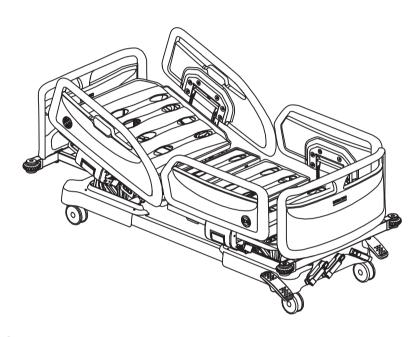


# Instruction manual

9501140006

# iBed .Manual Medical Bed

Y02W2 Y12W2



#### **Preface**

Thank you for your purchase of our products.

- Carefully read this manual before use and ensure you thoroughly understand all safety information and precautions.
- The correct operating procedures should be explained not only to the persons using the foot spacer but also to caregivers.
- If there is a value for range of motion, size, angle, weight, etc., the value may be inaccurate. In addition to the special instructions, the words "about" and "approximately" have been omitted from the "instruction manual" for ease of reading.
- After reading through this manual, store it in a place that can be easily accessed for later reference.
- For any questions, please feel free to contact us directly.

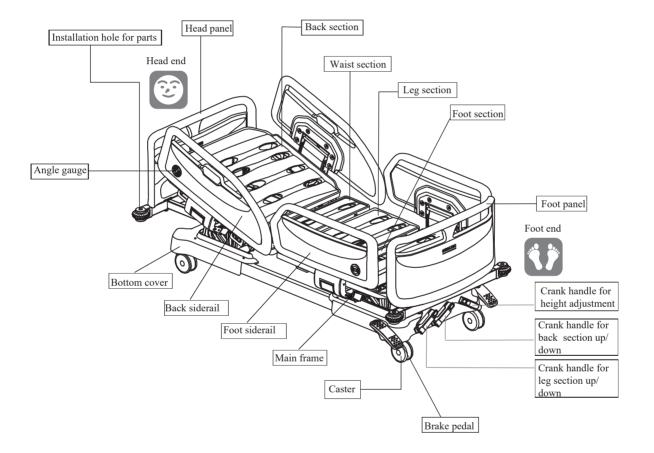
		Page
1	Intended Use/Parts Names	2
2	Safety Precautions	3
3	Specification	11
4	Placement Environment of Bed	12
5	Disassembly Method of Package	13
6	Confirmation of Parts	14
7	Bed Usage Method	15
8	Daily Maintenance	26
9	Long-term Storage	27
10	Troubleshooting	28
11	Symbol Description 2	29
12	Appendix	31

#### Intended Use

■ This product is designed for hospital, nursing home and general ward as nursing equipment for patient and care equipment for the elderly.

### Part Names (bed body)

\*The following figure illustrates a caster-mounted triple-rotatable bed.



- ■Be sure to read these safety precautions before use.
- Precautions

For your safety and that of others, safety precautions are classified into caution, warning and prohibition depending on degree of possible hazard. Compliance must be made.

<b>A</b> Caution	means possible physical damage or personal injury if used improperly.
₩arning	means possible endangering of personal safety if used improperly.
Prohibition	means action to be prohibited.

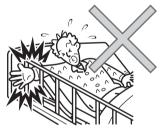
\* After reading this instruction manual, store it in a place that can be easily accessed for later reference.

# 🛕 Warning

Be careful not to allow head or neck to enter the gap between the siderail, head or foot panel and other areas.



- When the head or neck enters the gap, the patient might not be able to withdraw, and there is a risk of injury.
- Pay special attention to patients who cannot control their posture.
- Use siderail to prevent patient from falling off the bed.
  - Patient may be injured if falling out of bed.
  - •Use siderail especially when transferring patient.
- Pay close attention to prevent fall from siderail, sideboard, etc.
  - Injury may occur when falling through any gap of sideboard and siderail or due to sticking body out of the siderail.
- Please do not stick head, hand or foot out of the bed.



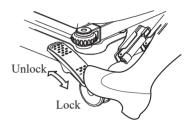
- •When operating bed and siderail, patient may be pinched and injured by part in operation.
- ■Do not crawl under the bed or put head, hand or foot under the bed.



