

DENTAL CHAIR

CREDIA *G1* CHAIR

INSTALLATION INSTRUCTIONS



Table of Contents

Precautions for Installation	1
Overview and Major Components	1
Specifications	2~3
Check the Packing	4
Installation Instructions	5~16
■ Preparations for Installation	5
■ Installation of the Chair	5~9
■ Installation of the Long Armrest (Optional)	10
■ Speed Adjustment	11
■ Chair Hydraulic Diagram	12
■ Chair Electrical Diagram	13~16

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
 - Mounting 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. After the unit installation has been completed, attach the backrest, seat and the base cover on the chair.
10. When the installation process has been completed, Check that all the mechanical and electrical functions are working properly.
11. Confirm that the installation floor endurance force which our company recommended. (Refer to Installation requirements of the unit installation manual)



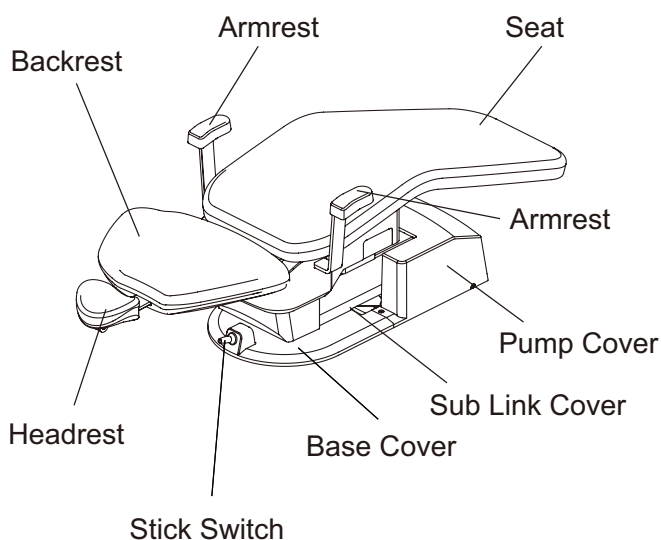
WARNING

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

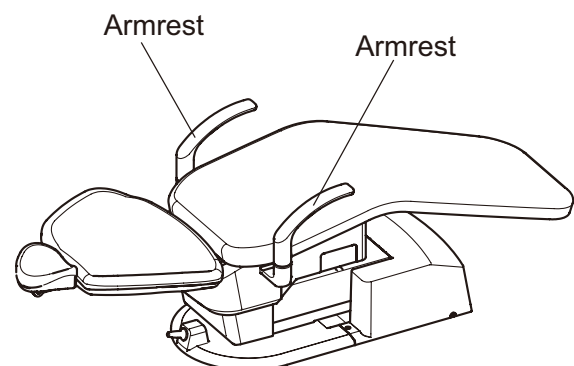
Overview and Major Components

■ Overview and Major Components

Standard Armrest



Long Armrest (Optional)



