

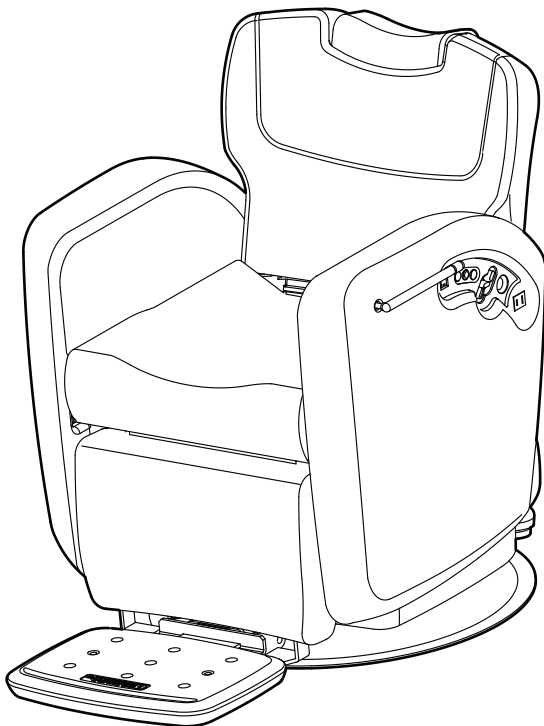
Takara Belmont Barber Chair

**TAKARA
BELMONT**

LUAR

Model No.: **AB-MF**

Operation Manual



Takara Belmont would like to thank you for purchasing this Takara Belmont product.

Be sure to read this instruction manual before operating the chair and always operate the chair properly according to the instructions herein.

Use of this chair without reading the instructions can result in accident or injury. This product is designed for commercial use in barber shops and beauty salons. Do not use this chair for any applications other than hairdressing/beauty-related procedures. Store this instruction manual in a secure location and refer to it whenever necessary.

Please contact Takara Belmont if this instruction manual becomes torn or otherwise damaged so that it is unreadable, or is lost.

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Explanation of Warning Labels

■ Before Use

Be sure to thoroughly read these warnings related to safety and operate the chair accordingly in a safe manner.



■ User Prohibitions of this Product

Only persons who are certified hairdressers or beauticians can be allowed to use this chair.










■ Warnings of this Manual

The warnings continued herein are in order to ensure safe use, and to prevent any injury to users and other persons, and to prevent any damage. All these warnings describe important items related to safety. Be sure to always obey all the warnings contained in this manual.

Takara Belmont has absolutely no responsibility for accidents that might be caused by failure to obey "Safety Precautions", "Use Precautions" and "Precautions Related to Synthetic (Natural) Leather" resulting in injury to users and other persons, or other damage. In such cases, the responsibility of any injury and damage lies solely with the user who fails to obey such precautions. A detailed explanation of the graphic symbols is provided below. Be sure that you fully understand their contents before reading the rest of this manual.

Warning Classification	Level of Danger and Damage, and Degree of Urgency
 WARNING	This indicates that failure to obey the corresponding warning and the resulting improper operation can result in death or serious injury.
 CAUTION	This indicates that failure to obey the corresponding warning and the resulting improper operation can result in mild injury, or moderate harm and damage.
NOTE	This indicates a recommended action that should be performed in order to ensure safety.

The following symbols are used to describe specific indications that you must obey.

Graphic Symbols for Warnings	Prohibited Action Symbol	Mandatory Action Symbol
 Indicates items related to general danger, warning or caution.	 Indicates generally prohibited actions.	 Indicates actions by general users that
 Indicates items related to fire precautions.	 Indicates that disassembly, repair and modification are prohibited.	 Indicates that the power plug must be removed from the socket.
 Indicates items related to breakage precautions.		 Indicates that a ground wire must be connected.
 Indicates items related to electric shock precautions.		

Safety Precautions (Must be Obeyed)

WARNING

● **Insert the chair power plug directly into an outlet by itself (do not share an outlet with other plugs).**



Use an unshared outlet that matches this product's rated voltage and current* and is equipped with ground terminal.

Using the same outlet together with the power plug of other devices can result in abnormal heat generation and possible fire.

* 110-240V AC (12 A or more)

● **Secure insert the power plug into the outlet.**



Be sure to fully insert the power plug into the outlet until reaching the base of the plug. Failure to fully insert the plug or similar fault can result in a short circuit or heat generation that causes a fire.

● **Be careful of power cord or plug breakage.**



Do not use any power cord or plug that is damaged, or that fits loosely when inserted into an outlet. Doing so can result in electric shock or fire.

● **Be careful to keep hands, fingers and other body parts of the customer and user from touching or getting close to moving parts.**



There is a danger of pinching and other physical injury.

● **Unplug the power plug when the chair is not in use.**



Turn off the power switch and remove the power plug from the outlet when the chair is not in use. Unexpected operation can result in an accident or fire from a short circuit due to insulation aging.



● **Hold by the power plug when unplugging.**



Do not pull the cord to remove the power plug from the socket. Hold by the power plug at the end of the cord when removing. Removing the plug by pulling the power cord can damage the power cord, resulting in electric shock or fire.



● **Securely connect to ground.**



Failure to make a ground connection can result in electric shock if there is a malfunction or short circuit. Consult an electrician for grounding procedures.



● **Do not stand on the edge of the step.**



Do not stand on the edge of the step. Doing so could cause the chair to tip over or the step could suddenly move, resulting in injury or damage.

● **Do not wash the chair by pouring water on it.**



Do not wash the chair by pouring water on it because this chair is an electrical device. Washing in such a manner can result in a malfunction or electric shock.

● **Do not sit on the backrest of the chair.**



Sitting on the backrest of the chair could cause it to tip over, resulting in injury or damage.

● **It is absolutely prohibited for any person other than qualified technical service personnel to disassemble or repair this chair.**



You must never attempt to repair or modify this chair by yourself. Doing so can result in electric shock during disassembly or repair, and an improper repair can cause a fire or abnormal operation that results in injury.

● **Do not ground the chair to the following types of locations.**



• Water Pipes

Complete grounding is not possible as hard plastic pipes are widely used.



• Gas Pipes













Connecting to gas pipes can result in an explosion or fire.



• Lightning rods and telephone lines

Safety Precautions (Must be Obeyed)

⚠ WARNING

 <p>● Do not use in an environment where there are electromagnetic interference waves. Using this chair in an environment where there are electromagnetic interference waves can cause faulty operation. Do not install the chair near equipment that generates electromagnetic waves such as communication equipment and elevators. Do not use devices that generate electromagnetic waves (such as mobile telephones) near this chair.</p>	 <p>● Installation precautions</p> <ul style="list-style-type: none"> • Installation of this chair must be performed by specialized personnel (personnel from Takara Belmont or indicated by Takara Belmont). • The chair must be installed on a perfectly flat and solid floor. • Installing the chair to a location with an angle of 5° or more can result in the chair tipping over.
 <p>● Precautions for the surrounding area during chair operation Before operating the chair and during operation, thoroughly check that there are no bodies or limbs of persons, or possible obstacles in the operating range of the chair (ranges of seat raising/lowering, backrest reclining/raising, legrest raising/lowering, and seat rotation) or nearby. There is a danger of body parts or obstacles being pinched by the chair, resulting in injury or damage.</p>	 <p>● Precautions when getting in and out of the chair Always be sure to lower the chair to the lowest position and lock the rotation when a customer is getting in or out of the chair. Be especially careful when moving a person in a wheelchair in and out of the chair, and make sure that the wheelchair is not positioned in the operating range of the chair when moving the person. Feet, casters or other parts contacting the foot switch will cause sudden operation of the chair, resulting in injury or damage.</p>
 <p>● Precautions when setting the preset positions Before and while setting the preset positions, thoroughly check that there are no bodies or limbs of persons, or possible obstacles in the operating range of the chair or the area around the chair. There is a danger of body parts or obstacles being pinched by the chair, resulting in injury or damage.</p>	 <p>● Precautions after changing the preset positions After changing the settings of preset positions, thoroughly check that there are no bodies or limbs of persons, or possible obstacles in the operating range of the chair or the area around the chair. There is a danger of body parts or obstacles being pinched by the chair, resulting in injury or damage.</p>
 <p>● Do not subject the leg or armrests to an excessive load or force. Do not sit or stand on the leg or armrests. Do not subject these parts to an excessive (more than necessary) load or force. Doing so can result in the chair tipping over or being damaged.</p>	 <p>● Precautions regarding customers and children Be careful to closely watch customers (especially children) in order to make sure that they do not accidentally cause chair operation, resulting in an unexpected accident.</p>
 <p>● Only sit in the area designated for such use. Never sit on the headrest, armrests, edge of the backrest, or the step or subject these to an excessive (more than necessary) load or force with the backrest reclined. Doing so can result in the chair tipping over or being damaged.</p>	 <p>● Precautions when reclining/raising the backrest Be very careful that the fingers and other body parts of the customer are not located between the backrest and seat when reclining or raising the backrest. There is a danger of body parts being pinched by the chair, resulting in injury.</p>
 <p>● Do not allow a customer to lie face down on the chair. Do not allow a customer to lie face down on the chair. Sudden operation of the chair can result in injury.</p>	 <p>● Caution on the use of the service outlets</p> <ul style="list-style-type: none"> • If needed, use a suitable conversion adapter as AC250V 12A or higher. • When a conversion adapter is used, make sure that it is firmly plugged into the service outlet. Loose connection can make the adapter heated up and lead to fire.

Safety Precautions (Must be Obeyed)

WARNING

● Procedures if a power outage occurs



- Turn off the power switch and remove the power plug of this product from the outlet in order to prevent unexpected operation when recovering from a power outage. Also turn off the power switches of all devices connected to the service outlet and remove the power plugs of devices.
- Be extremely careful if there is a power outage when the seat is in a high position such as for shampooing as it is not possible to lower the chair. With help from another person or similar measure, assist the customer in getting in and out of the chair in that position, being very careful that the customer is not injured and the chair does not tip over.

● Precautions during chair rotation



Be sure to always lock (secure) chair rotation by using the rotation lock switch after rotating the chair. Be especially careful of the position of a reclined customer, and the customer's body, hands and feet when the backrest is reclined. Check that the safety of the customer is ensured before rotating the chair. Always be sure that chair rotation is locked before moving the chair. There is a danger of injury or damage if the chair rotates unexpectedly. Adjust the adjuster under the step so that power cord is not caught or pulled, and that the chair does not tip over even when stepping on the step.

CAUTION



● **Make sure that no feet or hands, or other objects will be pinched between the step and floor when raising/lowering or rotating the chair body.**



● **Turn off the power switch after you are finished using the chair.**



● **Immediately wipe off any chemical solutions or water that spills on the chair.**
Chemical solutions can become a stain, and their adhering to an electrical part can cause faulty operation or short circuit. Immediately wipe off any grime or other foreign material that has adhered to the chair by using a dry soft towel and so on.



● **Never use a disinfectant with strong metal corrosion properties (such as povidone iodine (iodine solution) or sodium hypochlorite) or similar solution when wiping down the chair.**
Doing so can result in a malfunction.



