



Operation Manual



(The picture shows AB-HPPN)

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

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

Failure to read this operation manual may lead to accidents.

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 operation manual in a secure location and refer to it whenever necessary.

Inform Takara Belmont of the book number on the back cover to obtain a new operation manual if this booklet becomes torn, damaged, unreadable, or lost.

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Safety Precautions (Must be Obeyed)

■ Before Use

Be sure to thoroughly read these precautions 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.

■ About the Precautions Listed Here

The precautions 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 precautions describe important items related to safety. Be sure to always obey all the precautions contained in this manual. Takara Belmont has absolutely no responsibility for accidents that might be caused by failure to obey "Safety Precautions", "Notes for Use" and "Notes 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 cautionary symbols is provided below. Be sure that you fully understand their contents before reading the rest of this manual.

| Classification of Precautions | Level of Harm 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. |

WARNING

Use a single outlet (do not share an outlet with other plugs).

Use an shared outlet with an attached ground terminal which is perfect for rated voltage and current of this production* outlet with an attached ground terminal.

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

* 110, 120, 220, 230, 240 V AC (7 A or more)

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.

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

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.

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 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.

Do not disassemble or repair the chair.

Disassembly or repair must only be done by a qualified service staff.

Disassembly by yourself can result in an accident, a malfunction, electric shock or fire.

Safety Precautions (Must be Obeyed)



WARNING

Firmly 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 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.

Hold by the power plug when unplugging.

Do not pull the cord to remove the power plug from the outlet. 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.

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 connect the earth (ground) to the following objects.

- 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 dedicated grounding wire

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.

Installation precautions

- Installation of this chair must be performed by specialized personnel (personnel from Takara Belmont or Takara Belmont specified representative).
- 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.

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.

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 being pinched by the chair, resulting in injury or damage.

Safety Precautions (Must be Obeyed)



WARNING

Precautions when changing 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 being pinched by the chair, resulting in injury or damage.
- The legrest moves in conjunction with the backrest. When changing the preset positions, be very careful that the step or the customer's feet will not contact any nearby equipment or other items.

Do not subject the legrest, armrests, or armrest control panel cover to an excessive load or force.

Do not subject the legrest, armrests, or armrest control panel cover to an excessive (more than necessary) load or force. Doing so can result in the chair tipping over or being damaged.

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 in order to ensure safety. 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.

Precautions for the surrounding area during chair operation

Before 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, chair rotation, legrest operation) or nearby. There is a danger of body parts being pinched by the chair, resulting in injury or damage.

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.

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.

Precautions when reclining/raising the backrest

- The space between the backrest and seat becomes narrow when the backrest is reclined. Check that the customer's hands, arms or clothes are not caught between the backrest and seat before reclining the backrest. There is a danger of body parts being pinched by the chair, resulting in injury.
- Carefully recline the backrest so that the headrest or backrest will not contact any shampoo bowl or nearby equipment.
- When you recline the backrest without using the headrest, support the customer's head with your hand so that the customer will not contact with the shampoo bowl.
- Before raising the backrest, check that the customer's arms or hands are not in between the backrest and armrests, and operate it safely.
- For the synchronized legrest type, the legrest rises when the backrest is reclined. Be very careful that the step or the customer's feet will not contact any nearby equipment or other items.
- For the synchronized legrest type, the legrest comes down when the backrest is raised. Make sure that no persons or objects are under the legrest, and operate it safely.

Safety Precautions (Must be Obeyed)



WARNING

Precautions during chair rotation

- Please rotate the chair after confirming that your customer is surely sitting.
- Confirm that there is no one around chair and be careful that the step etc. do not come in contact with the customers or equipment. Especially when the backrest is laid backward, check the position of customer's body, hands and foot, and keep the customer's safety. Then rotate the chair.
- Be careful that the power supply cord does not come in contact with the adjuster under the step.
- Be sure to always lock (secure) chair rotation by using the rotation lock switch after rotating the chair. Always be sure that the chair rotation is locked before moving the chair. There is a danger of injury or damage if the chair rotates suddenly.

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.
- 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. 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 when raising or lowering the chair

Before raising or lowering the chair, always be sure to check that there are no persons or objects near the chair or step, under the armrest or in the gap of the support arm and so on. There is a danger of body parts being pinched, resulting in injury or damage.

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

This chair is specially designed for providing procedures and services of indoor hair salons or esthetic salons. It can only be used by trained professional hairdressers, or by staff under the supervision of a trained professional hairdressers.

Do not let children play with the chair.

Do not let children play with the chair or stand on the backrest, armrests or other parts of the chair. Doing so can result in an accident or injury.

Do not let children fix or clean the chair.

Do not let a person unfamiliar with handling with the chair (lack of experience and skills), such as children fix or clean the chair. Failure to do so can result in an accident or injury.

Daily inspections are always carried out

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

California Proposition 65

Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Safety Precautions (Must be Obeyed)



CAUTION

Do not pull up the headrest more than necessary.

Be careful because doing so will make the headrest to completely come off 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 cloth.

Before operation, confirm that every part is working normally and safely.

Be constantly careful of and inspect for looseness, rattling, tilting, vibration, noise, 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 your closest dealer or Takara Belmont.

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 and not mistake the operation of the chair.

Do not allow any person whose weight exceeds 135 kg/300 lbf to sit in the chair.

Doing so can cause the chair to tip over or faulty operation.

Do not strongly strike or scrape the chair.

Doing so can result in tearing of covers and similar damage, and faulty operation. In particular, striking or strongly pushing plastic parts such as the backrest cover, the armrest control panel, and the pump cover can result in deformation or breakage.

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.

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

Turn off the power after use. Always operate the power switch by your hands only.

Do not place any objects on top of the power cord.

Do not place any 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.

Precautions for cleaning procedures

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, antiseptics with strong metal corrosion properties, povidone iodine (iodine solution), sodium hypochlorite, waxes containing abrasive compounds, 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.

Precautions when using the headrest

- Check that there are no impediments in the surrounding area when rotating the seat with the headrest pulled out.
- Be careful not to get water or any chemical on the headrest bar. Wipe off all moisture immediately if any water should get on this part. Otherwise, the headrest cannot be securely fixed because of corrosion or degradation of friction force due to rust.
- Do not apply excessive force to the headrest or strike it from above when it is pulled out. Doing so can result in damage.
- When storing the headrest, be sure to hold it at the headrest to lower it and make sure that your fingers, hands, or other body parts are not pinched in between the headrest and backrest.