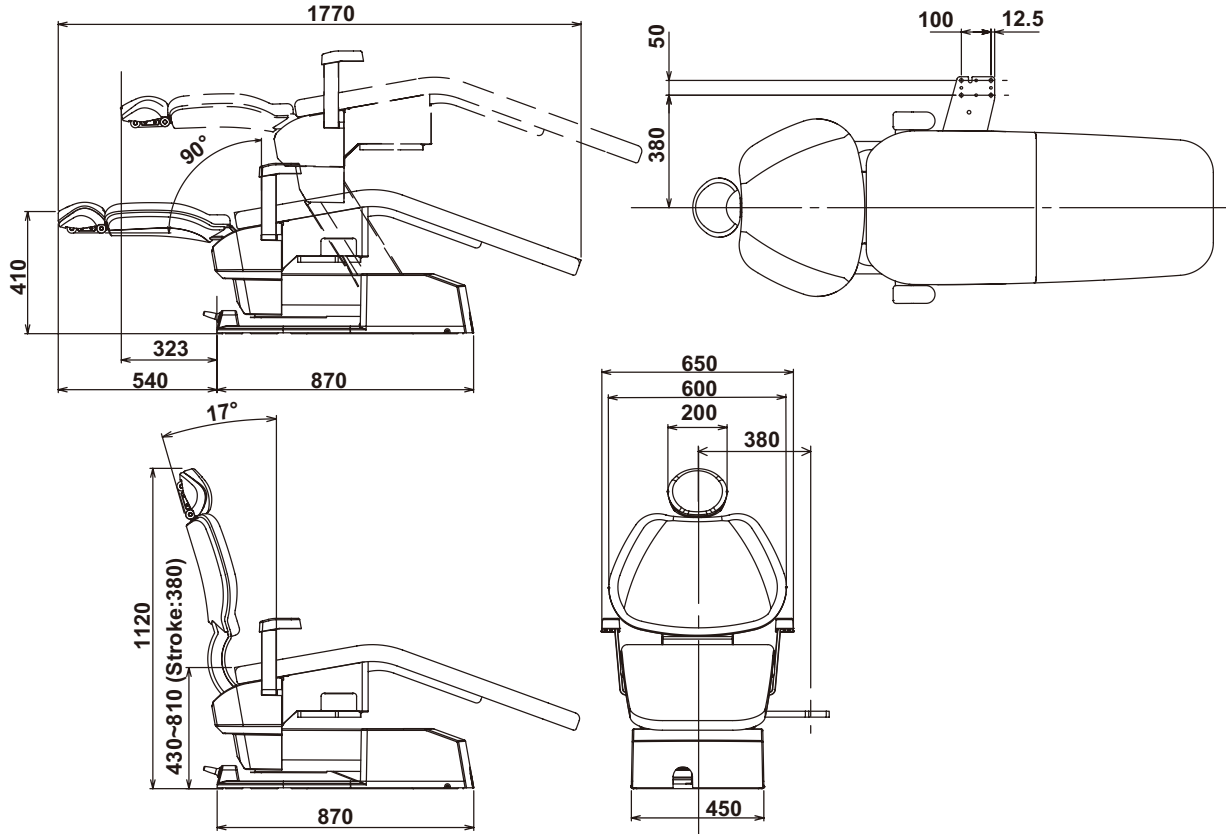
Specifications

● Rated voltage, Rated input	: AC110V 60 Hz 4.0A : AC120V 60 Hz 4.4A : AC220V 50/60 Hz, 1.7A/1.7A : AC230V 50/60 Hz, 1.9A/1.7A : AC240V 50 Hz 2.2A
● Weight	: 130kg
● Patient capacity	: 200kg
● Mode of operation	: Non-Continuous Operation Duration of Maximum Operating Time : 1min, Duty Cycle 1 : 20
● Protection class against electric shock	: Class I equipment
● Applied part	: type B applied part: Seat for chair
● Usage environment	: Temperature 10 to 40°C Humidity 30 to 75% Air pressure 700 to 1060 hPa
● Transportation / Storage environment	: Temperature -20 to +70°C Humidity 10 to 95% Air pressure 700 to 1060 hPa

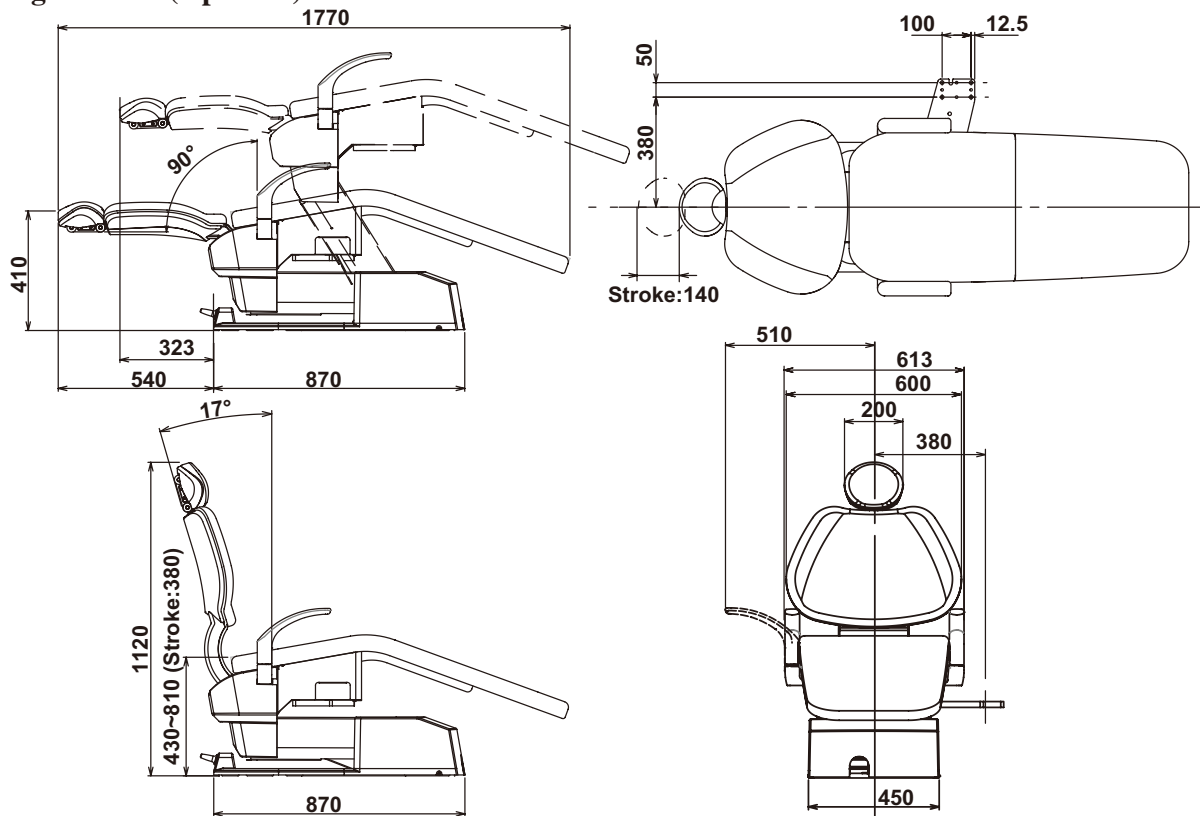
Specifications

Dimensions * Values are the standard values. (Unit: mm)
Dimensional tolerance: $\pm 10\%$

Standard Armrest



Long Armrest (Optional)



Check the Packing

Open the chair box and upholstery box. Check the each quantity of the parts for installation as listed below.

Upholstery Section

- 1. Headrest, Backrest Support Plate Set 1 Set
- 2. Backrest Upholstery 1 Set
- 3. Backrest Cover Set 1 Set
- 4. Seat Upholstery 1 Set
- 5. M6 x 20 Pan Head Screw (Seat) 3 Pcs.
- 6. M6 Flat Washer (Seat) 3 Pcs.

Chair Section

- 7. M8 x 20 Cap Bolt (Backrest) 4 Pcs.
- 8. M8 Spring Washer (4/Backrest, 1/Stick Switch Pedal) 5 Pcs.
- 9. M6 Flat Washer (Floor fixing) 6 Pcs.
- 10. M6 x 50 Coach Bolt (Floor Fixing) 6 Pcs.
- 11. M10 x 35 Cap Bolt (Mounting Bracket) 2 Pcs.
- 12. M10 Spring Washer (Mounting Bracket) 2 Pcs.
- 13. M5 x 10 Truss Screw (Pump Cover, Base Cover) 3 Pcs.
- 14. M5 x 15 Truss Screw (Pump Cover, Base Cover) 2 Pcs.
- 15. Stick Switch Pedal 1 Pc.
- 16. M8 Hex Nut (Stick Switch Pedal) 1 Pc.
- 17. Base Cover 1 Pc.
- 18. Temporary Power Cable (Used only in Installation) 1 Pc.