● **Be extremely careful not to mistake the switches when operating.**
The person operating the chair must pay careful attention to the surrounding area and give verbal warning before operating the chair.



● **Do not strongly strike or rub devices.**
Doing so can result in tearing of covers and similar damage, and faulty operation.












● **Check the surrounding area before pressing the preset switches (P1, P2, and P3) and auto return switch of the chair.**
The person operating the chair must pay careful attention to the surrounding area and give verbal warning before operating the chair.



● **Be constantly careful of and inspect for looseness, rattling, tilting, vibration, noise, temperature, odors and other possible problems.**
If you feel that something seems slightly different or not normal, immediately stop using the chair, unplug the power plug, and contact Takara Belmont or its distributors.

Safety Precautions (Must be Obeyed)

⚠ CAUTION

 <p>● Always operate the power switch by using your hand.</p>	 <p>● Be careful that the power cord is not caught up by your feet or legs.</p>
  <p>● Do not place objects on top of the power cord. Do not place objects on top of the power cord. Damage to the power cord can cause a severed wire or short circuit, resulting in electric shock or fire.</p>	 <p>● Be careful when operating the headrest that fingers and other body parts are not pinched between the area around the operating lever or in between the backrest.</p>
 <p>● Lower the chair to the lowest position when the customer is leaning forward for washing. The chair can tip over if the customer places his/her foot on the step with the chair not completely lowered, resulting in injury or damage.</p>	 <p>● Do not allow persons weighing 135 kg or more to sit on the chair. Doing so can cause the chair to tip over or faulty operation.</p>
 <p>● Before operation, check that all parts operate safely with no faults or other problems.</p>	 <p>● Do not climb on the chair. Do not stand on the seat, backrest, armrests or other parts of the chair. Doing so can result in damage to the chair or injury.</p>

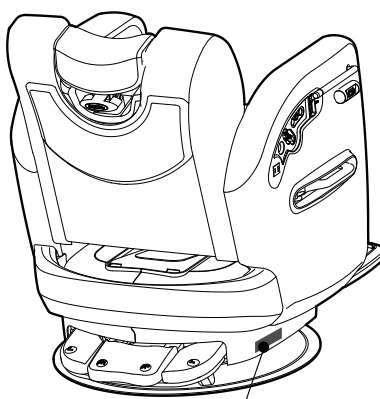
Use Precautions

- **Do not wipe down with chemicals or apply heat.**
Immediately wipe off any chemicals adhering to the leather or pump cover. Doing so can result in deformation or discoloration.
- **Do not place any objects other than persons in the seat.**
Do not place any objects other than persons in the seat. Doing so can result in deformation or tearing of the leather, or corrosion.
- **Recline the chair at the end of the day.**
After the work of the day, lower the chair to the lowest position and completely recline the backrest. This helps to extend the service life of the chair by not applying a load to springs and cylinders.
- **Discoloration of resin**
Resin materials are used in external components of this product. Carefully selected materials are used; however, discoloration may occur for reasons such as natural deterioration or the adherence of solutions. To ensure use of the product for longer period, immediately wipe off any solutions if it adheres, and avoid sunlight.

NOTE

<p>Contact Takara Belmont or its distributors if the breaker (power switch) frequently operates.</p>	<p>The maximum load is 1,350 N (135 kgf). The raising speed declines when the load is nearly the maximum.</p>
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Affixing Locations of Warning Labels



⚠ WARNING / AVERTISSEMENT			
<p>Risk of pinching during the operation. Check the space below and around the chair when raising or lowering the chair and the legrest.</p> <p>Risque de pincement durant l'opération. Vérifier l'espace en dessous et autour de la chaise lors de l'élévation ou de la descente de la chaise ainsi que du repose jambes.</p>	<p>Risk of dropping of the pump. Carry the chair with holding the base and the foot pedal.</p> <p>Risque d'échapper la pompe. Transporter la chaise en soutenant la base et la pédale.</p>	<p>Risk of malfunction or a fire caused by a short circuit. Unplug the power cord when not used.</p> <p>Risque de malfonction ou incendie causée par un court-circuit. Débrancher le cordon d'alimentation lorsque non-utilisé.</p>	<p>Risk of electric shock, fire, and abnormal motion. Do not disassemble, repair or modify.</p> <p>Risque de choc électrique, incendie ou opération anormale. Ne pas désassembler, réparer ou modifier.</p>
Refer to the Operation Manual for other notes.			

Precautions Related to Synthetic (Natural) Leather

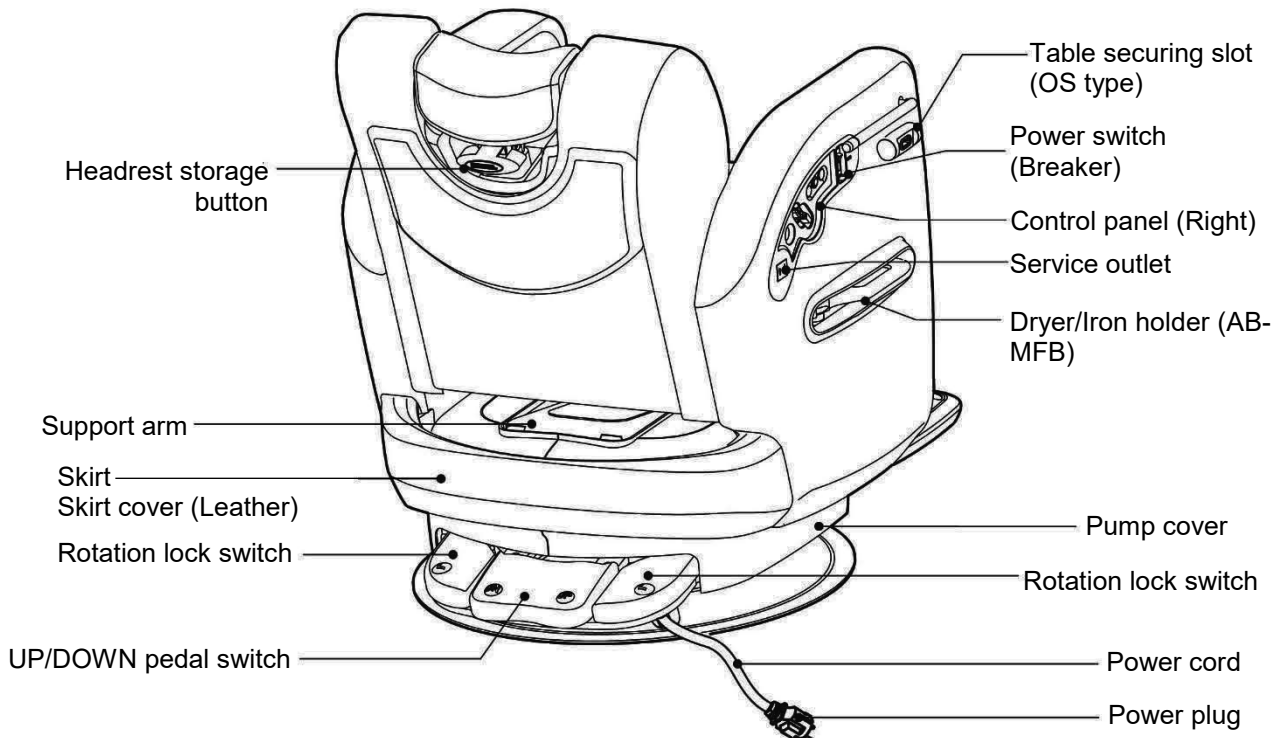
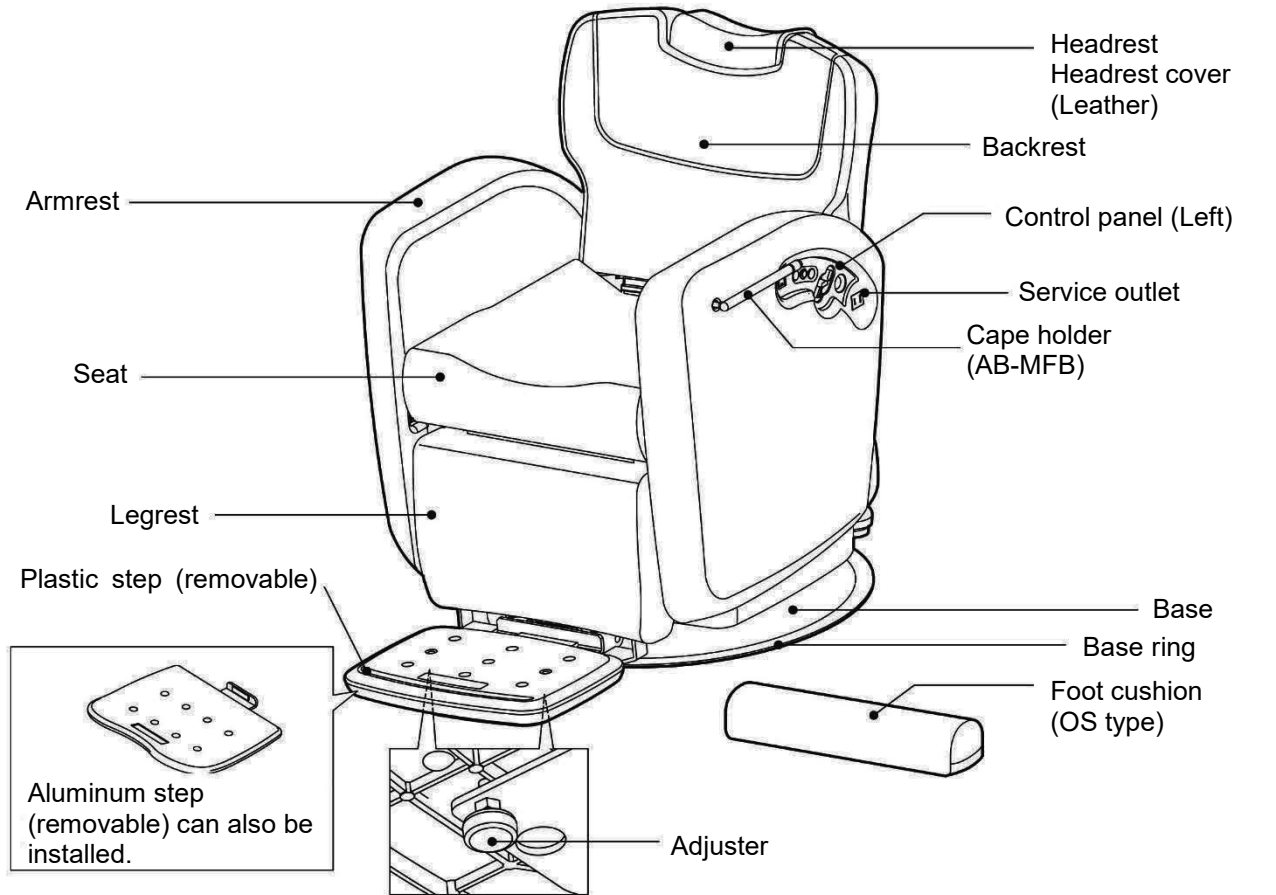
- **Clothing dye adhering**
The color of clothing or belts can be transferred to the synthetic leather of this chair by means of contact. If color adheres to the leather, wipe off the stain as soon as possible by using a soft cloth that has been dabbed with a neutral detergent diluted with water to approximately 10% in order to prevent the stain from soaking in due to the plasticizer. Wipe the area with a dry cloth after wiping off the color.
Precautions regarding deformation and color transfer due to contact
- **Contact with other plastic parts, painted items, solvents, adhesive tape and similar items can result in changes in surface luster, cracking, deformation and peeling.**
- Contact with newspaper or other printed items can result in color transfer.
- Contact with printed clothing such as t-shirts, jeans and similar items can result in color transfer such as by dye adhering to the leather.
- Contact with benzene, nail polish remover, alcohol and similar substances can result in discoloration, surface or plasticizer dissolution, changes in luster, hardening or softening, or peeling.
- Use of bleach, or use of a sheet or other cloth for which bleach has been used can result in changes in luster and color.
- Placement of an iron, heater or other excessive heat source near the chair can result in deformation and discoloration.
- Use a curtain or similar item to block the chair from exposure to direct sunlight. Exposure to direct sunlight can result in surface deformation, shrinking, discoloration, faded colors and similar problems.
- Placement of a heavy item for an extended period can result in marks or wrinkles that do not disappear after removing the item.

