



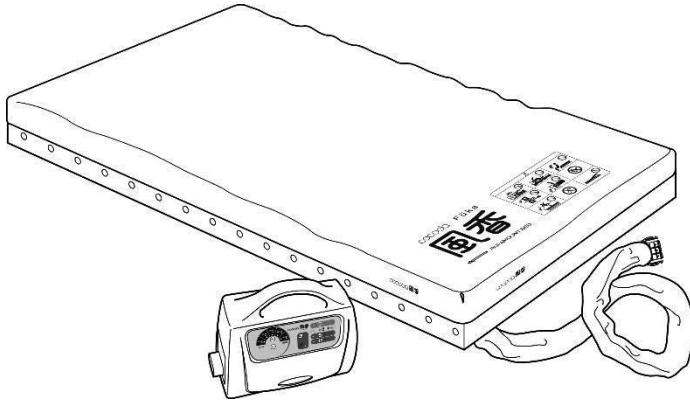
PARAMOUNT BED

INSTRUCTION MANUAL

Air Mattress

cococia Fūka

7F11336300A7



cococia Fūka

Preface

Thank you for purchasing the **Air Mattress cococia Fūka** (hereinafter referred to as the **air mattress**).

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

- **Before using this air mattress, please read this instruction manual to fully understand the safe and proper operating procedures.**
- **In addition to the person who uses this air mattress, carers (attendants, nurses, caregivers, etc.) should also read this instruction manual.**
- **After reading this instruction manual, store it in a place that can be easily accessed for later reference.**
- **Users and/or carers are requested to report information about any serious incident related to this air mattress 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.
- Some of the descriptions in this instruction manual may differ from the product you have purchased due to model refinements.
 - Values in the specifications such as operating ranges, dimensions, angles, and weight are subject to normal manufacturing tolerances. With some exemptions, words such as "approximately" and "about" are omitted for readability in this instruction manual.
 - Contact us (see "Contact Information" on p. 33) for any queries.

PARAMOUNT BED CO., LTD.

CONTENTS

1 INTENDED USE	1
2 PART NAMES AND CHECKING PARTS	2 - 3
3 SAFETY PRECAUTIONS	4 - 9
4 FUNCTIONS	10
5 INSTALLATION	11 - 14
6 OPERATING PROCEDURES	15 - 16
7 MAINTENANCE AND INSPECTION	17 - 20
8 TROUBLESHOOTING	21 - 22
9 LONG-TERM STORAGE, TRANSPORTATION, AND DISPOSAL	23 - 24
10 SPECIFICATIONS	25 - 29
11 SUITABLE PRODUCTS	30
12 PRODUCT SYMBOL DEFINITIONS	31 - 32
13 AFTER-SALES SERVICE	33

1 INTENDED USE

■ cococia Fūka is an air mattress with an external pump, which is designed to disperse body pressure when used for care in medical and elderly care facilities or at home.

Note:

Intended users: Persons weighing 30 to 180 kg who are at least 12 years of age

Persons requiring a function to disperse pressure applied to the body

Clinical benefit: Body pressure dispersal to reduce the risk of pressure injury

2 PART NAMES AND CHECKING PARTS

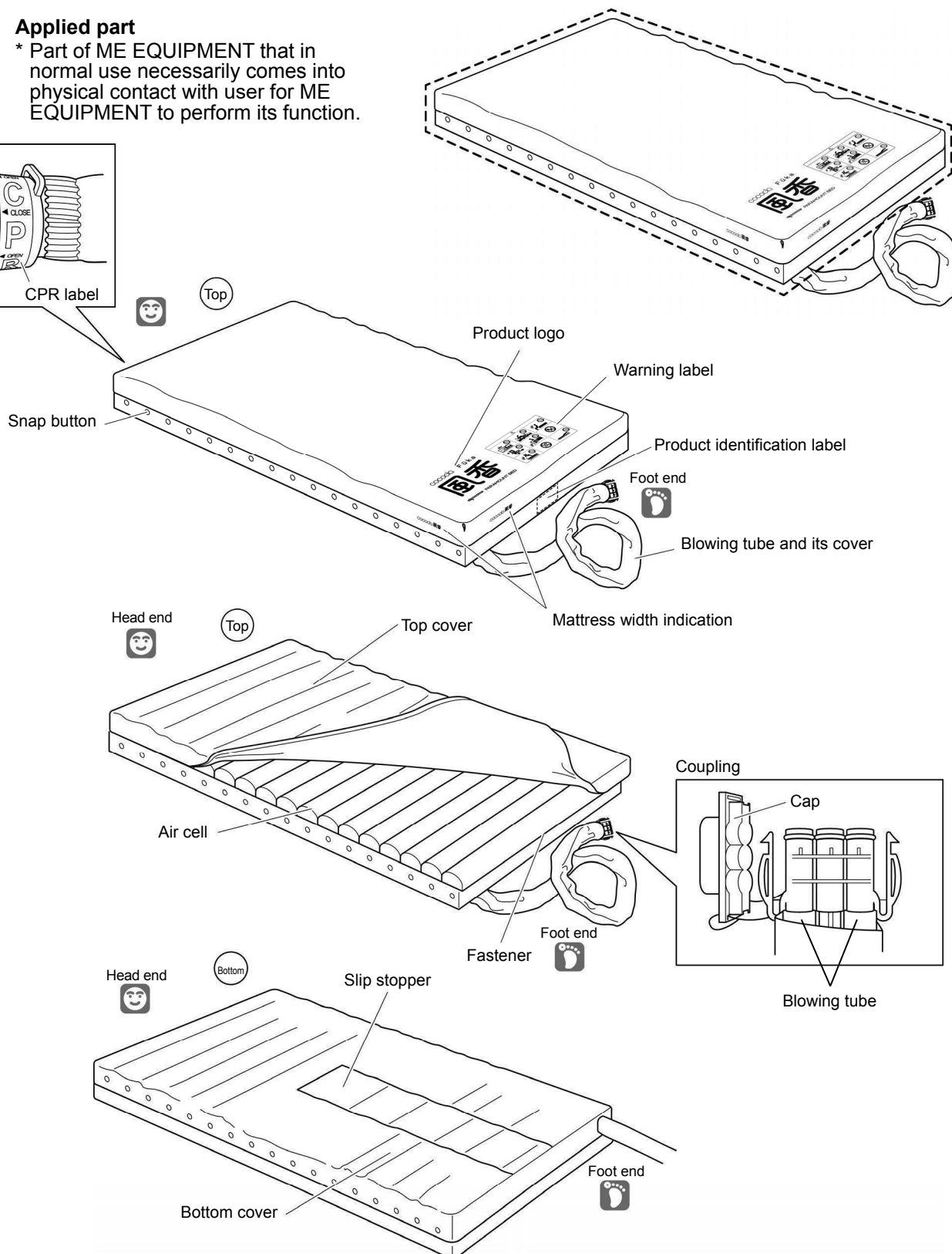
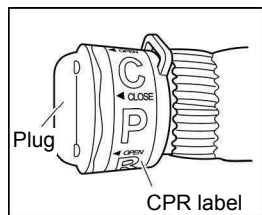
■ Keep the packing materials (cardboard boxes and vinyl bags) in which the air mattress and pump were delivered as they will be used for long-term storage and transportation. (See p. 23 and p. 24)

<Air Mattress>

Applied part

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

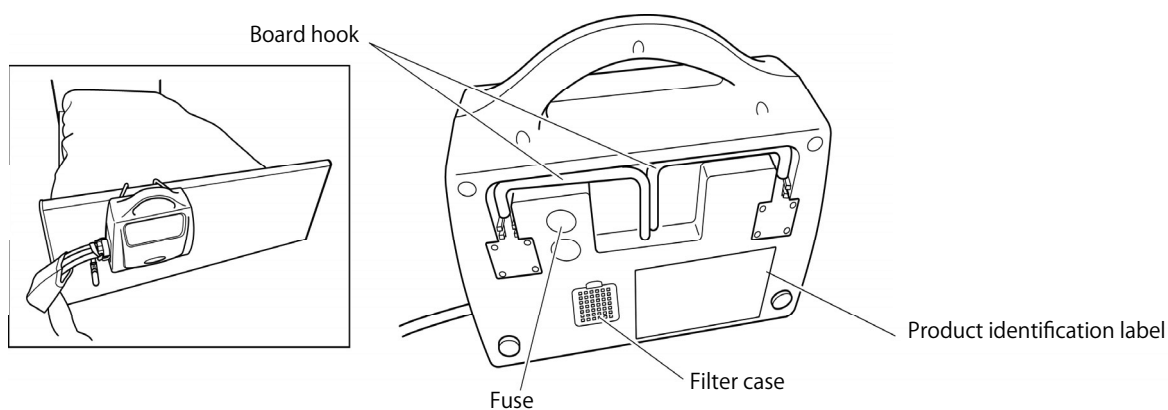
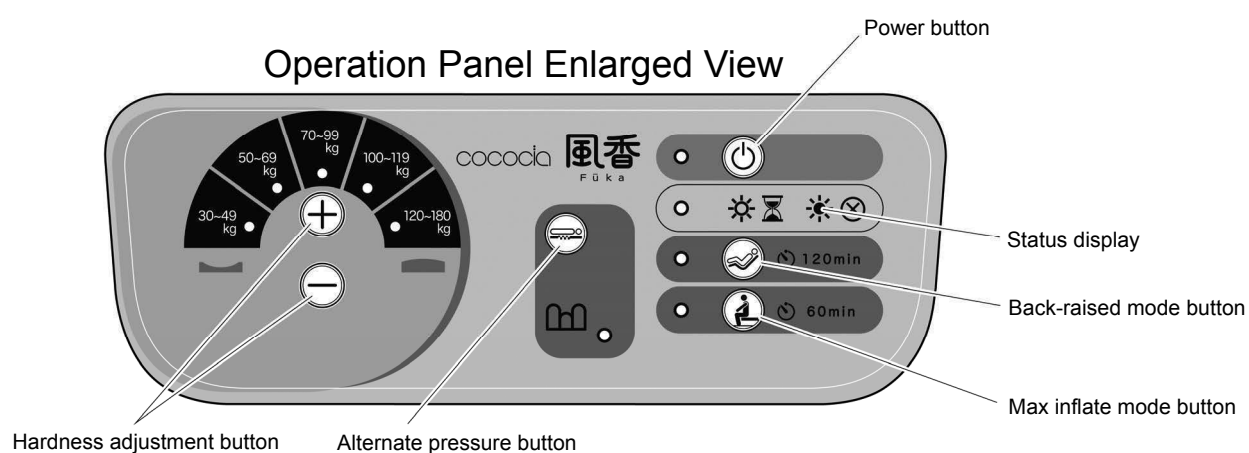
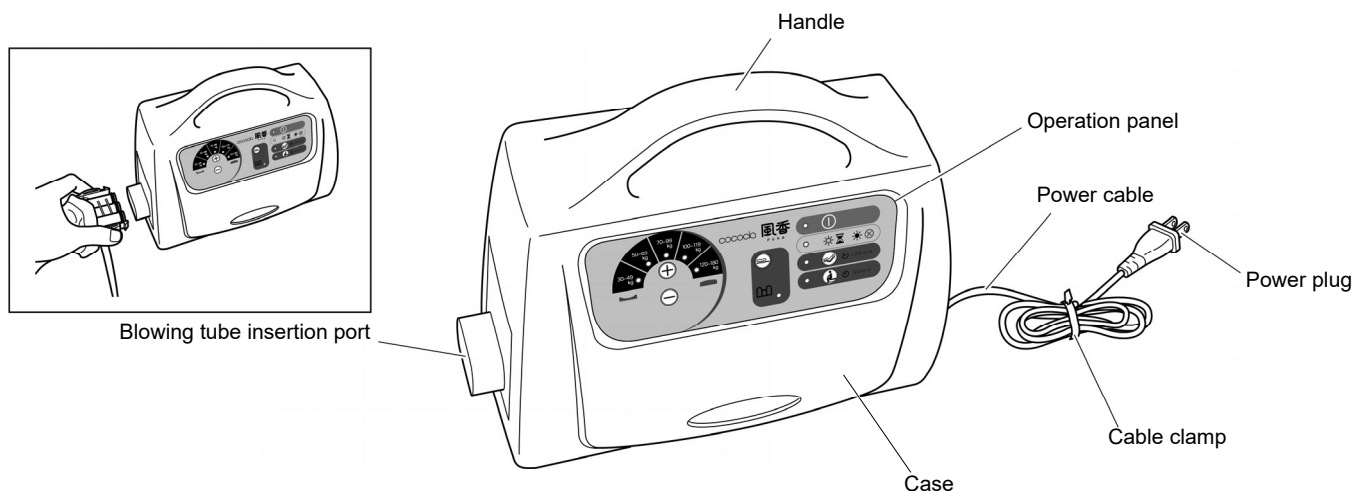
CPR valve



