

DENTAL CHAIR

CLESTA eIII

INSTALLATION AND OPERATION INSTRUCTIONS

IMPORTANT

- **This manual provides installation and operating instructions for the CLESTA eIII chair.**
- **The instructions contained in this booklet should be thoroughly read and understood before operating the chair.**
- **After the installation has been completed, keep this manual in a safe place and refer to it for future maintenance.**
- **If you have any questions about this Manual or this product, please contact us. If manual becomes unreadable or is lost, please request a new manual by contacting your dealer.**
- **Installation should be conducted by authorized personnel only. Follow instructions on installation manual.**



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INTENDED USE OF THE PRODUCT

This product is an active therapeutic device intended for the exclusive use for diagnoses, treatments and relative procedures of dentistry.

The product must be operated or handled by the qualified dentists or by dental staffs under the supervision of the dentist.

Such dentists or dental staffs should instruct and/or assist the patients to approach to and leave from the product.

Patients should not be allowed to operate or handle the product unless he/she is so instructed.

CAUTIONS

In case of the troubles, please contact Takara Belmont offices or your dealers.















Do not disassemble or attempt to repair.

Disassembly, repair or modifications should only be done by a qualified repair technician.

Attempts at disassembly, repair or modifications may lead to abnormal operation and accidents.



SYMBOLS

Following symbols are used in this manual of CLESTA eIII Chair. Confirm the meaning of each symbol.

| | | | | | | | |
|---|--|---|-------------------------------------|---|-------------------------|---|-----------------------|
|  | ON (power) |  | OFF (power) |  | Type B Applied Parts |  | Chair manual control |
| LP | Chair last position | 0 | Chair auto return | 1 | Chair preset1 | 2 | Chair preset2 |
|  | To raise the chair |  | To lower the chair |  | To Recline the backrest |  | To raise the backrest |
|  | Alternating current |  | Protective earth (ground) |  | Manufacturer |  | Date of manufacture |
|  | Caution It means "caution, warnings, or possibility to danger". |  | Refer to instruction manual/booklet | | | | |

SAFETY PRECAUTIONS

- Before use, read the “Safety precautions” carefully to ensure proper use.
- The following information is designed to ensure safe use of this product and to prevent injury and damage to you and others. The precautions contained here are classified depending on the severity and degree of imminence of possible injury or damage resulting from improper use. Be sure to follow all the information, which is important for safety.

| Classification of precautions | Severity and degree of imminence of possible injury or damage |
|--|---|
|  WARNING | This symbol indicates that “ignorance of these precautions may lead to severe injury or even death as a result of improper use.” |
|  CAUTION | This symbol indicates that “ignorance of these precautions may lead to mild or moderate physical injury or damage to property as a result of improper use.” |
| NOTICE | This symbol indicates that “it is recommended to follow these precautions for safety.” |

WARNING

1. Be sure to turn off breakers for equipment in the clinic when this product will not be used for a long period of time

Be sure to turn off breakers for equipment in the clinic when this product will not be used for a long period of time (following the completion of work, during the suspension of business, etc.). Insulation degradation may cause electrical fire.

2. Be sure to turn off the main switch upon completion of work or during work breaks

Be sure to turn off the main switch upon completion of work or during work breaks. This prevents incorrect operation due to accidental contact and associated hazards.

3. Never disassemble, repair or modify this product

Individuals other than certified repair technicians should not disassemble or attempt to repair and modify this product. This could lead to an accident, failure, electric shock or fire.

4. Be sure to establish a grounding connection

Be sure to establish a proper grounding connection. (Refer to a vendor for grounding connection.) Failure or electric leakage may lead to electric shock.

5. Use with caution in the presence of electromagnetic interference waves

Do not place this product around equipment generating electromagnetic waves (including communications equipment, elevators, etc.) as incorrect operation of this product may occur in the presence of electromagnetic interference waves. Do not use equipment generating electromagnetic waves, such as mobile phones, around this product.

6. Do not sit on other than seat

When the backrest is at the forward position, do not sit on or place an undue load on the headrest or legrest of dental chair. This could cause the unit to topple or could damage the unit.

7. Do not place an undue load on the arm

Do not get on or place an undue load on the dental chair armrest. This could cause the unit to topple or other accidents.

8. Immediately wipe off any water spills or leakage on the floor

Immediately wipe off any water spills or leakage on the floor. Decreased strength of the floor may lead to physical injury including fall, or property damage.

SAFETY PRECAUTIONS

WARNING

9. Be sure to turn off the main switch when electrocautery is in use

Be sure to turn off the main switch when electrocautery is in use, because noise may cause incorrect operation of this product.

10. Use with caution on patients with a cardiac pacemaker

Use this product with extreme caution on patients with a cardiac pacemaker. In the case of any abnormalities in patients during use, immediately turn off this product and discontinue use.

11. Pay attention during the headrest operation

- The headrest will be come off from the backrest in case of pulling too much.
- For single articulating headrest, be careful not to pinch your hands, fingers in the moving parts of the headrest lever or between the headrest section and the backrest section during operation.
- For twin articulating headrest (Optional), be careful not to pinch your hands, fingers in the moving parts of the headrest release button or between the headrest section and the backrest section during operation.

12. Ensure the maintenance of this product

- Failure to maintain this product may lead to physical injury or property damage.
- Refer to the section of maintenance.

13. Handling of equipment in the case of a power failure

Turn off the main switch if equipment stops working during use due to a power failure or other reasons.

CAUTION

1. Only experienced personnel should use this product

Only dentists or other dental professionals should use this product.

2. Confirm safety before use.

Before use, confirm that the parts are correctly and safely operating and that there are no obstacles around this product.

3. Pay attention to patients and children

Keep your eyes on patients (especially, children) so that mischief or inadvertent operation of equipment will not lead to unexpected accidents.

4. Discontinue use if you feel that “something is wrong”

Always be careful to inspect this product for looseness, rattling, tilting, wobbling, sounds, temperature, odors, etc. Immediately discontinue use at the first feeling that “something is wrong.”

5. Do not smack or rub this product

Do not smack or rub this product forcefully. This could cause damage to covers or defective function.

6. Keep your eyes on the patient during the chair operation.

- Confirm that the patient is seated in the proper position. Keep your eyes on the patient during the operation.
- Pay special attention to surroundings at automatic operation of the dental treatment table. Damage to the backrest, stool or Doctor's table may occur.

SAFETY PRECAUTIONS



7. Precautions for handling synthetic leather

● Stain caused by clothing dyes

The synthetic leather of this product may become stained by direct contact with clothes or belts. If there is stains, wipe clean as quickly as possible with a 10% detergent solution diluted using water to prevent permanent staining.

● Take care of deformation or stains due to direct contact

- Direct contact with other objects such as plastic products, painted items, solvents or adhesive tape may cause changes to the surface luster, cracking, deformation or peeling.
- Direct contact with newspaper or printed paper may cause stains.
- Direct contact with items of clothing such as printed images of T-shirts, or jeans may cause discoloration of the synthetic leather of this product.
- Direct contact with solvents such as benzene nail polish remover, alcohol may cause discoloration, melting of the surface, elution of the plasticizing agent, changes to surface luster, hardening/softening or peeling.
- Using bleach or bleached sheets may cause changes to surface luster or discoloration.
- Installing this product next to sources of excess heat such as irons or heaters may cause deformation or discoloration.
- Protect this product from direct sunlight by installing curtains. Failure to follow this instruction may cause changes, shrinking, discoloration or fading of the leather surface.
- Placing heavy objects for a long period of time may leave an imprint of wrinkles on the synthetic leather that cannot be removed.

8. Be sure to operate switches with your hands

Be sure to operate switches with your hands, except the foot controller, which is operated with your foot. Operation with body parts other than hands may cause damage or incorrect operation.

9. Immediately wipe off drug solution when it comes into contact with this unit

Should drug solution or water comes into contact with this unit, immediately wipe it off with a dry soft towel, etc. This could result in defective function or electric leakage as well as spotting or rusting.

10. Pay attention of the seating area

Do not place any hard and heavy article or any article having a sharp tip or edge on the chair's seating area. The synthetic leather may be damaged otherwise.

11. Precautions for cleaning and disinfection of the product exterior

- If there is stains, wipe clean as quickly as possible with a 10% detergent solution diluted using water to prevent permanent staining and fully wipe off the moisture with dry and soft cloth.
- For cleaning, do not use cleaning agents containing solvent or abrasives, thinners or oil-based alcohol (butanol and isopropyl alcohol), which may cause cracks.
- Wipe off water immediately if water is put on the product. Water may cause rusting.