Accessories

- Operation manual (this manual)
- Installation manual
- Base ring
- Rotating table (OS type)
- Foot cushion (OS type)

Part Names

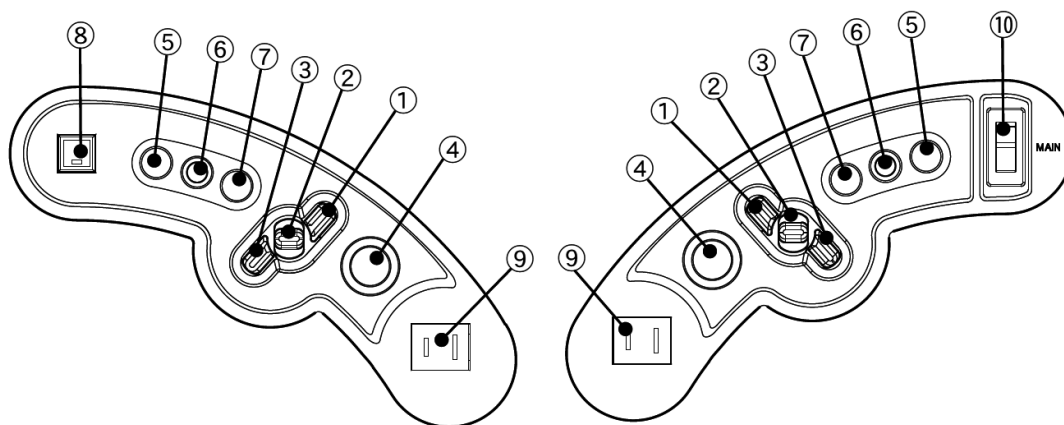
■ Main Unit



Part Names

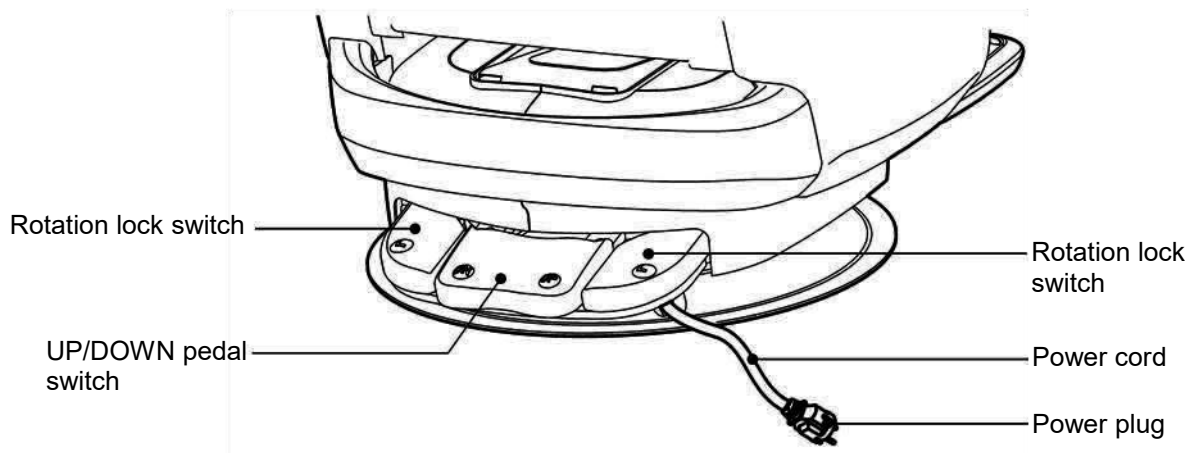
■ Operating Unit

Control Panel



- ① Backrest switch
- ② UP/DOWN switch
- ③ Legrest switch
- ④ Auto-return switch (Auto-return LED)
- ⑤ Preset switch P1
- ⑥ Preset switch P2
- ⑦ Preset switch P3
- ⑧ Legrest heater switch
- ⑨ Service outlet
- ⑩ Power switch (Breaker)

Base Operation Section



■ Type Structure Overview AB-MF(1) (2)

(1) (2)	S (For Ladies')		B (For Men's)		
	Standard (ST)	One-stop (OS)	Standard (ST)	(SB)	One-stop (OS)
Legrest-step linked type	○	○	○		○
Independent legrest type				○	
Cape holder			○	○	○
Dryer/Iron holder			○	○	○
Yume Swing position setting		○			○
Rotating table (table securing slot)		○			○
Accumulator (shockless)		○			○
Foot cushion		○			○

Preparation

■ Power Supply

1. Insert the power plug into the outlet.

- Use an unshared outlet that matches this product's rated voltage and current* and is equipped with ground terminal.

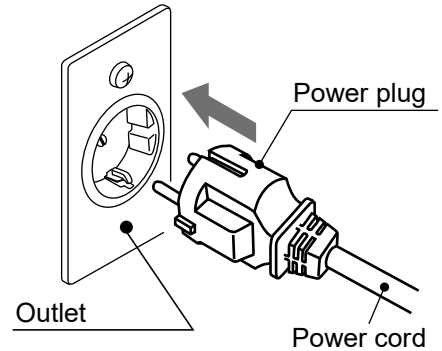
Using the same outlet together with the power plug of other devices can result in abnormal heat generation and possible fire.
* 110-240V AC (12 A or more)

⚠ WARNING



- Be sure to fully insert the power plug into the outlet until reaching the base of the plug. Do not pull the cord to remove the power plug from the socket. Hold by the power plug when removing.
- Do not ground the chair to the following types of locations.
 - Ground of gas or water pipes, lightning rods or telephones
- Wiring work must be performed by certified personnel. Consult an electrician for wiring work.
- Power cord replacement must be performed by the manufacturer or its distributors, or by a technician with equivalent certification.

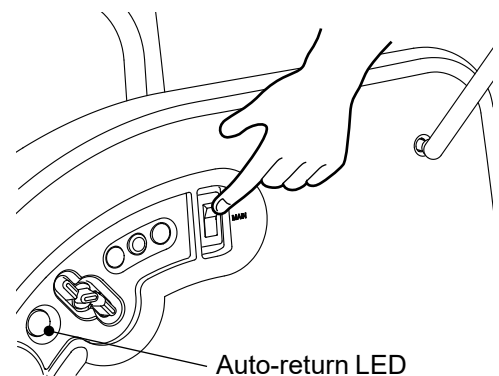
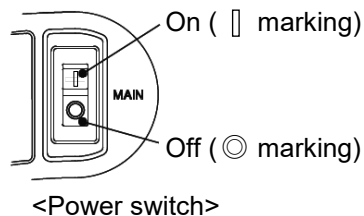


Be sure to ground the chair.
Doing so can prevent electrocution.



2. Turn on the power.

The power switch is located on the control panel (right).
Press the side with the  marking to turn the power on.
Press the side with the  marking to turn the power off.
When power is turned on, the auto-return LED blinks slowly.



⚠ WARNING

- Always be sure to remove the plug from the outlet when the chair will not be used for an extended period such as at the end of the day, on holidays, and other times.

⚠ CAUTION

- Operate the power switch by using your hand.
- When the power is turned on, chair rotation is locked automatically.

Use Procedures

(1) Guiding Customers

1. Rotate the chair so that the customer can be easily seated on the chair.

1 Step on the rotation lock switch.

Step on the rotation lock switch to release the lock and enable rotation of the chair.

(Operation is the same on either side.)

Chair rotation locking is performed by use of hydraulics.

The rotation lock repeatedly alternates between locked and released each time that the rotation lock switch is stepped on.

* Cannot be operated when the power is turned off.

When the power is turned on, chair rotation is locked automatically. (The motor pump operates for approximately one second when rotation is locked.)

2 Rotating the chair

Hold the backrest or armrests when rotating the chair.

You can rotate the chair a full 360°.

3 Fixing the chair in a work position

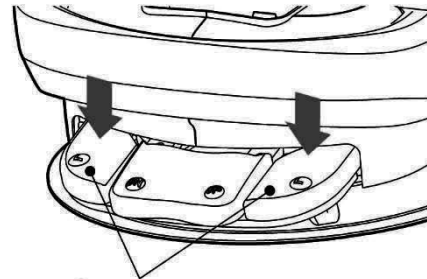
Stop the chair at the desired work position and press the rotation lock switch in the base operation section. The chair is locked and prevented from rotating.

Turn on the power switch.

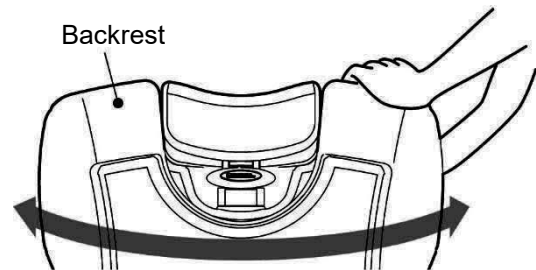
If the power is turned off, chair rotation is locked automatically when the power is turned on.

Press the desired switches.

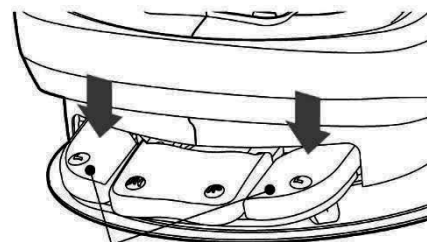
If any of the switches of the base operation section or control panel (excluding the legrest heater switch) is pressed, chair rotation is locked automatically.