Safety Precautions (Must be Obeyed)



CAUTION

Be careful that the power supply code does not come in contact with the adjuster under the step.

Be careful that the adjuster does not rub against the floor and does not catch on the power supply code when you rotate the chair for adjusting the adjuster.

And adjust it so that the chair does not turn over when the customer gets on the step.

Precautions when using the cape holder

- Do not apply excessive force to the cape holder as it can only withstand a load of 10 N (1 kgf/2.2 lbf).
- Be sure to always return it to the stored state 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.

Unplug the power plug during installation of the chair and parts replacement.

Unplug the power plug during installation of the chair and parts replacement. Failure to do so can result in an accident or injury.

Notes for Use



CAUTION

Immediately wipe off any chemical that spills on the chair.

Immediately wipe off any chemicals adhering to the leather or pump cover.

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.

Do not use this chair for any applications other than hairdressing/beauty-related procedures.

This product is designed for commercial use in barber shops and beauty salons.

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

Do not apply heat

Do not apply heat to the chair. Doing so can result in deformation or discoloration.

Recline the backrest at the end of the day

When you have finished working for 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.

NOTE

**The maximum load of this chair is 1,350 N (135 kgf/300 lbf).
The raising speed of the seat declines as the maximum load is approached.**

Locations of Warning Labels



| ⚠ WARNING | ⚠ WARNING | ⚠ WARNING |
|--|---|--|
| For public occupancy use only. Pour usage publique seulement. | This furnishing has not been evaluated for flammability or cigarette ignition resistance. Cet ameublement n'a pas été évalué pour les tests de flammabilité et de résistance à l'ignition par une cigarette. | Warning risk of injury maximum load 300 pounds. Danger /Risque de blessure/Charge maximale 300 lbs. |
| Refer to the Operation Manual for other notes. | | |

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

Notes 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

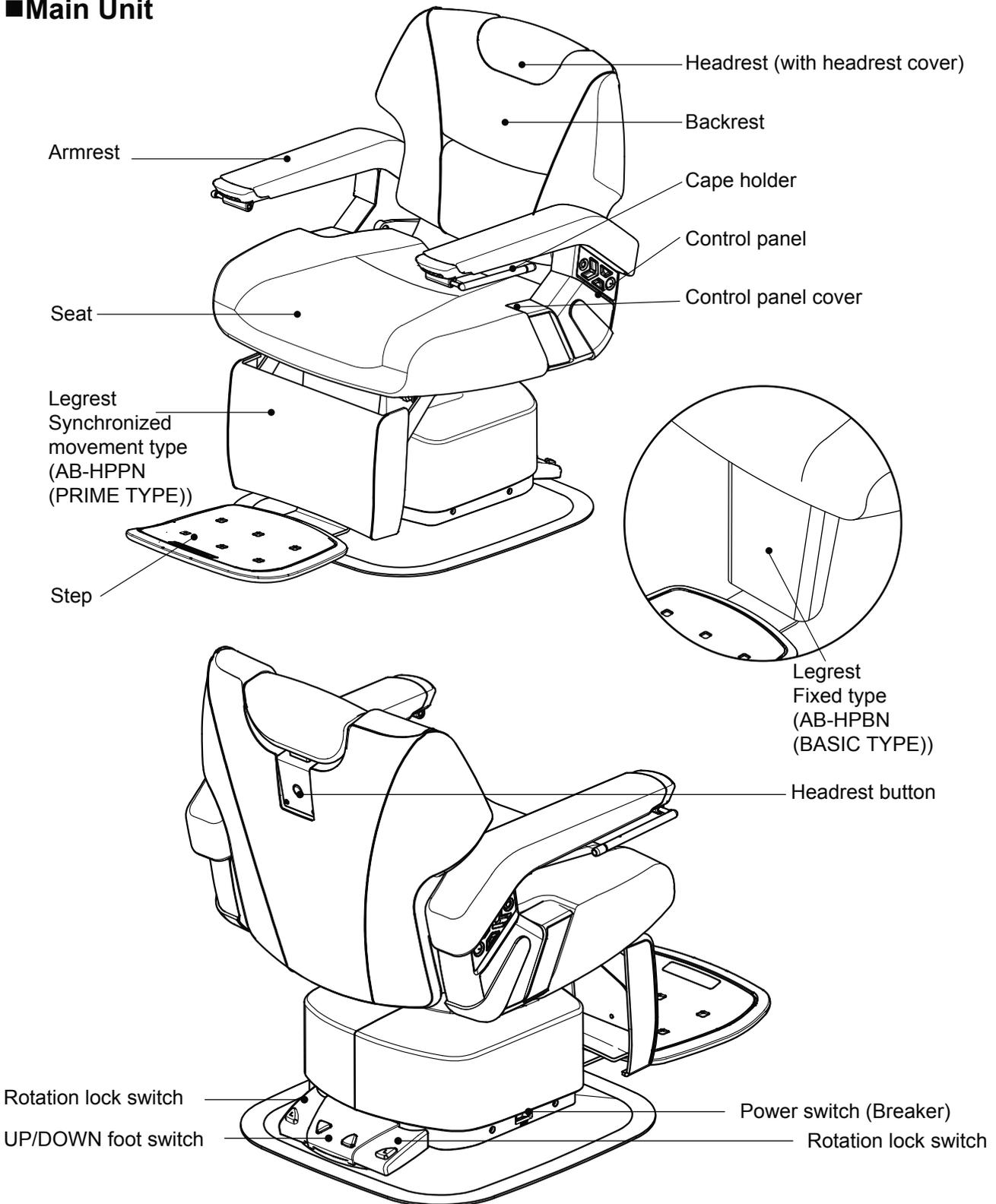
- Operation manual (this manual)
- Rubber ring

- Installation manual
- Step (with adjuster)

- Flange nut (M6) 3 pcs.