- Doing so could cause body parts to be caught between the movable parts, the bed frame or the side rails, possibly causing injury. Before operation, check for and detach any obstructions around the bed.
- Do not insert hand or foot into the gap between the lying surface and head panel, foot panel, or siderail.
  - There is a risk of injury if patient try to insert hand or foot into the narrow gap and are unable to remove it.

# / Warning

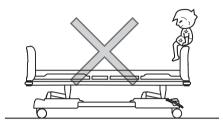
■Please lock the casters securely when not moving the bed.



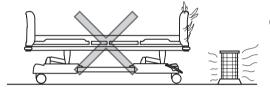
- •Unexpected injuries may occur if patient gets on or off when bed is moved. Example: falling.
- Please pay attention to the patient's condition when adjusting the angle of lying surface.
  - Patient may fall off bed and get injured when moving during adjustment of lying surface angle.
  - Especially in case of patients unable to maintain their own position, always keep an eye on such patients when operating the back and knee section. Injury may occur if falling off bed or being stuck in gap between siderail and side board.
  - If back or knee section is raised excessively, patient's abdomen may be oppressed and injured.
- Please use according to the patient's symptoms.
  - According to the patient's symptoms, there is also a possibility that the symptoms may worsen due to bed operation. In cases where the patient or family members need to operate directly, the doctor or caregiver should provide a thorough explanation of the "Instruction Manual" that is suitable for the symptoms before allowing them to use

# **A** Caution

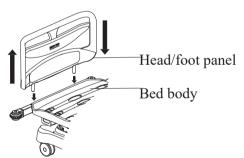
■Do not sit on siderail, head or foot panel.



- ●Doing so could cause the patient to fall off the bed, or deform or damage the bed, possibly causing injury.
- ■Keep away from fire.



- Do not use heater and heating appliances near the bed as it can lead to accidents such as spoilage, deformation, or fire hazards.
- ■Please ensure the surroundings are clear when operating the bed.
  - •Due to operation of bed, nearby objects may be damaged, resulting in deformation or breakage of the bed.
- Fixation part for head and foot panel must be installed in place.



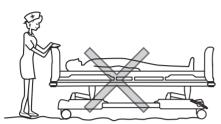
- In the case of incomplete installation, there is a possibility of unexpected detachment and potential injuries such as falling when moving the bed by pushing or pulling the headboard/footboard.
- ■Adjustment of the foot section angle is done manually.



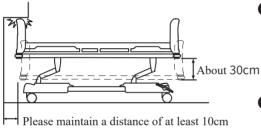
There is a possibility of getting hands or other body parts trapped and injured between the foot section and the main frame.

# Caution

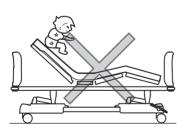
Please avoid moving on uneven floors.



- Causes of deformation, breakage and failure of the bed. In the case of having to move should be moved as slowly as possible.
- Please be mindful of the walls and columns when adjusting the height.(Height adjustable beds)



- During the height adjustment operation, the bed can be moved up or down by about 30cm and back and forth by about 5cm. When using it, please ensure that adjustment of bed is free from collision with wall or column.
- Bed must be placed at least 10cm away from the wall.
- Do not sit on lying surface that is ascending.



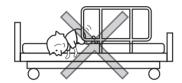
- The main cause of deformation and damage of lying surface is excessive force exerted on the supporting parts of the bed board.
- When moving bed, avoid contact between bed (including siderail) and peripheral objects.
  - ■Both the bed and peripheral objects may potentially deform or be damaged.

# **!** Caution

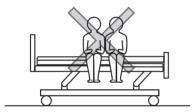
- When cleaning and maintaining bed, please pay attention to the corners, edges and screws of the frame.
  - There is a risk of injury to hands, etc.
- Do not apply spray-type pesticides directly to bed.
  - The solvent contained in the insecticide is different and may cause breakage and discoloration of the caster and other resin parts.
- Please be sure to inspect and repair damaged bed.
  - Bed damaged in earthquake, fire, flood or other incidents must be inspected and repaired by your distributor. The deformation of bed may cause injury due to abnormal movement.

# Prohibition

- Do not allow children or anyone who cannot understand operating procedures to operate the bed.
  - •Do not allow children or anyone who cannot understand the operation (people with dementia, etc.) to use the handle. Mishandling may cause injury.
- Do not use the bed for infants or small children.



- Infants or small children may fall from the gap between the siderails, etc
- Do not use bed by more than two people at the same time.

