “Contact Information” on p. 46) or your distributor.

	Operation details	Inspection items
Recliner unit	Backrest-raising/lowering operation (See p. 23) Leg rest-raising/lowering operation (See p. 23) Backrest and leg rest auto contour operation (See p. 24)	Proper operation can be achieved.
		There must not be any strange noises.
	Height adjustment operation (See p. 23) *3 Motor Type only	Proper operation can be achieved.
		There must not be any strange noises or remarkable rattling.
	Miscellaneous	There must not be any peeling of labels, and the text must be legible.
		There must not be any scratches and deformation at the backrest, leg rest, or any other parts.
Casters	Movement	There must not be any strange noises when moving the recliner.
		There must not be any strange vibrations when moving the recliner.
	Caster locking operation (See p. 29)	Proper operation can be achieved.
		The operation must not be overly difficult.
		The recliner must not move easily when the casters are locked.
Armrest	Armrest operation (See p. 19)	The recliner must move smoothly when the lock is released.
		Proper operation can be achieved.
		There must not be any strange noises or remarkable rattling.
Footrest	Footrest operation (See p. 19)	The operation must not be overly difficult.
		Proper operation can be achieved.
		There must not be any strange noises or remarkable rattling.
Electrical parts	Visual check of electrical parts	Pass the footrest position adjustment belt through the loop running across the seat surface.
		Cables must not get tangled in the recliner.
		The plug and the cable must have no scratches or damage.
		Make sure dirt is not adhering to the plug.
		There must not be any scratches and damage on the handheld controller.
		Make sure the POWER lamp on the handheld controller is lit up in green.



## 9 REGULAR INSPECTION AND DAILY MAINTENANCE



### WARNING

- Unplug the power plug from the outlet before starting cleaning to prevent the recliner from moving unexpectedly, which could lead to accidents involving body parts getting caught in the recline.
- Do not clean the recliner by pouring water onto it. There is a risk of electric shock due to a short circuit.

### ■ How to remove stains on the recliner

Complete steps (1) to (3) listed below.

- (1) Wipe off parts using a soft cloth soaked in a neutral cleaning solution lightly diluted with water that has been wrung out to remove excess fluid.
- (2) Ring out as much moisture from the cloth as possible and then wipe up any remaining cleaning solution residue.
- (3) Use a dry cloth to thoroughly wipe away any leftover moisture.

### ■ When disinfecting parts

Use one of the disinfectants listed below at the specified concentrations by following the instructions in the instruction manual for the disinfectant.

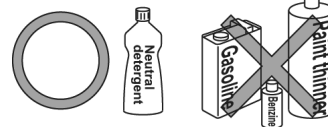
Up to 1.0% Sodium hypochlorite (e.g. Milton)

76.9 % - 81.4 % Ethanol for disinfection



### CAUTION

- Do not use volatile cleaning solution (such as paint thinner, benzene or gasoline) or cresol. Discoloration or deterioration could result.
- Do not use disinfectants or other fluids other than those listed above with the recliner. Discoloration or deterioration could result.
- Thoroughly dry off parts afterwards when cleaning using a neutral cleaning solution. Failure to do so could cause resin parts to crack.
- Clean the recliner when it gets wet. Failure to do so could cause the recliner to be deformed or damaged, or could cause it to deteriorate.
- Take precautions to prevent colors from being transferred onto the leather. If the recliner comes into contact with newspaper, other printed matter, or plastic products that use colorants for extended periods of time, the recliner may experience discoloration, color transfer, or deterioration. Note that colors that have been transferred on to vinyl leather cannot be removed.



- The recliner cannot be used with an ozone sterilizer, an autoclave, etc.

### ■ Accessories

- Follow the instructions described in the instruction manual supplied with the respective accessory.