Standard Armrest

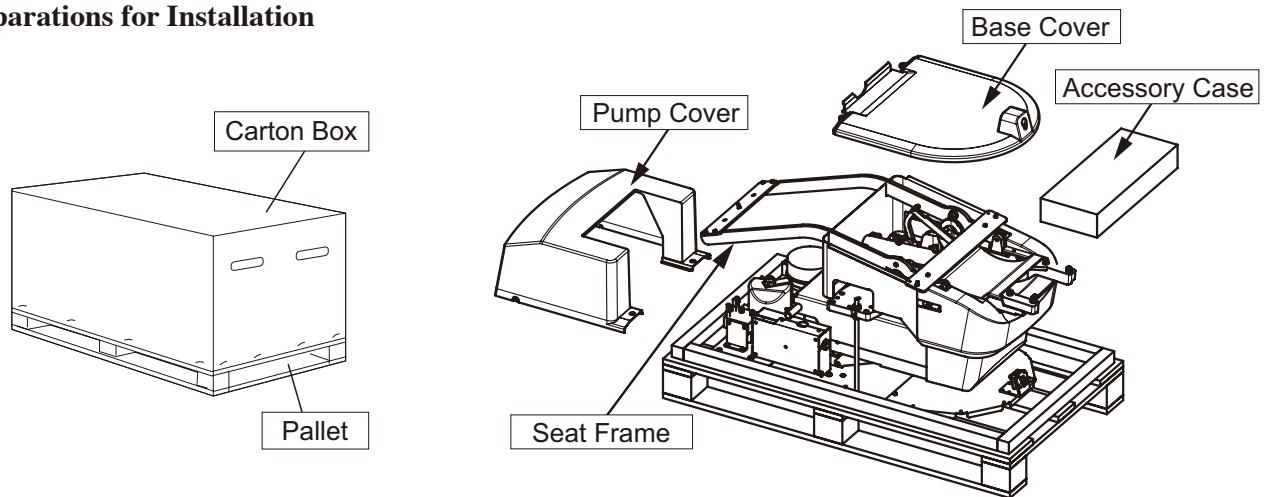
- 19. Armrest 2 Pcs.
- 20. Armrest Flame (w/M8 Bolt, M8 Spring Washer) 2 Pcs.
- 21. M5 x 15 Cap Bolt (Armrest) 6 Pcs.
- 22. Armrest Hole Cover (If not in used for right side armrest) 1 Pc.
- 23. M5 x 10 Pan Head Screw (Armrest hole cover) 2 Pcs.

Long Armrest (Optional)

- 24. Armrest w/Pin 2 pcs.
- 25. Armrest Bracket (w/M8 Bolt, M8 Spring Washer) 2 pcs.
- 26. M5 x 5 Cap Bolt (Armrest Rotation Stopper) 2 pcs.
- 27. Spring 2 pcs.
- 28. Flat Washer 2 pcs.
- 29. M6 x 25 Cap Bolt (Armrest Fixing) 2 pcs.

Installation Instructions

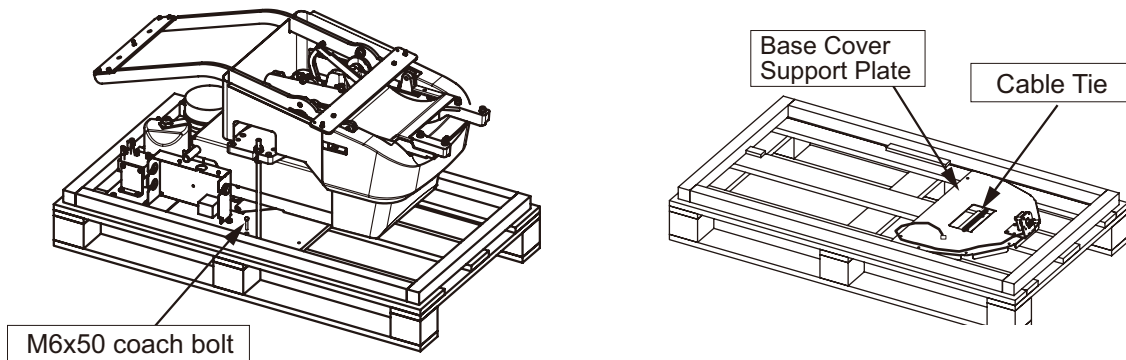
■ Preparations for Installation



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

(2) Remove the base cover and accessory case.

(3) Pull up the seat frame and remove the pump cover.

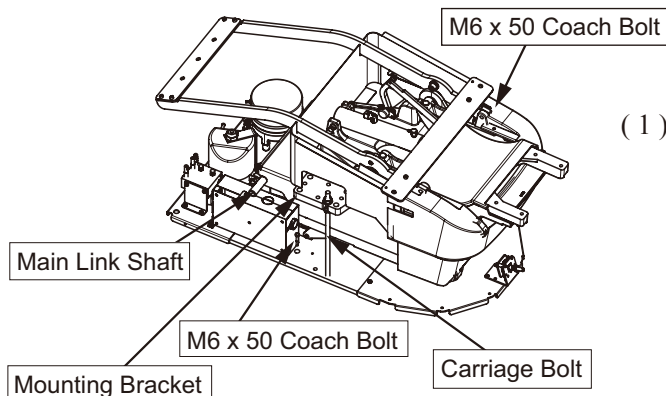


(4) Remove two M6x50 coach bolts from the base and place it at the planned location.