Rotation lock switch

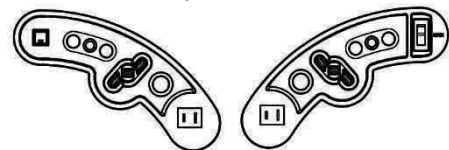


Backrest



Rotation lock switch

<Base Operation Section>



<Control Panel>

CAUTION

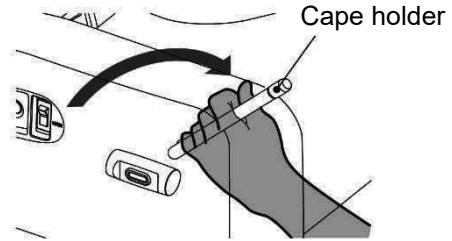
- Always be sure to lower the chair to the lowest position and lock the rotation when a customer is getting in or out of the chair in order to ensure safety.
- Be careful of the following items when rotating the chair in order to ensure safety.
 - Lower the chair to the lowest position.
 - Do not rotate the chair until the customer has completely sat down in the chair.
- Always be sure that no other persons are in the surrounding area before rotating the chair, and rotate so that the step and other parts do not contact the customer or any nearby equipment.
- Be careful that the adjuster does not contact or catch on the power cord.
- Always be sure to lock the chair when not rotating it.
- When the power is turned on, chair rotation is locked automatically.

Use Procedures

2. Using the cape holder (AB-MFB)

Using the cape holder:

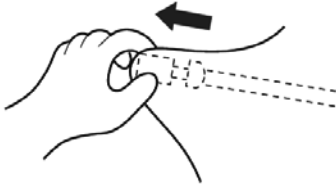
- Provides space between the customer and the cutting cape to provide good ventilation.
- Makes it easy to clean up the cut off hair.



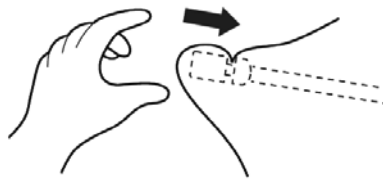
1 Rotate the pulled-out cape holder forward.

2 Pull out the tip of the cape holder and pinch the cutting cape.

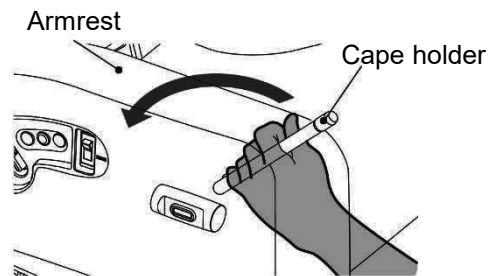
(1) Pull from over the cutting cape.



(2) Pinch the cape and release it.



3 Rotate the cape holder rearward to store it.



When using or storing the cape holder, hold and rotate it until it reaches its final position.

CAUTION

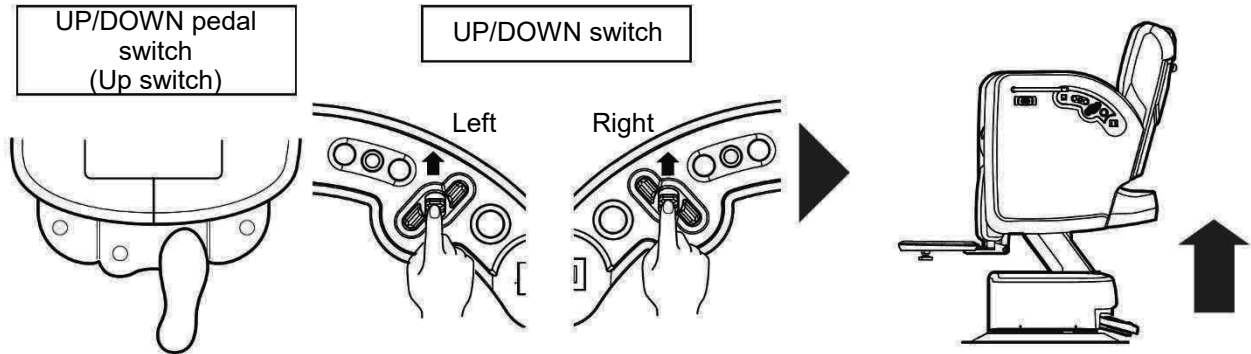
- Do not use excessive force on the cape holder as it can only withstand a load of 10 N (1 kgf).
- Be sure to always return it to the stored position when not in use.
- When storing the cape holder, be careful not to pinch the customer's or user's fingers between it and the armrest when returning the holder.

Use Procedures

(2) Raising/Lowering the Chair

1 Raising the chair

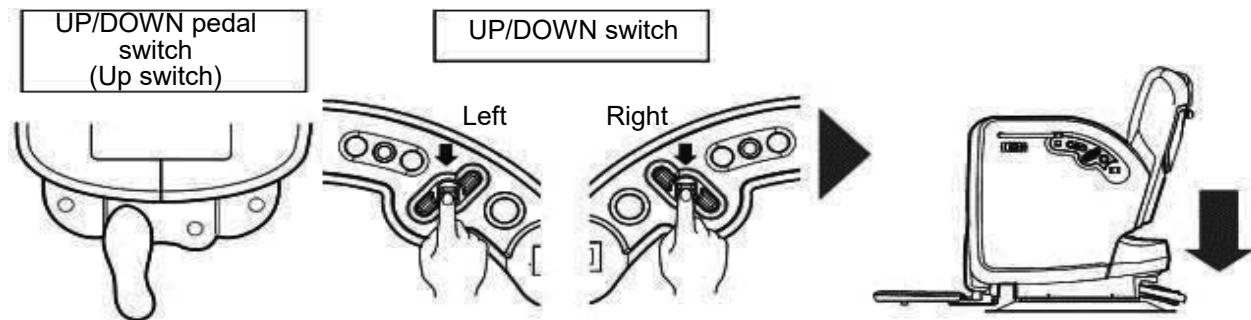
To raise the chair, step on the right side of the UP/DOWN pedal switch on the base operation section or press the UP/DOWN switch of the control panel (right or left) upwards. The chair operates while the stepping on (pressing) the switch.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

2 Lowering the chair

To lower the chair, step on the left side of the UP/DOWN pedal switch on the base operation section or press the UP/DOWN switch of the control panel (right or left) downwards. The chair operates while the stepping on (pressing) the switch.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.



WARNING

- Before raising or lowering the chair, always be sure to check that there are no persons or objects near the chair or step, or in the gap of the support arm. There is a danger of body parts or objects being pinched, resulting in injury or damage.
- This chair moves backwards as it is raised. Thoroughly check that there are no obstructing items before and behind the chair.

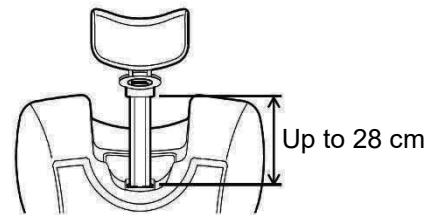
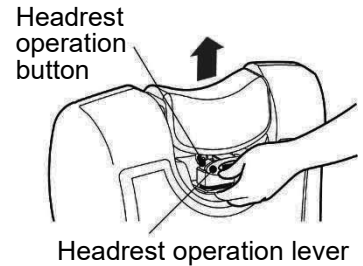
Use Procedures

(3) Reclining and Raising the Backrest

1. If using the lift-up headrest

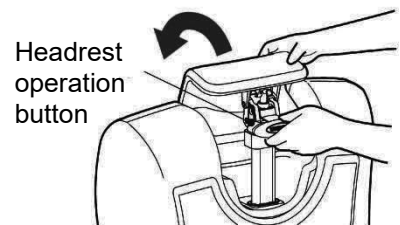
1 Lift up the headrest operation lever and pull up the headrest.

Secure the headrest at the desired position so that you can use it at that position. A stopper is provided so that the headrest cannot be completely pulled out. It can be pulled out up to a maximum of 28 cm. If the headrest is excessively pulled out, return it while pressing the headrest operation button.



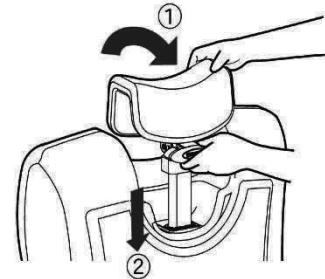
2 While pressing the headrest operation button, tip the headrest forward.

Tip the headrest forward to fit it against the customer's head so that the customer will be more comfortable even if used for an extended period.



3 Store the headrest when finished using it.

While holding the headrest operation lever and pressing the headrest operation button, return the headrest to its original position and lower it.



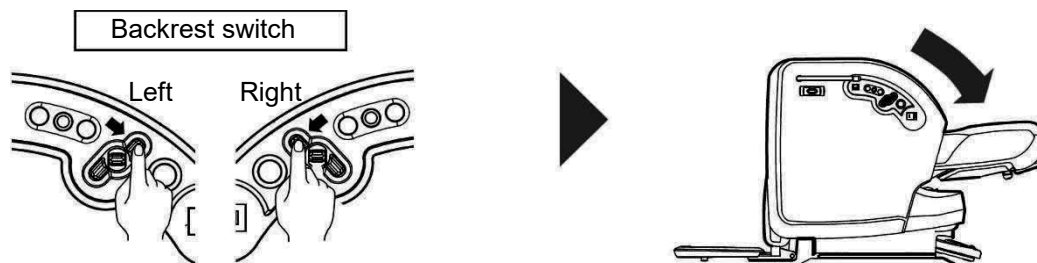
CAUTION

- Be careful not to press the headrest operation button when pulling out the headrest. Pressing the headrest operation button when pulling out the headrest can cause the headrest to tip forward and scratch the backrest leather, making it difficult to pull out or damaging the leather.
- Check that there are no impediments in the surrounding area when rotating the seat with the headrest pulled out.
- Do not apply excessive force to the headrest or strike it from above when it is pulled out. Doing so can result in damage.
- Be careful when operating the headrest that fingers and other body parts are not pinched between the area around the headrest storage button (or headrest operation button) or in between the backrest.
- Be sure to always store the headrest when performing a backward shampoo. The shampoo bowl will interfere with the headrest possibly resulting in breakage.
- When storing the lift-up headrest, return the lift-up headrest which is tipped forward by hand to its original position as shown in the use procedures so that the headrest can be lowered. Failure to return the tipped-forward headrest by hand can result in the headrest contacting the backrest leather while the headrest lowering, resulting in a strong force being applied to the leather and damage to the leather of the backrest.

Use Procedures

2. Reclining the backrest

Push the backrest switch of the control panel (right or left) in the direction of the arrow to recline the backrest. The chair operates while the switch is pressed.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

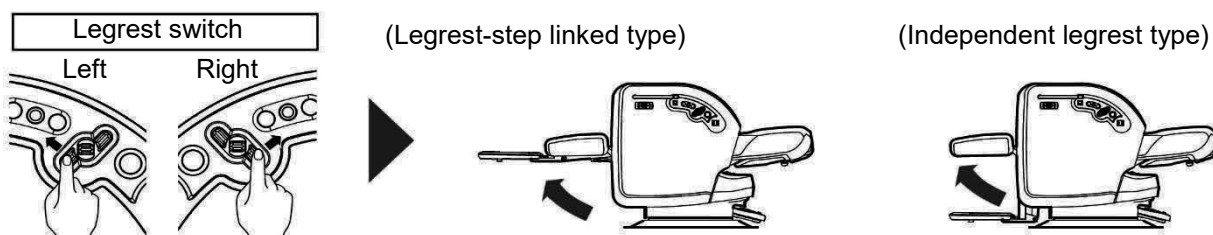


WARNING

- The space between the backrest and seat becomes narrow when the backrest is reclined. Check that the customer's hands or arms are not between the backrest and seat before reclining the backrest.
- Do not allow a customer to lie face down on the chair. Unexpected operation of the chair can result in injury.