* This air mattress has a top, bottom, head end, and foot end. Place the air mattress so that the product logo faces up and the blowing tube is at the foot end of the user.

2 PART NAMES AND CHECKING PARTS

<Pump>



3 SAFETY PRECAUTIONS

■ To ensure safe and proper use, be sure to read this "SAFETY PRECAUTIONS" before use.

- 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 either ⚠ WARNING and ⚠ CAUTION, which indicate the degree of hazard or injury that could result from improper use. **Both are important safety precautions that must be strictly observed.**

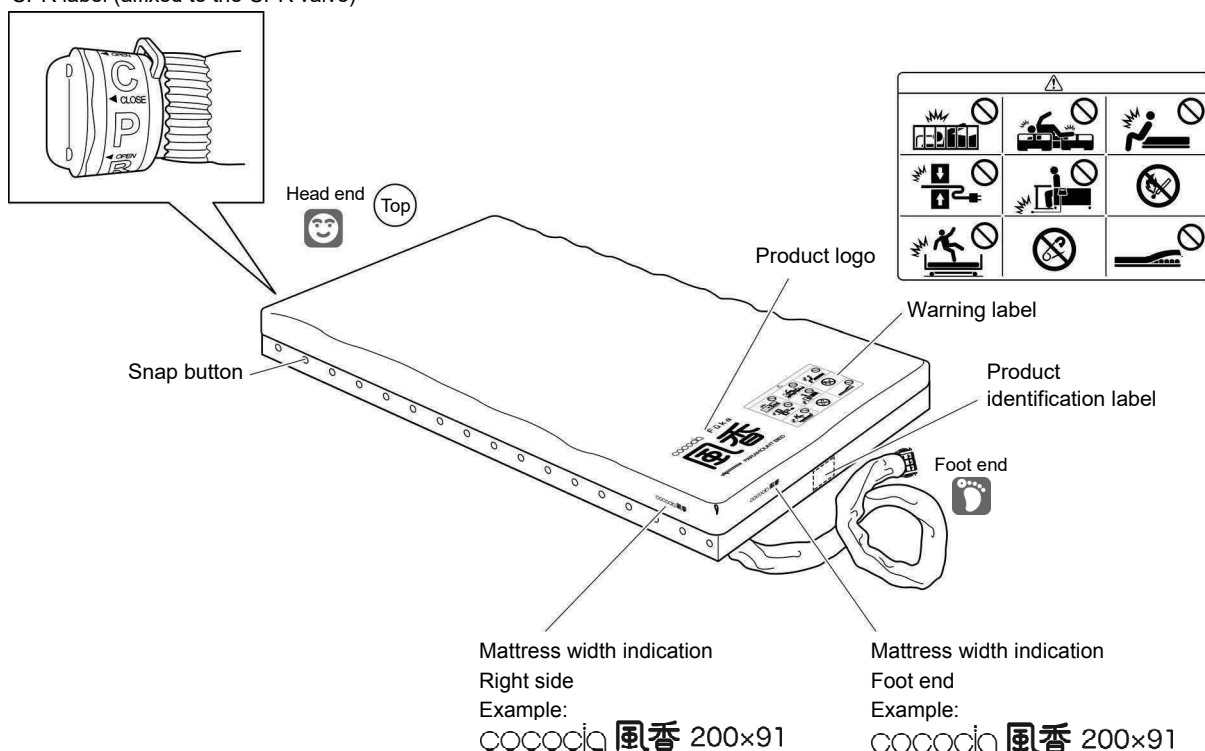
 WARNING	Indicates that improper handling by ignoring this indication may cause death or serious injury (broken bones, pressure, or paralysis).
 CAUTION	Indicates that improper handling by ignoring this indication may cause minor personal injury (bruises, scratches, or cuts) or property damage.

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

[About the warning, CPR and product ID labels]

- Warning and precautions requiring special attention are described on labels, etc. that are printed, affixed, and sewn to the following locations. Do not remove or deface them.
 - Mattress surface, pump bottom, and CPR valve
- If the printed warning or product ID label on the air mattress is damaged or illegible, replace the top cover with a new one obtained from your distributor.
- If the product ID label on the pump is removed or defaced, replace the label with a new one obtained from your distributor.
- If the CPR label on the air mattress is removed or defaced, contact your distributor (see "Contact Information" on p. 33) for repair.

CPR label (affixed to the CPR valve)



3 SAFETY PRECAUTIONS

WARNING

■ Be careful not to get your body caught.

- When used together with a bed side-rail or swing arm bed grip/side support, your body may get caught in the gap between those products or bed and the air mattress and you may be injured or suffocated due to the pressure. Special attention is required because this product easily sinks because of its characteristics.

■ Be careful not to get your neck caught in the cables or blowing tube.

- There is a risk of injury or suffocation.

■ Take care to prevent the drain tube from getting caught.

- Take care to prevent the drain tube from getting caught in the gap between the air mattress, bed, and a bed-side rail or swing arm bed grip. The drain tube could come off or be smashed.

■ Do not operate the operation panel with part of the body placed in the gap between the bed and a bed-side rail, etc.

- The body part may get caught in the gap, possibly causing injury.
- Be especially careful to check users who might act in unexpected ways or cannot maintain their posture independently.

■ For the bed or other products used in combination with the air mattress, use suitable products specified 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 damage to the air mattress. For suitable products, see p. 30.

■ Do not use the air mattress for infants or children (aged 12 or under).

- This product is not designed for infants or children. There is a risk of injury or suffocation due to pressure caused by a part of the body getting caught in the gap between the air mattress and a bed side-rail, etc.

■ Use an air mattress that is the same width and length as the bed.

- If an air mattress that is not the same width and length as the bed is used, there is a risk of unexpected gaps being created and part of the body getting caught, resulting in injury.

■ When getting in and out of the bed (air mattress) or taking a sitting position, be careful not to fall or topple over.

- When getting in and out of the bed (air mattress) or taking a sitting position, set "Max inflate mode" and wait for the air mattress to become hard before doing it. Furthermore, a caregiver or attendant should support the body of the user or let the user hold on to the swing arm grip, etc. to ensure that the user does not slip off the bed.

■ Take care to prevent the user from falling off the bed even when bed side-rails are used.

- The user may bend forward over a bed side-rail and fall off the bed, possibly causing injury.
- Be careful because this air mattress is thicker than other mattresses and the height of the bed-side rails becomes relatively low, so it is easier for the user to roll over them.

■ Do not transport the air mattress while the user is on the air mattress.

- Transport the air mattress while a person or heavy object is not on the air mattress. If the air mattress is transported while a person or heavy object is on the air mattress, the person may fall off the air mattress or the air mattress may be damaged.

■ Take care to prevent the air mattress from protruding from the bed and slipping off it.

- If the air mattress protrudes from the bed when raising the back of the bed or when the user gets in or out of the bed, the air mattress may slip off the bed and the user also may fall off or topple over. The air mattress is light in weight because of its characteristics, so extra care is required.

■ Do not apply shock to the air mattress by standing up or jumping on the air mattress.

- There is a risk of injury due to falling or damage to the air mattress.

■ Use the air mattress according to the user's medical condition.

- Depending on the user's medical condition, the user's medical condition could worsen by operating the air mattress.

⚠ WARNING

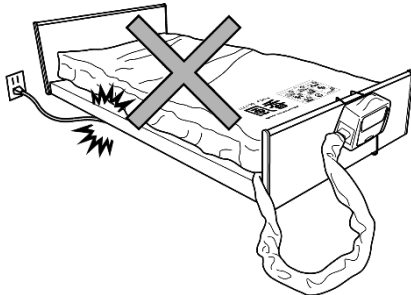
■ **When hooking the pump to the bed, hang it over the footboard with the operation panel facing the outside of the bed.**

- If it is hung anywhere else other than over the footboard or with the operation panel facing the inside of the bed, you may accidentally press a button on the operation panel and the air mattress may behave unexpectedly, resulting in injury.

■ **Be careful not to trip over the power cable.**

- There is a risk of injury caused by falling over.
- There is a risk that the power cable may be damaged, causing electric shock or fire.

■ **Do not damage the power cable.**

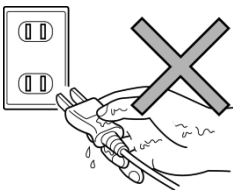


- Damage to the power cable may cause electric shock or fire.
 - Be careful not to allow the power cable to get caught in the movable parts of the bed.
 - Be careful not to place heavy objects on the power cable or apply excessive force to them.
 - Do not run over the power cable with the bed.

■ **Route the power cable on the side where the user does not get on or off the bed (air mattress) and the over bed table is not used.**

- There is a risk of tripping over the power cable and falling over.
- There is a risk that the power cable may be damaged, causing electric shock or fire.

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



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

■ **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.

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

- There is a risk that the power cable may be damaged, causing electric shock or fire.

■ **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.

■ **Take care when handling the pump.**

- The air mattress may malfunction, causing injury, failure, or damage. In addition, there is a risk of electric shock or fire due to a short circuit.
 - Do not step on, press, or apply excessive force to the pump.
 - Do not drop the pump on the floor or hit it against the wall.
 - Do not forcefully pull the power cable.
 - Do not damage the pump.
 - Do not spill water on the pump or touch it with wet hands.
- Request repair (or replacement) of a damaged pump.

■ **Do not connect multiple cables to a single power outlet.**

- If other electrical equipment is plugged into a power outlet or an extension cable and its rated capacity is exceeded, it could cause the cable or plug to overheat, resulting in fire.

■ **Place the air mattress directly on the bed and do not place anything other than sheets and mattress pads on the air mattress.**

- The body pressure may not be dispersed effectively. In addition, when the thickness increases, it is easier for the user to roll over the bed side-rails, so the user could fall from the bed or a body part may get caught in the gap between the bed and bed-side rails, resulting in injury.