(5) Cut the cable tie and remove the base cover support plate from the pallet.

■ Installation of the Chair (Standard Armrest)

(Refer to page10 for installation of the long armrest)

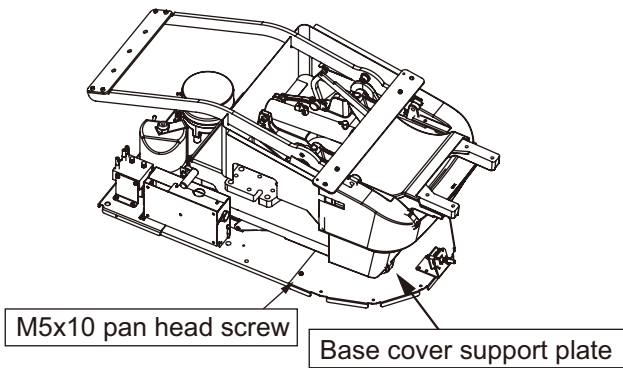


(1) Before lift the chair by upper structure, remove the carriage bolt from the mounting bracket. Confirm that the utility box position and fix the base on the floor with two M6 x 50 coach bolts.

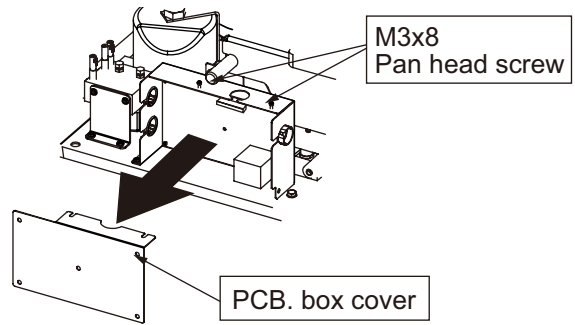
⚠ CAUTION

- Make sure fix the base on the floor.
- Remove the chair section by holding the main link shaft and mounting 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.

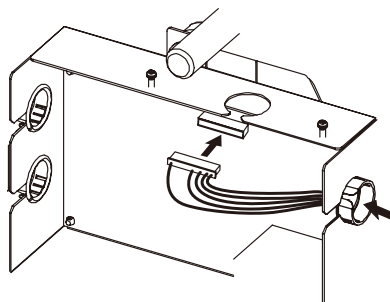
Installation Instructions



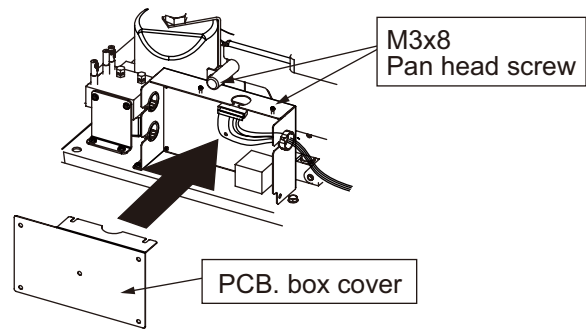
(2) Fix the base cover support plate to the base plate with two M5x10 pan head screws



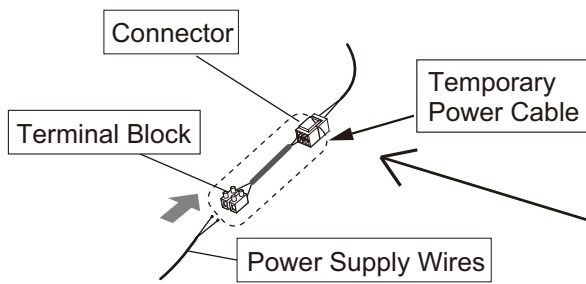
(3) Remove the chair pcb box cover by loosen the two M3x8 pan head screws.



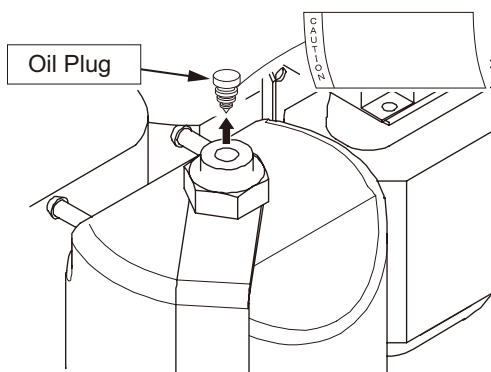
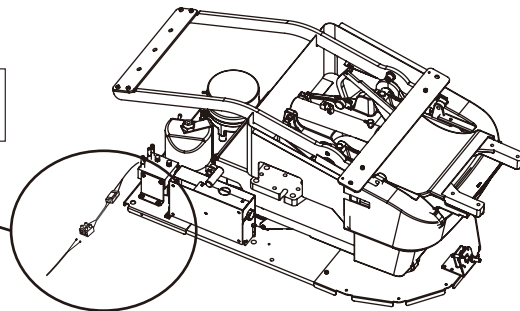
(4) Pass the cable from the stick switch through to the side hole of the pcb box housing. Connect the connector to CN4-1 on the chair pcb.



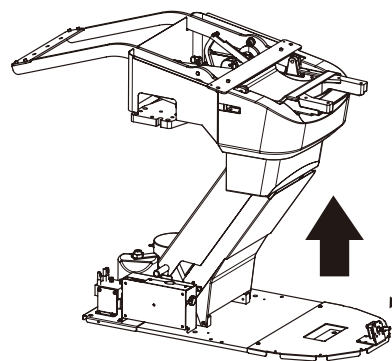
(5) Fix the chair pcb box cover with two M3x8 pan head screws.