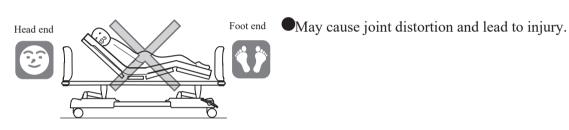


- This bed is designed for use by 1 patient; when used by more than 2 patients, it may be damaged and cause injury.
- Do not use in combination with items other than those specified.
  - The siderails and mattress to be installed directly on the bed should use specified suitable products. If the product is used in combination with other than those specified, it will cause a burden to the bed and may cause injury and failure.
- Do not install strapping.
- ■Body may be entangled during back/knee section up operation; injury may occur, bed may break or deform.

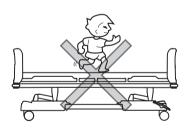


### **Prohibition**

- ■Do not disassemble or repair the product yourself.
  - Causes abnormal movements that may result in injury.
- Use in correct direction.
- ■Bed movement may cause injury when Lying on the bed in the opposite direction
- ■Do not make angle adjustment in shock or side-lying position.



■Do not jump on the bed.



• May fall from bed and get injured.

	Product name		Manual Medical Bed		
	Main specification		Doble-rotatable bed	Triple-rotatable bed	
	Model		Y02W2	Y12W2	
	Lying surface width (mm)		850		
	Lying surface length (mm)		1950		
	Bed body width (mm)		1020		
	Bed body length (mm)		2190		
Bed body	ovement ra	Adjustable height range (mm)	500	450~750	
		Back section inclination range	0° ~ 70°		
		Leg section inclination range	0° ~4	0° ~40°	
	Product weight		120kg	130kg	
	Safe working load *		170kg		
	or	Bed exist			
	Monitor	Siderail state			
	Ĭ	Caster brake state			

erial	Head panel/foot panel/lying surface	Metal/resin/wood
Mat	Frame	Metal products (epoxy resin/polyester resin coating)/resin formed products

- \* Safe movement load includes function selection parts
- \* It is recommended that maintenance be performed after 6 years of using for safety reasons

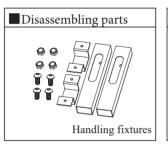
■Deployment place

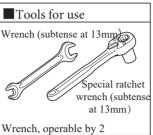
Improper placement may cause malfunction. Please avoid placing bed in the following places.

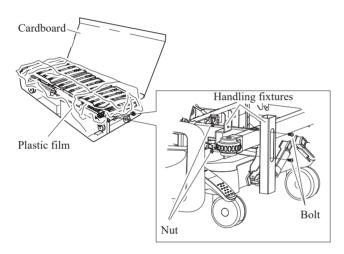
- •Location exposed to direct sunlight.
- Location near heat sources such as oven, heater, etc.
- •Location exposed to excessive water vapor and oil vapor
- •Location exposed to high temperature, high humidity, low temperature or excessive dryness.
- Location exposed to excessive dust, smoke, dirt, salt, sulfur, corrosive substances, etc.
- •Location with poor ventilation.
- •Location exposed to vibrations or shocks (including when it is handled).
- Locations where the floor is not even.
- Operating conditions
  - ●Temperature 10°C~40°C
  - Relative humidity 30%~75%
  - Atmospheric pressure: 700h Pa~1060h Pa
- Storage and transportation conditions
  - •Packed manual medical bed can be transported by general means, and should be placed lightly during transportation, Do throw, press and tumble the bed. Pay attention to keep it away from rain.
  - Packaged manual medical bed should be stored in rooms with temperature of -20°C∼55°C relative temperature ≤85%, no corrosive gas and good ventilation.
- Service life
  - •10 years under normal operating conditions.



- •Bed must be handled by more than 4 people, otherwise back and waist may be injured.
- When assembling, prevent hand from being pinched by parts.
- When assembling, be careful not to get hurt by the protruding parts of bed.

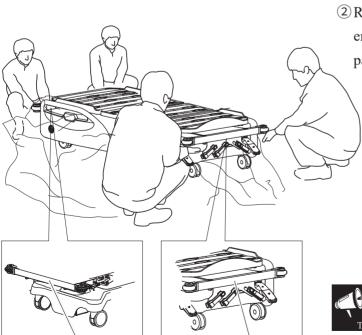






[Removal of handling fixtures]

1 Remove the cardboard on top of the main body and remove the handling fixtures attached to the head-end frame (in two places).