3. Raising the legrest

Push the legrest switch of the control panel (right or left) in the direction of the arrow to raise the legrest. The chair operates while the switch is pressed. The legrest of legrest-step linked type rises together with the step.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

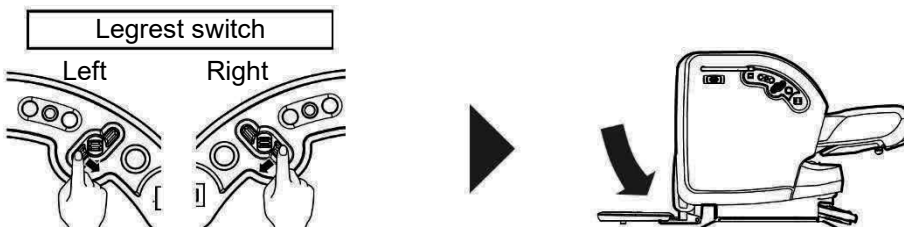


WARNING

Before raising the legrest (step), be very careful that the step or the customer's feet will not contact any equipment in front of the step, and operate it safely.

4. Lowering the legrest

Push the legrest switch of the control panel (right or left) in the direction of the arrow to lower the legrest. The chair operates while the switch is pressed. The legrest of legrest-step linked type lowers together with the step.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.



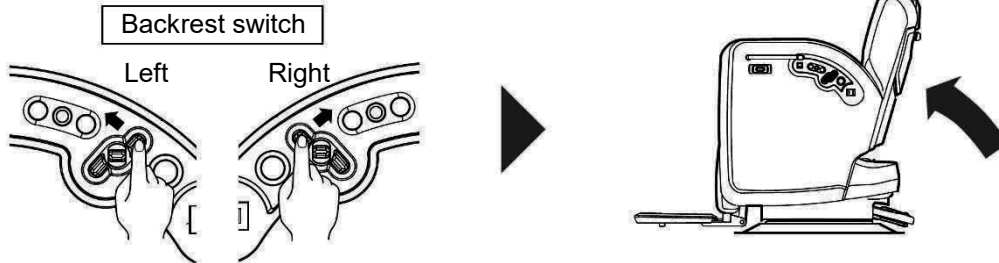
WARNING

Before lowering the legrest (step), make sure that no persons or objects are under the legrest (step), and operate it safely.

Use Procedures

5. Raising the backrest

Push the backrest switch of the control panel (right or left) in the direction of the arrow to raise the backrest. The chair operates while the switch is pressed.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

Use the preset function to move the chair to the predetermined position. Refer to "(4) Using Preset Function".

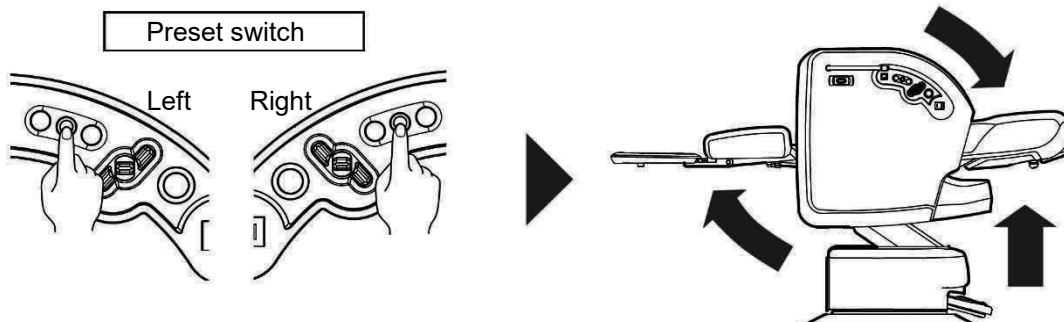
WARNING Before raising the backrest, check that the customer's elbows or hands are not in between the back and armrests, and operate it safely.

(4) Using Preset Function

1. Preset Function

The preset function allows you to press a switch once to move the chair to the previously set work position. You can set up to three optional positions of this chair. The auto-return LED blinks rapidly during preset operation.

- 1 Pull the headrest out to the desired position previously when you need to use it.
- 2 Press a preset switch on the control panel (right or left) once. The chair moves to the previously set position.



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

Use Procedures

<Changing Settings of the Preset Function>

Although the operation settings positions of the preset switches are previously set when shipped from the factory, you can change to the operation positions to match your customers. Perform the following procedures to change the operation settings positions.

- (1) Move the chair to the position you want to use.
- (2) Turn off the power switch, and then press and hold down a preset switch (P1, P2, or P3) while you turn on the power switch.
- (3) Continue to press and hold the preset switch for approximately three seconds until you hear an electronic beep indicating that the position is set.
- (4) Setting is completed when the electronic beep is emitted. Return the chair to its original position by using the auto-return switch, and use the preset switch for which you have changed the setting to make sure that the chair moves to the position you have set.



WARNING

Be very careful when setting the position of the legrest that the customer's leg will not contact equipment or other items near the chair.

Using Preset Switch P3 (Last and facial positions)

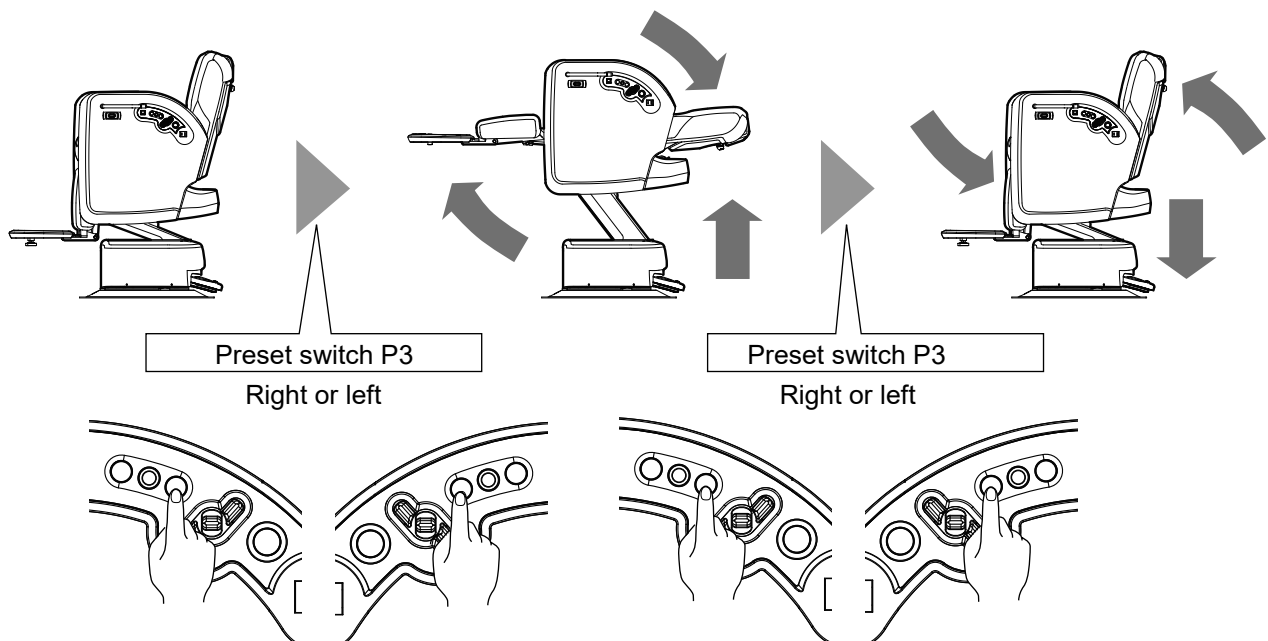
Although the preset function of preset switch P3 can be used to function in the same normal manner as preset switches P1 and P2, you can change the setting of P3 to change it to a useful function that matches the desired customer use (last and facial positions).

* As the setting when purchased is "Normal Preset Function", perform these procedures only if you want to change the settings. Be careful to perform the procedures correctly because you might mistakenly change other settings, resulting in faulty operation.

■ Last Position Function

You can use this function after you have finished cutting hair and moved the chair to the shampoo position by using preset switch P3. Press preset switch P3 again to return the chair to the position you were just using for the cut. This function is useful because you do not need to readjust the chair by using this setting, making for smooth and easy cutting.

By setting the last position function for preset switch P3, the chair moves to the set position when you press preset switch P3. After the procedures, press preset switch P3 to return the chair to the position of when you previously pressed preset switch P3.



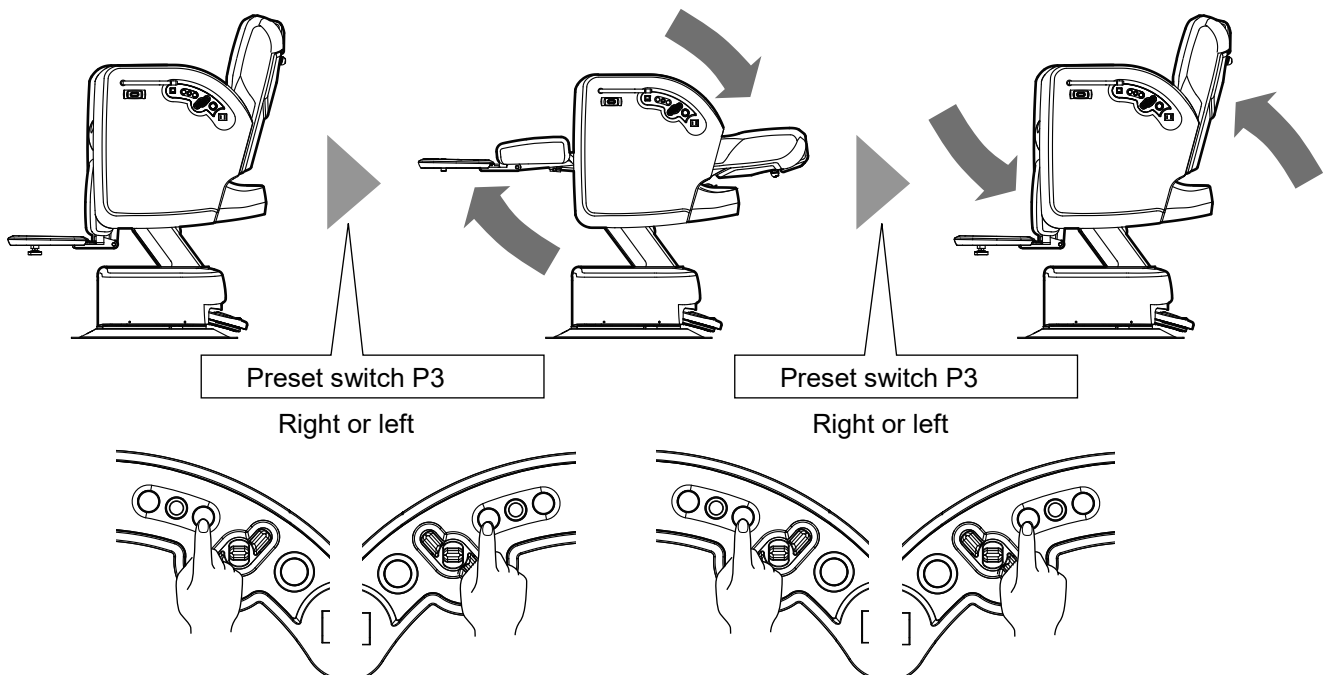
Use Procedures

■ Facial Position Function

This function is useful as it allows you to recline and raise the chair without changing the height of the customer. For example, you can use this function if you want to reduce the work time or repeatedly check in the front mirror in the case of a facial service.