(6) Connect the power supply wires to the chair power supply cable with temporary power cable.

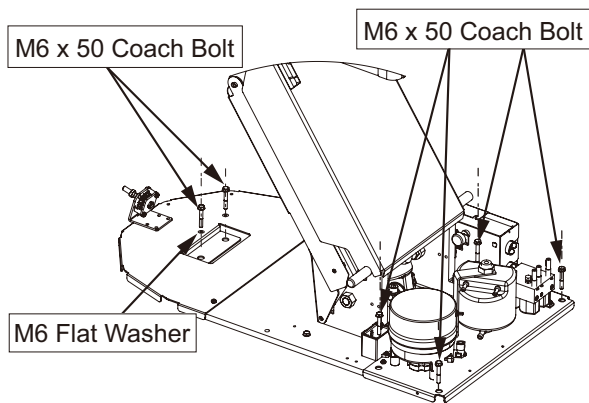


(7) Remove the red tagged oil plug from the oil reservoir.

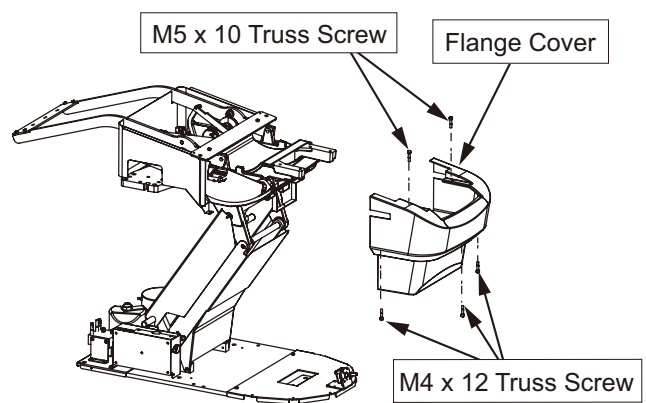


(8) Lift up the upper structure by the stick switch to the highest position.

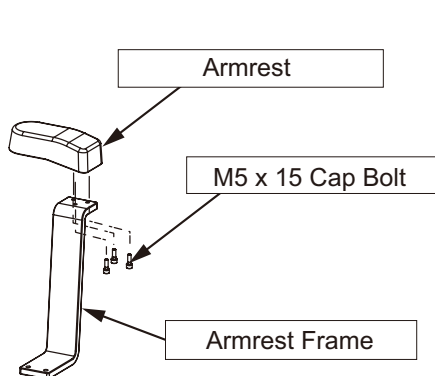
Installation Instructions



(9) Fix the base on the floor with six M6 x 50 coach bolts.

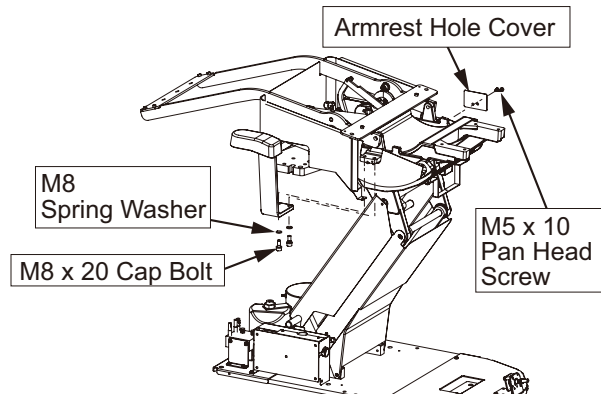


(10) Remove the flange cover by removing the five truss screws.



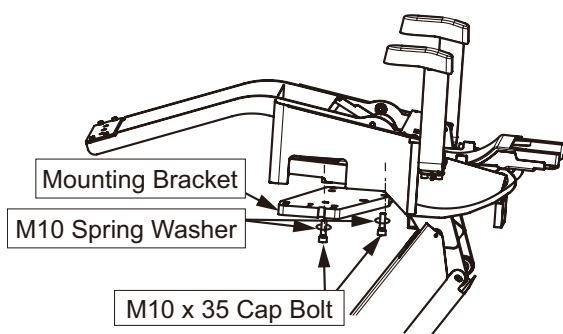
(11) Fix the armrest to armrest frame with three M5 x 15 cap bolts.

(Refer to page 10 for installation of the long armrest)



(12) Fix the armrest to the chair

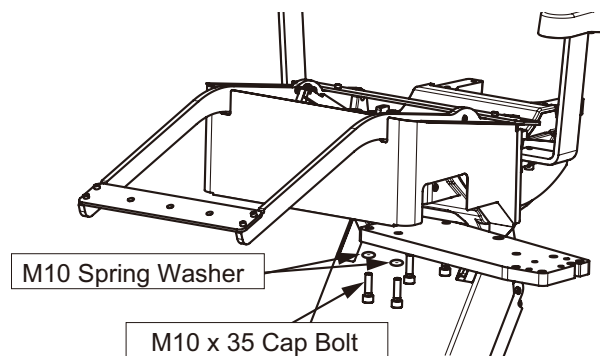
- For both sides : Remove the two M8 x 20 cap screws and M8 spring washers from the armrest frame. Fix the both armrests to the chair with same screws and spring washers.
- For one side : Remove the two M8 x 20 cap screws and M8 spring washers from the armrest frame. Fix the armrest to the chair with same screws and spring washers. Fix the armrest hole cover to other side with M5 x 10 pan head screws .



(13) Remove the mounting bracket from the chair by removing two M10 x 35 cap bolts.