NOTICE

1. Troubleshooting and contact information

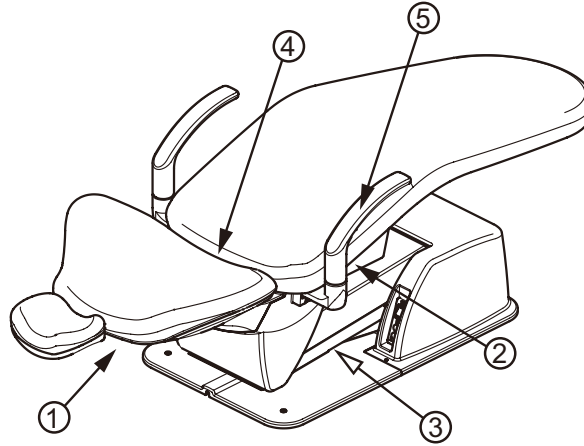
In the case of any problems, discontinue use, turn off the main switch and contact the dealer or our company.

SAFETY PRECAUTIONS

■ Caution Points During Operation of the Product

Description of Symbol Marks

- ▶ : Caution areas such as moving parts, rotating parts and detachable parts to which caution should be paid.
- ▷ : Caution areas that are provided with an emergency stop mechanism.



① Take care not to be trapped by moving parts of the headrest.

Do not allow hands, fingers, or hair to become entangled in the moving parts of the headrest.

② Take care not to be trapped by the lower part of the seat.

Do not put hands or feet into the gap in the lower part of the seat.

③ Take care not to be trapped between the sub link cover and the base plate

Do not allow feet or obstruct between the sub link cover and the base plate.

④ Take care not to be trapped by moving parts of the backrest.

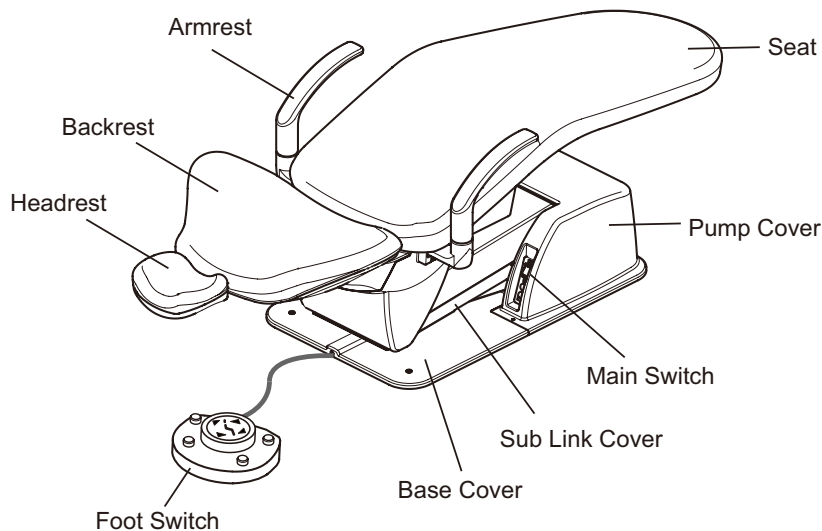
Do not put hands or feet into the gap between the backrest and the seat.

⑤ Take care not to be trapped by the armrest.

Do not operate up & down the chair with the right armrest swing out 90 degrees.

OVERVIEW AND MAJOR COMPONENTS

■ Overview and Major Components



INSTALLATION INSTRUCTIONS

■ Check the Packing

Check the each quantity of the parts for installation as listed below.

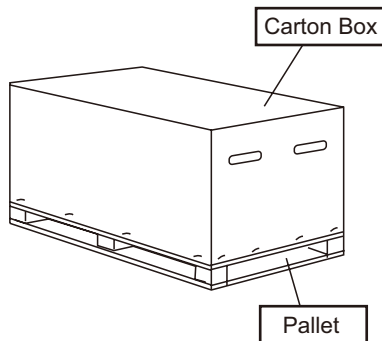
| | |
|--|--------|
| 1. Headrest assembly | 1 set |
| 2. Backrest assembly | 1 set |
| 3. Seat | 1 set |
| 4. Seat clear cover | 1 pc. |
| 5. Armrest (L/R) | 1 set |
| 6. Collar for armrest L | 1 pc. |
| 7. Spring for armrest R | 1 pc. |
| 8. M6 x 25 pan head screw for armrest L/R | 2 pcs. |
| 9. M6 flat washer for armrest L/R | 2 pcs. |
| 10. M8 x 20 cap bolt for backrest | 4 pcs. |
| 11. M8 spring washer for backrest | 4 pcs. |
| 12. M6 x 10 pan head screw for seat clear cover | 1 pc. |
| 13. M6 x 15 pan head screw for seat | 3 pcs. |
| 14. M6 flat washer for seat clear cover, seat | 4 pcs. |
| 15. Coach bolt | 4 pcs. |
| 16. M10 x 10 set screw for level adjustment | 6 pcs. |
| 17. Hole plug (White) | 1 pc. |
| 18. Set cap washer (White) for base cover, pump cover | 4 pcs. |
| 19. Set cap cover (White) for base cover, pump cover | 4 pcs. |
| 20. M5 x 10 Flat Head Screw for base cover, pump cover | 4 pcs. |
| 21. M 5 x 10 button head screw | 1 pc |

■ Precautions for Installation

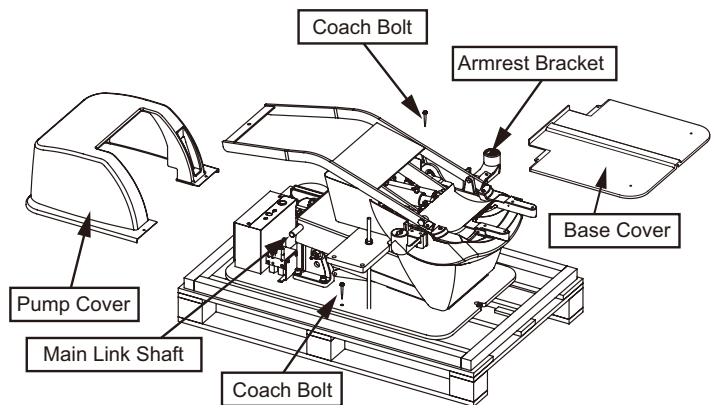
1. During lifting and unpacking of the chair, make sure to hold only the designated parts. If not, it may lead to physical injury or property damage. Remove the chair section by holding the parts as follows.
 - Main link shaft
 - Armrest bracket
2. Confirm that the carriage bolt is tightened before carry the chair.
3. Take care not to topple the equipment during transportation.
4. Do not drop or hit the product.
5. Determine an exact chair fixing position and fix the chair to the floor securely.
6. Do not connect the power supply other than rated voltage.
7. Properly connect ground wires.
8. Remove the carriage bolt from the chair before lift the chair by upper structure.
9. When the installation process has been completed, Check that all the mechanical and electrical functions are working properly.
10. Do not install on wet floor.

INSTALLATION INSTRUCTIONS

■ Preparations for Installation of the Chair



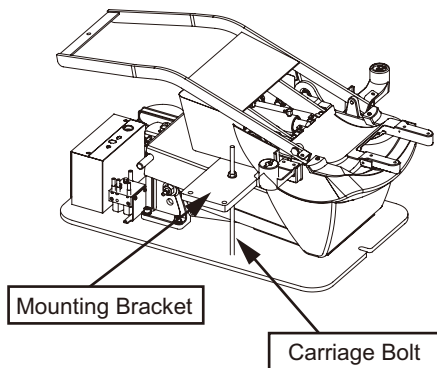
(1) Remove all the staples fixing the carton box to the pallet and remove the carton.



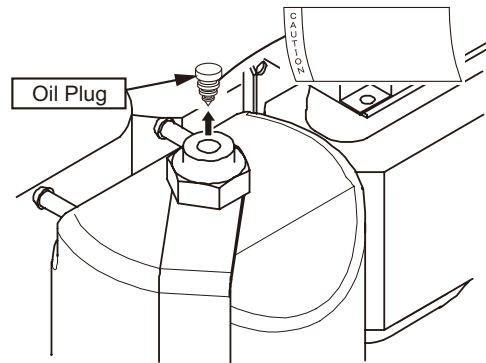
(2) Remove the pump cover and the base cover.

(3) Remove two coach bolts from the base and place it at the planned location.

■ Installation of the Chair



(1) Before lift the chair by upper structure, remove the carriage bolt from the mounting bracket.



(2) Remove the red tagged oil plug from the oil reservoir.

(3) Install the unit according to the installation manual of the unit.

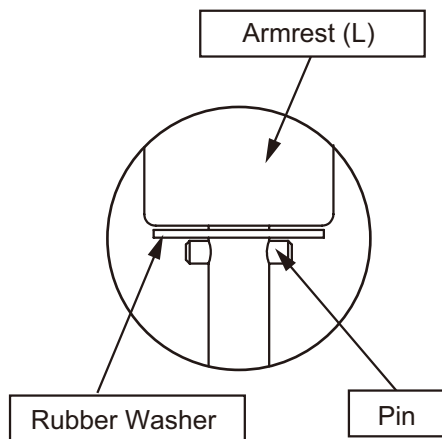
(4) Connect the chair power supply cable to the terminal block in the utility box.