By setting the facial position function for preset switch P3, only the back and legrest move to the set position (height does not change) when you press preset switch P3.

After the procedures, press preset switch P3 to return the back and legrest to the position of when you previously pressed preset switch P3. (Height does not change.)



[Setting Procedures]

- (1) Turn off the power switch, and step on the rotation lock switch, and press and hold the backrest up switch while turning on the power switch.
- (2) Continue to step on the rotation lock switch, and press and hold the backrest raise switch for approximately three seconds until you hear an electronic beep. Check which function is set by checking the tone of the beep. The setting changes in the following order: A => B => C => A
Perform procedures (1) and (2) repeatedly until reaching the desired function.

[Beep Tone]

A: Normal preset function...Continuous high-pitched beep

B: Last position function...Beep is repeated twice.

C: Facial position function...Beep is repeated three times.

- (3) If setting to the last or facial position function, use preset switch P3 to first perform the previously described "Changing Settings of the Preset Function".

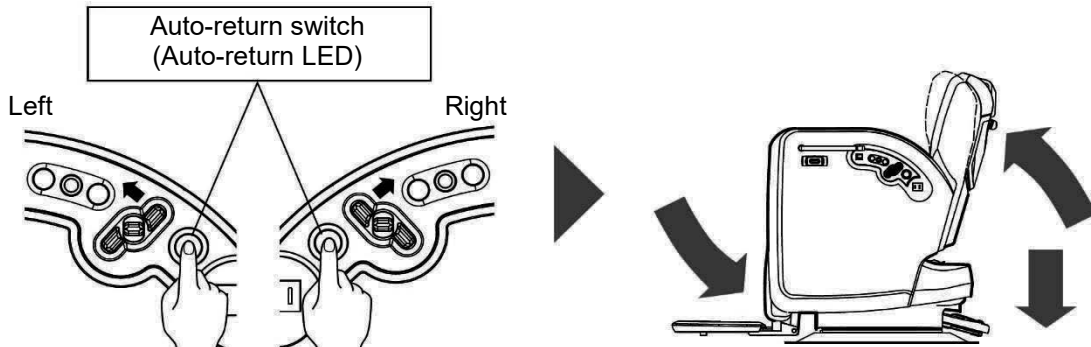
* The settings are saved even if the power is turned off so that the function will operate in the same manner as when the power was previously turned off and turned on.

Use Procedures

2. Auto-Return Function

Press the auto-return switch on the control panel (right or left) once. The chair height, backrest angle and legrest position return to their initial position (position for getting in/out of chair). The auto-return LED blinks rapidly during auto-return operation.

(An electronic "pough" sound is emitted to notify you that operation is starting.)



⇒ If any switch except for the legrest heater switch is pressed while the chair rotation lock is released, chair rotation is locked automatically.

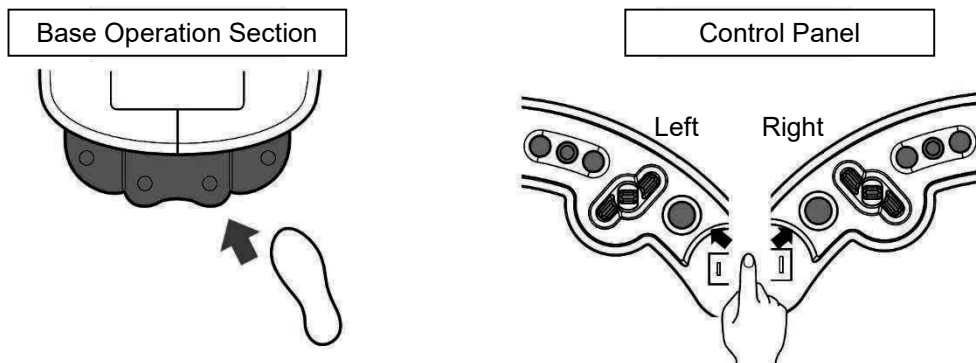


WARNING

- Before using the auto-return function, make sure that no persons or objects are under the legrest step or in the support arm area, and operate it safely.
- Although the switches of the control panels are positioned slightly inset to prevent body parts from touching them, keep body parts away from the operation panels as much as possible. If a body part touches a switch, it will cause a faulty operation.

Cancel Function

Press any switch other than the legrest heater switch if you want to stop chair operation midway when using the preset or auto-return switches. The cancel function operates to stop chair operation. (An electronic beep is emitted when auto-return operation is canceled.)



You can use the switches on both the left and right control panels to stop operation.

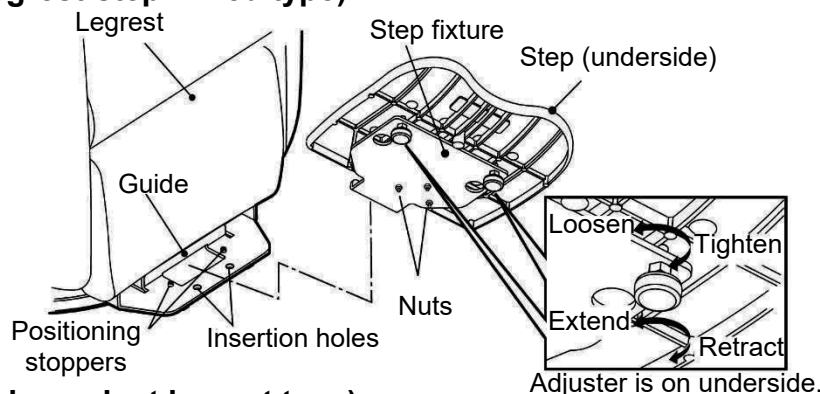
■ Press any of the switches shaded in gray to stop operation.

Use Procedures

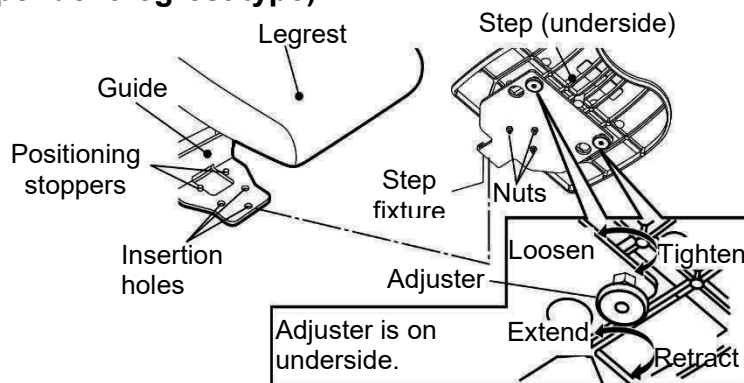
(5) Removable Step

You can remove the step anytime it might interfere such as when sitting a wheelchair customer in the chair or using a foot spa machine. If using the independent legrest type (AB-MFBSB), raise the legrest and make the guide visible before performing work.

(Legrest-step linked type)



(Independent legrest type)



1 Step Removal

Remove the step fixture held by the guide and remove the step.

2 Step Installation

Holding the step fixture against the positioning stoppers, attach the step fixture to the guide, and securely insert the nuts on the underside of the step into the two (three for independent legrest type) insertion holes.

WARNING

- After installing the step, check that the step fixture is securely held by the guide, the nuts are inserted in the insertion holes, and the step is not loose. Be careful that there is no looseness as this could result in instability when the customer is getting in and out of the chair.
- Be careful when lifting and carrying the step, and of where you place it because the step is heavy. Dropping the step could result in serious injury.
- Be careful of operating the chair when using a foot bath and make sure that the chair does not interfere with the foot bath.
- Immediately wipe off any water, cosmetic agent or other liquid of the foot bath if it gets on the chair. Not wiping it off can result in rust or other damage.

CAUTION

Precautions when extending the adjuster

Adjust the adjuster so that the power cord is not caught or pulled, and the chair does not rub on the floor when rotating the chair with someone seated in it. Failure to follow this caution can result in an unexpected accident or damage to the floor.

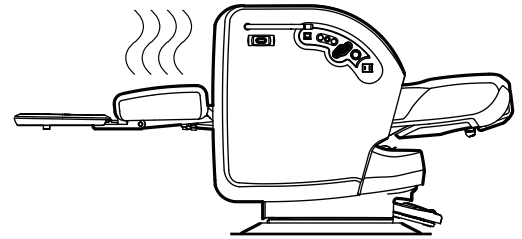
Use Procedures

(6) Heater

This chair is equipped with a legrest heater.

- 1 Operating the heater
Press the legrest heater switch ("HEATER") on the control panel (chair left side) to operate the heater.
(Heater light turns on.)

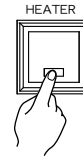
Left
Legrest
heater switch



CAUTION

Heat will escape and the effective temperature reduced if the customer's calves do not contact the legrest. Use the heater with the legrest raised.

- 2 Stopping the heater
Press the legrest heater switch again to stop heater operation.
(Heater light turns off.)



WARNING

The heater light is lit up in orange when the heater is operating. Always be sure to turn off the heater switch when not necessary because using the heater for an extended period causes the temperature to increase, possibly resulting in burns or fire. Turn off the power if you feel abnormal heat when touching the legrest, and contact Takara Belmont or its distributors.

(7) Accumulator (OS Type)

This chair is equipped with an accumulator that reduces vibration when operating and stopping the chair.

The accumulator absorbs loads applied to the chair to provide shock-free performance. Accordingly, the following conditions might be observed.

- The stopping position of the chair might vary due to slowly stopping the chair in order to absorb shocks.
- The chair might seem to slightly bounce due to load changes when getting in or out of the chair, or during massage.
- The chair might rise slightly when a customer gets out of the chair. (Due to the load applied to the customer being absorbed when a customer sits, causing the chair to sink.)

NOTE

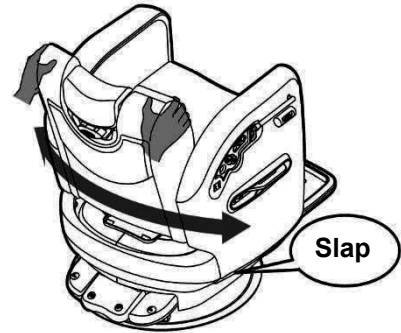
Perform position setting of the preset function with a person sitting in the chair. As this chair is equipped with a shockless device, setting the position without someone sitting in the chair will result in slight variation of the final operating position.