3 SAFETY PRECAUTIONS

WARNING

- **Adjust the hardness according to the weight of the user.**
 - If the hardness adjustment is not successful, the body pressure may not be dispersed effectively, possibly causing bedsores.
- **If emergency response such as cardiac massage is required, use the CPR function (see p. 16).**
 - If the CPR function is not used, immediate action cannot be taken and symptoms may worsen.
- **Do not smoke on the air mattress.**
 - Doing so may cause fire.
- **Do not spill water**
 - Do not spill water on the pump. This could cause an electric shock due to short circuit or failure. If water is accidentally spilled on the pump, remove the power plug from the power outlet and then contact your distributor (see "Contact Information" on p. 33).
- **Do not use the air mattress for a person lighter or heavier than the specified weight range.**
 - This air mattress can be used for persons with a weight from 30 to 180 kg. If it is used by a person lighter or heavier than the specified weight range, the body pressure cannot be dispersed effectively.
- **Multiple persons should not get on the air mattress.**
 - The body pressure may not be dispersed effectively, causing bedsores or damage to the air mattress.
- **Do not lie facedown.**
 - Install the pump properly according to the prescribed procedure. Make sure the air mattress is connected to the pump properly.
- **Always unplug the power plug before cleaning.**
 - Failure to do so may cause the air mattress to start unexpectedly, possibly causing injury.
- **Do not apply a strong shock to the part connecting the air mattress and the pump.**
 - Hitting a wheelchair, electric patient lifter, etc. against the part connecting the air mattress and the pump may cause the coupling to be disconnected, which may cause an air leakage from the air mattress, so the body pressure may not be dispersed effectively.
- **Install the pump properly according to the prescribed procedure. Make sure the air mattress is connected to the pump properly.**

Improper installation or improper connection or fixing may cause malfunction or result in an inability to supply air, so the body pressure may not be dispersed effectively, possibly causing bedsores.

 - Improper fixing may result in the pump falling down, causing injury or damage or deformation. Damage may also result in a short circuit, which may cause an electric shock or a fire.
 - This device should not be used adjacent to or stacked with other equipment.
 - * For the proper installation procedure, see p. 12 and p. 13.
- **Place the air mattress properly with the regard to the top, bottom, head end, and foot end.**
 - Failure to do so will result in not being able to disperse body pressure effectively.
- **When using electrical equipment such as an electric cover blanket, pay attention to the following items.**
 - Install electrical equipment so cables (such as the power cable) do not get caught in the casters or movable parts of the bed. Damage to the cables may cause electric shock or fire.
 - Keep the temperature 15°C to 40°C.
 - Failure to do so may cause the failure of the air mattress.
 - Before use, check the safe operating procedures by referring to, for example, the instruction manual of the electrical equipment to be used.
 - Do not use electrical equipment that is placed under the body, such as an electric sheet blanket.
- **Disconnect the power plug from the outlet when using electronic medical equipment.**
 - Using the air mattress in conjunction with electronic medical equipment (e.g. microwave or ultrasonic medical equipment) could cause operational failure or malfunction.
 - Connect the power plug to the outlet after using electronic medical equipment.

WARNING

- **When using the air mattress for the first time or resuming use after long-term storage, read this instruction manual carefully and fully understand, for example, how to use the air mattress.**
 - Incorrect operation may cause unexpected injury.
- **Request inspection and repair of an air mattress damaged in a disaster.**
 - If the air mattress is damaged in a disaster such as an earthquake, fire, or flood, contact your distributor (see "Contact Information" on p. 33) for inspection and repair. There is a risk of electric shock or fire due to a short circuit or current leakage from electrical parts, or injury due to malfunctioning caused by damage or deformation of the air mattress.
- **Only persons with specialized training or certification in the handling and care of patients showing signs of pressure ulcers should operate the air mattresses. Do not allow the patient to operate and adjust the air mattress.**
 - The body pressure may not be dispersed effectively, causing bedsores or damage to the air mattress.
- **If pain, irritation, numbness, swelling, or redness occurs, stop using the air mattress and consult a medical professional.**
 - Depending on the user's medical condition, the user's medical condition could worsen by operating the air mattress.
- **Do not use the air mattress in an environment where combustible anesthetic gases and high-concentration oxygen may be present.**
 - There is a risk of explosion or fire.
- **Inspect the air mattress and pump regularly (see p. 20).**
 - For maintain basic safety and essential performance in regards to EMC, the pump have an expected service life of two years. To maintain the condition of the pump, have the pump serviced regularly according to the schedule recommended. Do not use unapproved accessories or attempt to modify, disassemble or otherwise misuse the pump.
 - The product will exhibit wear and deterioration depending on the frequency of use and the environment. Regularly inspect the operation in each mode and for the presence of damage, etc. The continued use of an air mattress in a worn/deteriorated condition may result in unexpected injury.
- **When transferring a bed, disconnect the power plug from the outlet.**
 - If the bed is transferred with the power plug connected to the outlet, there is a risk that the power plug and cable may be damaged or disconnected, causing electric shock or fire.
- **Keep the air mattress away from fire or other sources of heat.**
 - Do not use thermal appliances such as heaters near the air mattress. Otherwise, the air mattress may be damaged or deformed, or even catch fire.
- **Do not use a mobile phone or other wireless devices in the vicinity of the bed (air mattress).**
 - Doing so may cause the air mattress to malfunction.
 - If a mobile phone or other wireless devices must be used in the vicinity of the air mattress, use the mobile phone or other wireless devices at a distance of at least 30 cm from the pump.

PROHIBITED

- **Do not allow the air mattress to be operated by a person deemed incapable of understanding mattress operation (a child aged 12 or under or a person with dementia).**
 - Do not allow the pump to be operated by a person who is deemed incapable of comprehending the operation, as there is a risk of unexpected injury such as the body getting caught in the gap between the air mattress and the bed or bed-side rails, or a risk of bedsores caused by an inability to disperse body pressure effectively.
When a child aged 12 or older uses the air mattress, confirm a child have received at least 8 years of education experience in your country.
- **Do not attempt to repair or modify the product yourself.**
 - Doing so could cause unexpected injury or damage.
- **Do not place the air mattress in a strong electromagnetic environment such as MRI.**
 - The air mattress may malfunction or fail to work.
 - Medical electrical equipment needs special precautions regarding EMC and needs to be installed according to the EMC information provided.
- **The air mattress shall not be applied to patients suffering from unstable fractures, gross edema, burns or an intolerance to motion.**
 - Depending on the user's medical condition, the user's medical condition could worsen by operating the air mattress.

3 SAFETY PRECAUTIONS

CAUTION

- **Pay attention to the following items to make the best use of excellent body pressure dispersion.**
 - Consult with an expert to prevent bedsores. Bedsores cannot be prevented by this air mattress alone. Full body control (such as nutritional status control or underlying disease control) is required. Consult with an expert, such as a doctor, nurse, or care counselor to prevent bedsores.
 - This air mattress is one of the tools for generally caring for bedsores. This does not eliminate the need of posture change. Provide care such as changing posture in conjunction with using this air mattress.
 - Ensure the pump is used with stable power or in connection with UPS.
- **Do not drop the air mattress.**
 - The coupling could be damaged.
- **Do not use the air mattress while the fastener of the cover is opened.**
 - If moisture enters from the opened fastener, mold may develop.
- **Never use the air mattress if the cover or padding is stained or damaged.**
 - Infectious disease may be caused by dirt such as feces or blood stains.
 - If the air mattress is used while the cover is damaged, or if feces or blood stains are left as is, they can infiltrate into the inside of the air mattress, possibly causing infectious disease. If feces or blood stains get on the surface, immediately wipe them off.
 - When the cover is stained, perform wiping, disinfection, and cleaning according to "1. Maintenance" on p. 17 to p. 19.
 - If the cover is damaged, replace it with a new one. For the replacement procedure, contact your distributor (see "Contact Information" on p. 33).
 - If the inside of the air mattress is stained or damaged, contact your distributor (see "Contact Information" on the p. 33).
- **Keep the cord away from heated surfaces and anywhere hard to unplug with the device like on the shelves, in a wardrobe or the socket on the ceiling.**
 - This may cause damage and deformation.
- **When using suitable products directly attached to the air mattress such as the pump, use products suitable for the air mattress specified by Paramount Bed.**
 - This may cause damage and deformation.
- **Do not operate the air mattress while an object is placed on it.**
 - The object may fall from the air mattress, possibly causing damage.
- **The air mattress cannot be cleaned with a mattress cleaning machine, ozone sterilizer, autoclave, or washing machine.**
 - The air mattress or cleaning/sterilizing equipment could be altered, damaged, or deteriorated.
- **Do not directly put items having a cooling function such as an ice pack or refrigerant on the air mattress.**
 - If the air mattress is exposed to a sudden temperature change, condensation could occur inside. The cover or the inside of the air mattress could deteriorate due to condensation.
- **Do not apply a spray-type insecticide directly on the air mattress.**
 - There is a risk that solvents in the insecticide could damage, discolor, or dissolve the resin parts of the pump, etc. Furthermore, damaged or dissolved parts could cause accidental injury.
- **Do not use outdoors, operate where aerosol (spray) products are being used or where oxygen / any flammable gases (such as Anesthetic Agents) are being administered.**
 - There is a risk that solvents in the insecticide could damage, discolor, or dissolve the resin parts of the pump, etc. Furthermore, damaged or dissolved parts could cause accidental injury.
- **Do not forcibly bend the inflated air mattress.**
 - This may cause damage and deformation.
- **Do not touch the surface of the air mattress with sharp objects such as a needle, or do not use the air mattress with a sharp object in your pocket.**
 - Air cells inside the air mattress may be damaged.
- **Never use the air mattress if the cover is dirty with stains such as sebum.**
 - The surface of the cover may deteriorate.
- **Use the air mattress covered with a bed sheet.**
 - The surface of the cover may deteriorate.

4 FUNCTIONS

■ This air mattress has the following functions and setting modes, and, for example, the internal pressure of the air cells can be changed.



● For how to operate each function and how to switch modes, see p. 15.

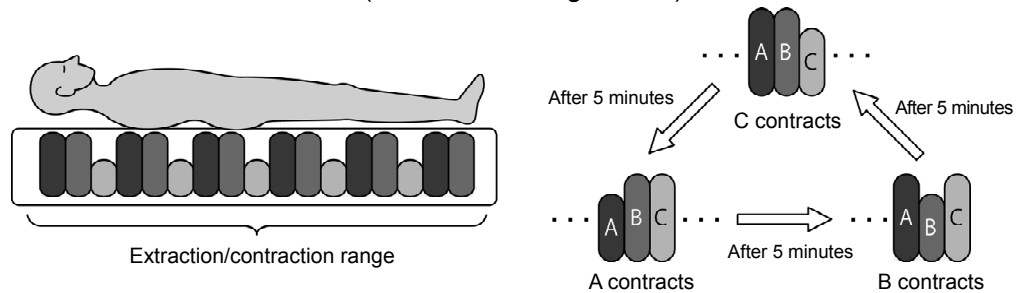
① Hardness adjustment function

● The internal pressure of the air mattress can be adjusted in five steps.