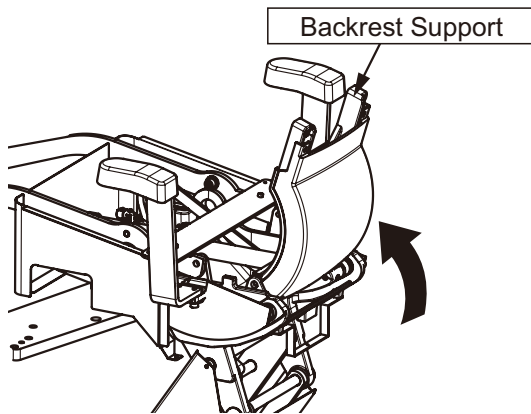
! CAUTION

The mounting bracket is heavy, be careful not to drop the mounting bracket when removing from the chair.



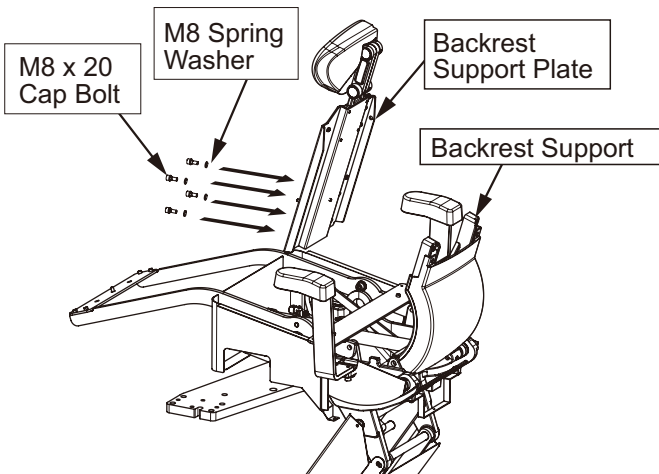
(14) Fix the mounting bracket to the chair with four M10 spring washers and four M10 x 35 cap bolts as shown on above.

Installation Instructions

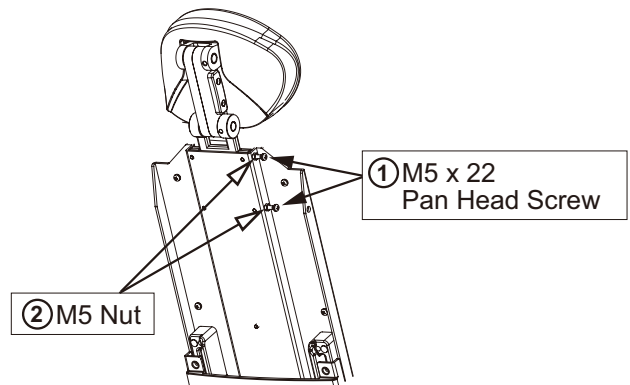


(15) Move the chair backrest to forward position by stick switch.

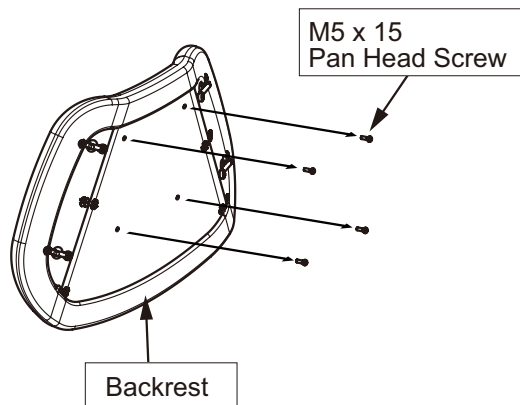
Before doing the following steps
Install the unit according to the installation manual of the unit. After the unit installation has been completed, attach the backrest, seat and base cover to the chair.



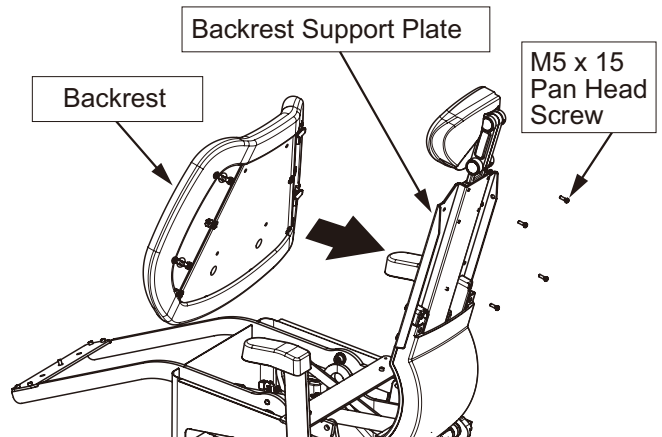
(16) Fix the backrest support plate to the backrest support by four M8 x 20 cap bolts with M8 spring washers.



(17) Confirm the headrest movement
If the headrest vertical movement is too heavy or too light. Loosen the ② M5 nut and adjust the ① M5 x 22 pan head screws. Make sure that the nut is tightened after adjusted.

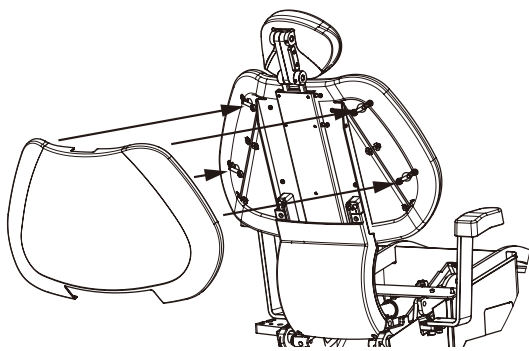


(18) Unscrew the four M5 x 15 pan head screws and remove the backrest.