CAUTION

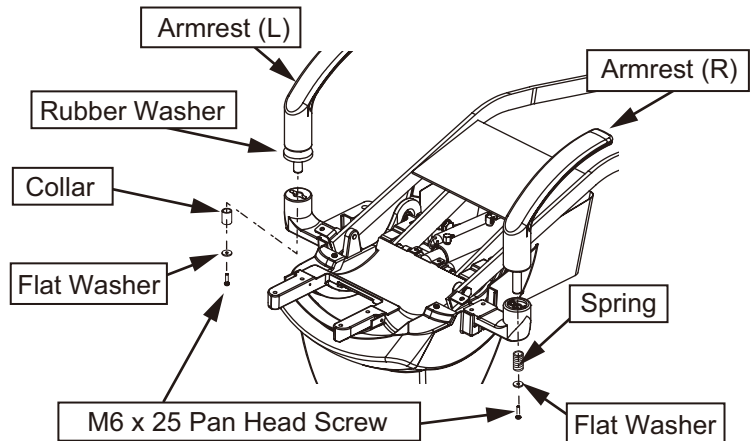
- Remove the chair section by holding the main link shaft and armrest bracket.
- Do not lift up the chair after removed the carriage bolt.
- Remove the carriage bolt from the chair before lift the chair by upper structure.

INSTALLATION INSTRUCTIONS

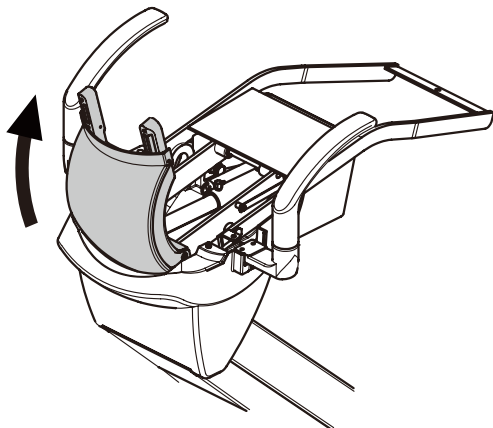
■ Installation of the Armrest and the Seat



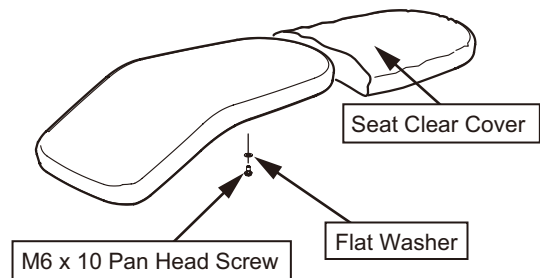
- (1) Left side Armrest (Fixed armrest)
Attach the rubber washer to the upper side of the pin on the armrest shaft.



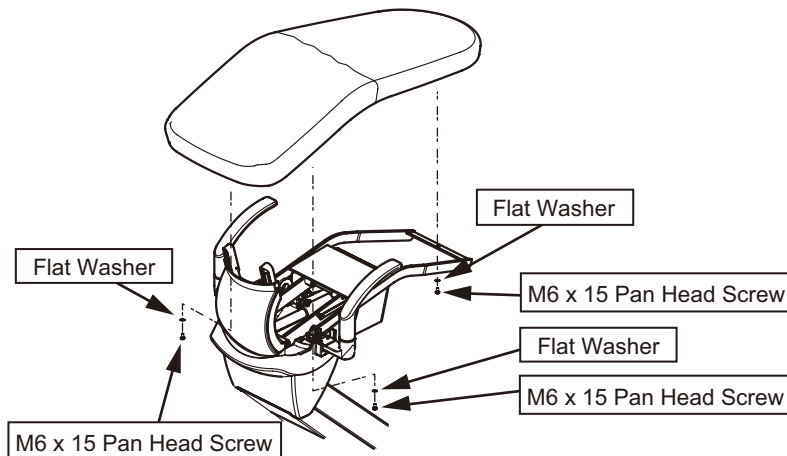
- (2) • Fix the right side armrest to the armrest bracket with M6 x 25 screw, flat washer and spring.
• Fix the left side armrest (with rubber washer) to the armrest bracket with M6 x 25 screw, flat washer and collar.



- (3) Move the chair backrest to forward position by foot switch or membrane switch .



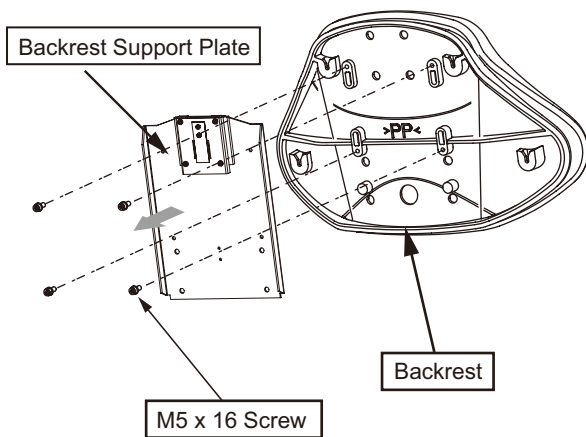
- (4) Attach the seat clear cover to the seat with M6 x 10 pan head screw and flat washers.



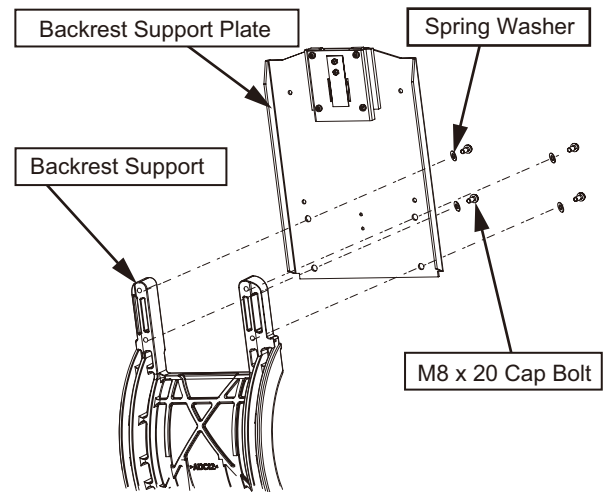
- (5) Attach the seat to base section and fix with three M6 x 15 pan head screws with flat washers.

INSTALLATION INSTRUCTIONS

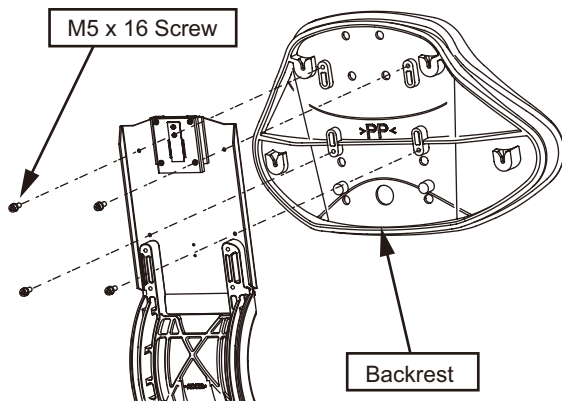
■ Installation of the Backrest and the Headrest



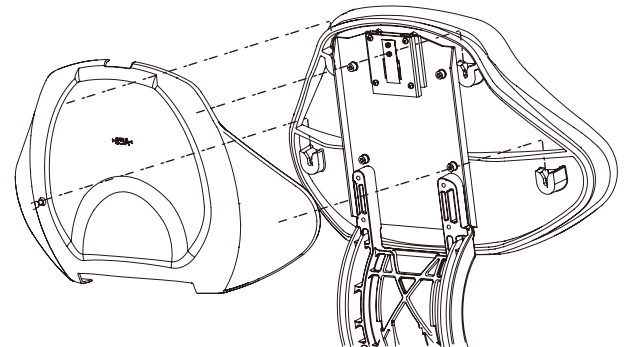
(1) Unscrew the four M5 x 16 screws and remove the back support plate from the backrest.



(2) Fix the backrest support plate to the backrest support by four M8 x 20 cap bolts with spring washers.

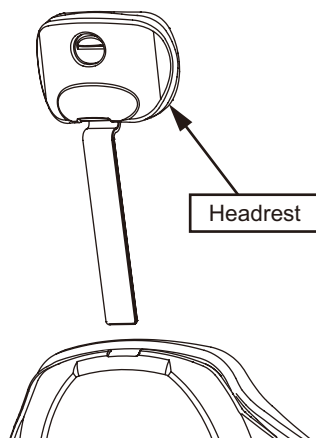


(3) Fix the backrest to the backrest support plate by four M5 x 16 screws.



(4) Attach the backrest cover to the backrest.