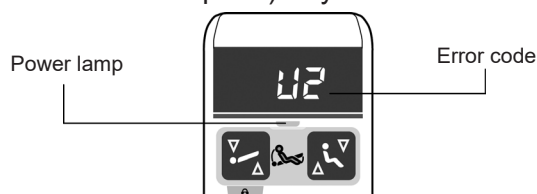
## 10 TROUBLESHOOTING



### WARNING

- If the recliner is damaged in an earthquake, fire, flood or other incident, contact us (see “Contact Information” on p. 46) or your distributor for inspection and repair. Otherwise, there is a risk of electric shock or fire due to short circuit or current leakage from electrical parts, or injury due to malfunctioning caused by deformation of the recliner.

- Problems may not always indicate faults. Check the following once again before requesting repair.
- If the problem persists after taking corrective action, stop using the recliner immediately, disconnect the power plug from the outlet and contact us (see “Contact Information” on p. 46) or your distributor for repair.
- In case of a failure or temporary problem, the display panel on the handheld controller displays an error code. Check the error code.



Status (symptom)	POWER lamp on handheld controller	Error code on handheld controller	Check	Corrective action	Reference page
The recliner does not move when the operation buttons are pressed.	OFF	—	Is the power plug plugged into the outlet?	Plug the power plug into the outlet.	—
		—	Is the power plug plugged into the outlet, but the POWER lamp on the handheld controller is OFF?	Plug another electrical device into the outlet to check that power is available.	—
	Green lights	—	Is the operation selection button for the pressed operation button OFF?	Operate the operation disabling button to enable operation buttons.	26
	Slow flashing in red only when the button is pressed (every 1 second).	U0	Is the power plug plugged into the outlet while the operation button is pressed?	Release the button that has been pressed.	—
		U1	Is there any obstacle that is interfering with the movable parts of the recliner?	Remove the obstacle, then operate the recliner.	—
		U2	Are you using an electronic device in the recliner, such as electronic treatment apparatus?	It seems that a preventive action to detect a poor communication condition was activated. This is not an error. When using electronic treatment apparatus, disconnect the power plug for the recliner from the power outlet.	—
			—	Unplug the power plug from the outlet and check that the POWER lamp on the handheld controller goes out, then plug the power plug back into the outlet.	—
		U3	—	Unplug the power plug from the outlet and check that the POWER lamp on the handheld controller goes out, then plug the power plug back into the outlet.	—
		U4	Did you use the recliner continuously? (When the actuator is operated continuously, the operation time limit may be activated to stop operation.)	Do not perform any operation on the recliner for 20 to 57 minutes. (If you don't observe this no-operation time, the error code will be displayed again).	—
		U5	—	Unplug the power plug from the outlet and check that the POWER lamp on the handheld controller goes out, then plug the power plug back into the outlet.	—
		U9	Did you press the button for a long period of time (30 seconds or longer) while operation is stopped?	Release the button and operate again.	—
			—	Unplug the power plug from the outlet and check that the POWER lamp on the handheld controller goes out, then plug the power plug back into the outlet.	—