Name of Components

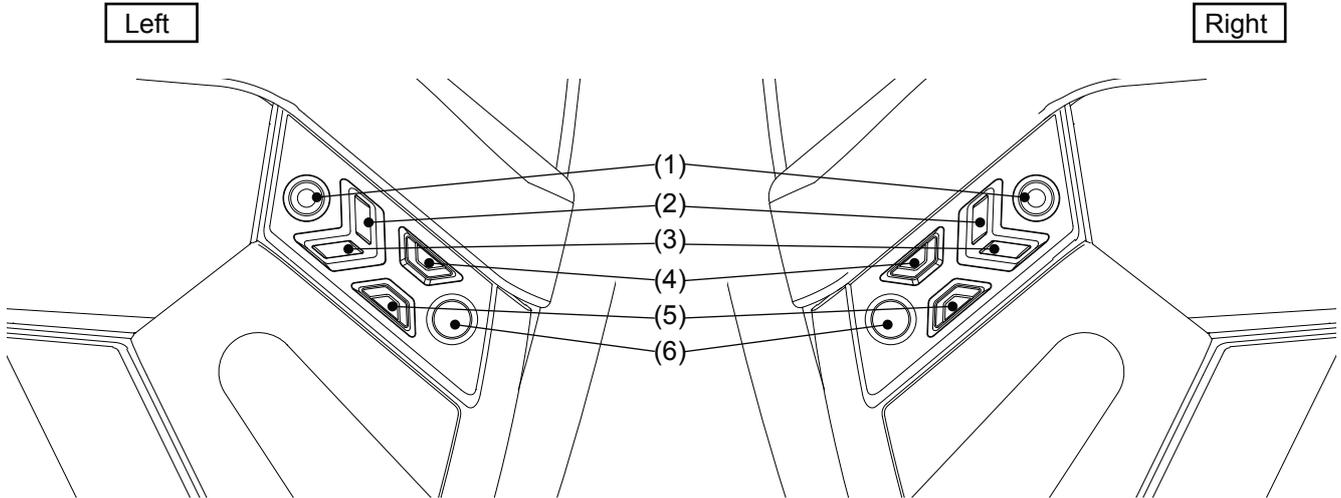
■Main Unit



Name of Components

■ Operating Section

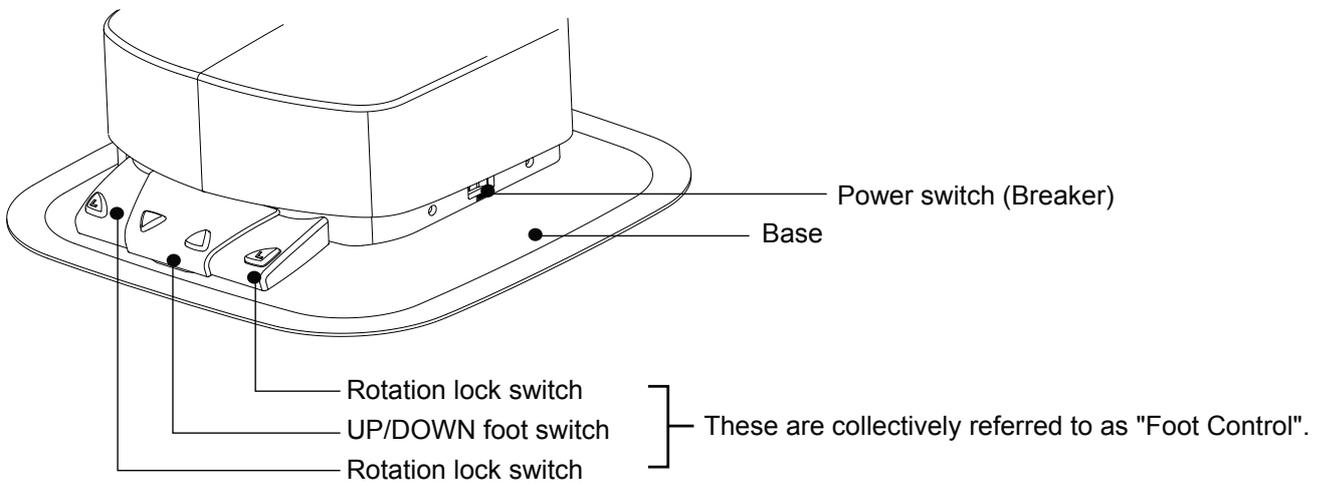
Control Panel



- (1) Rotation lock switch
- (2) Backrest switch
- (3) UP/DOWN switch
- (4) Preset switch P1
- (5) Preset switch P2
- (6) Auto-return switch

These are collectively referred to as the "Control Panel".

Foot Control



Preparation

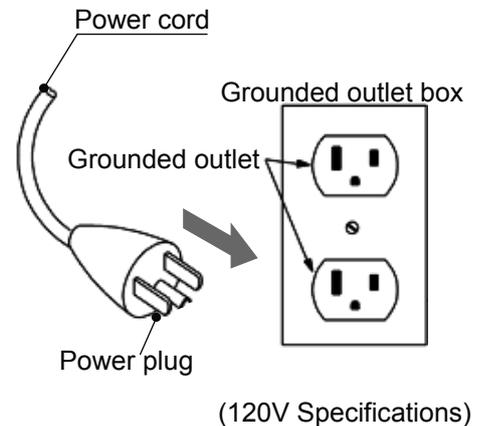
■ Power Supply

1. Insert the power plug into the outlet.

⚠ WARNING

- Use an shared outlet with an attached ground terminal which is perfect for rated voltage and current of this production* outlet with an attached ground terminal. Using the same outlet together with the power plug of other devices can result in abnormal heat generation and possible fire.
 - 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 outlet. Hold by the power plug when removing.
 - Do not connect the earth (Grounding pin) to the following objects.
 - Gas or water pipes, lightning rods and telephone dedicated grounding wire.
 - 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.
- * 110, 120, 220, 230, 240 V AC (7 A or more)

The chair must absolutely be grounded in order to prevent electric shock.

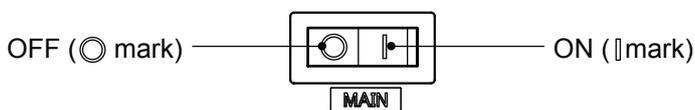


2. Turn on the power.

The power switch is located at the base.

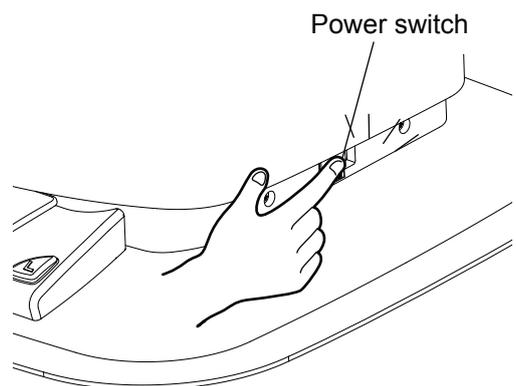
Press the side with the  mark to turn the power on.

Press the side with the  mark to turn the power off.



<Power switch>

⇒ When the power is turned on with the chair rotation lock released, the chair rotation gets locked automatically.