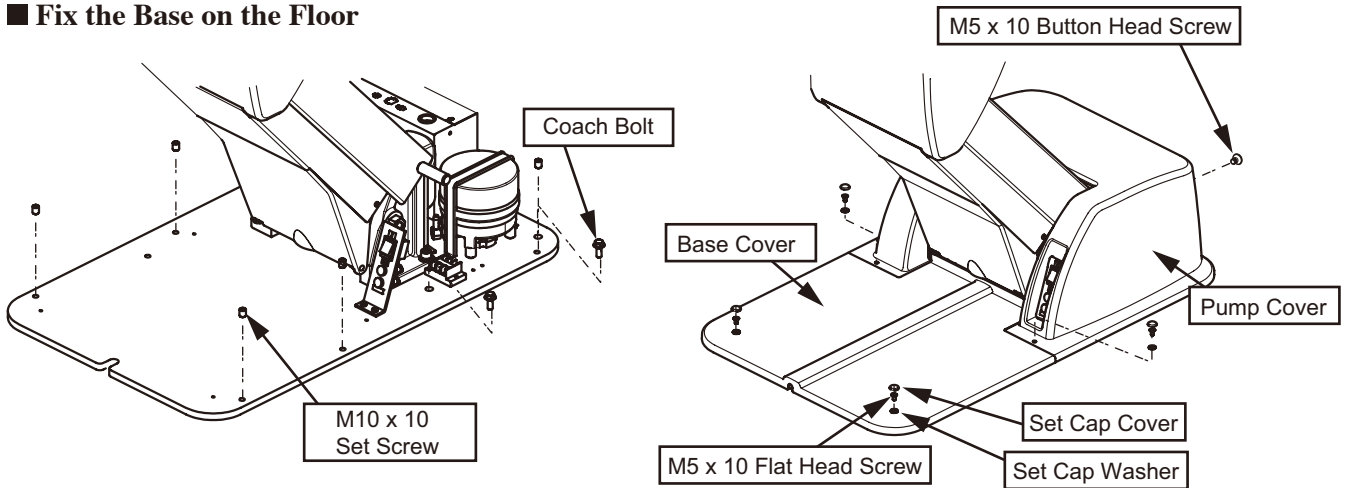
Insert four hooks of backrest cover into the fixing holes of the backrest. Keep pressing the backrest cover to the backrest and slide down the backrest cover, so that four hooks catch the fixing holes of the backrest.



(5) Insert the headrest to the backrest.

INSTALLATION INSTRUCTIONS

■ Fix the Base on the Floor



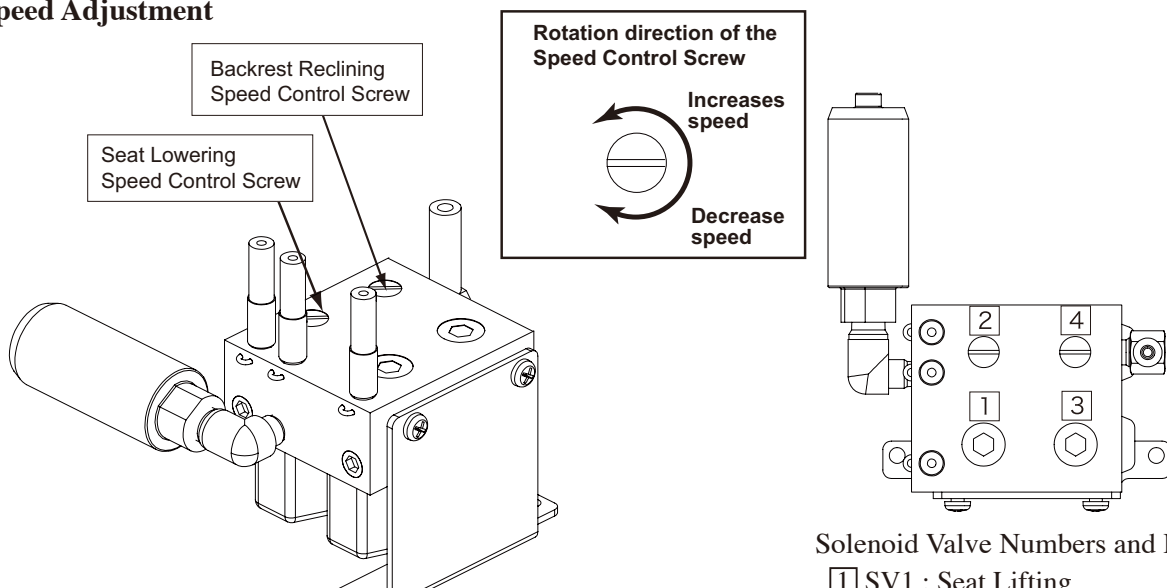
- (1) Adjust the leveling of the base with six M10 x 10 set screws as needed.
- (2) Fix the base on the floor with four coach bolts.

- (3) Attach the pump cover and base cover to the base plate and fix with four M5 x 10 flat head screws, set cap washers, set cap covers and one M5 x 10 button head screw.

⚠ CAUTION

Chair must be fixed to the floor with bolts to prevent from falling down.

■ Speed Adjustment



Seat lowering speed and backrest reclining speed can be adjusted by the speed control screw on the solenoid valve block.

- (1) Remove the pump cover.
- (2) Turning the speed control screw clockwise to decrease the speed and turning counterclockwise to increases the speed.
- (3) After adjustment, reattach the pump cover.

Solenoid Valve Numbers and Functions

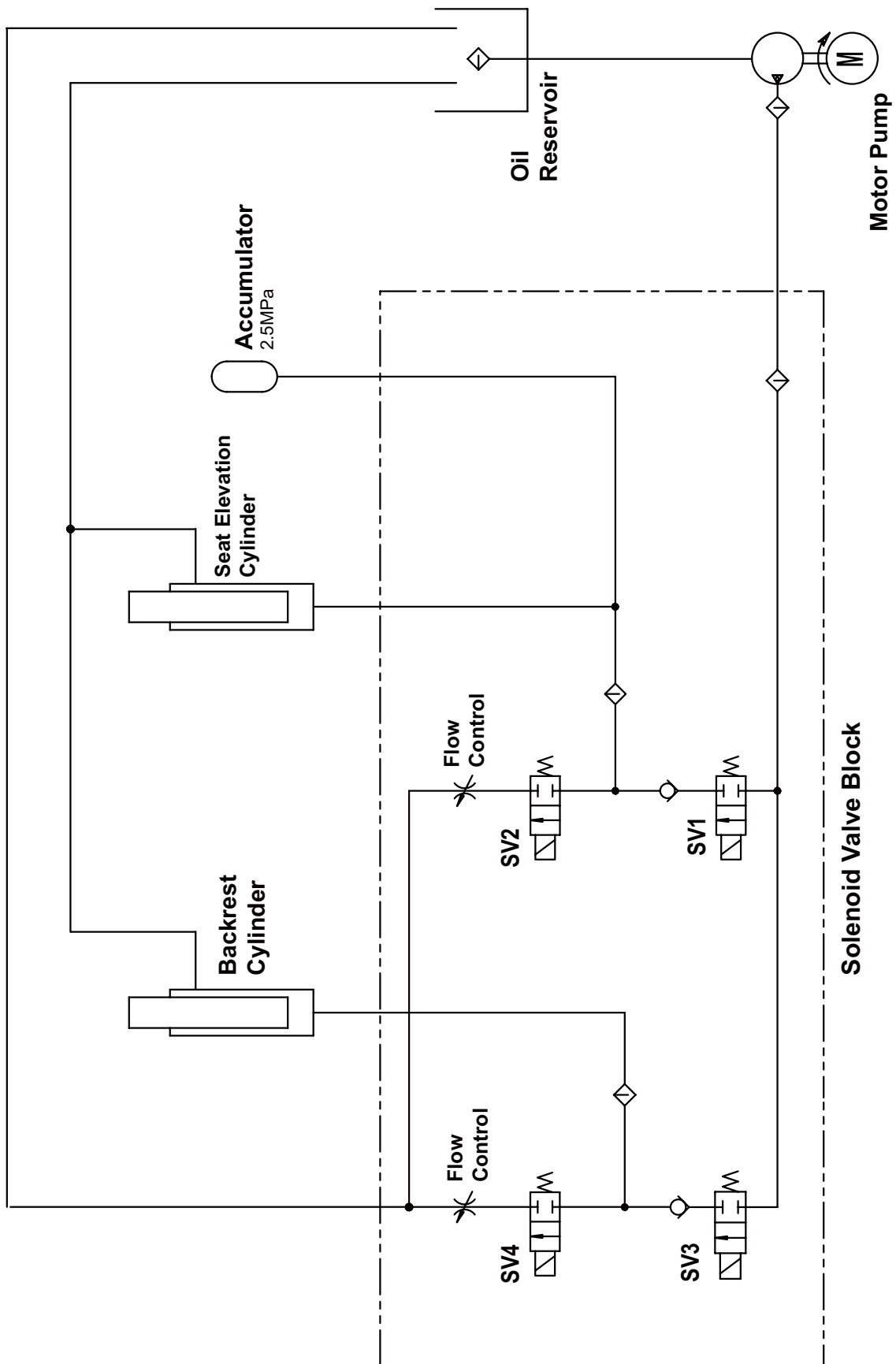
- 1 SV1 : Seat Lifting
- 2 SV2 : Seat Lowering
- 3 SV3 : Backrest Raising
- 4 SV4 : Backrest Reclining

⚠ CAUTION

Oil may leak from the speed control screw if the speed is increased excessively.