## 10 TROUBLESHOOTING

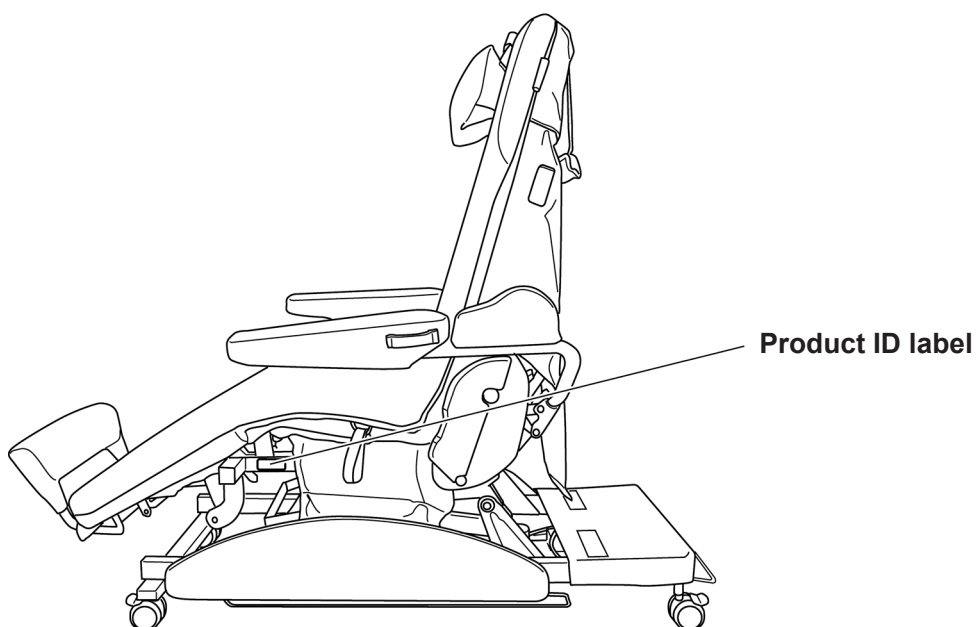
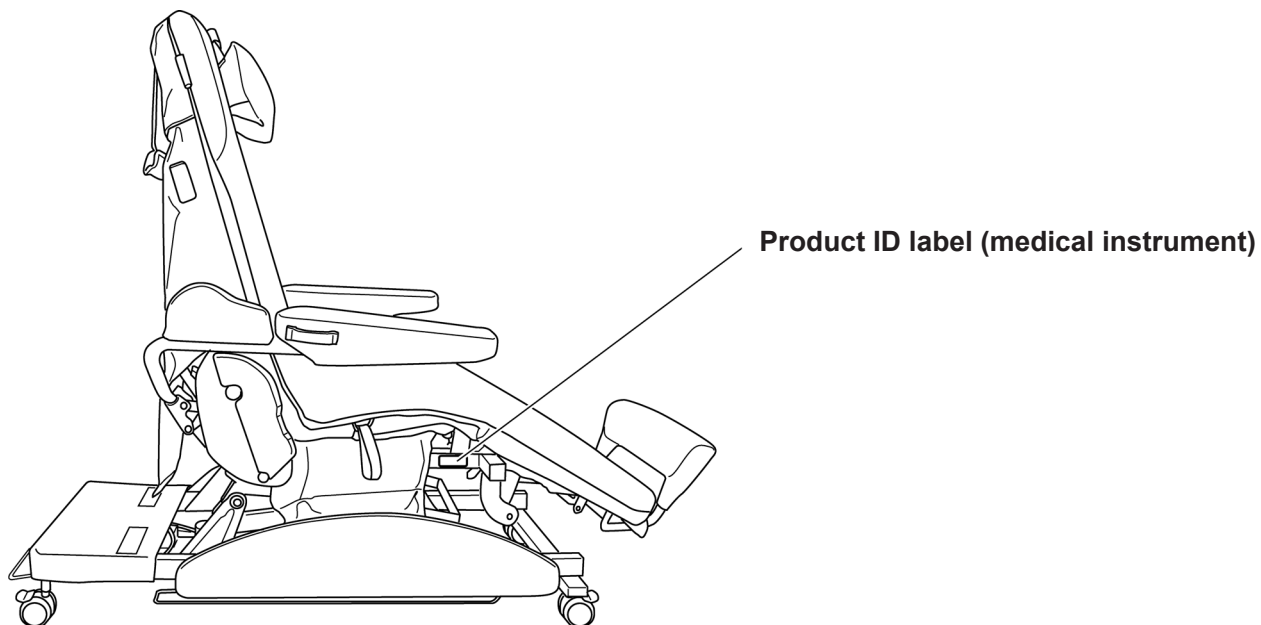
Status (symptom)	POWER lamp on handheld controller	Error code on handheld controller	Check	Corrective action	Reference page
The recliner does not move when the operation buttons are pressed.	Constant fast flashing in red (every 0.2 seconds)	H1 to H9		Unplug the power plug from the outlet and check that the POWER lamp on the handheld controller goes out, then plug the power plug back into the outlet.	—
A section that is different from the operated corresponding button moves.	Green lights	—	Did the leg rest (backrest) move down when the button for raising the backrest (raising the leg rest) was pressed?	The angle limit function is working and this is not a failure.	—
The correct position cannot be attained.	—	—	Is there any obstacle that is interfering with the movable parts of the recliner?	Remove any obstacles.	—
Unable to move the recliner.	—	—	Are casters locked?	Unlock casters.	—
The wrench mark is lit up in the setting mode.	—	—		Indicates it is time to replace the electrical parts. For details, contact us (see “Contact Information” on p. 46) or your distributor.	46