② Alternate pressure function

● Sets of three air cells alternately expand and contract repeatedly and release the pressure on the body sequentially.

* ON/OFF can be switched. (The initial setting is OFF)

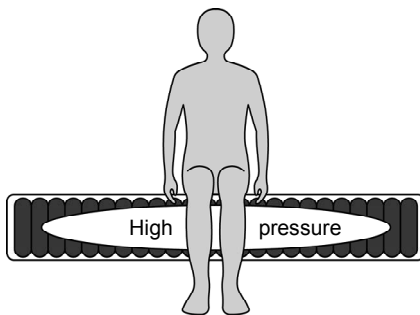


③ Max inflate mode

● Increase the internal pressure of the air cells to make it easy to get on and off the bed, take a sitting position, and change posture. (All air cells become the same internal pressure regardless of the hardness adjustment ① and alternate pressure ② settings.)

* ON/OFF can be switched. (The initial setting is OFF)

* When ON is set, the mode is set to OFF automatically after 60 minutes elapse.



WARNING

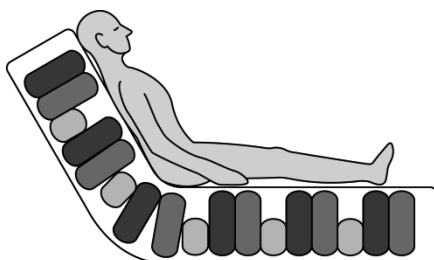
● Adjust the usage time according to the user's medical condition. If the internal pressure of the air cells continues to be higher than normal, the body pressure cannot be dispersed effectively, possibly causing bedsores.

④ Back-raised mode

● Increase the internal pressure of the air cells to suit the hardness adjustment to prevent the buttocks from contacting the bottom.

* ON/OFF can be switched. (The initial setting is OFF)

* When ON is set, the mode is set to OFF automatically after 120 minutes elapse.



WARNING

● Set the back-raised mode to ON at a back-raised angle of more than 30°. Furthermore, adjust the back-raised time according to the user's medical condition. If the internal pressure of the air cells continues to be higher than normal, the body pressure cannot be dispersed effectively, possibly causing bedsores.

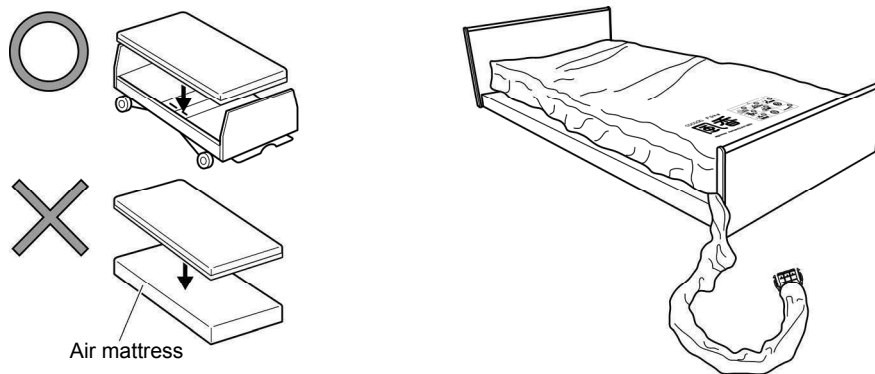
5 INSTALLATION

■ Use the following procedure to install the air mattress.

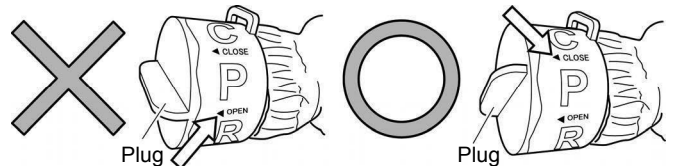
1. Installing the air mattress
2. Connecting the air mattress and pump
3. Installing pump
4. Laying power cable

1. Installing the air mattress

■ This air mattress is a body pressure dispersion mattress that is used as an alternative to general-purpose mattresses. Place it directly on the bed.

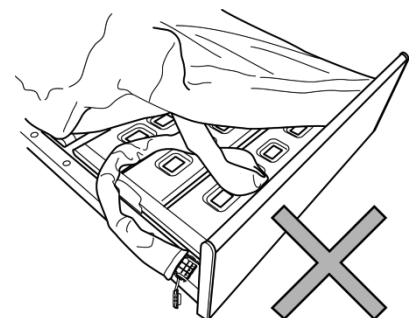


- When installing the air mattress, make the bottom of the bed flat and check that there are no obstacles on the bottom of the bed.
- When installing the air mattress on a bed with mattress stoppers (small) on the left and right of the bottom, make sure that the snap buttons do not overlap the air mattress stoppers (small) on the left and right of the bottom.
- This air mattress has a top, bottom, head end, and foot end. When installing the air mattress, make sure that the product logo faces up and the blowing tube is at the foot end of the user.
- Check that the CPR valve plug points to "CLOSE." If it points to "OPEN," turn the plug to the "CLOSE" position.



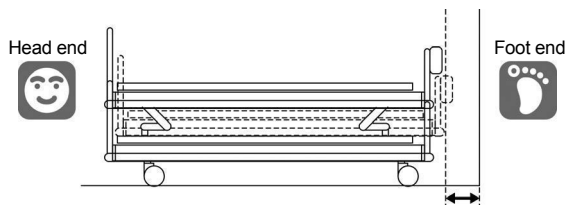
WARNING

- Place the air mattress directly on the bed and do not place anything other than sheets and mattress pads on the air mattress. The body pressure may not be dispersed effectively. In addition, when the thickness increases, it is easier for the user to roll over the bed side-rails, so the user could fall from the bed or a body part may get caught in the gap between the bed and bed-side rails, resulting in injury.
- Install the blowing tube at the foot end. If the blowing tube is installed at the head end, the neck may get caught in the blowing tube, resulting in injury.
- Do not allow the blowing tube to get under the air mattress. If the blowing tube is bent or compressed, bedsores may occur.
- Do not use the air mattress in an environment where combustible anesthetic gases and high-concentration oxygen may be present.
There is a risk of explosion or fire.





- Install the bed on which the air mattress is placed at the required distance from the wall at the foot end. The required distance is the value calculated by adding 11 cm to the distance specified in the instruction manual for the bed. When the pump is used by hooking it to the footboard, the main frame of the bed moves back and forth during bed height adjustment and the pump could hit the wall, resulting in damage to or deformation of the pump, wall, or floor.

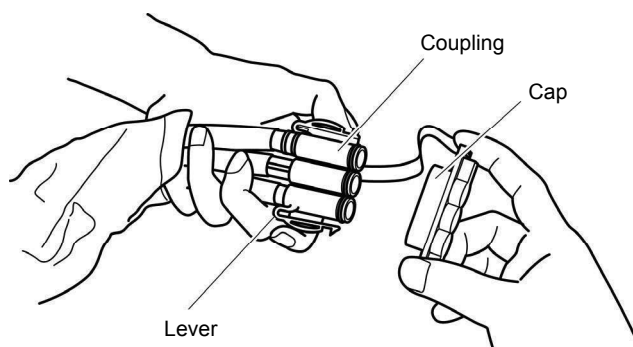


2. Connecting the air mattress and pump

- 1 Press the levers on both sides of the coupling inward and remove the cap with the other hand.



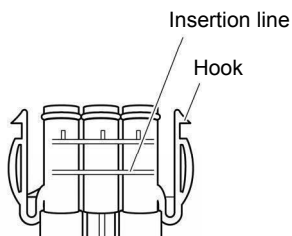
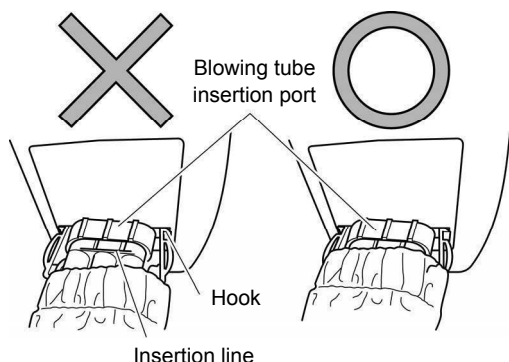
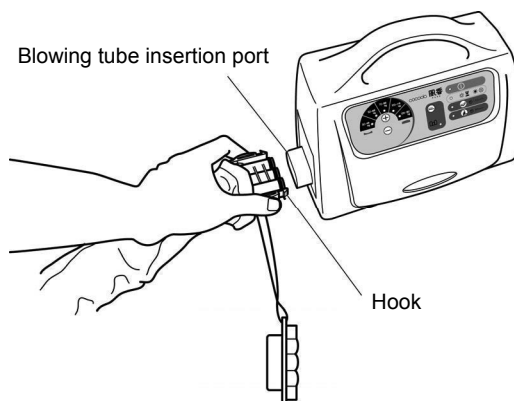
- Do not forcefully remove the cap.



- 2 Press the levers on both sides of the coupling inward from both sides and insert into the blowing tube insertion port of the pump.



- Insert until you hear a click. Check that both hooks on the left and right and the insertion line are inserted into the inside of the blowing tube insertion port.



- Check that the coupling of the blowing tube is connected properly. If it is not connected properly, air may not be supplied to the air mattress and the body pressure may not be dispersed effectively.



- When removing the coupling from the pump, press the levers on both sides of the coupling and pull the coupling out of the pump. If the coupling is pulled off while holding the blowing tube, the coupling and blowing tube may be damaged.

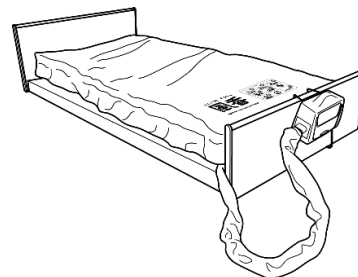
5 INSTALLATION

3. Installing pump

■ Attach the board hook of the pump to the footboard of the bed and secure it.

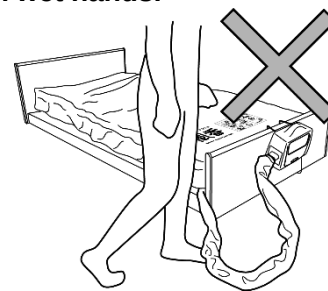


- If the pump is used with a bed where the hook cannot be attached to the footboard, install the pump in a horizontal stable location at the foot end where it won't get in the way.
* Install the pump where the blowing tube will not be pulled when the height of the bed is raised.
- If condensation is on the pump, wipe off the pump with a dry cloth and warm the pump up to the room temperature before use.