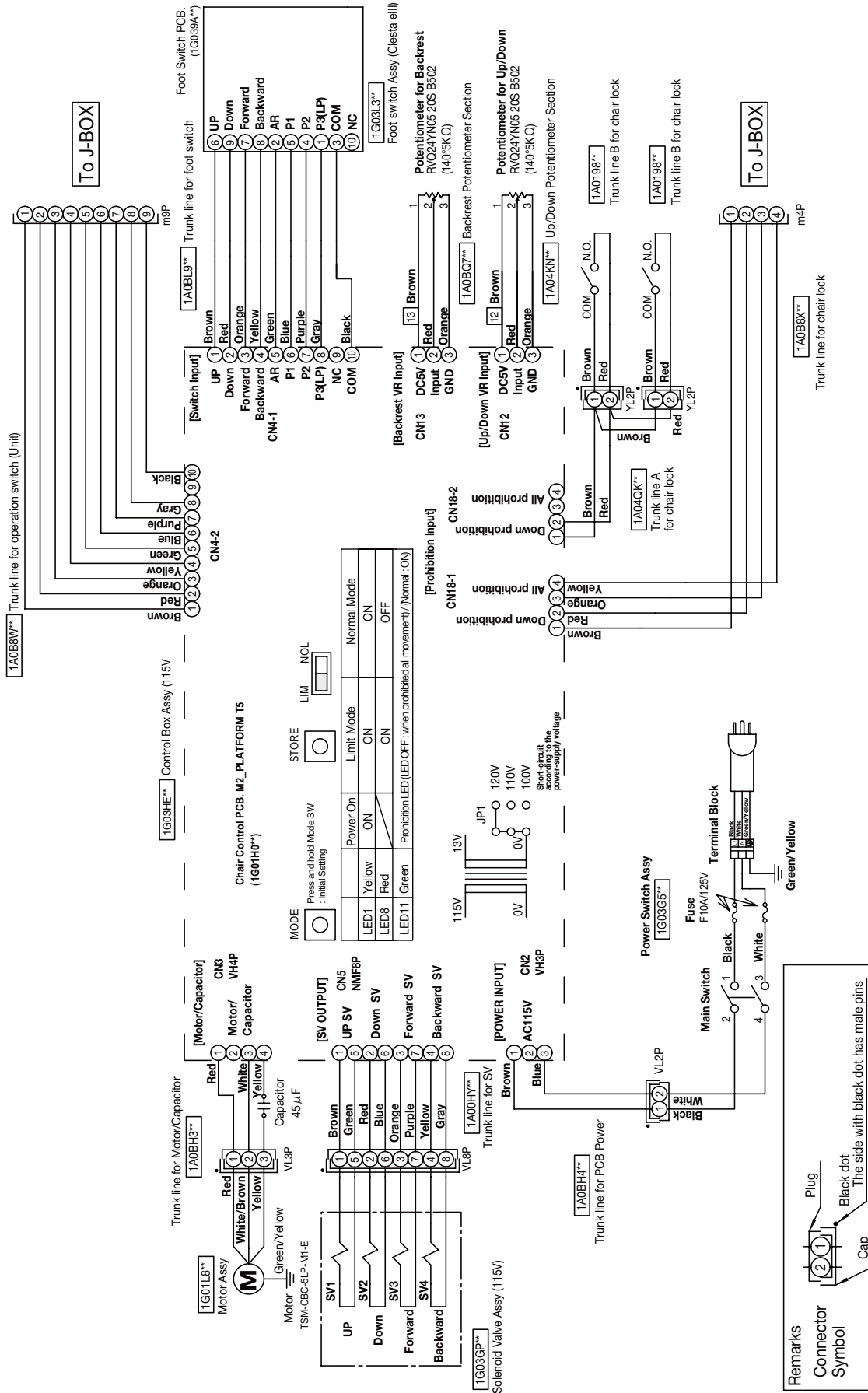
INSTALLATION INSTRUCTIONS

■ Chair Hydraulic Diagram



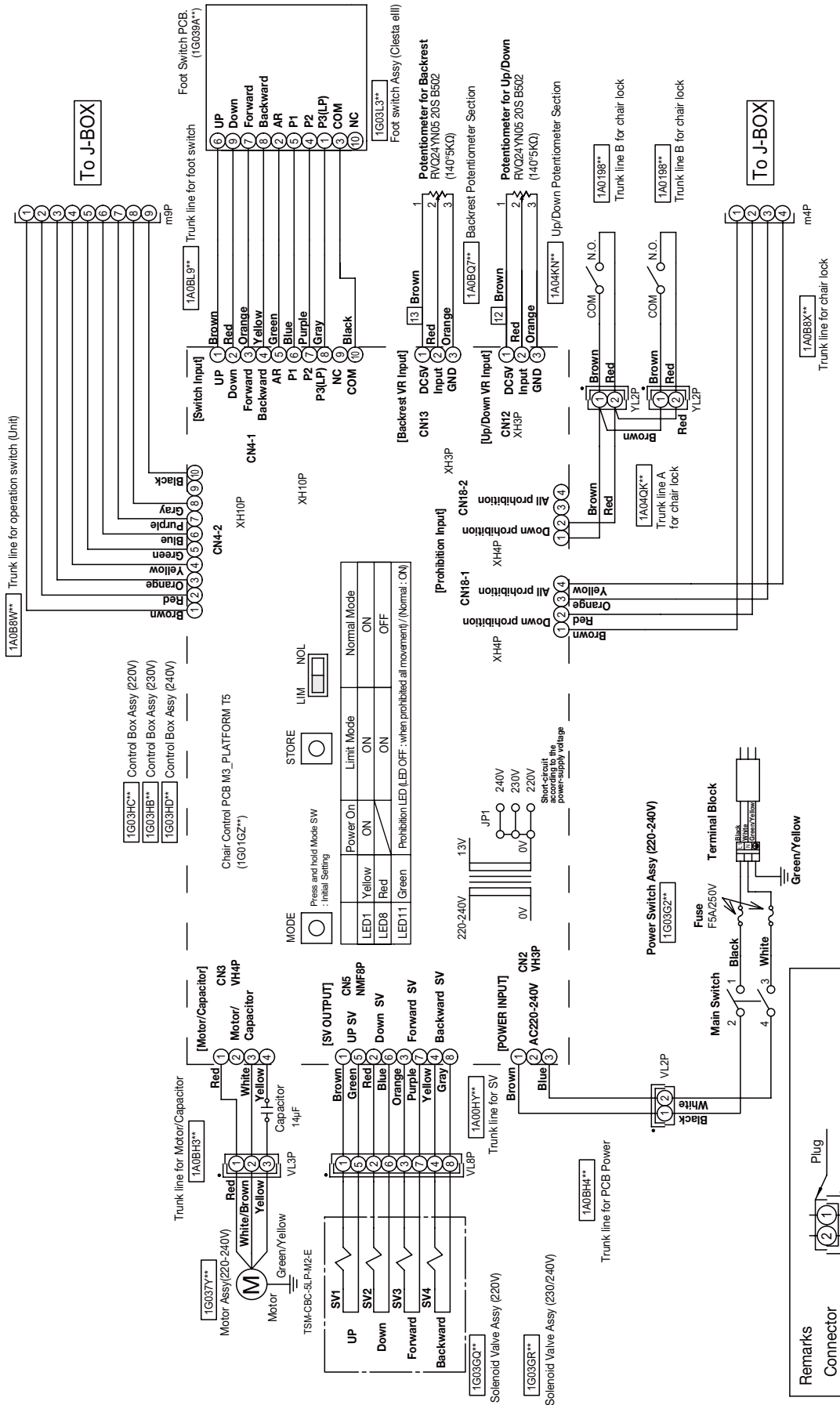
INSTALLATION INSTRUCTIONS

Chair Electrical Diagram (AC115V)