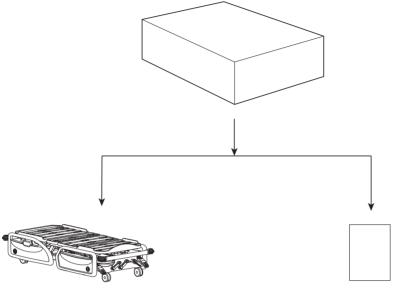
Best gripping part

2 Remove plastic film, grip bed frames at head end and foot end, and take bed body out of packing material.

- Support main frame as illustrated in the figure on the left.
- Bed body taken out must be placed onto cardboard, plastic film, etc. to avoid being scratched.

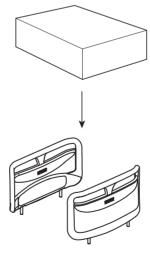
●After unpacking, confirm whether the following parts are complete without damage; in case of shortage or damage, please contact us immediately.





Accessories

Bed body×1



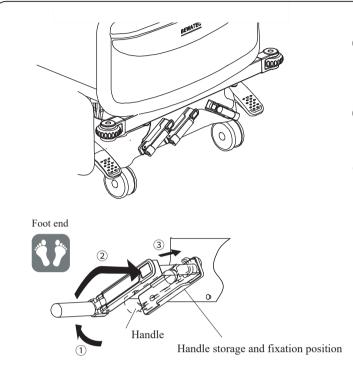
Head/foot panel



- •When assembling, prevent hand from being pinched by parts.
- When assembling, be careful not to get hurt by the protruding parts of bed.

1 Instruction manual

### 1. Storage of handle



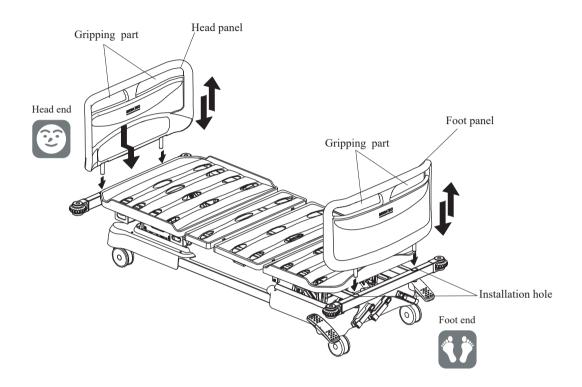
- ①Rotate the handle to the same angle as the fixation position (as shown in the figure).
- 2Fold the operating handle.
- 3) Push the folded handle into the storage and fixation position.



Properly store all handles.

### 2. Head panel and foot panel

■ Installation and disassembly of head and foot panel
(Depending on product series, head and foot panel may differ in design but are nonetheless for the same purpose.)



#### Installation method

①Hold the head/foot panel and align it with the installation holes. Insert it downward.



●Installation can be done whether fixing parts are in locked or unlocked status.

#### Disassembly method

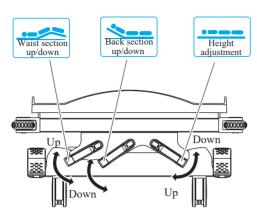
①Grasp the head/foot panel firmly and pull upwards with a little force.



Please ensure that the head and foot panel are installed in place.

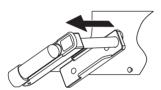
Otherwise, they may fall off and cause damage due to bed movement, etc.

### 3. Back section up/down, leg section up/down and height adjustment

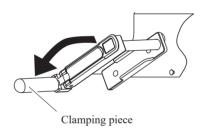




■Back/leg section up/down and height adjustment is achieved by operating the handle installed in foot section; rotate handle rightward for up, and leftward for down.



- 1) Maintain the position of the inclined part and slowly pull it towards you until it comes to a stop.
- ②Turn clamping piece to perpendicular position, grasp the clamping piece and turn the handle.





●After rotating the handle to its limit, if continue, you may hear a "click" sound. This is to prevent damage to the kit and the medical bed will no longer move.



Handle must be restored to original position after use. If it is pulled out, one may collide with or stumble over it and get injured.