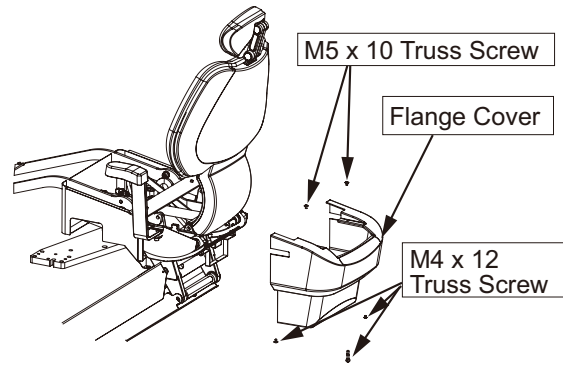


(19) Fix the backrest to the backrest support plate by four M5 x 15 pan head screws.

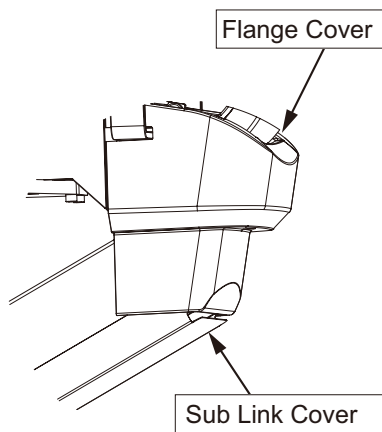
Installation Instructions



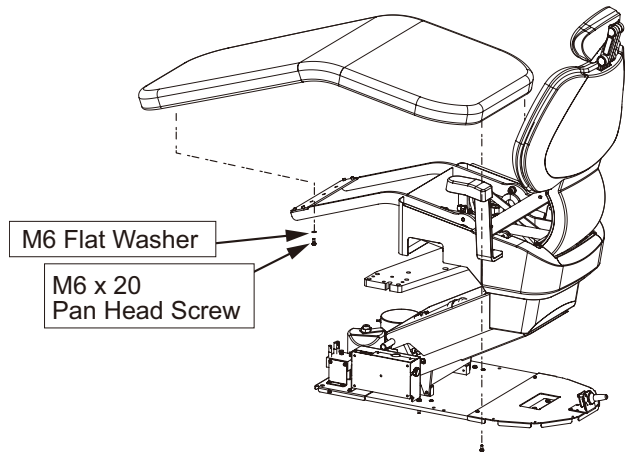
(20) Attach the backrest cover to the backrest. Insert four clip of backrest cover to the fixing portion of the backrest and push it. That four clips catch the fixing portion of the backrest.



(21) Fix the flange cover with two M5 x 10 truss screws and three M4 x 12 truss screws.



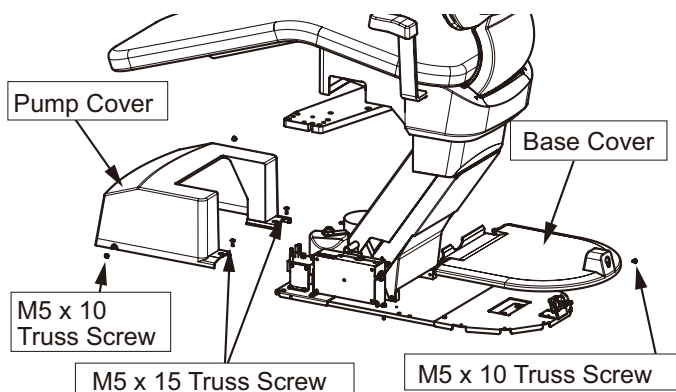
(22) Confirm that the sub link cover is located outside of the flange cover when the flange cover is attached.



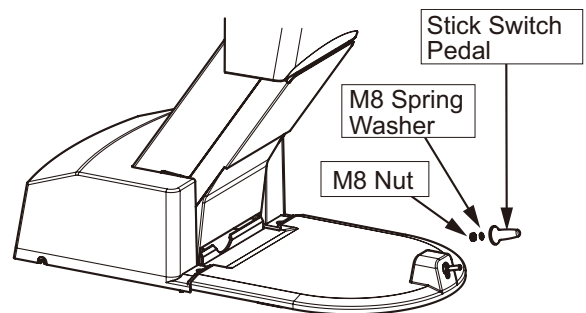
(23) Attach the seat to base section and fix with three M6 x 20 pan head screws and M6 flat washers

⚠ WARNING

Confirm that the chair is fixed to the floor securely before attach the covers.



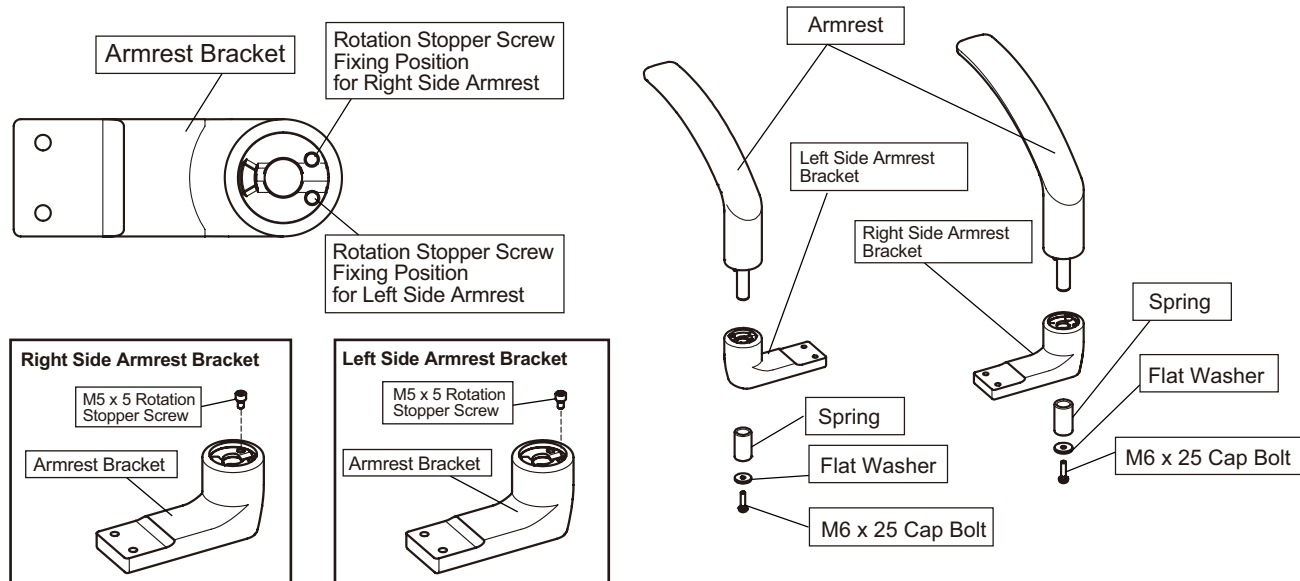
(24) Fix the base cover with M5 x 10 truss screw. Fix the pump cover with two M5 x 15, two M5 x 10 truss screws.