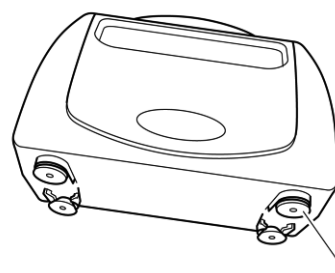
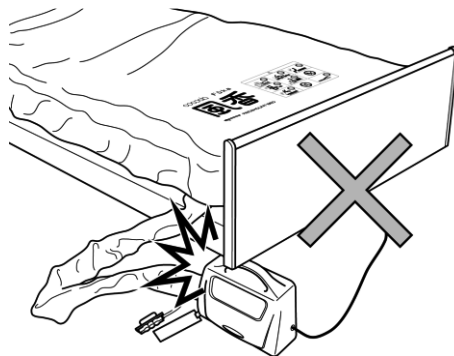
WARNING

- When handling the pump, do not hold the power cable, but hold the handle of the pump firmly. There is a risk of electric shock and fire due to disconnection.
- Take care when handling the pump. The air mattress may malfunction, causing injury or failure. In addition, there is a risk of electric shock or fire due to a short circuit.
 - Do not step on, press, or apply excessive force to the pump.
 - Do not drop the pump on the floor or hit it against the wall.
 - Do not forcefully pull the power cable.
 - Do not damage the pump.
 - Do not spill water on the pump or touch it with wet hands.
- When installing the pump, do not bend the blowing tube. Sufficient air may not be supplied, possibly causing bedsores.
- Take care when handling the blowing tube. There is a risk of injury due to falling or damage to the product.
 - Be careful not to trip over the blowing tube.
 - Do not step on or place an object on the blowing tube.
- Be careful not to get your neck caught in the cables or blowing tube. There is a risk of injury or suffocation.



CAUTION

- When installing the pump on the floor instead of hooking it to the footboard of a bed with a height adjustment function, be careful not to allow the pump to get caught between the frame of the bed and the floor. When the height of the bed is lowered, the pump may get caught between the frame and the floor, possibly causing damage to the pump.
- When placing the pump on the floor, lay a cloth or paper on the floor to prevent the leg rubber from directly contacting the floor material. When the leg rubber directly contacts the floor material, the floor material may discolor.



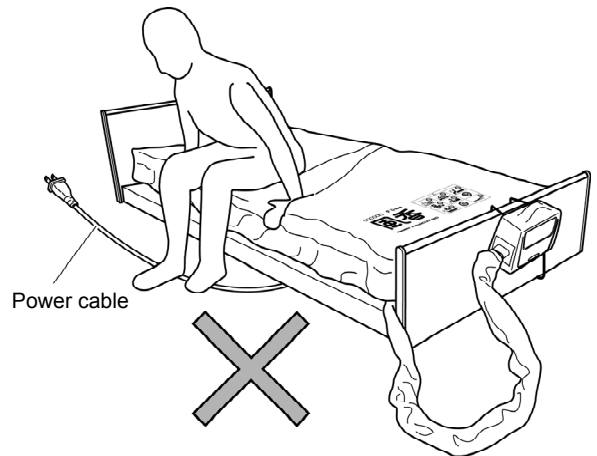
Leg rubber



- Do not allow the pump to come into direct contact anywhere other than the footboard of the bed. Vibration noise may be generated. Furthermore, avoid installing the pump at the head end. A slight operating noise may be audible.

4. Laying power cable

- 1 Raise the bed to the highest position.
- 2 Route the power cable on the side where the user does not get on or off the air mattress and the bed side table is not used.



WARNING

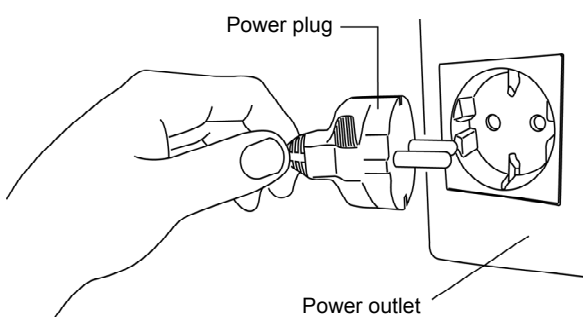
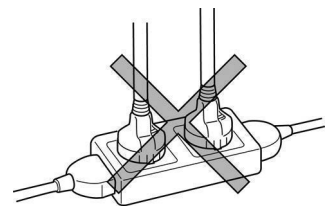
- Route the power cable on the side where the user does not get on or off the air mattress and the over bed table is not used. There is a risk of tripping over the power cable and falling over. There is also a risk that the power cable may be damaged, causing electric shock or fire.
- If the bed has a height adjustment function, route the power cable while the bed has been raised to the highest position. If the power cable is not routed at the highest position of the bed, the power cable may be pulled and disconnected when the bed is raised, possibly causing a fire.
- Do not route the power cable inside or under the bed. If the power cable get caught in the casters or the movable parts of the bed, the power cable may be damaged, possible causing electric shock or fire.

5. Connecting to the power supply



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.



- Each air mattress should be plugged into a separate, appropriately wired, single-phase power outlet of 240 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 air mattress from the power.



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

6 BEFORE USE

1. Operation panel part names of the pump and how to operate each function

■ The setting of each function of the air mattress (see p. 10) can be changed by pressing an operation button on the operation panel.

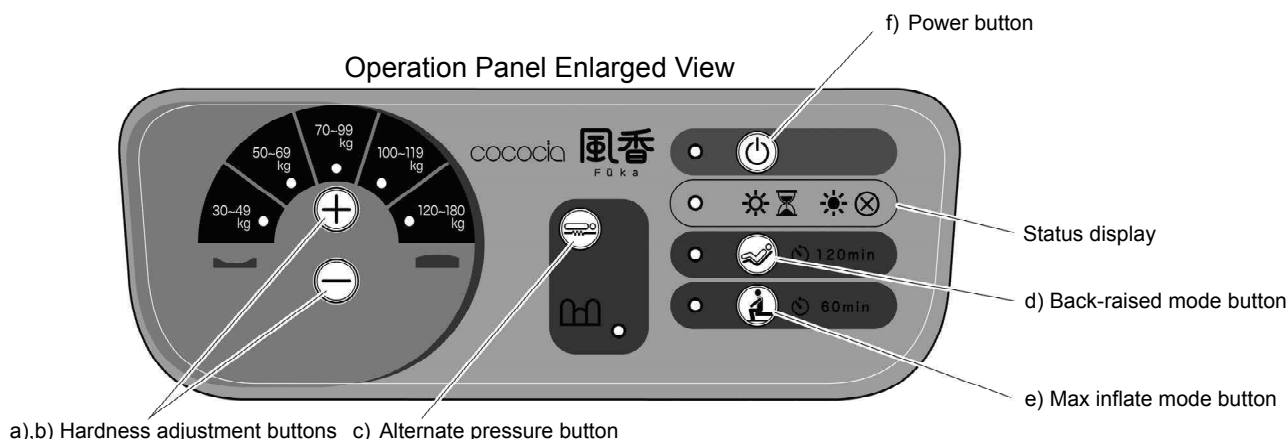
Operation buttons of the pump

There are the following six buttons on the operation panel.

- a) Hardness adjustment button plus
- b) Hardness adjustment button minus
- c) Alternate pressure button
- d) Back-raised mode button
- e) Max inflate mode button
- f) Power button

Each function can be set to ON/OFF or the hardness can be adjusted using each button, and the status is indicated by the LED.

Furthermore, if sufficient air is not present, the "Status display" lamp is on.



Pre-start operation

- ❶ Connect the power cable of the pump to the outlet and hold down the power button for two seconds.
The pump starts working and the air cells expand.
- ❷ Adjust the hardness of the air mattress according to the weight of the user.
Press the + button of the hardness adjustment buttons to increase the hardness and press the - button to decrease the hardness.
- ❸ If necessary, press the alternate pressure, back-raised mode, and max inflate mode buttons to set each function to ON/OFF.



- It takes 20 minutes to supply air by connecting the power cable of the pump to the outlet and holding down the power button.
- Adjust the hardness and set each function to ON/OFF according to the weight and body shape of the user, or the angles of the back and knee section bases of the bed.

2. How to lay the sheet

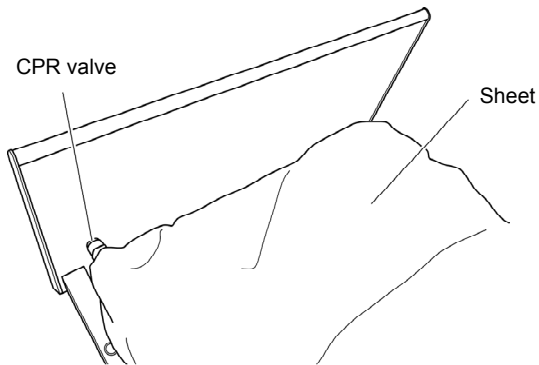
■ When the air mattress has expanded, lay a sheet and mattress pad.

Do not cover the CPR valve with a sheet, but store it between the headboard and the air mattress.



WARNING

● Do not cover the CPR valve with a sheet. The CPR function may not be able to be used quickly in case of emergency. (For the CPR function, see below.)



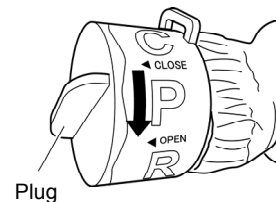
● When a heavily perspiring person uses the air mattress, provide sufficient ventilation and change posture as needed. Furthermore, replace and clean the sheets and mattress pads and perform daily maintenance of the air mattress frequently.

3. How to use the CPR function

■ Air can be discharged from the air mattress quickly by using the CPR function in case of emergency and cardiac massage can be started in 30 seconds.

* Air discharge time varies depending on the weight of the user and the setting of each function.

■ Hold the CPR valve at the head end of the air mattress (see the figure in 2. How to lay the sheet) and turn the plug from "CLOSE" to the "OPEN" position.

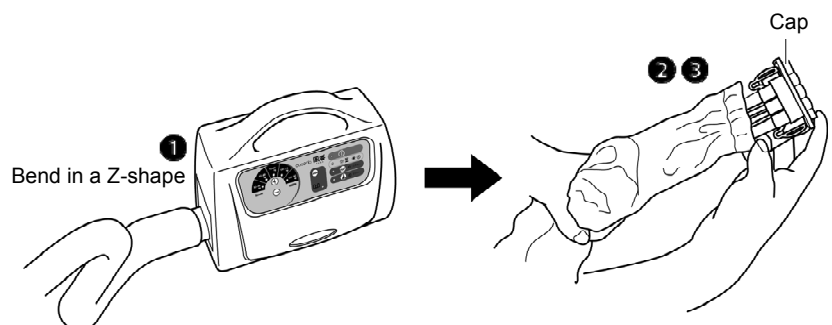


● When supplying air to the air mattress again after using the CPR function, turn the plug from "OPEN" to the "CLOSE" position.

4. Action in the event of power failure

■ When a power failure occurs, use the following procedure to remove the air mattress from the pump and attach the cap to the coupling to prevent air leakage.

- ① Bend the blowing tube tightly in a Z-shape to prevent air from being leaked from the air mattress and hold it firmly with a hand.
- ② Remove the coupling from the pump.
- ③ Attach the cap to the coupling.



- Air can be held for one month, but this period varies depending on the conditions of use. However, the depressurization effect and functions such as the alternate pressure for the air mattress do not work during power failure, so be careful about the user's condition.
- The settings before the power failure are maintained after power restoration.

7 MAINTENANCE AND INSPECTION

1. Maintenance

■ Clean the air mattress and pump once every two weeks.

 WARNING	● Always unplug the power plug before performing maintenance. Failure to do so may cause the air mattress to malfunction, possibly causing injury.
 CAUTION	● If the pump is removed from the air mattress for maintenance, be careful that water or other liquid does not enter the coupling and blowing tube insertion port. Attach the cap to the coupling. Entry of moisture into the pump and air cells may cause a failure and mold generation. ● After maintenance, check that the fasteners are closed properly. If the cover is removed for maintenance, close the two fasteners for the cover properly after maintenance. Entry of moisture from an open fastener may cause the padding (air cells, blowing tube, etc.) to deteriorate and mold generation. ● The air mattress cannot be cleaned with a mattress cleaning machine, ozone sterilizer, autoclave, or washing machine. The air mattress or cleaning/sterilizing equipment could be altered, damaged, or deteriorate.