Use Procedures

(8) Yume Swing Bowl Positioning (OS Type)

This chair is equipped with a "Yume Swing Position Setting" in the chair base that detects position in order to be able to properly align the positions of the Yume Swing bowl and chair rotation.

- 1 Release the rotation lock and rotate the chair.
- 2 Rotation becomes slightly heavy as you slowly rotate the chair until it is near the Yume Swing bowl position and you feel a slapping click.
- 3 After the chair secured at the position in 2, you can press a previously set preset switch to align the chair and Yume Swing bowl at the proper position.

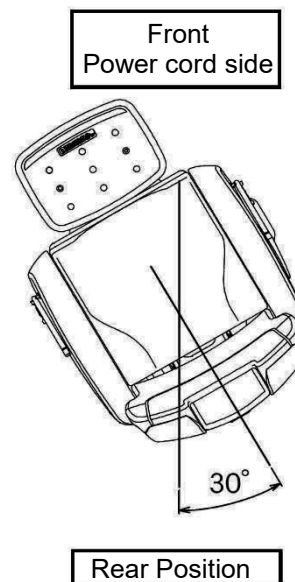
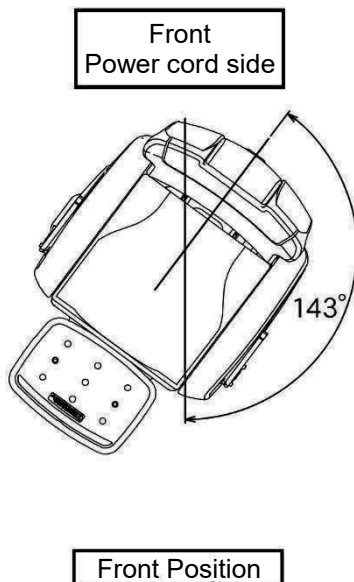


CAUTION

- Lock the chair at the Yume Swing setting position so that the Yume Swing position setting and the bowl are aligned at the proper position, and check that the chair and bowl are properly aligned.
- Reposition the Yume Swing setting position to the proper position after moving the chair for cleaning or similar reason because the position might become misaligned due to such movement.
- The Yume Swing position setting has a simple lock for position detection. Always be sure to fully lock it by using the rotation lock switch after aligning the position because the lock can be released with only slight force.

● Yume Swing Position

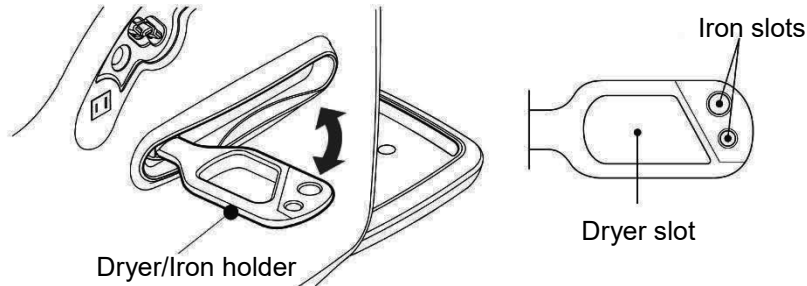
The Yume Swing position consists of the two positions shown below. Use these in alignment with the bowl position.



Use Procedures

(9) Dryer/Iron Holder (AB-MFB)

Pull out the dryer/iron holder at the center of the body on the right side of the chair.
You can use this as a stand for a hand dryer or iron while working.



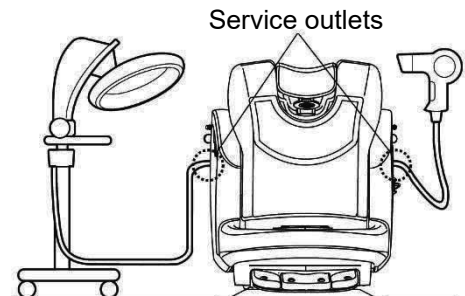
CAUTION

- Be careful that the dryer or iron does not contact the legs or other body parts of the user or customer when using the dryer/iron holder.
- Always be sure to store the holder under the body after use so it does not interfere with work.
- Do not rotate the dryer/iron holder with a hand dryer or iron still inserted in the slot. Doing so can damage the chair, and the heat can cause deformation or other damage.
- The dryer/iron holder can withstand a load of up to 50 N (5 kgf).

(10) Service Outlets

This chair is equipped with service outlets on the right and left control panels.

Total (right and left sides) current available for use is 12 A or less or 7 A or less (see service outlet label) when not operating the chair and 9 A or less or 4 A or less when operating the chair. The power switch (right control panel) is turned off if the current available for use is exceeded. If this occurs, stop using the connected device(s), and turn on the power switch again.



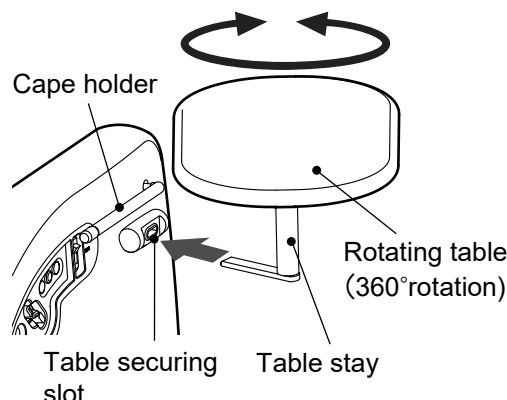
WARNING

- The power plug becomes hot and can result in fire if the power plug of a device using a service outlet is not firmly plugged in or there is a looseness inside the outlet when using the service outlet. Immediately stop using the device, turn off the device power switch, and remove the power plug from the service outlet. Also, stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.
- If needed, use a suitable conversion adapter as AC250V 12A or higher.
- When a conversion adapter is used, make sure that it is firmly plugged into the service outlet. Loose connection can make the adapter heated up and lead to fire.

Use Procedures

(11) Rotating Table (OS Type)

- 1 Insert the rotating table into the table securing slot on the side of the body until it is fully and securely inserted.
- 2 As the rotating table can rotate a full 360°, you can set it to the proper position for the service you want to provide, such as using it as a temporary stand for an ashtray, drink, book and similar items, or for use during nail work, hand care and similar procedures.
- 3 When removing the rotating table, pull it out by holding onto the rotating table body and table stay.



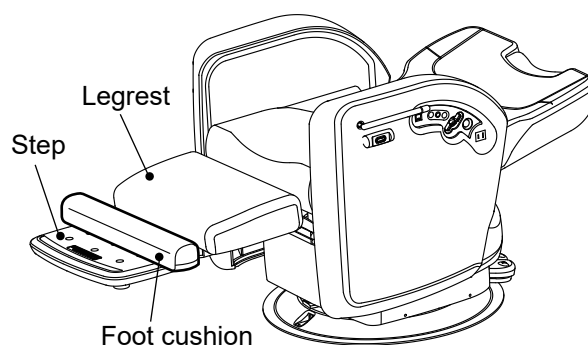
CAUTION

- Check that the table is securely inserted into the table securing slot before using the table. Failure to fully insert the table can result in the table falling off, causing injury and damage.
- Do not operate the chair with items on the rotating table. Doing so can result in such items falling off or in spilling of liquids.
- Always be sure to pull out and carry the rotating table with both hands as it is heavy, and store it in a stable location. Accidentally dropping the table could result in serious injury.
- Do not place objects on the rotating table that weigh 5 kg or more, or items that hang over or extend beyond the table surface. Doing so can result in damage to or deformation of the main body or table.
- Do not insert or remove the rotating table with items placed on the table. Doing so can result in such items falling off or in spilling of liquids.
- Do not use the cape holder when using the rotating table. Doing so can result in damage to or deformation of the cape holder or table.
- Be careful when using the rotating table that the customer's fingers or hands do not interfere with the table when raising the backrest.
- Immediately wipe off any chemical solutions that spill on the table.
- Be careful when rotating the rotating table that the customer's fingers or hands do not interfere with the table.
- Be careful that nearby devices such as the bowl do not interfere with the table when rotating or operating the chair while using the table.
- Use both hands when inserting or removing the rotating table as it weighs 3 kg.

(12) Foot Cushion (OS Type)

This chair has a foot cushion that can be placed on the step on which the customer's legs can rest in order for the customer to recline with comfort.

Use it for customers whose height is such that their heels extend beyond the legrest.



CAUTION

- Always be sure to remove the foot cushion before returning the legrest to its original position. Returning the legrest with the cushion still located on the legrest can result in the cushion being pinched between the legrest and step.

Cleaning Procedures

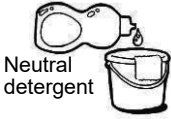
Clean this chair after use to maintain it in a clean state. Leaving dirt or grime on the chair can result in the formation of mold. Always be sure to unplug the power plug from the socket when cleaning the chair.

■ Cleaning of Each Part

Leather Parts

Lightly wipe clean using a dry soft cloth.

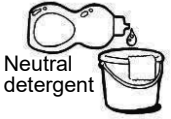
If extremely dirty:
Wipe clean with a soft cloth that has been dabbed with a neutral detergent diluted with water to approximately 10%. Wipe the part with a dry cloth after wiping off.



Plastic Parts

Wipe clean using a dry soft cloth.

If extremely dirty:
Wipe clean with a soft cloth that has been dabbed with a neutral detergent diluted with water to approximately 10%. Wipe the part with a dry cloth after wiping off.



Operating Parts Metal Parts

- Wipe clean using a dry soft cloth. Do not clean these parts with a damp cloth because they are readily affected by moisture and water. Wipe off all moisture immediately if any water gets on these parts. Water left on these parts will result in rust or malfunction of electronic parts.

⚠ CAUTION

- Do not use any of the following substances to clean the chair. Thinner, alcohol, nail polish remover, volatile chemicals (such as gasoline or kerosene), acid or alkaline solutions, chlorinated cleaners, sponges containing abrasive compounds and similar substances. Do not use brushes, scouring brushes or similar items when cleaning the chair. Using them will damage the chair or result in the inability to clean off the dirt or grime.

⚠ WARNING

- This chair is an electronic device. Do not sprinkle with water to clean it. Washing in such a manner can result in an accident or electric shock.
- Turn off the power switch and unplug the power plug before cleaning or wiping down the chair. Failure to do so can result in electric shock or fire. Also, movement of the chair while cleaning or wiping down can result in injury.

⚠ CAUTION

- Do not clean leather parts using a cleaner or bleach containing organic solvent or abrasive compounds. Such substances can cause the leather surface to deteriorate or dull the luster.
- If color from clothing, belt or similar item adheres to the leather, wipe off the stain as soon as possible by using a soft cloth that has been dabbed with a neutral detergent diluted with water to approximately 10% in order to prevent the stain from soaking in due to the plasticizer. Wipe the part with a dry cloth after wiping off.

Clean the chair before use when first using one that has not been used for an extended period and be sure to always check that chair operation is safe and without problems.