⚠ 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

- Always operate the power switch by your hands only.
- When the power is turned on, the chair rotation gets locked automatically.

How to Use

(1) Guiding Customers

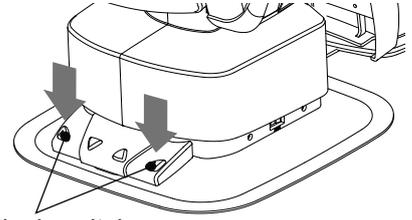
1. Rotate the chair so that the customer can be easily seated on the chair.

1 Release the base rotation with the rotation lock switch.

Pressing the rotation lock switch either at the foot control or the control panel releases the base rotation.

Chair rotation is locked by hydraulic system. Each press of the rotation lock switch alternately locks and releases the base rotation.

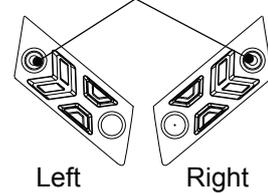
<Foot Control>



Rotation lock switch

<Control Panel>

Rotation lock switch



Left

Right

2 Rotate the chair.

Hold the backrest or armrests when rotating the chair.
The chair is 360 degrees rotatable.

3 Fix the chair in a work position.

Stop the chair at the desired work position and press the rotation lock switch either at the foot control or the control panel. The chair is locked and prevented from rotating.

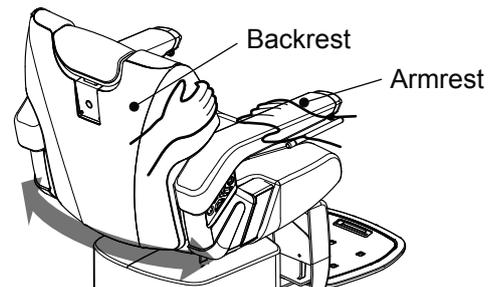
⇒When the chair rotation lock is released, the chair rotation gets locked automatically in the following cases.

When the power switch is turned on.

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

When any of the switches are pressed.

Chair rotation gets locked automatically if any of the switches at the foot control or the control panel is pressed.



Backrest

Armrest

WARNING

- 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 followings 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.
- Always be sure to lock the chair when not rotating it.
- When the power is turned on, the chair rotation gets locked automatically.

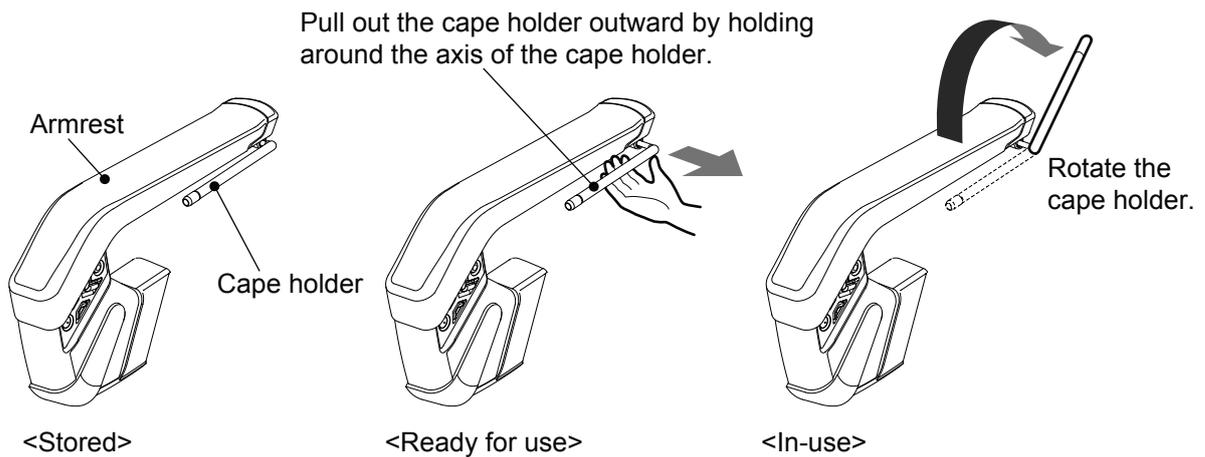
How to Use

2. Using the cape holder

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.

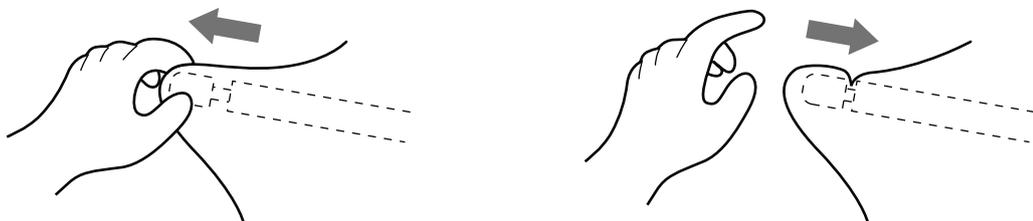
1 Pull the cape holder located at the edge of the armrest outward, and rotate it forward.



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

(1) Pull from over the cutting cape.

(2) Pinch the cutting cape and release it.



CAUTION

- Do not apply excessive force to the cape holder as it can only withstand a load of 10 N (1 kgf/1.2 lbf).
- Be sure to always return it to the stored state 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.

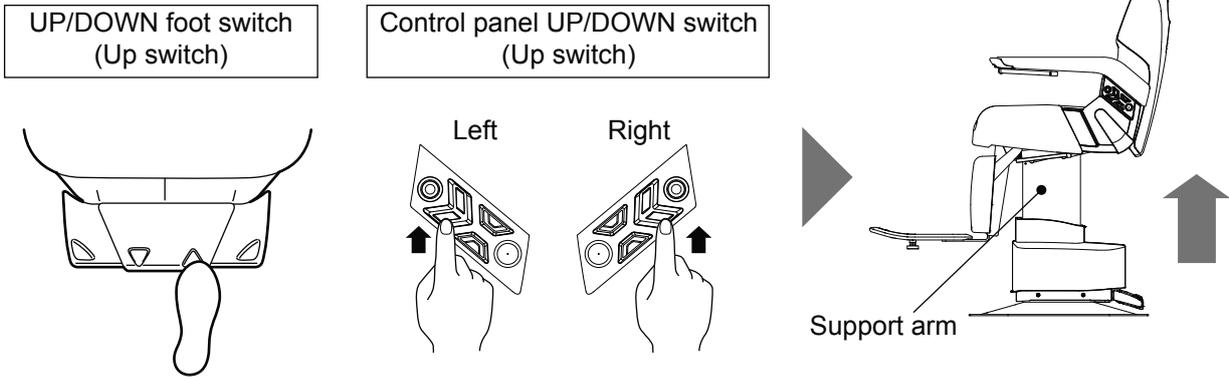
How to Use

(2) Raising/Lowering the Chair

1. Raising the chair

To raise the chair, step on the right side of the UP/DOWN foot switch at the foot control or press the UP/DOWN switch of the control panel (right or left) upwards.
The chair is raised while stepping on (pressing) the switch.