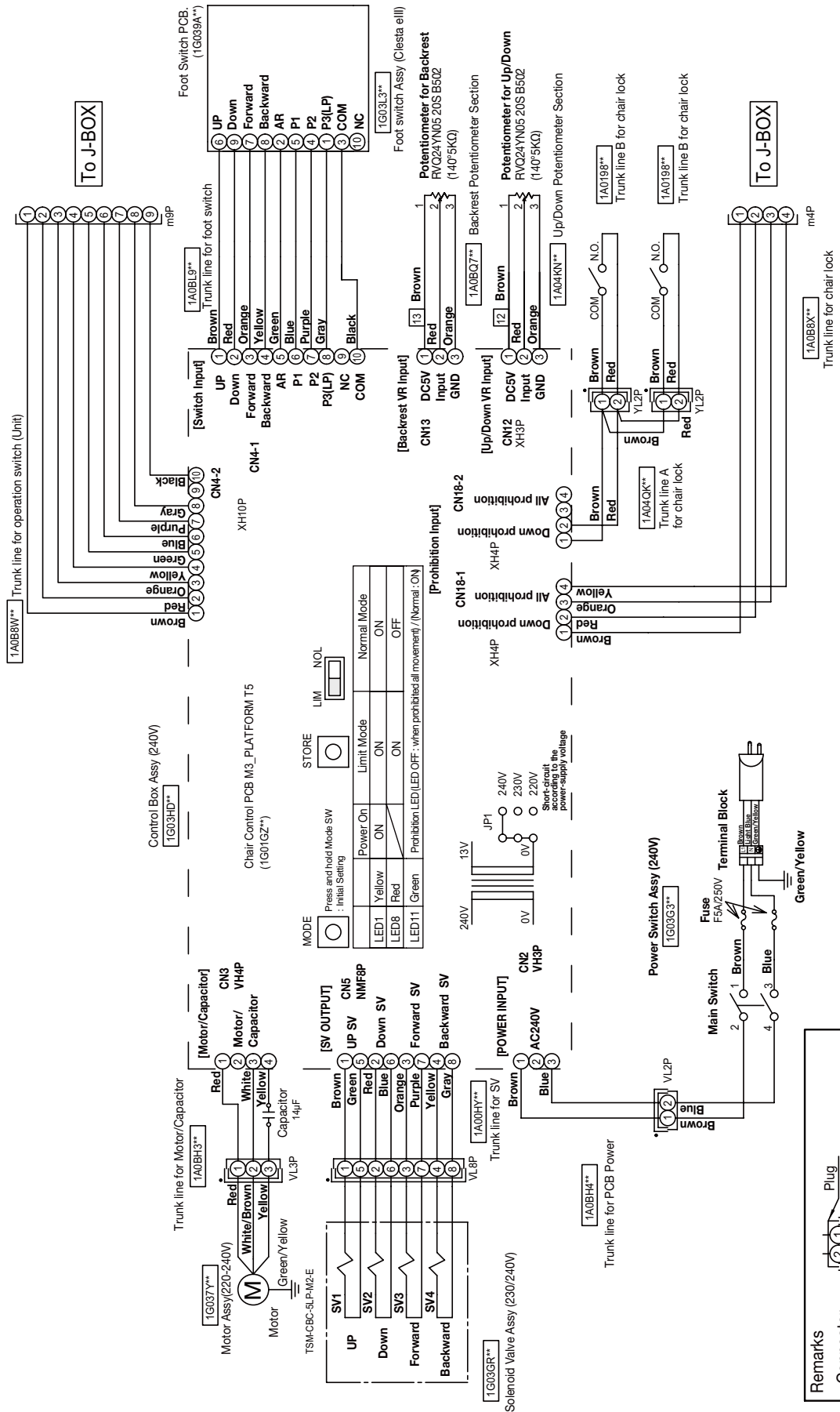
INSTALLATION INSTRUCTIONS

Chair Electrical Diagram (AC220V - AC240V)

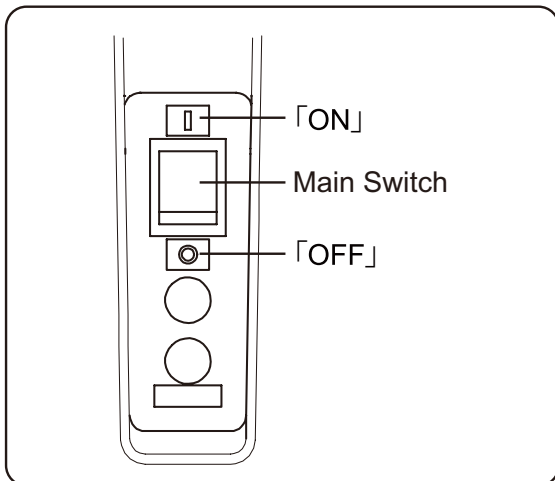


INSTALLATION INSTRUCTIONS

Chair Electrical Diagram (AC240V - Australia)



OPERATING INSTRUCTIONS



■ Main Switch

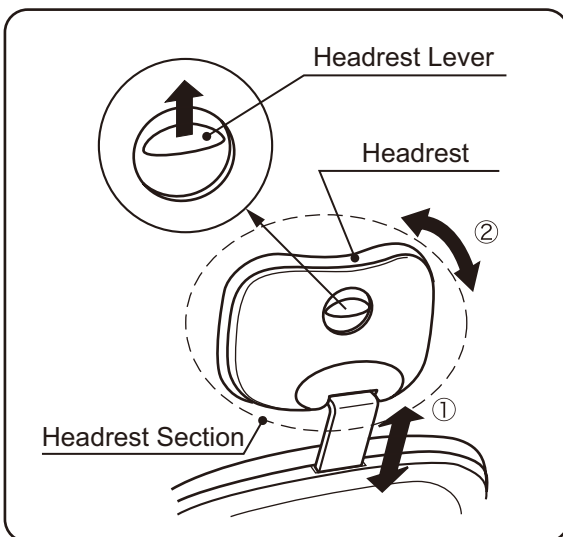
Turn the main switch on (' I ' mark) located on the right side of the pump cover. A green lamp in the main switch will illuminate. Turn the main switch off (' O ' mark) will switch the power off.

⚠ WARNING

Turn off the main switch upon completion of work or during work breaks. This prevents incorrect operation due to accidental contact and associated hazards.

⚠ CAUTION

Be sure to operate switches with your hands, except the foot controller, which is operated with your foot. Operation with body parts other than hands may cause damage or incorrect operation.



■ Single Articulating Headrest

① Height Adjustment

Hold the headrest section with both hands and adjust headrest height by pulling out or pressing down on the headrest section.

② Angle Adjustment

Push the headrest section to forward as required. Lift up the headrest lever to unlock position and adjust headrest angle to backward. Headrest angle is locked when the headrest lever is released.

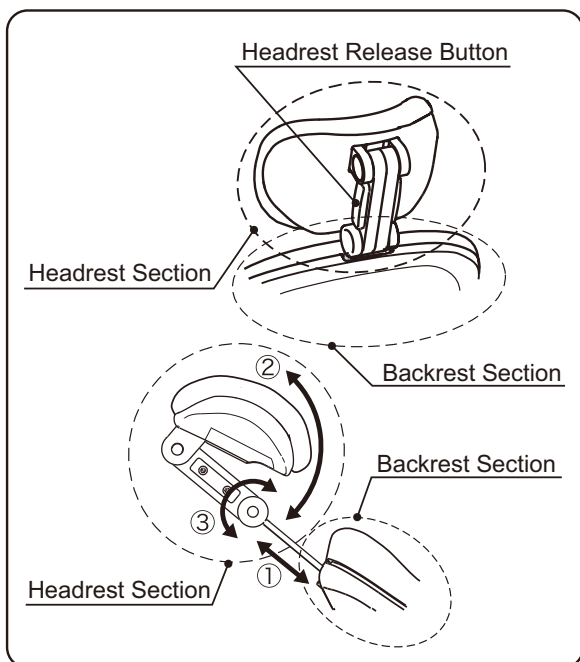
NOTICE

Push the headrest forward while lift the headrest lever, headrest section moves smoother.

⚠ WARNING

- The headrest will be come off from the backrest in case of pulling too much.
- Be careful not to pinch your hands, fingers in the moving parts of the headrest lever or between the headrest section and the backrest section during operation.

OPERATING INSTRUCTIONS



■ Twin Articulating Headrest (Optional)

① Height Adjustment

Hold the headrest section with both hands and adjust headrest height by pulling out or pressing down on the headrest section.

② & ③ Angle Adjustment

Hold the headrest release button to unlock the twin axis mechanism and adjust headrest angle.

The headrest angle is locked when the headrest release button is released.

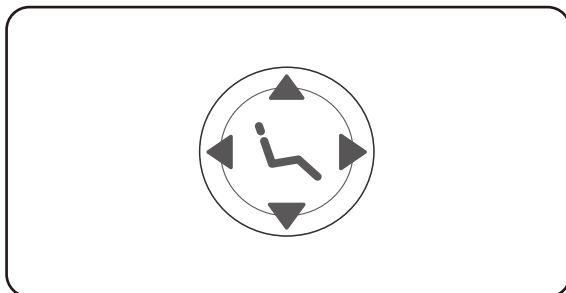
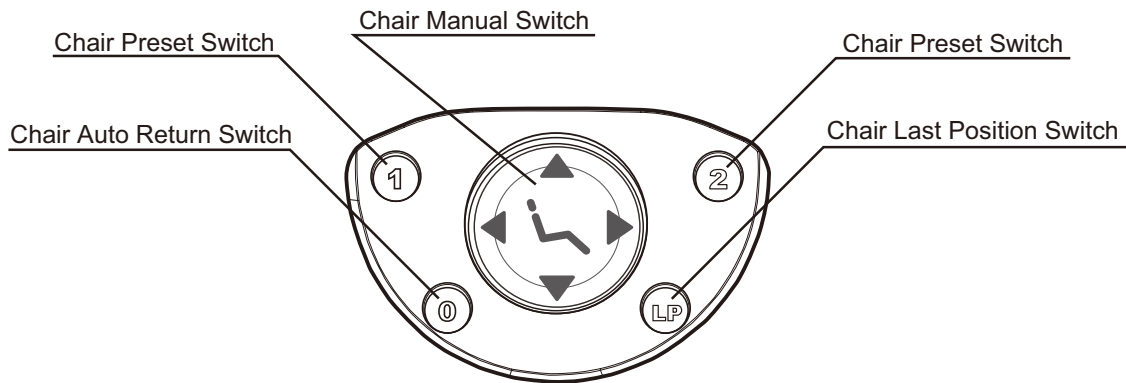
* Does not move the right side release button of headrest, it is fixed.