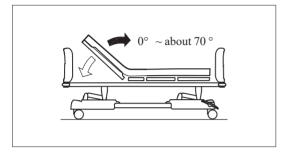


- Damage may occur if the handle is not pulled out completely before use. Please be sure to pull out the handle completely before use.
- •Do not step on the handle as it may cause malfunction or injury.
- •When operating the handle, please proceed step by step while confirming the patient's condition.

### 3. Movement description

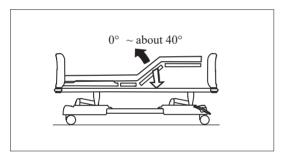
- The angle of the back and leg section lying surface, and overall height of the bed can be adjusted smoothly using the handle.
- The angle of the foot section lying surface can be manually adjusted using the foot section lying surface support frame. (The angle may vary depending on the type of bed.)

# Back section up/ down



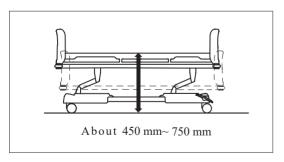
The angle of the back section lying surface can be adjusted from 0° to 70°.

# Leg section up/ down



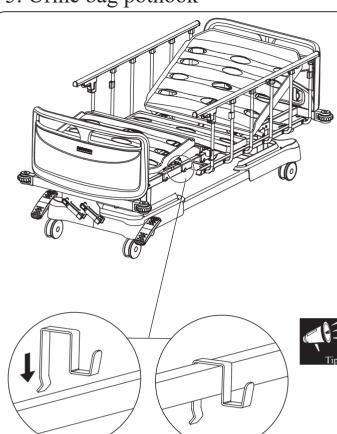
The angle of the knee section lying surface can be adjusted from 0° to 70°.

### Height adjustment



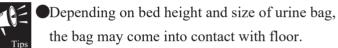
● The height from floor to bed can be adjusted between 450mm ~ 750mm.

### 5. Urine bag pothook



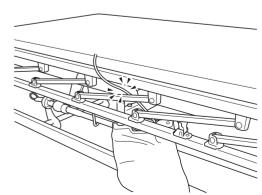
■Insert the installation hole or strap of the urine bag in the hanger section of the urine bag holder.

(The design of the urine bag holder may vary depending on the product series, but the purpose remains the same.)





- ●Do not hang objects over 3kg or put foot on the hanger, as it may cause deformation or damage to the bed body and the urine bag hanger.
- When hanging the urine bag, please follow the installation instructions provided with the specific urine bag you are using. Incorrect installation may result in the urine bag detaching and soiling the floor or surroundings.
- When hanging urine bag, prevent bag or hose from being stuck in bed, siderail, etc.



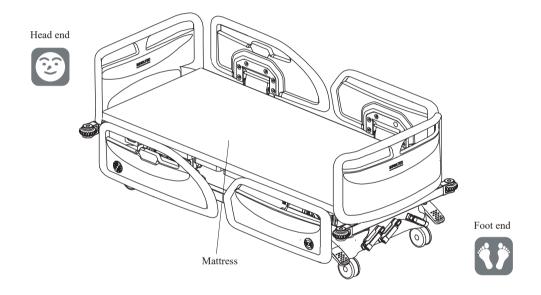
### 6. Mattress



●Do not let mattress cover lying surface stopper it may cause deformation or damage to the lying surface.

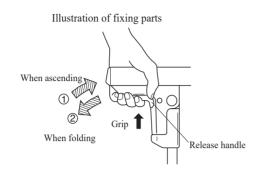


●Use bed and designated mattress in combination; non-designated mattress is unsuitable in size and bending direction, and it will burdens the bed which may cause malfunction.

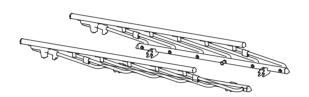


### 7. Siderail

#### Foldable siderail

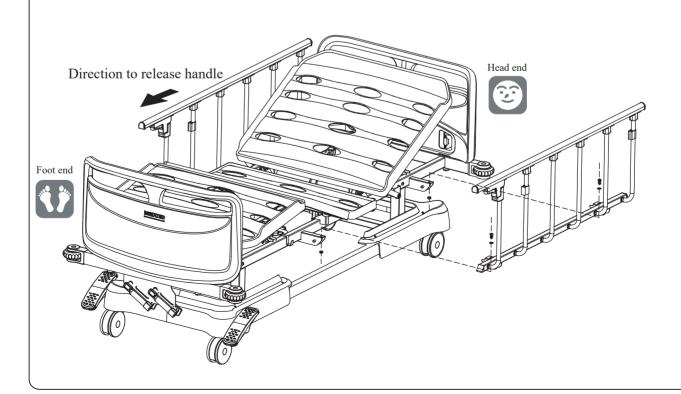


- ① As shown in the figure, please pay attention to the direction of releasing the handle and place the installation plate into the installation groove of the bed.
- 2 Tighten fixation bolt with wrench.
- 3 Please make sure that the siderails are securely fixed before use.