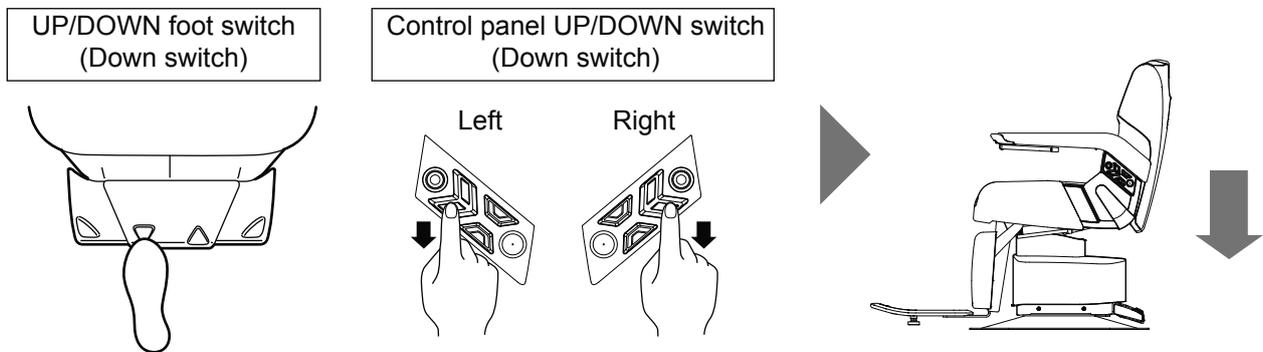
⇒ If any of the switches are pressed while the chair rotation lock is released, chair rotation gets locked automatically.



2. Lowering the chair

To lower the chair, step on the left side of the UP/DOWN foot switch at the foot control or press the UP/DOWN switch of the control panel (right or left) downwards.
The chair is lowered while stepping on (pressing) the switch.

⇒ If any of the switches are pressed while the chair rotation lock is released, chair rotation gets 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 being pinched, resulting in injury or damage.

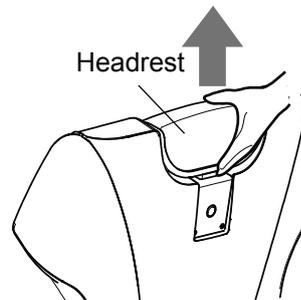
How to Use

(3) Reclining/Raising the Backrest

1. Pull out the headrest.

Use the headrest when supporting the customer's head is needed, such as for shaving.
Do not use the headrest if it is not needed, such as for back shampooing.

1 Put your hand in between the headrest and backrest to pull up the headrest.



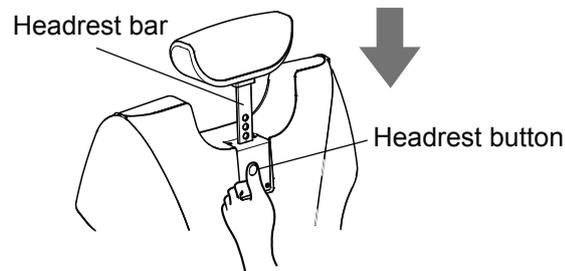
2 Adjust the headrest to the height of the customer's head.

The headrest can be adjusted in eleven height levels. The headrest can be pulled up without pressing the headrest button.

If you pull up the headrest more than necessary, press the headrest button to lower the headrest and adjust it again.

* If the headrest bar comes off the chair body, press and hold the headrest button and insert back the headrest bar.

The headrest should be fixed at one of the eleven adjustment positions. The positions where you hear clicks when pulling up the headrest are the positions where the headrest can be fixed.



CAUTION

- Be careful in pulling up the headrest more than necessary because doing so will make the headrest to come off the chair.
- Check that there are no impediments in the surrounding area when rotating the seat with the headrest pulled out.
- Be careful not to get water or any chemical on the headrest bar. Wipe off all moisture immediately if any water should get on this part. Failure to do so can prevent the headrest from being securely fixed because of corrosion or degradation of friction force due to rust.
- 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 sure to hold the headrest when lowering it to store it, and be careful that your fingers, hands, and other body parts are not pinched in between the headrest and the backrest.
- Be sure to always store the headrest when performing a back shampooing. Otherwise, the shampoo bowl will interfere with the headrest possibly resulting in breakage.

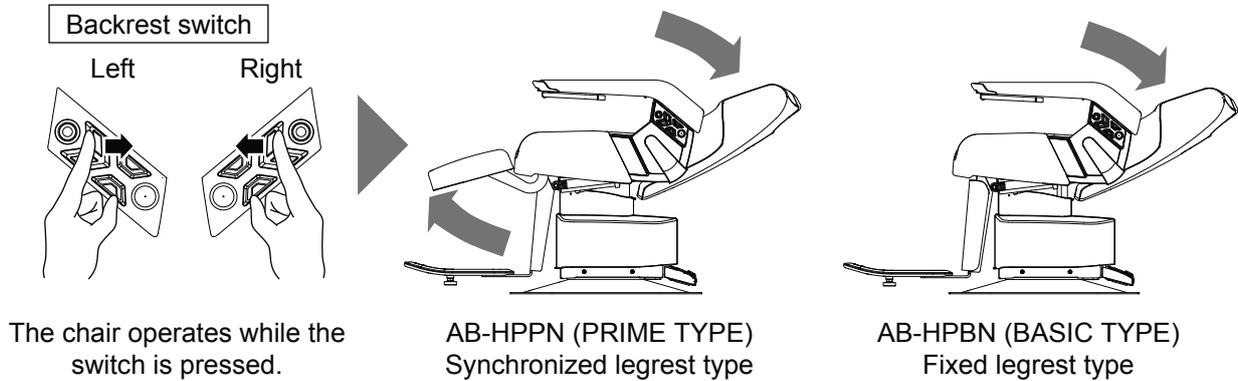
How to Use

2. Reclining the backrest

Push the backrest switch of the control panel (right or left) in the direction of the arrow as shown in the below-left figure to recline the backrest.