■ Spray-type Hairstyling Products (Especially hard types)

When using spray-type hairstyling products (especially hard types), check the entire chair to make sure that none of the product is adhering to the exterior surface of the chair (including leather parts). Immediately wipe off any hairstyling product that is adhering to the chair. Failure to wipe off the product and allowing it to remain results in the hairstyling product hardening, leaving a feeling of roughness. Be especially careful of flat surfaces (such as the plastic covers) as this roughness is considerably noticeable on flat surfaces.

* If hairstyling product has hardened:

Clean off adhered and hardened hairstyling product by using ethanol.

However, repeatedly cleaning off product adhering to plastic covers and leather parts by using ethanol can cause the surface to deteriorate, the luster to be lost, and cracking. To prevent this, immediately wiping off any adhering hairstyling product is the best method to prevent any problems.

Daily Inspection

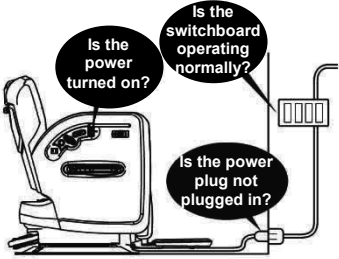
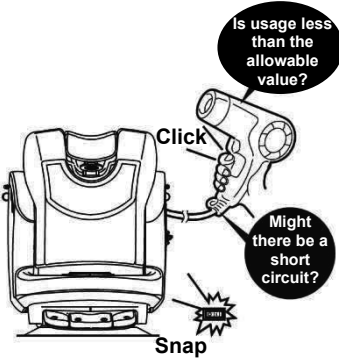
Perform inspection according to the "Daily Inspection Procedures" indicated on pages 26 and 27 of this operation manual in order to ensure safe use of this chair.



Perform daily inspection according to the "Daily Inspection Procedures". Using the chair without performing daily inspection can result in malfunction or accident.

Before Requesting Repair

If any of the problems described below occur, inspect the corresponding items before requesting repair.

Problem	Inspection Items	Recovery Procedures
<p>■ Chair does not move.</p>  <p>■ The power switch turns off when using the service outlet.</p> 	<p>■ Is the power plug correctly inserted?</p> <p>■ Is the power switch turned on?</p> <p>■ Has a fuse of the shop's switchboard or breaker been tripped?</p> <p>■ Has the chair been operated for an extended period continuously?</p> <p>■ Is the total amount of current used less than the allowable value?</p> <p>■ Has there been a short circuit in one of the devices connected to the service outlet?</p>	<p>■ Correctly insert the power plug. (p. 9)</p> <p>■ Turn on the power. (p. 9)</p> <p>■ Replace the fuse of the switchboard or turn on the breaker.</p> <p>■ The problem is due to the operation of the overheating prevention device. ⇒ Leave the chair for approximately 10 min. to allow it to return to the normal condition.</p> <p>Overheating Prevention Device This is a protective circuit that prevents abnormal overheating of internal mechanisms due to continuous operation and similar causes. The chair might stop moving temporarily.</p> <p>■ The breaker function operates if the current used exceeds the allowable value. Use an amount of current that is less than the allowable value, and turn on the power again so that the chair will operate normally. (p. 22)</p> <p>■ Switch to using a different device and try turning on the power switch. If the power cannot be turned on when using a different device, contact Takara Belmont or its distributors.</p> <p>Breaker Function This is a protective function that prevents damage to devices due to using a current that exceeds the allowable value.</p>

These are not malfunctions

■ Abnormal sound at startup	■ Such sound is due to the internal hydraulic fluid being cold and is not a functional fault. It will readily stop.
■ Abnormal sound when rotating the chair	■ This is the sound of the steel balls rolling when the chair is rotated. The level of this sound varies depending on the environment where the chair is installed.

If any of the problems described above are inspected and the chair does not work normally even after performing the recovery procedures, immediately stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.

Daily Inspection Procedures

Perform the following inspection procedures in order to ensure that the chair can be used safely.

■ Daily Inspection Procedures

Inspection Items	Inspection Procedures	Recovery Procedures if there is a Problem
<input type="checkbox"/> Check that the chair operates normally.	<input type="checkbox"/> Check that a double beep with one to three pauses are not emitted intermittently after turning on the power switch. <input type="checkbox"/> Check that, approximately five seconds after turning on the power switch, a double beep with five pauses are not emitted intermittently. <input type="checkbox"/> Check that the chair moves normally to the preset positions by using the preset switches. <input type="checkbox"/> Check that the chair moves normally to the initial position (position for getting in or out of the chair) by using the auto-return switch. <input type="checkbox"/> Check that the chair raises and lowers by using the UP/DOWN switches and pedal switches.	<input type="checkbox"/> Turn off the power switch, and wait approximately five seconds before turning on the power switch again. If the alarm still sounds, the position detector might be faulty. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Check that none of the operating switches are pressed. After checking that there is no object on top of the foot switch or other things, turn off the power switch, and wait approximately five seconds before turning on the power switch again. If the alarm still sounds, one of the operating switches might be faulty. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Perform the procedures indicated in "1. Preset Function" of "(4) Using Preset Function" under "Use Procedures" (p. 15). If operation is still not normal, stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Perform the procedures indicated in "2. Auto-Return Function" of "(4) Using Preset Function" under "Use Procedures" (p. 18). If operation is still not normal, it might not be possible to safely get in and out of the chair. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Perform the procedures indicated in "(2) Raising/Lowering the Chair" under "Use Procedures" (p. 12). If operation is still not normal, it might not be possible to safely get in and out of the chair. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.

Daily Inspection Procedures

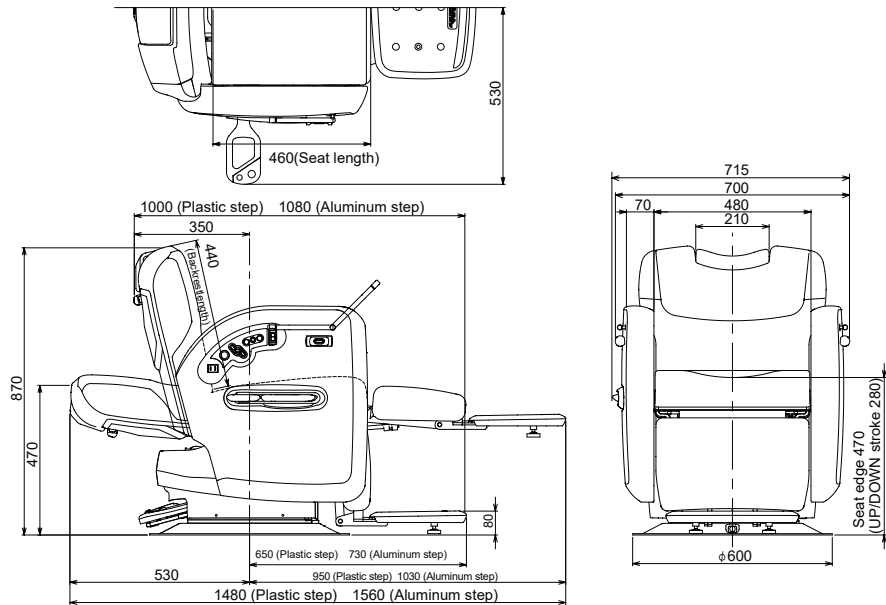
Inspection Items	Inspection Procedures	Recovery Procedures if there is a Problem
<input type="checkbox"/> Check that the chair operates normally.	<input type="checkbox"/> Check that the chair backrest can be reclined and raised by using the backrest switch. <input type="checkbox"/> Check that the chair legrest can be raised and lowered by using the legrest switch. <input type="checkbox"/> Check that chair rotation can be locked and unlocked by using the rotation lock switch.	<input type="checkbox"/> Perform the procedures indicated in "(3) Reclining and Raising the Backrest" under "Use Procedures" (p. 14-15). If operation is still not normal, it might not be possible to safely get in and out of the chair. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Perform the procedures indicated in "(3) Reclining and Raising the Backrest" under "Use Procedures" (p. 14). If operation is still not normal, it might not be possible to safely get in and out of the chair. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Perform the procedures indicated in "1. Rotate the chair so that the customer can be easily seated on the chair." of "(1) Guiding Customers" under "Use Procedures" (p. 10). If operation is still not normal, it might not be possible to safely get in and out of the chair. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.
<input type="checkbox"/> Check that there are no abnormal noises emitted from the chair.	<input type="checkbox"/> Check that there is no wobbling or abnormal noise when operating the chair.	<input type="checkbox"/> If there is any wobbling or abnormal noise when operating the chair, stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.
<input type="checkbox"/> Check that there are no abnormal odors emitted from the chair.	<input type="checkbox"/> Check that no abnormal odors or smoke is being emitted from the chair.	<input type="checkbox"/> Using the chair in such condition can result in abnormal operation or fire. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.
<input type="checkbox"/> Check that no oil is leaking.	<input type="checkbox"/> Check that the chair stops at the desired position for a fixed period and does not sink. <input type="checkbox"/> Check that no oil has dripped on the top of the base and oil is not seeping from the pump cover.	<input type="checkbox"/> If the chair does not stop for a fixed period and sinks, stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors. <input type="checkbox"/> Oil might be leaking from hydraulic parts. Stop using the chair, turn off the power, unplug the power plug, and contact Takara Belmont or its distributors.

Specifications

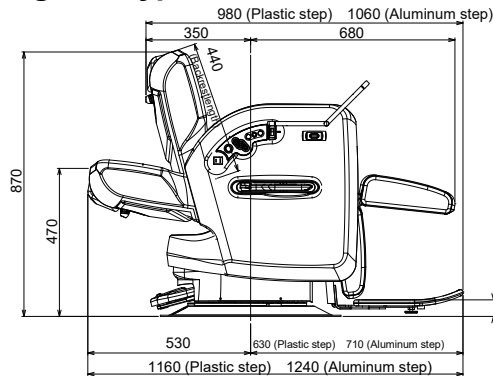
Model No.	AB-MF
Weight	135 kg
Maximum load	1350 N (135 kgf)
Usage environment	Temperature 0 ~ 40°C Humidity 10 ~ 95% (No condensation) Air pressure 700 ~ 1060 hPa
Transportation / Storage environment	Temperature -20 ~ 70°C Humidity 10 ~ 95% (No condensation) Air pressure 700 ~ 1060 hPa

Rated voltage	AC 240 V	AC 230 V	AC 220 V		AC 120 V		AC 110 V
Rated frequency	50 Hz	50 Hz	50 Hz	60 Hz	50 Hz	60 Hz	60 Hz
Rated consumption current	2.3 A	2.2 A	2.0 A	2.2 A	5.7 A	4.2 A	4.2 A

■ Legrest-Step Linked Type



■ Independent Legrest Type



* Dimensions and specifications are subject to change without notice due to design improvement. Standard values are indicated (Unit: mm).

Standard Use Period

- The standard use period of this chair is 10 years.
- The standard use period is "an approximate standard period for which the chair can be safely used with no impediments to safety under the standard use conditions for each chair and while performing proper maintenance and inspection (including parts replacement). This is not a warranty period. The length of the "standard period" differs depending on the use environment and frequency of use of the customer.

Disposing of this Product

Dispose of this chair and replaced parts in a proper manner that complies with local laws and regulations at the time of disposal.

MANUFACTURER



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