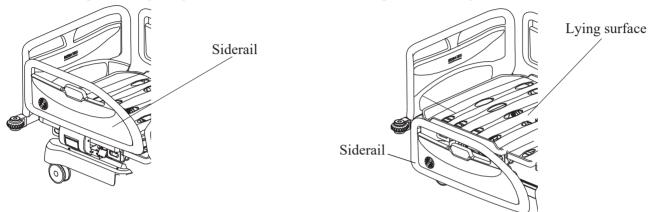
Part used: one bent siderail on both sides

■ Tool used ※ Tool to be provided by client. Hexagon wrench(5mm), wrench (13mm)



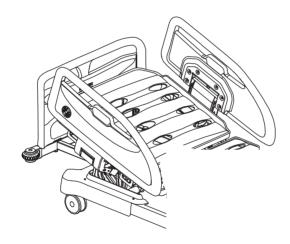
### American-style siderail

- The siderails at head end are installed on the lying surface. It follows the back side lying surface when the latter is raised and lowered to protect the patient's upper body to the maximum extent.
- When the siderail is not in use, it can be stored under the lying surface. Please store the guardrail when the patient is getting in and out of bed and when the patient is being examined and treated.



When using siderail

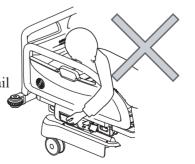
When opening siderail

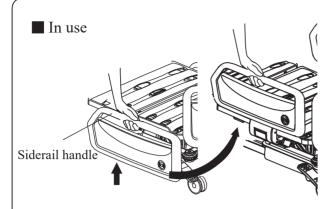


When using siderail (back section up)

- Do not operate the siderail on the inside of the bed, injury may occur
- ●Do not hang objects on the siderail, damage may occur
- When using a thicker mattress, the siderail will be relatively low. Do not cross the siderail
- Do not put foot on the siderail when it falls down as it may be damaged
- When using the guardrail, do not let the IV rod, drainage bag, etc. get caught in the gap between the siderail and the mattress, otherwise damage may occur



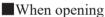


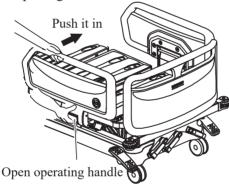


①Grasp the siderail handle and pull it upwards. When you hear a "click" sound, the installation is complete.

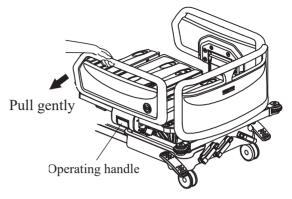


●The raised position of the handle indicates that it is not locked. Please make sure that the handle is not raised before use.





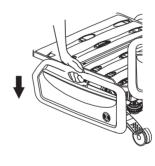
①Hold one hand on the siderail handle and the other hand on the operating handle, then pull outward.



②Gently pull the siderail outward to confirm if it is securely locked.



When locked, the handle should not be raised.



2) Please hold onto the siderail handle and lower it until the siderail is fully down.



- When using the siderail, please ensure that the operating handle is locked. If not, it may tilt or fall, leading to potential injury.
- ●When the siderail is not in use, do not place foo under the bed while adjusting the height or tilt angle of the bed as they may get trapped and cause injury.
- ●Do not wrench the operating handle of the siderail outside the case of siderail storage, which may lead to injury if accidentally wrenched.



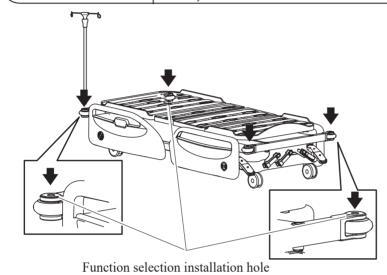
●Do not place any part of your body (head, hands, etc.) in the gaps between the siderial, lying surface, and mattress, as there is a risk of getting trapped and injured. When the back section of the bed is being raised, the siderail will move along. Do not operate the siderail at this moment to avoid potential malfunctions.