The backrest reclines while the switch is pressed. For the synchronized legrest type, the legrest is simultaneously raised when the backrest is reclined.

⇒If the chair rotation lock is released, the chair rotation gets locked automatically when you press the backrest switch.



! WARNING

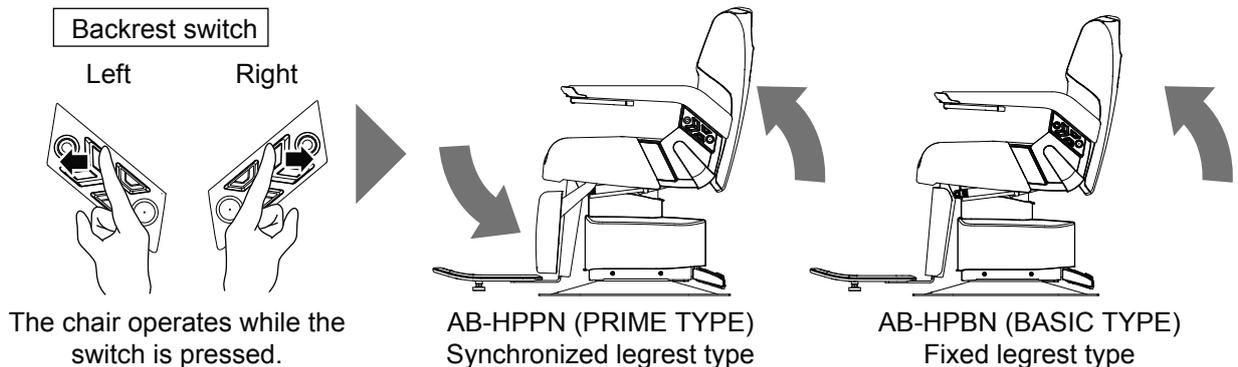
- The space between the backrest and seat becomes narrow when the backrest is reclined. Check that the customer's hands or arms are not between the backrest and seat before reclining the backrest.
- For the synchronized legrest type, the legrest rises when the backrest is reclined. Be very careful that the step or the customer's feet will not contact any nearby equipment or other items.

3. Raising the backrest

Push the backrest switch of the control panel (right or left) in the direction of the arrow as shown in the below-left figure to raise the backrest.

The backrest rises while the switch is pressed. For the synchronized legrest type, the legrest is simultaneously lowered when the backrest is raised.

⇒If the chair rotation lock is released, the chair rotation gets locked automatically when you press the backrest switch.



! WARNING

- Before raising the backrest, check that the customer's elbows or hands are not in between the backrest and armrests, and operate it safely.
- For the synchronized legrest type, the legrest comes down when the backrest is raised. Make sure that no persons or objects are under the legrest, and operate it safely.

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

How to Use

(4) Using Preset Functions

1. Using the preset function

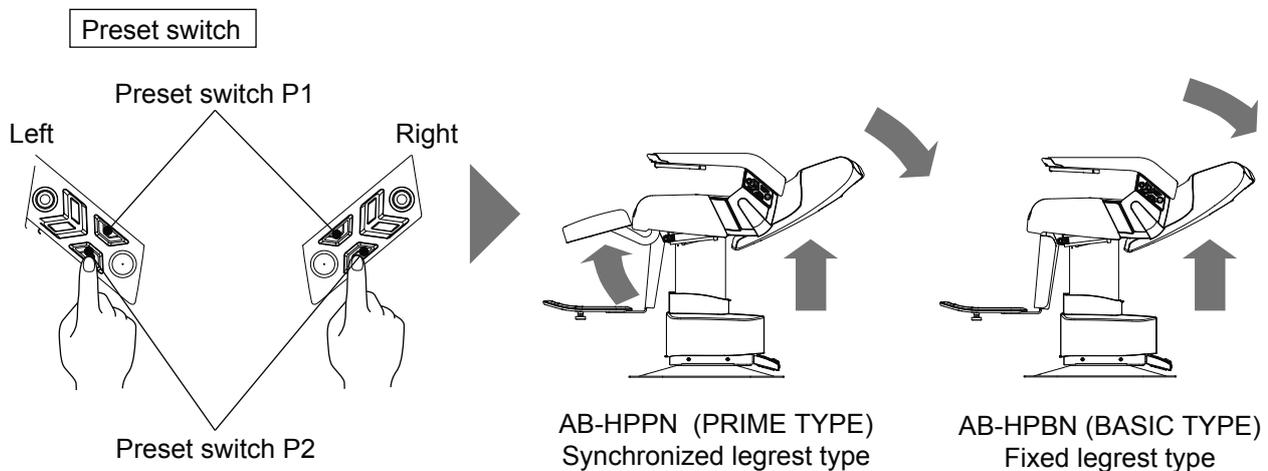
A press of the preset switch moves the chair to the preset position.
Two preset positions are available for this chair.

1 Pull the headrest out to the desired position previously if you need to use it.

2 Press the preset switch at the control panel (right or left) once.

The chair height, backrest angle and legrest angle (for synchronized legrest type) move to the preset position.

⇒ If the chair rotation lock is released, the chair rotation gets locked automatically when you press the preset switch.



<Adjusting Preset Positions>

Although the setting positions of the preset switches are previously set when shipped from the factory, you can change to the positions to match your customers.

Perform the following procedures to change the preset positions.

- (1) Move the chair to the desired position.
- (2) Turn off the power switch, and then press and hold down a preset switch (P1 or P2) 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

For the synchronized legrest type, the legrest moves in conjunction with the backrest. When changing the preset positions, be very careful that the step or the customer's feet will not contact any nearby equipment or other items.