⚠ WARNING

- The headrest will be come off from the backrest in case of pulling too much.
- Be careful not to pinch your hands, fingers in the moving parts of the headrest release button or between the headrest section and the backrest section during operation.

OPERATING INSTRUCTIONS

■ Foot Switch

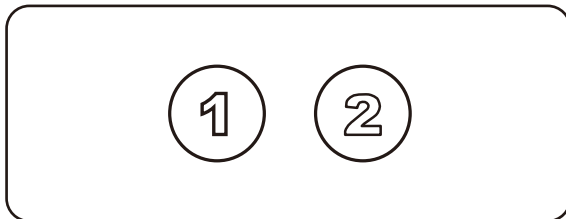


◆ Chair Manual Switch

Operating instruction for chair manual operation.

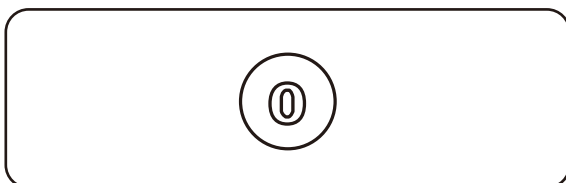
- Pressing ▲ will move the chair up
- Pressing ▼ will move the chair down
- Pressing ◀ will move the backrest reclining
- Pressing ▶ will move the backrest raising

* The chair is moving while pressing a switch.



◆ Chair Preset Switch

- Momentarily press the ① switch, the chair will move to desired preset 1 position automatically.
- Momentarily press the ② switch, the chair will move to desired preset 2 position automatically.



• Chair Auto Return Switch

Momentarily press the ① switch will lower the chair to the initial position and raise the backrest.



• Chair Last Position Switch

Momentarily press the LP switch with the chair in the treatment position moves the chair to the rinsing position and another press of this switch returns the chair to the original fine-tuned treatment position.

*Immediately release any auto mode switches after depressing them, because when any auto mode switches are depressed about five seconds, the chair position will be set up to preset with buzzer sound.

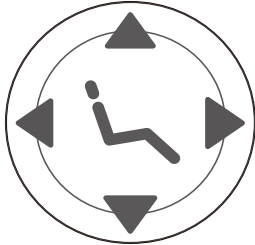
Refer to page_17 “Preset position setup procedures” for the setting of each position.

⚠ CAUTION

Be careful that the stool will not be caught in the gap between the chair and the headrest when the chair is operated with an auto-switch. Damage to the backrest, stool or Doctor's table may occur. Confirm that the patient is seated in the proper position before operation of the chair and keep your eyes on the patient during operation.

OPERATION SETTING

Set the treatment position by chair manual switch



Keep pressing preset switch to be set for about 5 seconds



Chair Preset Switch

or



Chair Auto Return Switch

■ Preset position setup procedures

1. Move the chair to the treatment position using chair manual switches.
2. Upon deciding of the desired treatment position, keep pressing chair preset switch (1), (2) or chair auto return switch (0) to be set for about 5 seconds. The buzzer sounds from the chair, and setup has been completed.
3. To change the set position, perform the procedures steps 1 and 2 above.

Move the chair to rinsing position by chair manual switch



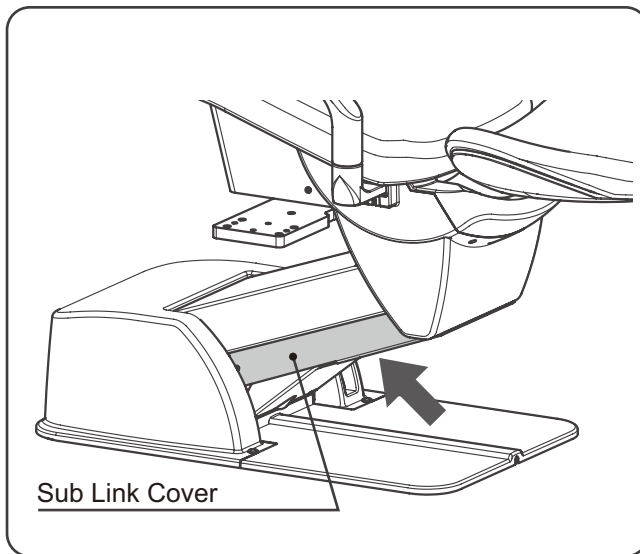
Keep pressing LP for about 5 seconds



■ Last position setup procedures

1. Move the chair to the rinsing position using manual switches.
2. Upon deciding the desired rinsing position, keep pressing last position switch (LP) for about 5 seconds. The buzzer sounds from the chair, and setup has been completed.
3. To change the set position, perform the procedures steps 1 and 2 above.

OPERATION STOPPING FUNCTION

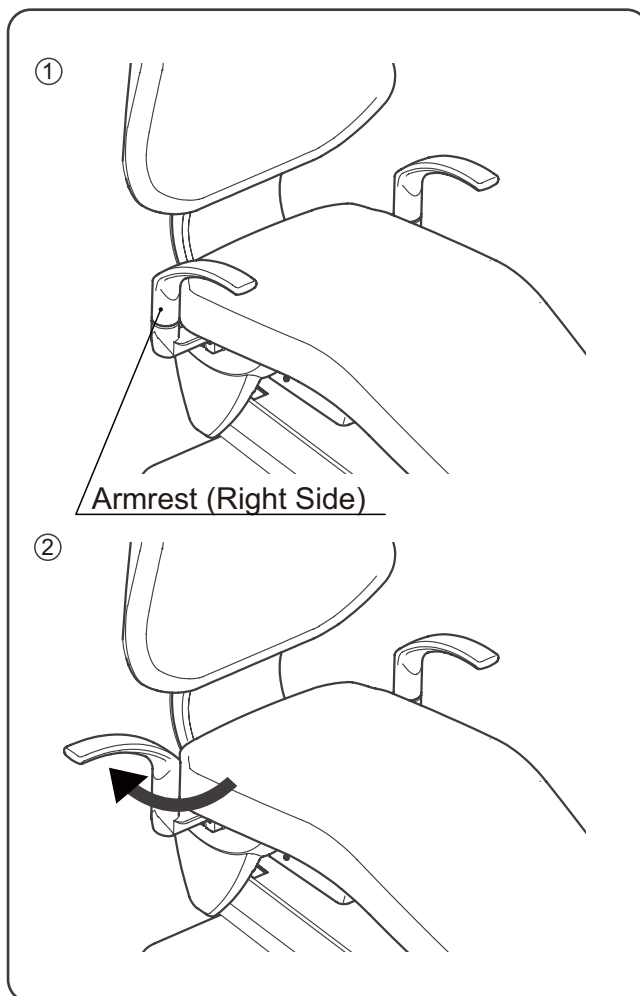


■ Chair motion stop function (safety function)

The safety mechanism that inhibits chair auto movement (chair preset switch, chair auto return switch, chair last position switch) while any of the following actions are taken.

- When pressing the any chair operation switches.
- When pressure is detected between the base and the sub link cover. The chair will moving up for a certain period of time and stopped automatically.

OPERATION OF ARMREST



■ Armrest Rotation

The right side armrest (optional) can be rotated 90 degrees to the outside.

CARE AND MAINTENANCE



■ Chair Cleaning and Disinfection

- The surface of the chair's seating area is made of synthetic leather. Apply dry wiping or wipe the surface with cloth moistened with a 10% detergent solution diluted using water. In case the synthetic leather is wiped with a wet cloth, fully wipe off the moisture with dry cloth.
- If the color of clothing or belt remained on the synthetic leather, wipe it off with cloth moistened with a 10% detergent solution diluted using water as soon as possible, to avoid penetration caused by plasticizer.
- In case the synthetic leather is wiped with a wet cloth, fully wipe off the moisture. If it remains, hydrolytic degradation may be accelerated. Do not use solvent bleach.
- Use FD366 made by Durr for cleaning and disinfection of the product exterior.
- Apply dry wiping using a dry and soft cloth to metallic and resin cover areas.

CAUTION

- If there is stains, wipe clean as quickly as possible with a 10% detergent solution diluted using water to prevent permanent staining and fully wipe off the moisture with dry and soft cloth.
- For cleaning, do not use cleaning agents containing solvent or abrasives, thinners or oil-based alcohol (butanol and isopropyl alcohol), which may cause cracks.
- Wipe off water immediately if water is put on the product. Water may cause rusting.