### 8. IV rod

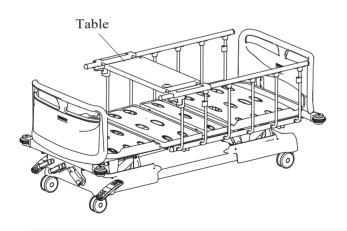
■Insert the IV rod into the function selection installation hole of bed for use.



- Do not use IV rod as support. When IV rod falls off or is broken, it may be overturned and cause injury.
- ■When using the IV rod, do not place hands or wrists between the lying surface, siderails, and the IV rod. There is a risk of getting trapped and injured.



#### 9. Table



■ Please install the table on the siderail of the bed for use.



Please carefully read the accompanying manual before installation and use.



Remove the table before back and leg section up/down. There is a risk of getting stuck or injured between the bed and moving parts.



- Securely embed the table into the siderail of bed. If not, there is a risk of it falling down and causing injury.
- Before setting up the table, please ensure that the siderail of the bed is locked
- •Please carefully read the accompanying manual for precautions regarding the use of table.

#### 10. Caster

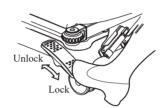


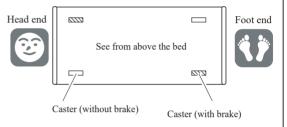
■Lock caster unless bed is moving. Because while patient is getting on or off bed, unexpected injury may occur due to bed movement.



- •When the caster is locked, do not step on the brake pedal too hard. Otherwise, it will cause damage to the caster.
- •When casters are in locked status, if forced to move the bed, the bed may fail.
- Operation of caster with diagonal brake fixating parts

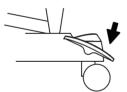
Step on the fixing part to position ② to unlock.
Step the fixing piece to the position ① to lock moving and rotation at the same time.



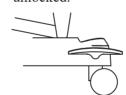


Diagonal style

- Central control caster
  - ①4-caster lock
    If step on the red pedal, the moving and rotation of all
    4 casters are locked.



②4-caster unlock If the red pedal returns to horizontal position, the moving and rotation of all 4 casters are unlocked.



- To prolong the service life of bed, inspect and perform maintenance at least once a year to check loosened bolts, and add lubricant to movable parts.
- Avoid exposing bed and mattress to moisture and humidity which will cause rust, abnormal sound and bacteria. If there is water, please wipe it off immediately.



●When cleaning and maintaining bed, please pay attention to the corners and edges of frame and screw part. There is a risk of injury to hands, etc.



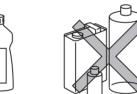
- Depending on the environment and condition of bed, deterioration may advance and damage may occur. If you find any difference during the maintenance, please stop using the bed immediately and ask your distributor or our company for repair.
- •Do not clean the bed with special cleaners used for beds.

#### ■Bed body

- When cleaning, wring out the cloth soaked in dilute water and neutral detergent solution to clean, and then wring out the cloth soaked in water to wipe out the residual detergent. Finally, please dry it with a dry cloth again.
- \*Do not use volatile substance (thinner, volatile agent, gasoline), which may cause corrosion and discoloration.

When using disinfectants, be sure to follow the specified concentration of disinfectant and use after dilution.





0. 05~0. 2% 0. 05~0. 2% 0. 05%

Ammonium chloride disinfectant solution Phenyl chloride disinfectant solution Bis-chlorobenzene biguanide ethane solution



- Depending on the disinfectant, corrosion of metal parts, discoloration, deformation, and cracking of resin parts may occur. Please use the disinfectant recommended above.
- Please confirm the ingredients in the disinfectant solution instructions before use.
- After disinfection, wipe off disinfectant solution.
- •After cleaning with methyl phenol, it may cause discoloration and deterioration of the decorative board of the head and foot panel.
- Not suitable for use of ozone sterilizer or autoclave sterilizer.
- Accessories

Lying surface extension

- Please maintain it the same as the bed body.
- Mattress and mattress for lying surface extension
  - Depending on the use condition and sweat produced, please dry the mattress in a ventilated and cool place every 2 to 4 weeks to remove moisture from the inside for more comfortable use (If the mattress has an instruction manual, please use it according to the manual.)