Maintenance of the air mattress

[How to clean the cover]

■ When the cover of the air mattress is stained or the user will change, always clean the entire cover surface of the air mattress using the following steps (① to ④).

● Periodically clean and disinfect the air mattress.

- ① If there are any contaminants (blood, feces, etc.), remove them.
- ② Use soapy water (commercially available soap, such as neutral detergent diluted with water) to wipe the surface of the cover on the air mattress to remove stains.

 CAUTION	● Do not clean while the fastener is open. Doing so may cause the padding (air cells, blowing tube, etc.) to deteriorate and mold generation. When the fasteners are open, close it. ● If blood, urine, sebum, and other stains are present, use neutral detergent or soap to clean them and do not leave them. If such stains are left as is, the cover could deteriorate or develop an odor or permanent stain. · Odors adhering to the cover during use can be reduced using commercial mouthwash. · For stain removal, use oxydol (hydrogen peroxide water: 3% concentration). ● Do not use a volatile cleaning solution (such as paint thinner, benzene, or gasoline). Discoloration or deterioration could result.
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③ Use disinfectant to clean and disinfect the surface of the air mattress.

For disinfectant, use the following chemicals and observe the specified concentration. Also, use those disinfectants according to the handling method of each disinfectant.

0.02%	sodium hypochlorite
0.05% - 0.2%	benzalkonium chloride
0.05% - 0.2%	benzethonium chloride
0.05%	chlorhexidine gluconate

 CAUTION	● For disinfectant, do not use chemicals other than those listed above. Doing so could cause deterioration in the waterproof performance of the cover or discoloration.
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④ Naturally dry the air mattress on the bed, etc. Do not dry the cover in the sun.

[How to clean the top cover]

- ❶ Open the fasteners and remove the top cover from the bottom cover.
- ❷ Use soapy water (commercially available soap, such as neutral detergent diluted with water) to soak the cover to wash.
- ❸ Rinse with water until there is no residual detergent.
- ❹ Do not twist, but wring out gently without causing damage.
- ❺ Dry completely in a shaded area.
- ❻ Attach the top cover to the bottom cover and close the fasteners all the way.

[How to clean the air cells]

■ The air cells are covered with the cover and therefore do not need to be maintained frequently.



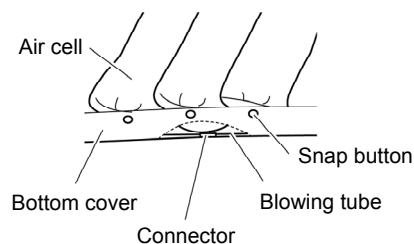
- When maintaining the air cells, do not separate each air cell from the air mattress.

- ❶ Remove the coupling from the pump and discharge air from the air cells.
- ❷ Remove the top cover.
- ❸ Clean the air cells by referring to "How to clean the cover" on p. 17.
- ❹ Naturally dry the air cells and then close the fasteners for the cover all the way.
- ❺ Connect the air mattress and pump (see p. 12).



CAUTION

- After maintenance, check that the snap buttons for the air cells and bottom cover are firmly snapped and the connector for the blowing tube is connected properly. Air may not be supplied.



7 MAINTENANCE AND INSPECTION

How to maintain the pump

[How to clean the pump]

■ Periodically maintain the pump. Always unplug the power plug before maintenance and use the following procedure.

- ① Remove contaminants, if any (blood, feces, etc.).
- ② Use soapy water (commercially available soap, such as neutral detergent diluted with water) to wipe the pump to remove stains.



CAUTION

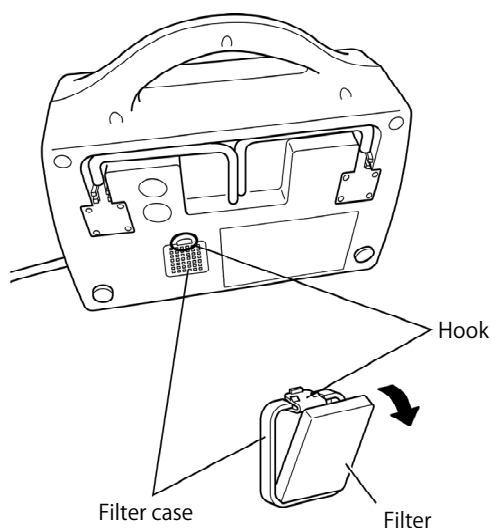
- Most of stains and odors such as blood, urine, sweat, and sebum can be removed using neutral detergent or soap, but if such stains are left as is, the pump could develop an odor or permanent stain. For stain removal, use oxydol (hydrogen peroxide water: 3% concentration).
- Do not use a volatile cleaning solution (such as paint thinner, benzene, or gasoline) or cresol. Discoloration or deterioration could result.

- ③ Use disinfectant to clean and disinfect the pump.

For disinfectant, use the following chemicals and observe the specified concentration. Also, use those disinfectants according to the handling method of each disinfectant.

- | | |
|-----------------|---------------------------------|
| ● 76.9% - 81.4% | Ethanol for disinfection |
| ● 70% | Isopropanol |
| ● 0.05% - 0.2% | benzalkonium chloride |
| ● 0.05% - 0.2% | benzethonium chloride |
| ● 0.05% | chlorhexidine gluconate |

Replacing the filter



■ Regularly inspect and replace the filter. Always unplug the power plug before inspection and replacement and use the following procedure.

- ① Press the hook of the filter case on the back of the pump and take out the case.
- ② Replace the filter.
* For the filter for cococia Fūka, contact your distributor (see "Contact Information" on p. 33).



- Replace a dirty filter with a new one.
* When the filter is used continuously, it is recommended to replace the filter once every year, but this period varies depending on the location and environment where it is used and how long it is used.



CAUTION

- Regularly inspect the filter. If the filter is clogged, it may not work properly.
- When replacing the filter, be sure to attach the specified "filter for cococia Fūka." If a filter other than specified is attached or no filter is attached, insects or dust may enter the inside of the pump, possibly causing malfunction. This also may cause failure.

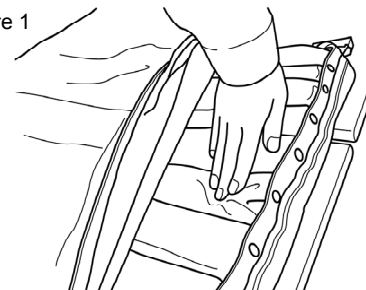
2. Inspection

Daily inspection

■ Perform daily inspection for use while paying attention to the following points.

Name	Inspection items	Check method
Air mattress	• Sinking extremely as shown in Figure 1. * When the alternate pressure function is set to ON, some air cells are sinking. * If the air mattress is sinking extremely, air cells may be damaged. Check the internal air cells, see "8 TROUBLESHOOTING" on p. 21 and p. 22, and take the necessary action.	Feeling of touch
Coupling	• Is it properly secured to the pump? * If not properly secured, see "Connecting mattress and pump" on p. 12 and connect the coupling to the pump again.	

Figure 1



Regular inspection

■ For safe use, inspect the parts at least once a year. The parts will exhibit wear and deterioration depending on the frequency of use and the environment. Regularly inspect the following items.

■ If you notice an irregularity or want a detailed inspection, contact your distributor (see "Contact Information" on p. 33).

Name	Inspection items	Check method
Cover	• Is it damaged?	Visual inspection
Air mattress	• Are the snap buttons attached together? • Are the blowing tubes and air cell connected? • Are the coupling and blowing tubes connected?	
Pump	• Is it damaged? • Is the filter dirty? * If the filter is dirty, see "Replacing the filter" on p. 19 and replace the filter.	
Coupling	• Is it damaged?	
Power cable	• Is it scratched or damaged? • Is it routed properly? * For how to lay the power cable, see "Laying power cable" on page 14.	

8 TROUBLESHOOTING



WARNING

- Do not attempt to repair or modify the product yourself. Doing so could cause unexpected injury or damage.

- Problems may not always indicate faults. Check the following once again before requesting repair.
- If the problem persists after checking and taking corrective action, or if the cause is unknown, stop using the air mattress immediately, disconnect the power plug from the outlet, and contact your distributor (see "Contact Information" on p. 33) for repair.

Symptoms and status	Check	Corrective action
Pump does not work	Is the power plug plugged into the outlet?	Insert the power plug into the outlet.
	Is the power lamp OFF?	Hold down the power button for two seconds.
	Has the fuse case loosed?	Tighten the fuse case.
	Has the fuse blown?	Replace the fuse.
The Preparing for Use lamp is on, or the air mattress does not expand	Is the filter clogged?	Replace the filter. Contact your distributor (see "Contact Information" on p. 33) for filter replacement.
	Is the coupling disconnected from the pump?	Insert the coupling into the blowing tube insertion port of the pump.
	Is the CPR valve set to "OPEN"?	Turn the plug of the CPR valve to the "CLOSE" position.
Air is not present in some air cells	Is the alternate pressure lamp ON?	Since the alternate pressure is set to ON, the air cells alternately expand and contract. This is not an error.
	Is there a hole in the air cells?	Air cells are damaged. Contact your distributor (see "Contact Information" on p. 33).
	Are the blowing tubes and the air cell disconnected?	Connect the blowing tubes and the air cell.
	Are the blowing tubes and the coupling disconnected?	Connect the blowing tubes and the coupling.
	Is the blowing tube bent?	Straighten the blowing tube.
Air cells do not alternately expand and contract	Is the alternate pressure lamp OFF?	To allow the air cells to alternately expand and contract, set the alternate pressure to ON.
	Is the max inflate mode lamp ON?	Air cells do not alternately expand and contract in the max inflate mode. This is not an error.
	Is there a hole in the air cells?	Air cells are damaged. Contact your distributor (see "Contact Information" on p. 33).
	Is the blowing tube bent?	Straighten the blowing tube.
	Is the power lamp OFF?	Hold down the power button for two seconds.

Symptoms and status	Check	Corrective action
Air mattress is too hard	Is the max inflate mode lamp ON?	Since the max inflate mode is set to ON, the internal pressure of the air mattress is high. When not necessary, set it to OFF.
	Is the back-raised mode lamp ON?	Since the back-raised mode is set to ON, the internal pressure of the air mattress is high. When not necessary, set it to OFF.
Pump runs and stops alternately	—	It is working properly. This is not an error.
Abnormal noise from the pump	Is the pump hooked onto a part that rattles?	Hook the pump onto a part that does not rattle, or place it.
Contacting the bottom	Is the back section base of the bed raised while the back-raised mode lamp is OFF?	When raising the back section base of the bed, set the back-raised mode to ON.
	Is the air mattress user a person with a bone projection, hump back, or lower limb contracture?	If a user with bone projection, hump back, or lower limb contracture contacts the bottom, use the + button to adjust the hardness and make sure that the user does not contact the bottom.
Abnormal odor	Do you perform maintenance regularly?	See "1. Maintenance" on p. 17 to p. 19 and perform maintenance.