\* When requesting repair or contacting us (see “Contact Information” on p. 46) or your distributor, please provide the number on the product ID label (see p. 38).

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

■ **Position of product ID label**

Product ID labels are affixed to the side of the table holder on both sides.



## **11 LONG-TERM STORAGE AND TRANSPORTATION**

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### **[Long-term storage]**

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

1. Lower the recliner height to the minimum height. (3 Motor Type only)
2. Do not place any objects on the recliner.
3. Lower the arm rests if they have been flipped up, and close them if they are open.
4. Remove all accessories that were installed in the recliner.
5. Store the recliner in a low-dust environment that is not subject to extreme temperatures or humidity. Store the recliner at a temperature between 14°F and 122°F (-10°C and 50°C), humidity between 30% RH and 90% RH, and air pressure between 800 hPa and 1060 hPa.
6. Store the recliner on a flat surface with all casters in the locked position.
7. Unplug the power plug from the outlet and wind the power cable onto the cable storage hook (see p. 18)
8. Keep the instruction manual in a safe place so that they do not become lost.

### **[Transportation]**

■ When transferring the recliner, be careful about the above caution items.

# 12 SPECIFICATIONS

Recliner main unit	Product name		Multiple Medical Recliner		
	Model No.		KA-8261	KA-8251	
	Motor		3 motor type	2 motor type	
	Color		G: Gray P: Pink Y: Yellow green B: Blue		
	Type/Classification/General name		Mechanical implement 1, Operating table and treatment table, Diagnostic and processing chair.		
	Type of protection for electrical shock		Class I device		
	Level of protection for electrical shock		Type B applied part		
	Protection code		IEC 60529 IPX4		
	Dimensions (cm)	Total length		169.9 (When flat: 213.5)	166.2 (When flat: 213.5)
		Total width		75 (With armrest slide: 132.2)	
		Total height**1)		132.9 (When raised to maximum height: 163.9)	132.9
		Height from floor to center of the seat		45 (When raised to maximum height: 76)	45
		Seat width		Minimum width: 50 / Maximum width: 72	
		Casters		65 mm dia. casters with stoppers	
		Power cable		Effective length: 250 or more	
		Pillow		42 × 24 × 8	
	Product weight (kg)		90	70	
	Safe working load*2)		1600 N (163 kgf)		
	Guaranteed operation condition	Temperature	10 to 40°C		
		Humidity	30% RH to 75% RH		
		Air pressure	800 to 1060 hPa		
	Storage conditions	Temperature	-10 to 50°C		
		Humidity	30 to 90% RH		
		Air pressure	800 to 1060 hPa		
	Service life		8 years (based on Paramount data), excluding consumable items such as casters.		
	Materials and surface finishing	Frame	Made of steel (Epoxy resin coating)		
		Surface material	PVC leather		
		Cushion material	Urethane foam		
	Operating principles		Link mechanism using expansion and contraction of electric linear actuator		
	Backrest	Inclination angle	-12° to 75° [±7.5°]		
		Required time	Normal 36 sec., Fast 22 sec./For auto contoured lowering, operation: 16 sec.		
	Leg rest	Inclination angle	-30° to 12° [+5°, -3°]		
Required time		Normal 23 sec., Fast 14 sec./For auto contoured lowering, operation: 11 sec.			
Height adjustment	Range	45 cm to 76 cm [+1.5 cm, -1 cm] (Height from floor to seat face)	_____		
	Required time	20 seconds	_____		
Patient target groups	Patient age	13 years of age or older			
	Maximum patient weight	138 kg			
Intended users		Medical professionals			

\*1) When attaching the optional casters (100 mm dia.), the recliner height will be 5.1 cm higher than the height without casters.