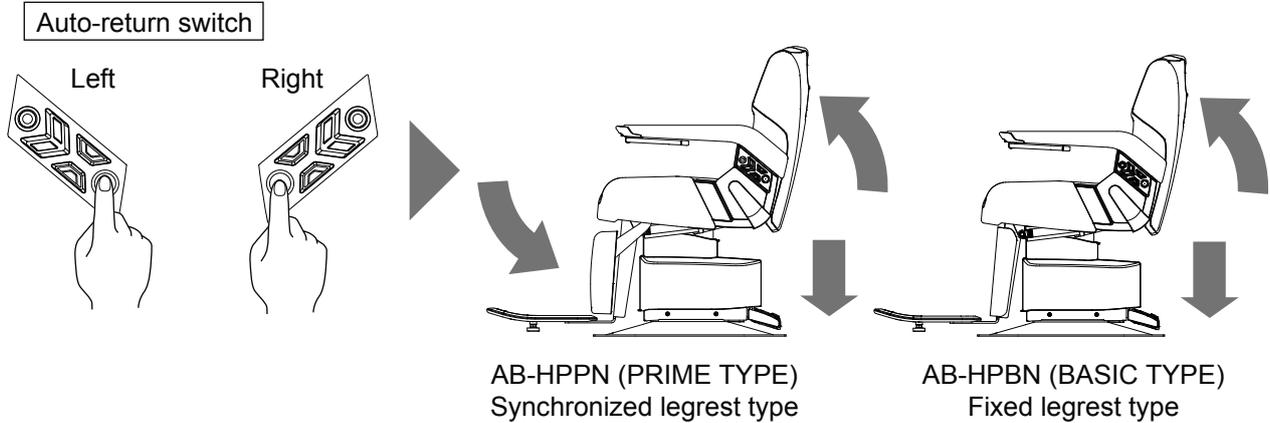
How to Use

2. Using the auto-return function

Press the auto-return switch on the control panel (right or left) once.

The chair height, backrest angle, and legrest angle (synchronized legrest type) return to their initial position for getting in/out of chair. (An electronic "pough" sound is emitted to notify you that operation is starting.)

⇒ If the chair rotation lock is released, the chair rotation gets locked automatically when you press the auto-return switch.



WARNING

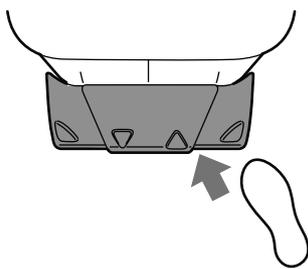
Before using the auto-return function, make sure that no persons or objects are under the step or in the support arm area, and operate it safely.

3. Canceling an operation

Press any of the switches at the foot control or the control panel if you want to suspend preset/auto-return operation. The cancel function operates to stop chair movement.

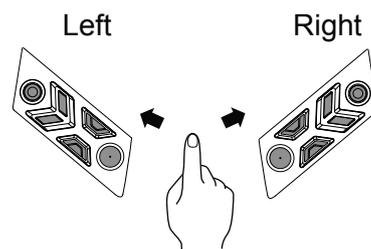
(An electronic beep is emitted only when the auto-return operation is canceled.)

Foot Control



Control Panel

Pressing any of the switches at the control panel (right or left) will stop the operation.



 Pressing any of the switches shaded in gray will stop the operation.

Care and Maintenance

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 outlet 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%. Then, wipe the area with a dry cloth.

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%. Then, wipe the area with a dry cloth.

Operating Parts Metal Parts

Wipe clean using a dry soft cloth.

Do not clean these parts with a wet 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, strong metal corrosion properties, povidone iodine (iodine solution), sodium hypochlorite, waxes containing abrasive compounds, 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.
- The metal part and mechanical section of the chair have sharp portions. Be careful when cleaning the chair that your hands, fingers or other body parts are not injured.
- 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 immediately 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.

⚠ WARNING

- This chair is an electronic device. Do not sprinkle with water to clean it. Washing in such a manner can result in a malfunction 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.

To use a chair that has not been used for an extended period, clean before using and be sure to check that the chair operates safely without any error.

■ 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 result 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 hair 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. Immediately wiping off any adhering hairstyling product is the best method to prevent any problems of this type.

Daily Inspection

Perform inspection according to the "Daily Inspection Procedures" indicated on pages 20 and 21 of this operation manual in order to ensure safe use of this chair.

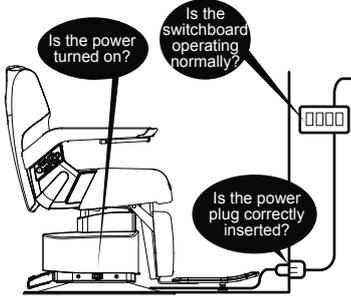


WARNING

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, conduct the checks outlined before requesting repair.

| Problem | Check Points | Recovery Procedures |
|--|--|---|
| <p>■ Chair does not move.</p>  | <ul style="list-style-type: none"> ■ Is the power plug correctly inserted? ■ Is the power switch turned on? ■ Has a fuse of the shop's switchboard or breaker been tripped? ■ Has the chair been continuously operated for an extended period? | <ul style="list-style-type: none"> ■ Correctly insert the power plug. (p. 10) ■ Turn on the power. (p. 10) ■ Replace the fuse of the switchboard or turn on the breaker. ■ 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. <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">Overheating Prevention Device</div> <p>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> |

These are not malfunctions

| | |
|--|---|
| <ul style="list-style-type: none"> ■ Abnormal sound at startup ■ Slow movement of the chair ■ Sound when rotating the chair | <ul style="list-style-type: none"> ■ Such sound is due to the internal hydraulic fluid being cold. It is not a functional fault and should stop shortly thereafter. ■ Such movement is due to the internal operating fluid being cold. Raise the room temperature or continue operating for a short period. It will recover to the normal condition. ■ 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 your closest dealer or Takara Belmont.

Daily Inspection Procedures

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

•Daily Inspection Procedures

| Inspection Item | Inspection Procedures | Recovery Procedures if there is a Problem |
|--|--|---|
| <input type="checkbox"/> Check that the chair operates normally. | <input type="checkbox"/> Turn on the power switch, and check that a double beep with one to two 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 foot switches of the chair. <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 backrest switch. (For AB-HPPN only.) | <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 your closest dealer or Takara Belmont. <input type="checkbox"/> Perform the procedures indicated in "1 Using the Preset Function" under "How to Use" (p. 16). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont. <input type="checkbox"/> Perform the procedures indicated in "2 Using the Auto-return Function" under "How to Use" (p. 17). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont. <input type="checkbox"/> Perform the procedures indicated in "(2) Raising/Lowering the Chair" under "How to Use" (p. 13). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont. <input type="checkbox"/> Perform the procedures indicated in "2 Reclining the Backrest" and "3 Raising the Backrest" under "How to Use" (p. 15). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont. <input type="checkbox"/> Perform the procedures indicated in "2 Reclining the Backrest" and "3 Raising the Backrest" under "How to Use" (p. 15). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont. |