9 LONG-TERM STORAGE, TRANSPORTATION, AND DISPOSAL

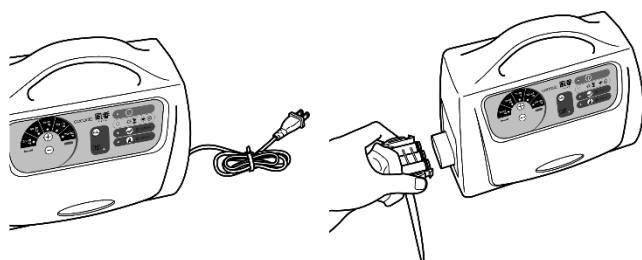
- When the air mattress will not be in use for an extended period of time, or when the air mattress will be packed and transported, pack the air mattress in a cardboard box and store or transport it according to the following "How to put away the air mattress."

[How to put away the air mattress]

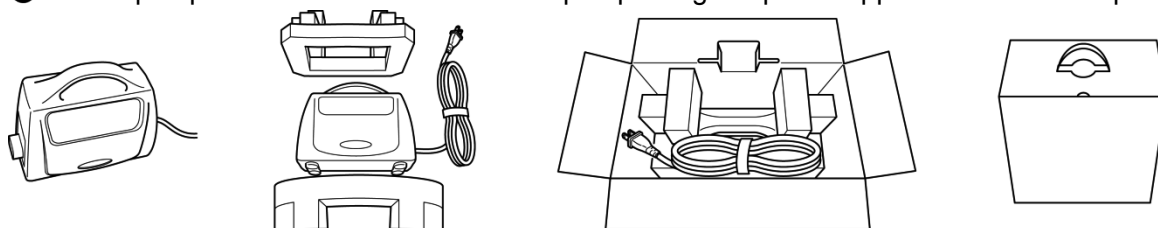
- ① Unplug the power plug from the outlet and secure the power cable with the supplied cable clamp. Press the levers on both sides of the coupling inward from both sides and remove the coupling from the pump.



- When removing the coupling from the pump, press the levers on both sides of the coupling and pull the coupling out of the pump. Do not pull the coupling while holding the blowing tube. The coupling and blowing tube may be damaged.



- ② Put the pump in the cardboard box for the pump using the pads supplied at the time of purchase.

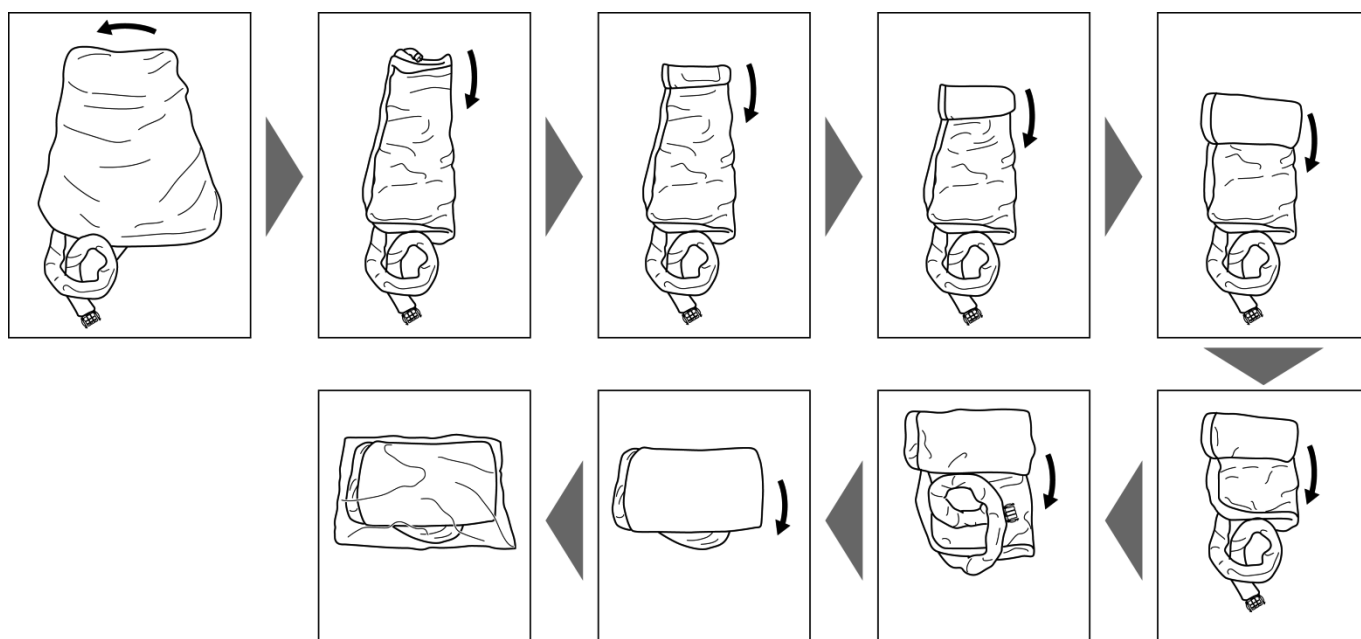


- ③ Roll the air mattress as shown in the figures below and put it in the vinyl bag supplied at the time of purchase.

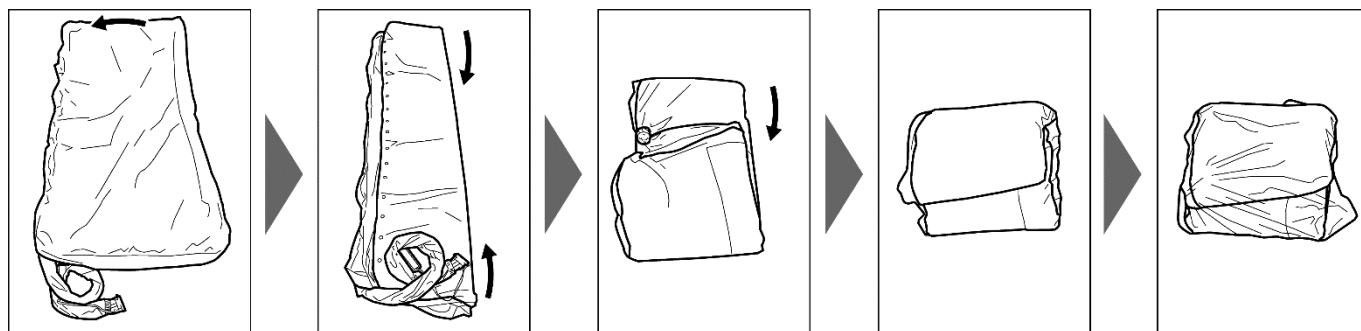


- Roll the blowing tube loosely without breaking it and wrap it in the cover. The blowing tube may be broken when it is rolled in a way other than specified.

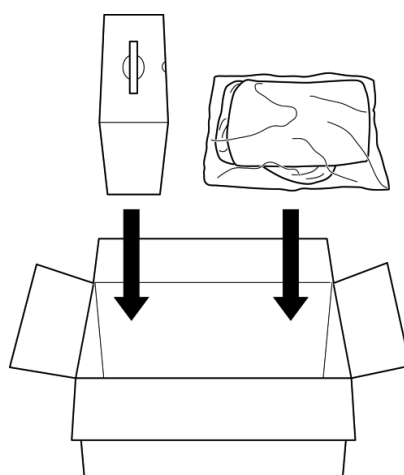
(For 13-cm thickness)



(For 15-cm thickness)



④ Put the pump in the cardboard box in ② and the air mattress in ③ in a cardboard box.



Note: There are pads in the case of the 15-cm thickness mattress. Also put them in the cardboard box when packing.



- Do not place heavy objects on the cardboard box.
- Do not store the cardboard box in a location subject to high temperatures or humidity, low temperatures, dryness, or excessive dust.
 - * Storage environment: Temperature 5°C to 60°C / Humidity 30% RH to 85% RH / Air pressure 800 hPa to 1060 hPa / Operational altitude ≤ 2 000 m.
 - * Transportation environment: Temperature 5°C to 60°C / Humidity 30% RH to 85% RH / Air pressure 800 hPa to 1060 hPa / Operational altitude ≤ 2 000 m.
 - * The padding (air cells, blowing tube, etc.) may be discolored but there will be no problem with product performance.
 - * If you notice an odor, leave the air mattress in a shaded area exposed to a good breeze for one day, or perform maintenance (see p. 17 to p. 19). This will help reduce the odor.
- Keep the instruction manual in a safe place so that it does not become lost.
- If air mattress and pump were stored at the lowest or highest temperature, a certain amount of time required to operate the air mattress again.



CAUTION

- Store the product within the specified storage temperature, humidity and air pressure ranges. Failure to do so may cause mold generation or a failure.

Disposal method



This product has been supplied from an environmentally aware manufacturer that complies with the WEEE. This product may contain substances that could be harmful to the environment if disposed in places (landfills) that are not appropriate according to the legislation. Please be environmentally responsible and recycle this product through your recycling facility at its end of life. Contact your distributor (see “Contact Information” on the p. 33) for any queries.

10 SPECIFICATIONS

■ Air mattress and pump

Product name			Air Mattress cococia Fūka								
Model No.			KE-951E	KE-953E	KE-961E	KE-963E	KE-958E	KE-959E	KE-968E	KE-969E	
			KE-951E2	KE-953E2	KE-961E2	KE-963E2	KE-958E2	KE-959E2	KE-968E2	KE-969E2	
			KE-951E3	KE-953E3	KE-961E3	KE-963E3	KE-958E3	KE-959E3	KE-968E3	KE-969E3	
Type of protection for electrical shock			Class II device								
Level of protection for electrical shock			Type BF applied part								
Protection code			IEC 60529 IP21								
Air mattress	Size (cm)	Width	91	83	91	83	86	91	86	91	
		Length	191				200				
		Thickness	13		15		13		15		
	Material	Top cover	Polyurethane, polyester (antibacterial, flame-resistant, and waterproof)								
		Bottom cover	Polyvinyl chloride, polyester (antibacterial, flame-resistant, and waterproof)								
		Blowing tube	PVC								
		Air cell	Nylon, polyurethane								
		Coupling	PBT resin								
	Number of air cells		17				18				
	Product weight (kg)		4.5	4.3	6.6	6.3	4.4	4.5	6.5	6.7	
Pump	Size (cm)	Width	25								
		Depth	11								
		Height	22								
	Material	Case	ABS resin (flame-resistant, chemical-resistant)								
	Power supply	Plus	2P								
		Length	4.6 m								
	Product weight (kg)		2.2								
Guaranteed conditions	Operating temperature/ humidity/air pressure		15 to 40°C / 30 to 75% RH / 800 hPa to 1060 hPa / Operational altitude ≤ 2 000 m								
	Storage temperature/ humidity/air pressure		5 to 60°C / 30 to 85 % RH / 800 hPa to 1060 hPa								
	Transportation temperature/ humidity/air pressure		5 to 60°C / 30 to 85 % RH / 800 hPa to 1060 hPa								
User's weight (kg)			30 to 180								
Power supply voltage / frequency			AC 100 - 240 V 50/60 Hz								
Max current			0.2 A-0.1 A								
Main fuse			1 A / 250 V								
Service life			2 years (based on Paramount Bed data), excluding consumable items.								