CAUTION

- Do not place any hard and heavy article or any article having a sharp tip or edge on the chair's seating area. The synthetic leather may be damaged otherwise.

STORAGE, LIFETIME, STOCK PERIOD OF PARTS AND DISPOSAL

■ Storage method

Strictly observe the following points when the product will not be used for a long period of time.

1. Turn OFF the main switch at the lowest seat position and backrest reclining position after daily operation and for a long term interval.
2. Be sure to turn off the main switch at the end of each work day.
3. Be sure to turn off the equipment breaker on the clinic's electrical panel.

■ Lifetime

The durable period of this product is 10 years (self-certification based on in-house data), provided regular maintenance and inspection is done. However, parts requiring periodical maintenance have different durability periods. See the section on maintenance and inspection.

■ Stock period of parts

Our company will keep maintenance parts of the products such as consumables and periodical replacement parts, etc., for 10 years after sales.

Note : Maintenance parts means parts necessary for repair services for restoring the original conditions and functions of the product and maintaining those functions.

■ Disposing of equipment

In case of disposal of equipment or of components dismantled from the unit, take full infection preventing measures, and carry out appropriate steps in accordance with the legal regulations at that time.

BEFORE ASKING FOR REPAIRS

If any of phenomena described below has occurred, make the following checks before asking for repairs.

| Phenomenon | Check point and result | Action to be taken |
|-----------------------------------|--|--|
| The product does not work at all. | Main switch is not on. | Turn on the main switch. |
| | Equipment circuit breaker in the clinic cabinet panel is not on. | Turn on the equipment circuit breaker. |

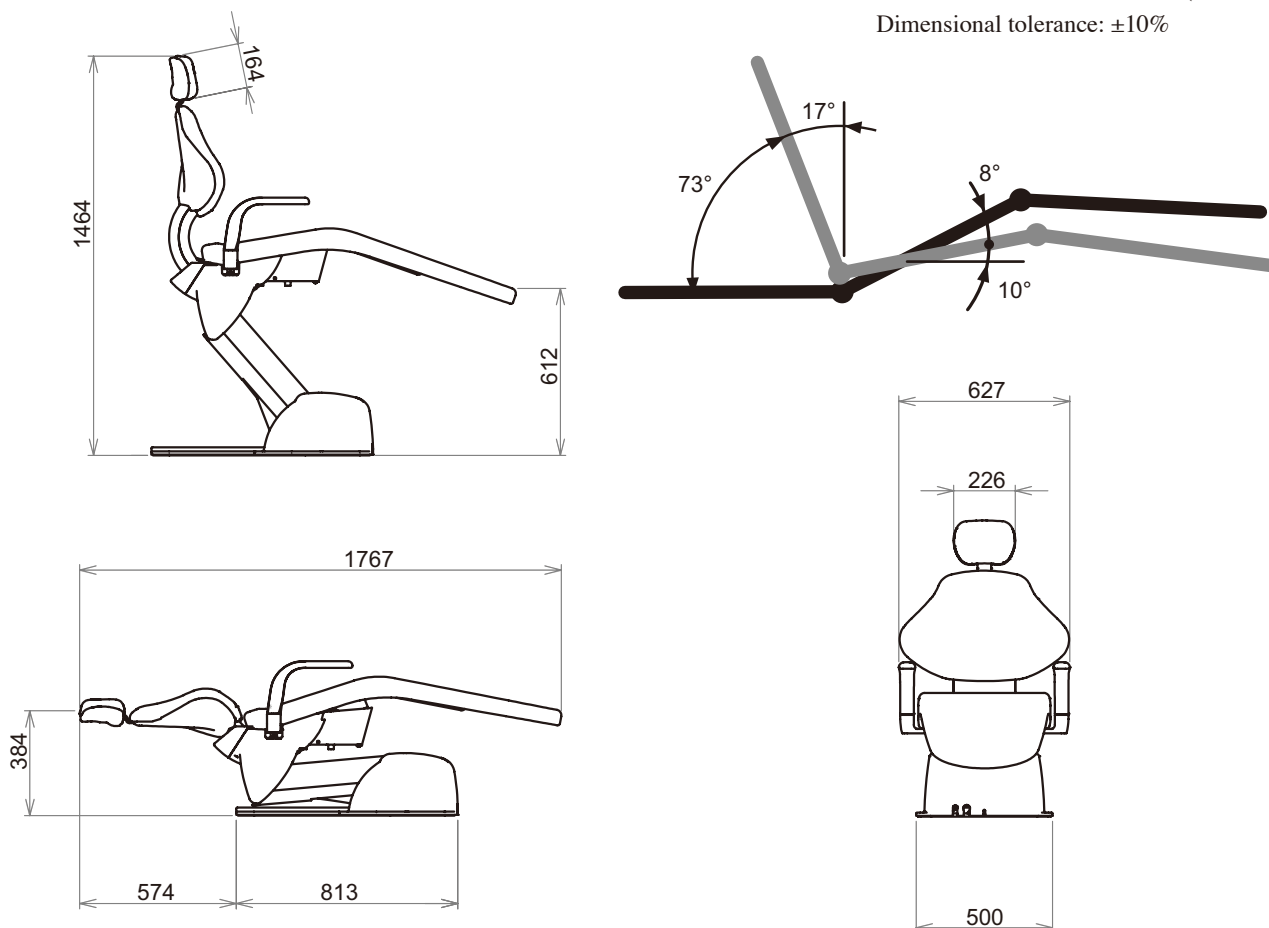
If the unit does not normally work even if actions were taken upon checkup stated above, then stop using the unit, turn off the main switch and contact your dealer or our office.

SPECIFICATIONS

- **Rated power supply** : AC115V 50/60 Hz, 5.1A/3.5A
 : AC220V 50/60 Hz, 2.0A/2.0A
 : AC230V 50/60 Hz, 2.2A/2.2A
 : AC240V 50 Hz, 2.3A
- **Fuse** : AC115V Type
 10A/125V(Current Rating:50A at 250VAC) Fast blow
 : AC220V ~ AC240V Type
 5A/250V(Current Rating:50A at 250VAC) Fast blow
- **Weight** : 140kg
- **Maximum Load** : 135kg
- **Mode of operation** : Non-Continuous Operation
 Duration of Maximum Operating Time : 3min,
 Duty Cycle 1 : 5
- **Classification of foot controller** : IPX1(applicable standard IEC60529)
- **Protection class against electric shock** : Class I equipment
- **Applied part** : type B applied part: Seat for chair
- **Usage environment** : Temperature 10 ~ 40°C
 Humidity 30 ~ 75%
 Air pressure 700 ~ 1060 hPa
- **Transportation / Storage environment** : Temperature -20 ~ 70°C
 Humidity 10 ~ 95%
 Air pressure 700 ~ 1060 hPa

Dimensions

* Values are the standard values. (Unit: mm)
 Dimensional tolerance: ±10%



MAINTENANCE AND INSPECTION

Guide for daily maintenance and inspection (Maintenance and inspection by user)

- Management of maintenance and inspection of medical equipment should be implemented by the user (medical institution). In case the user does not implement such management, it is permitted that such management is outsourced to a qualified entity such as a medical equipment repair company.
- For safe use of this product, it is necessary that inspection should be conducted in the specified frequency on the items described below.

| No. | Item | Frequency | Inspection method and diagnosis | Influence if inspection not conducted | Maintenance required in case of nonconformity |
|-----|---------------------------|-----------------|--|---|--|
| 1 | Check of safety functions | Before start | Make sure the chair movement stops by any of the following actions. 1. During chair auto movement, depress of any operation switch. 2. When push the chair link cover. | Unexpected personal injury and troubles may arise due to motion of the chair during medical treatment and due to pinching between doctor section and chair. | Contact your dealer or our office if any abnormality arises. |
| 2 | Product's moving parts | Once every week | No abnormal noise or the like shall be produced from product's moving parts when the product is operated. | The product will not normally work and troubles may arise. | Contact your dealer or our office if any abnormality arises. |

Guide for Periodical Check-up

- Some parts and components of the products are degraded or deteriorated depending on the frequency of use. Annual check-up and maintenance, as well as replacement of consumable parts, are required.
- The required parts (including consumable parts) are listed below. It may be different from the following list depending on the option of the unit.
- For check-up and repair, call a technician of our authorized dealer.

Parts and components that require periodical check-up

| No. | Parts Description | Standard Lifetime |
|-----|---|-------------------|
| 1 | Spring (Include a spring hook) | 5 years |
| 2 | Hydraulic moving part (O-ring, Packing) | 5 years |
| 3 | Electric wiring of moving part | 5 years |
| 4 | Switches | 5 years |
| 5 | Solenoid Valve | 7 years |

WARNING

Execute the maintenance in accordance with this instruction manual and operating manual attached to each individual equipment (Dental light, Handpiece, etc..) .
Failure to maintain this product may lead to physical injury or property damage.

NOTE



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