Daily Inspection Procedures

| Inspection Item | Inspection Procedures | Recovery Procedures if there is a Problem |
|--|---|--|
| <p><input type="checkbox"/> Check that the chair operates normally.</p> <p><input type="checkbox"/> Check that there are no abnormal odors emitted from the chair.</p> <p><input type="checkbox"/> Check that no oil is leaking.</p> | <p><input type="checkbox"/> Check that chair rotation can be locked and unlocked by using the rotation lock switch.</p> <p><input type="checkbox"/> Check that there is no wobbling or abnormal noise when operating the chair.</p> <p><input type="checkbox"/> Check that the chair stops at the desired position for a fixed period and does not sink.</p> <p><input type="checkbox"/> Check that no abnormal odors or smoke is being emitted from the chair.</p> <p><input type="checkbox"/> Check that no oil has dripped on the top of the base or oil is not seeping from the pump cover.</p> | <p><input type="checkbox"/> Perform the procedures indicated in "(1) Guiding Customers" under "How to Use" (p. 11). If operation is still not normal, it might not be possible to safely use the chair. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont.</p> <p><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 your closest dealer or Takara Belmont.</p> <p><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 your closest dealer or Takara Belmont.</p> <p><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 your closest dealer or Takara Belmont to inform of the abnormal situation.</p> <p><input type="checkbox"/> Oil might be leaking from hydraulic parts. Stop using the chair, turn off the power, unplug the power plug, and contact your closest dealer or Takara Belmont.</p> |

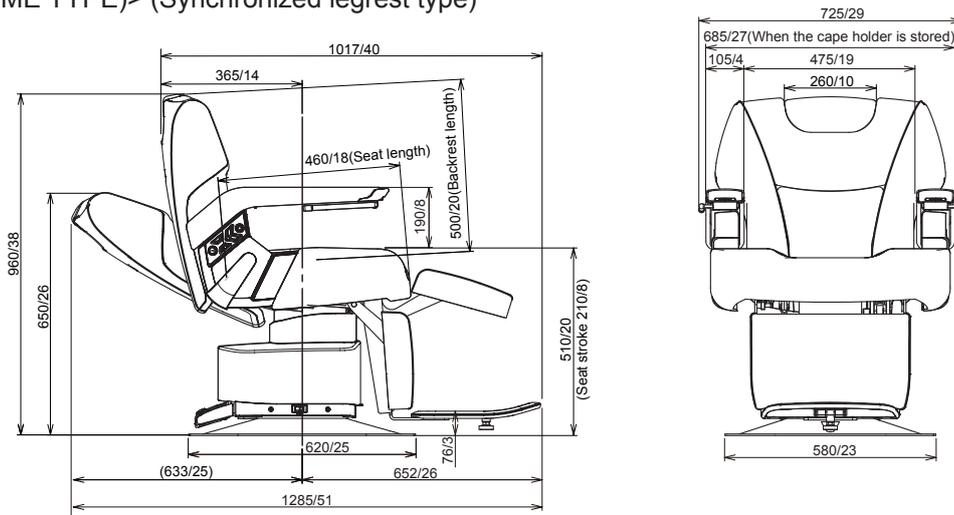
Specifications

| Model No. | AB-HPPN (PRIME TYPE) | AB-HPBN (BASIC TYPE) |
|--------------------------------------|--|--|
| Weight | 115 kg (254 lb) | 112 kg (247 lb) |
| Max. load | 1350 N (135 kgf/300 lbf) | 1350 N (135 kgf/300 lbf) |
| Operating noise volume | 70 dB or less | 70 dB or less |
| Usage environment | Temperature 0 ~ 40°C Humidity 10 ~ 95% Air pressure 700 ~ 1060 hPa | Temperature 0 ~ 40°C Humidity 10 ~ 95% Air pressure 700 ~ 1060 hPa |
| Transportation / Storage environment | Temperature -20 ~ 70°C Humidity 10 ~ 95% Air pressure 700 ~ 1060 hPa | Temperature -20 ~ 70°C Humidity 10 ~ 95% Air pressure 700 ~ 1060 hPa |

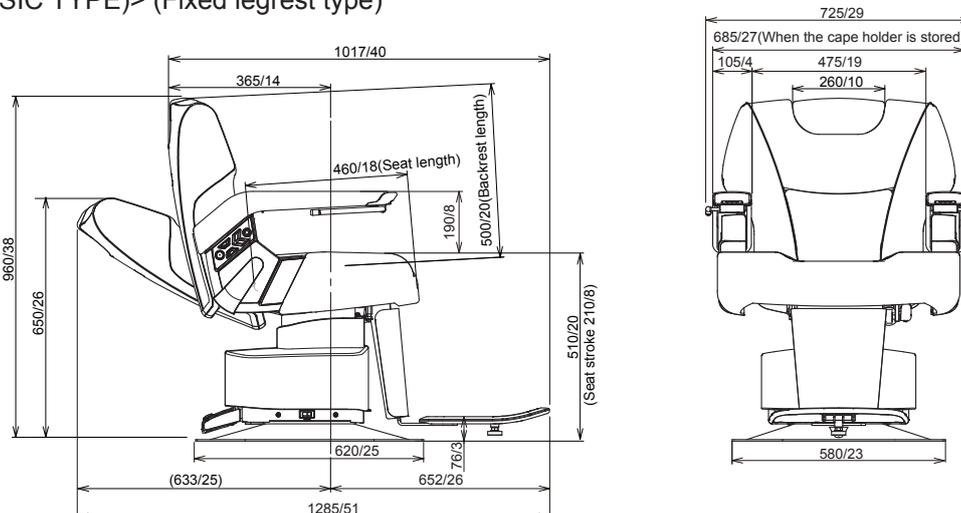
| | | | | | |
|-----------------|----------|----------|-----------|-----------|----------|
| Rated voltage | 240 V AC | 230 V AC | 220 V AC | 120 V AC | 110 V AC |
| Rated frequency | 50 Hz | 50 Hz | 50/60 Hz | 50/60 Hz | 60 Hz |
| Rated current | 2.1 A | 2.0 A | 1.8/2.0 A | 5.4/3.9 A | 3.9 A |

※ The applicable voltage differs depending on the region of the use.

<AB-HPPN (PRIME TYPE)> (Synchronized legrest type)



<AB-HPBN (BASIC TYPE)> (Fixed legrest type)



*Dimensions and specifications are subject to change without notice due to design improvement.

*Standard values are indicated (Unit: mm/inch).

Standard Period of Use

- The standard period of use of this chair is 10 years.
- The standard period of use 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.

For maintenance after the standard period of use, contact your closest dealer or Takara Belmont.

Disposing of this Product

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

NOTE

NOTE

NOTE



TAKARA BELMONT CORPORATION

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Printed in Japan 1906

BOOK.No : 1E04K3EE

Original instruction