#### 1. Storage method

- ■When not in use for a long time, please note the following items.
  - 1. Adjust the back and knee sections to the horizontal position and height to the lowest position.
- 2. Do not put objects other than mattress on bed.
- 3. Do not put any objects on mattress.
- 4. Do not put bed in lace exposed to high temperature, high humidity, and excessive dust.
- 5. Do not lean bed vertically against wall. It should be put horizontally on the floor.

#### 2. Inspection before next use

- Before nest use, confirm the following items.
- 1. Whether back/knee section up/down and height adjustment are operable
- 2. Caster can be locked/unlocked
- 3. Siderail can be locked/unlocked (Only for those with siderail function)

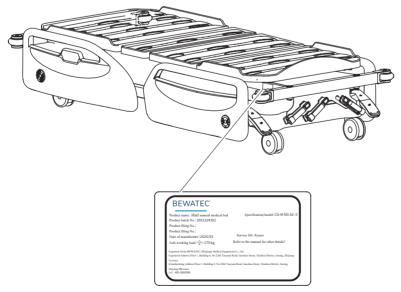
- Please confirm the following items again before requesting repair for there are cases that are not malfunctions.
- ■If it is confirmed that bed still does not operate properly afterwards, please stop using it immediately and ask for repair from the distributor or our company.
- ■In case of bed damaged in earthquake, fire, flood, etc., ask the distributor for inspection and repair.

Symptom	Symptom Confirmation		Reference page
Each position is not in place properly	•Whether there is obstacle at the place where you want to operate	•Remove obstacles	
•Lying surface opration inactive	•Whether the operation direction is correct	•Rotate operating handle backwards	18
Bed cannot be moved	●Is caster locked?	Ounlock caster	26

When requesting repair and consulting, please provide the number indicated on product identification label.

■Position of product identification label

Product identification label is affixed onto foot end of main frame and the inside of sideboard.



\* The figure illustrates a triple-rotatable bed

Symbols	Name and Description	Symbols	Name and Description
	Name: siderail operation prompt Description: for siderail down, open operating handle first, press siderail to unlock it.		Name: warning hand pinching Description: be careful not to let your fingers get caught in movable part of bed.
	Name: operating handle status correct prompt Description: confirm whether siderail is locked. This figure is the unlocked status.	*	Name: operating handle status error prompt Description: confirm whether siderail is locked. This figure is the unlocked status.
	Name: operator reminder Description: professionals are required to operate siderail.	**	Name: operator reminder Description: do not operate siderail on the inside of bed.
***	Name: operation safety reminder Description: do not place your body in the gap between the siderails.	( (	Name: CE mark Description: CE mark of approval.
	Name: indoor use Description: the product needs to be used indoors.	$\sim$	Name: AC power Description: connect to AC power.
	Name: electronic waste Description: electronic waste must not be thrown in the garbage, it needs special treatment.		Name: DC power Description: connect to DC power.
	Name: product pollution control mark Description: the product does not contain harmful substances specified by China.		Name: grounding Description: protect grounding terminal.
	Name: Read the manual prompt Description: Please read the instruction manual before operating the equipment.		

Symbols	Meaning	Symbols	Meaning
	Date of manufacture		Do not use if package is damaged
EC REP	Authorized representative in the European community	CE	CE mark
	manufacturer		Use-by date
LOT	Batch code	I	Fragile, handle with care
	Consult Instructions for use	*	Keep away from sunlight
Ť	Keep dry		Temperature limit
MD	Medical Device	À	Warning (users need to check the important warning information in the operating instructions)

#### 1. About repair

Please carefully go through the items listed in the instruction manual and confirm each one. If the product still cannot function properly after confirming, please contact us promptly.

- When contacting, please provide the following information:
- Product name and model
- Batch number, manufacture number indicated by product identification label
- Detail of malfunction
- Date of purchase
- Name of purchasing organization or name, address and phone number of contact person

#### 2. Part replacement

Due to product upgrading, it is possible that certain parts of the original product may not be available indefinitely. (Our company guarantees that we will provide the necessary replacement parts for the products sold for a period of 6 years after the production has ended.)

#### 3. After-sales service

If you have any questions, please call 400-998-0998

# **BEWATEC**®

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EC REP

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