\*2) Safe working load: Maximum weight that the recliner can safely accept. (The total load of the user's weight and incidental items including incidental items including accessories)

## 12 SPECIFICATIONS

	Product name	Multiple Medical Recliner	
	Model No.	KA-8261	KA-8251
	Motor	3 motor type	2 motor type
	Color	G: Gray P: Pink Y: Yellow green B: Blue	
	Type	Linear actuator (DC motor)	
	Power supply voltage / frequency	100 to 240 VAC, 50/60 Hz	
	Power consumption	230 VA or less	
	Maximum continuous operating time	5 min. (downtime 45 min. * <sup>3)</sup> )	
	Operation sound* <sup>4)</sup>	45 dB or less* <sup>4)</sup>	
	Handheld controller	Enables backrest and leg rest angle adjustment, height adjustment, and auto contour operation	Enables backrest and leg rest angle adjustment, and auto contour operation
	Foot control switch (optional)	Enables height adjustment and auto contour operation	Enables auto contour operation
Fuse	Control box	250 V, 8A Isolated type Breaking capacity: 1500 A or more Size: 5 mm × 20 mm	

\*3) Time to protect electrical parts from overheating when the recliner is used continuously for maximum continuous operating time (5 min).

\*4) Based on internal measurement criteria.

- Basic performance  
Function for supporting the patient's body weight
- Clinical benefits  
Patient comfort during treatment  
Efficient care provision
- Applicable standards  
The recliner described in this instruction manual is designed and manufactured according to the following standards.

Applicable standards : IEC60601-1: 2005+CORR.1: 2006+CORR.2: 2007+AM1: 2012  
: IEC60601-1-2: 2014  
: EN60601-1: 2006+A12: 2014  
: EN60601-1-2: 2015

Classification as medical device in Europe: Class I

## 13 TECHNICAL EXPLANATION REGARDING EMC

The recliner requires special safety precautions regarding EMC to be observed.


Install, operate, and use the L'za series according to the information provided below.

The recliner is intended for use in an electromagnetic environment specified according to “Electromagnetic interference”.

Using the recliner in an unintended environment may result in the occurrence of the following problems.

- The function for supporting the patient's body weight may not be maintained.

No.	Cable	Maximum length [m]	Remarks
1	AC power cable	5.0	Shielded
2	Handheld controller cable	1.57	Not shielded

 <b>WARNING</b>	<ul style="list-style-type: none"> <li>● If accessories, transducers, or cables other than those specified and sold by the manufacturers of the recliner are used as replacement parts for internal components, it may result in an increase in emission or a decline in immunity of the recliner.</li> <li>● Use portable RF communication devices (including antenna cables and peripheral devices such as external antennas) at a distance of at least 30 cm from all parts of the recliner. Using the RF communication devices within a distance of 30 cm may cause a decline in the performance of the recliner.</li> <li>● The recliner cannot be used adjacent to another device or in a stacked state. If the recliner must be used adjacent to another device or in a stacked state, make sure the recliner operates appropriately at the location of use.</li> </ul>
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The recliner is intended for use in doctor's offices, clinics, exclusive medical facilities, independent surgery centers, multiple treatment facilities, hospitals (except near high-frequency surgical equipment, and outside RF shielded rooms for magnetic resonance images). The customers or users of the recliner must ensure that the recliner is always used in this environment.