- Basic performance
Function for supporting the patient's body weight.
 - Frequently used functions
Hardness adjustment and alternate pressure function.
 - Applicable standards
The air mattress described in this instruction manual is designed and manufactured according to the following standards.
Applicable standards : IEC 60601-1:2005+AMD1:2012+AMD2:2020
: IEC 60601-1-2:2014+AMD1:2020
: IEC 60601-1-11:2015
: EN 60601-1:2006+A1:2013+A2:2021
: EN 60601-1-2:2015+A1:2021
: EN 60601-1-11:2015
- Classification as medical device in Europe: Class I

■ TECHNICAL EXPLANATION REGARDING EMC

Cococia Fūka special safety precautions related to EMC.

Install and operate the air mattress according to the following information.

Cococia Fūka requires special safety precautions regarding EMC to be observed.

Install, operate, and use the air mattress according to the information provided below.

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

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

- The function for supporting the user’s body weight may not be maintained.

No.	Cable	Maximum length [m]	Remarks
1	AC power cable	4.6	Non-Shielded

 WARNING	● If accessories, transducers, or cables other than those specified and sold by the manufacturers of Cococia Fūka are used as replacement parts for internal components, it may result in an increase in emission or a decline in immunity of Cococia Fūka. ● 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 Cococia Fūka. Using the RF communication devices within a distance of 30 cm may cause a decline in the performance of Cococia Fūka. ● Cococia Fūka cannot be used adjacent to another device or in a stacked state. If Cococia Fūka must be used adjacent to another device or in a stacked state, make sure Cococia Fūka operates appropriately at the location of use.
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Cococia Fūka 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 Cococia Fūka must ensure that Cococia Fūka is always used in this environment.

Due to its emission characteristics, Cococia Fūka 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 Emissions		
The pump for Cococia Fūka is intended for use in the electromagnetic environments (for home and professional healthcare) specified below. The customer or the user of the pump for Cococia Fūka must use it in such an environment.		
Emission Test	Compliance	Electromagnetic Environment - Guidance
RF emissions CISPR 11	Group 1	The pump for Cococia Fūka uses RF energy only for its internal functions. Therefore, its RF emission level is low and cause almost no interference with nearby electronic equipment. The pump for Cococia Fūka 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.
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ Flicker emissions IEC 61000-3-3	Complies	

10 SPECIFICATIONS

Guidance and Manufacturer's Declaration - Electromagnetic Immunity		
The pump for Cococia Fūka is intended for use in the electromagnetic environments (for home and professional healthcare) specified below. The customer or the user of the pump for Cococia Fūka must use it in such an environment.		
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	±2 kV power supply line ±1 kV for input/output line	±2 kV power supply line Not applicable
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 Not applicable
Voltage dips IEC 61000-4-11	0 % UT for 0.5 cycle (0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°) 0 % UT for 1 cycle and 70 % UT for 25/30 cycles Single-phase: 0°	0 % UT for 0.5 cycle (0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°) 0 % UT for 1 cycle and 70 % UT for 25/30 cycles Single-phase: 0°
Short-term power failure IEC 61000-4-11	0 % UT for 250/300 cycles	0 % UT for 250/300 cycles
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m
Proximity Magnetic Fields IEC 61000-4-39	134.2 kHz, 50% Pulse at 2.1 kHz, 65 A/m 13.56 MHz, 50% Pulse at 50 kHz, 7.5 A/m	134.2 kHz, 50% Pulse at 2.1 kHz, 65 A/m 13.56 MHz, 50% Pulse at 50 kHz, 7.5 A/m
Note: UT is the AC power supply voltage prior to application of the test level. * During DIP interference, the pump for Cococia Fūka will outage these normal. The cells connected with pump still have air inside which won't affect the use and function of the system. * During DIP, the pump for Cococia Fūka will show abnormal but won't affect essential performance and no need to worry the basic safety.		

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The pump for Cococia Fūka is intended for use in the electromagnetic environments (for home and professional healthcare) specified below. The customer or the user of the pump for Cococia Fūka 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	3 V 0.15 MHz to 80 MHz 6 V ISM bandwidth between 0.15MHz and 80 MHz 80 % amplitude modulation (1 kHz)	3 V 0.15 MHz to 80 MHz 6 V ISM bandwidth between 0.15MHz and 80 MHz 80 % amplitude modulation (1 kHz)	Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, must be less than the compliance level in each frequency range. Do not use the pump for Cococia Fūka and portable and mobile RF communication devices closer than the recommended distance that is calculated based on the formula applied to the frequency of transmitters.
Radioactive RF electromagnetic field IEC 61000-4-3	10 V/m 80 MHz to 2,7 GHz 80 % amplitude modulation (1 kHz)	10 V/m 80 MHz to 2,7 GHz 80 % amplitude modulation (1 kHz)	Recommended separation distance: $d = 1,2 \sqrt{P}$ $d = 1,2 \sqrt{P} \text{ 80 MHz to 800 MHz}$ $d = 2,3 \sqrt{P} \text{ 800 MHz to 2,7 GHz}$ Here, P is the maximum rated output (W) in watts of the transmitter as determined by the transmitter manufacture, and d is the recommended distance (m). Interference may occur in the vicinity of equipment marked with the following symbol: 

- 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 air mattress is used exceeds the applicable RF compliance level above, the air mattress should be observed to verify whether or not it is operating appropriately. Shall the device be used within one mile distance from AM, FM, or TV broadcast antennas, it needs to be installed according to the EMC information provided. If an abnormal operation is seen, take additional measures as needed, such as changing the location of use of the pump for Cococia Fūka.
- b. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Recommended separation distance between portable and mobile RF communications equipment and the pump for Cococia Fuka

The pump for Cococia Fūka is intended for use in an electromagnetic environment (for home and professional healthcare) in which radiated RF disturbances are controlled. The customer or the user of the pump for Cococia Fūka can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the pump for Cococia Fūka as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1,2 \sqrt{P}$	80 MHz to 800 MHz $d = 1,2 \sqrt{P}$	800 MHz to 2,7 GHz $d = 2,3 \sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where p is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

10 SPECIFICATIONS

Guidance and Manufacturer's Declaration — Electromagnetic Immunity

The pump for Cococia Fūka 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 pump for Cococia Fūka 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	FM ±5 kHz deviation 1 kHz sine	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						

Caution: If abnormal behavior is observed due to EM disturbances, please relocate the device accordingly.

Caution: Please do not use any other cables or accessories not approved by the manufacturer in this manual to avoid negative influence on electromagnetic compatibility.

11 SUITABLE PRODUCTS



WARNING

- For the bed or other products used in combination with the air mattress, use suitable products specified 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 damage to the air mattress.



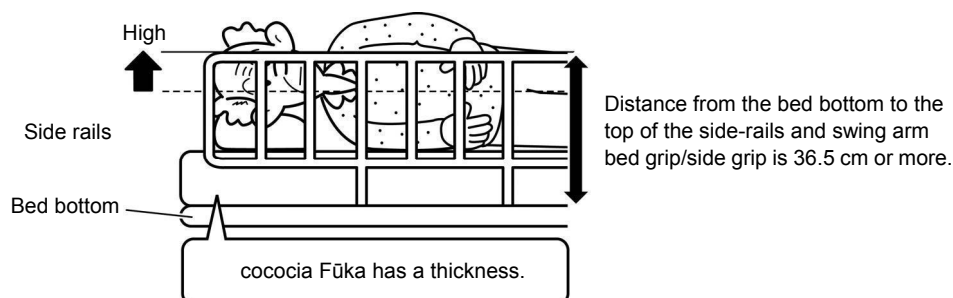
- For the suitable products, contact your distributor or Paramount Bed directly.

■ Bed

- Pediatric beds are not suitable.

■ Bed side-rails, swing arm bed grip/side grip

- For suitable products to be used in a combination, check the instruction manuals for beds, bed side-rails, and swing arm bed grips/side grips and Paramount Bed's catalogs and select suitable products that meet the following suitability standards.



- Suitable beds differ for the same bed side-rails and swing arm bed grip/side grip. Check the combination of your bed and the bed side-rails, and other products for suitability.

■ Overlay (KE-351, etc.: waterproof-type / ventilated type)

- Not suitable.

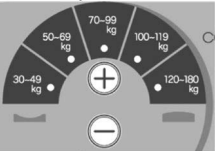
■ Side support

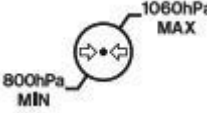
- Suitable installation varies depending on the bed to be used. Contact your distributor (see "Contact Information" on p. 33) for the installation method.

12 PRODUCT SYMBOL DEFINITIONS

Symbol	Description
	● CE mark
	● Indoor use
	● Electrical waste
	● Refer to the instruction manual
	● Type BF Protection against electronic shock.
	● Alternating current
IP21	● Protection code
	● Class II Equipment (Double Insulated)
	● Manufacturer * It may be called "Legal Manufacturer" or "Brand Owner" etc.
	● Made in Taiwan ● Date of manufacture (YYYY-MM-DD)
	● Caution - Consult accompanying documents
EC REP EU REP	● Authorized representative in the European Community *Either of the symbols is used
LOT	● Lot number
MD	● 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
UDI	● Unique Device Identifier

Symbol	Description
	● Be careful not to get a body part caught in the gaps between the bed-side rail, swing arm bed grip, or bed and the air mattress.
	● When using bed-side rails, be careful not to fall due to leaning forward from a bed-side rail.
	● When getting on or off the air mattress or taking a sitting position, be careful not to fall or topple over.
	● Be careful not to allow the power cable to be caught in the movable parts of the bed.
	● Do not route the power cable on the side where the user get on or off the air mattress and the side that a bed side table is used.
	● Keep away from fire and sources of heat.
	● Do not stand or jump on the air mattress.
	● Do not touch the surface of the air mattress with sharp objects such as a needle, or do not use the air mattress with a sharp object in your pocket.
	● Do not use the air mattress while the fasteners of the cover are opened.
	● 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.

Symbol	Description
	● Hardness setting +: Harden -: Soften * The displayed body weight is a reference value.
	● Alternate pressure function selection - Lit up: ON
	● Run/Standby button - Lit up: ON - Lit out: Standby
	● Status display lamp - Lit up: Please wait - Flashing: Please request for repair work
	● Back-raising mode selection (Turns off automatically in 120 minutes) - Lit up: ON
	● Max inflate mode selection (Turns off automatically in 60 minutes) - Lit up: ON

Symbol	Description
	● Humidity limitation
	● Temperature limitation
	● Atmosphere pressure limitation
	● Recycling (cardboard)
	● This side up
	● Keep dry
	● Stacking limit by seven
	● Do not hit the edges and corners of the cardboard box.

13 AFTER-SALES SERVICE

1. When requesting repairs

First check the items described in "8 TROUBLESHOOTING" on p. 21 and p. 22 in the instruction manual. If the problem persists, contact us (see "Contact Information" as shown below).

■ Details necessary when requesting repair

- Product name, product number, product ID (Pump back cover. See p. 3.)
- Date of purchase
- Details of the fault or problem (please provide as much detail as possible)
- Your name, organization, address, and phone number

2. Minimum stock availability period

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

3. Questions regarding after-sales service

Contact us (see "Contact Information" as shown below).

AIR MATTRESS DISPOSAL

When the air mattress has reached the end of its usable life, discard it according to local standards.

CONTACT INFORMATION

For any queries, contact to the address or telephone number listed below.



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