Due to its emission characteristics, the recliner is suitable for use in hospitals. If used in a home environment, this device may not offer sufficient protection against radio frequency communication services. It may be necessary for the user to take relaxation measures such as re-arranging or changing the direction of the device.

Guidance and Manufacturer's Declaration — Electromagnetic Emission		
The recliner is intended for use in the electromagnetic environments specified below. The customer or the user of the recliner must use it in an environment specified here.		
Emission test	Compliance	Electromagnetic environment — guidance
RF emissions CISPR 11	Group 1	The recliner uses RF energy only for its internal functions. Therefore, its RF emission level is low and cause almost no interference with nearby electronic equipment.
RF emissions CISPR 11	Class A	The recliner can be used in all of the following facilities. Domestic facilities or facilities directly connected to a low-voltage power supply network for general households.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Compliant	




## 13 TECHNICAL EXPLANATION REGARDING EMC

Guidance and Manufacturer's Declaration — Electromagnetic Immunity		
The recliner is intended for use in the electromagnetic environments specified below. The customer or the user of the recliner must use it in an environment specified here.		
Immunity test	IEC 60601-1-2 test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact discharge ±2 kV, ±4 kV, ±8 kV, ±15 kV air discharge	±8 kV contact discharge ±2 kV, ±4 kV, ±8 kV, ±15 kV air discharge
Electrical fast transient/ burst IEC 61000-4-4	± 2kV power supply lines	± 2kV power supply lines
Surge IEC 61000-4-5	Line – line ±0.5 kV, ±1.0 kV Line – ground ±0.5 kV, ±1.0 kV, ±2.0 kV	Line – line ±0.5 kV, ±1.0 kV Line – ground ±0.5 kV, ±1.0 kV, ±2.0 kV
Voltage dips IEC 61000-4-11	0% $U_T$ for 0.5 cycle 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°	0% $U_T$ for 0.5 cycle 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°
	0% $U_T$ for 1 cycle and 70% $U_T$ for 25/30 cycles Single-phase: 0°	0% $U_T$ for 1 cycle and 70% $U_T$ for 25/30 cycles Single-phase: 0°
Short-term power failure IEC 61000-4-11	0% $U_T$ for 250/300 cycles	0% $U_T$ for 250/300 cycles
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m
Note: $U_T$ is the AC power supply voltage prior to application of the test level.		

## Guidance and Manufacturer's Declaration — Electromagnetic Immunity

The recliner is intended for use in the electromagnetic environments specified below.  
The customer or the user of the recliner must use it in an environment specified here.

Immunity test	IEC 60601-1-2 test level	Compliance level	Electromagnetic environment — guidance
RF conductivity IEC 61000-4-6	<p>3 V 0.15 MHz to 80 MHz</p> <p>6 V ISM bandwidth between 0.15 MHz and 80 MHz 80% amplitude modulation (1 kHz)</p>	<p>3 V 0.15 MHz to 80 MHz</p> <p>6 V ISM bandwidth between 0.15 MHz and 80 MHz 80% amplitude modulation (1 kHz)</p>	<p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, must be less than the compliance level in each frequency range.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p>
Radioactive RF electromagnetic field IEC 61000-4-3	<p>3 V/m 80 MHz to 2.7 GHz 80% amplitude modulation (1 kHz)</p>	<p>3 V/m 80 MHz to 2.7 GHz 80% amplitude modulation (1 kHz)</p>	

- a. Field strengths from fixed transmitters, such as those of base stations for radio (cellular/cordless) telephones, land mobile radios, amateur radios, AM and FM radio broadcasts, and TV broadcasts cannot be predicted theoretically with accuracy. To determine the electromagnetic environment due to fixed RF transmitters, an electromagnetic survey of the site should be considered. If the measured field strength in the location in which the recliner is used exceeds the applicable RF compliance level above, the recliner should be observed to verify whether or not it is operating appropriately. If an abnormal operation is seen, take additional measures as needed, such as changing the location of use of the recliner.
- b. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

# 13 TECHNICAL EXPLANATION REGARDING EMC

Guidance and Manufacturer's Declaration — Electromagnetic Immunity							
The recliner is intended to be used in an electromagnetic environment where RF radio communication devices are used. The electromagnetic interference between the RF communication device and the recliner can be prevented by maintaining the minimum distance between the two as recommended below in accordance with the maximum output and frequency of the communication device.							
Immunity test	IEC 60601-1-2 test level	Compliance level	Bandwidth (MHz)	Service	Modulation	Max. output (W)	Distance (m)
Proximate electromagnetic field IEC 61000-4-3	27 V/m 385 MHz	27 V/m	380 - 390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3
	28 V/m 450 MHz	28 V/m	430 - 470	GMRS 460 FRS 460	Pulse modulation 18 Hz	2	0.3
	9 V/m 710 MHz	9 V/m	704 - 787	LTE bandwidth 13, 17	Pulse modulation 217 Hz	0.2	0.3
	9 V/m 745 MHz						
	9 V/m 780 MHz						
	28 V/m 810 MHz	28 V/m	800 - 960	GSM800/900 TETRA800 iDen820 CDMA850 LTE bandwidth 5	Pulse modulation 18 Hz	2	0.3
	28 V/m 870 MHz						
	28 V/m 930 MHz						
	28 V/m 1720 MHz	28 V/m	1700 - 1990	GSM1800 CDMA1900 GSM1900 DECT LTE bandwidth 1, 3, 4 25; UMTS	Pulse modulation 217 Hz	2	0.3
	28 V/m 1845 MHz						
	28 V/m 1970 MHz						
	28 V/m 2450 MHz	28 V/m	2400 - 2570	Bluetooth WLAN 802.11 b/g/n RFID2450 LTE bandwidth 7	Pulse modulation 217 Hz	2	0.3
	9 V/m 5240 MHz	9 V/m	5100 - 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3
	9 V/m 5500 MHz						
	9 V/m 5785 MHz						

## 14 AFTER-SALES SERVICE

### 1. When requesting repairs

First check the items described in “10 TROUBLESHOOTING” on p. 36 to 38 in the instruction manual. If the problem persists, disconnect the power plug of the recliner from the outlet and contact us (see “Contact Information” as shown below) or your distributor.

#### ■ Details necessary when requesting repair

- Product name, model number, product ID label number (Affixed to the side of the table holder on the right side: see p. 38)
- Date of purchase
- Details of fault or problem (please provide as much detail as possible)
- Your name, organization, address, and phone number

#### ■ Consumable parts

Parts including casters and the handheld controller are consumable parts.

### 2. Minimum stock availability period

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

### 3. Questions regarding after-sales service



Contact us (see “Contact Information” as shown below) or your distributor.

## 15 RECLINER DISPOSAL

When the Multiple Medical Recliner L'za has reached the end of its usable life, discard it according to local standards.

### Contact Information

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

[Location in Japan (Manufacturer)]	[Location in Japan (Manufacturing premises)]
 <b>PARAMOUNT BED CO., LTD.</b> 14-5, 2-chome, Higashisuna, Koto-ku, Tokyo, 136-8670, Japan Tel: +81-(0)3-3648-2961 Fax: +81-(0)3-3648-5781	 <b>PARAMOUNT BED CO., LTD.</b> <b>CHIBA FACTORY</b> 2078, Shirahata, Sammu-shi, Chiba, 289-1306, Japan

For other contact information, please visit the website.  
Website: <https://www.paramount.co.jp/english/>



### [The name and address etc. of Licensed Marketing Approval Holders and Manufacturer of Medical Devices]

The licensed marketing approval holder

■ PARAMOUNT BED CO., LTD. 2078, Shirahata, Sanmu-shi, Chiba 289-1306 Tel: +81-(0)475-81-3000 (Chiba factory)



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