(25) Attach the stick switch pedal with M8 nut and M8 spring washer.

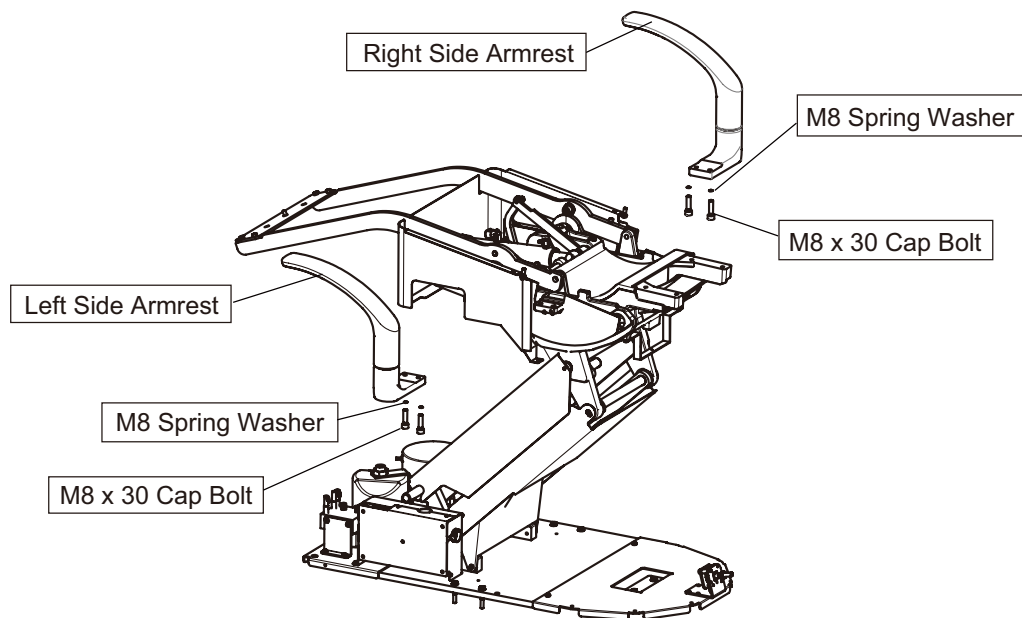
Installation Instructions

■ Installation of the Long Armrest (Optional)



- (1) Fix the rotation stopper screw to the armrest bracket.
The rotation stopper fixing position is different in left and right armrest bracket.

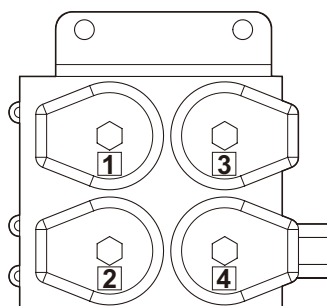
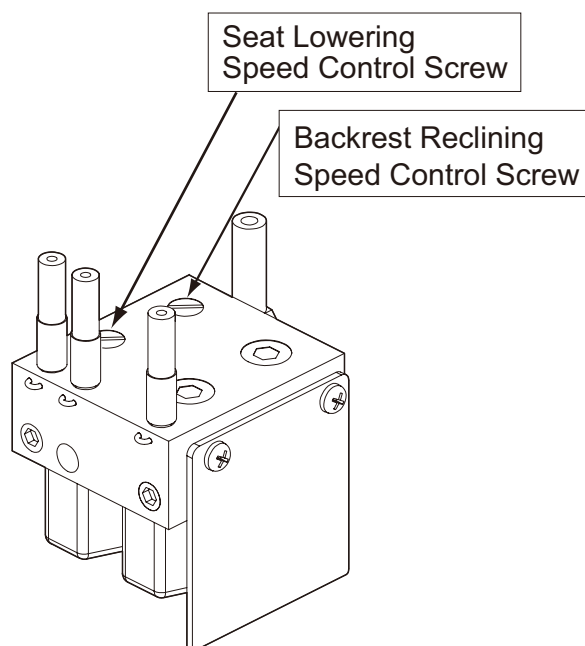
- (2) Insert the armrest to the armrest bracket and fix with spring, flat washer, M6 x 25 cap bolt.
Fix the left and right armrest in different direction.



- (3) Remove the two M8 x 30 cap bolt and M8 spring washers from the armrest bracket.
Fix the both armrests to the chair with same screws and spring washers.
After attaching the armrest, check that the armrest is opened outward properly.

Installation Instructions

■ Speed Adjustment



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

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

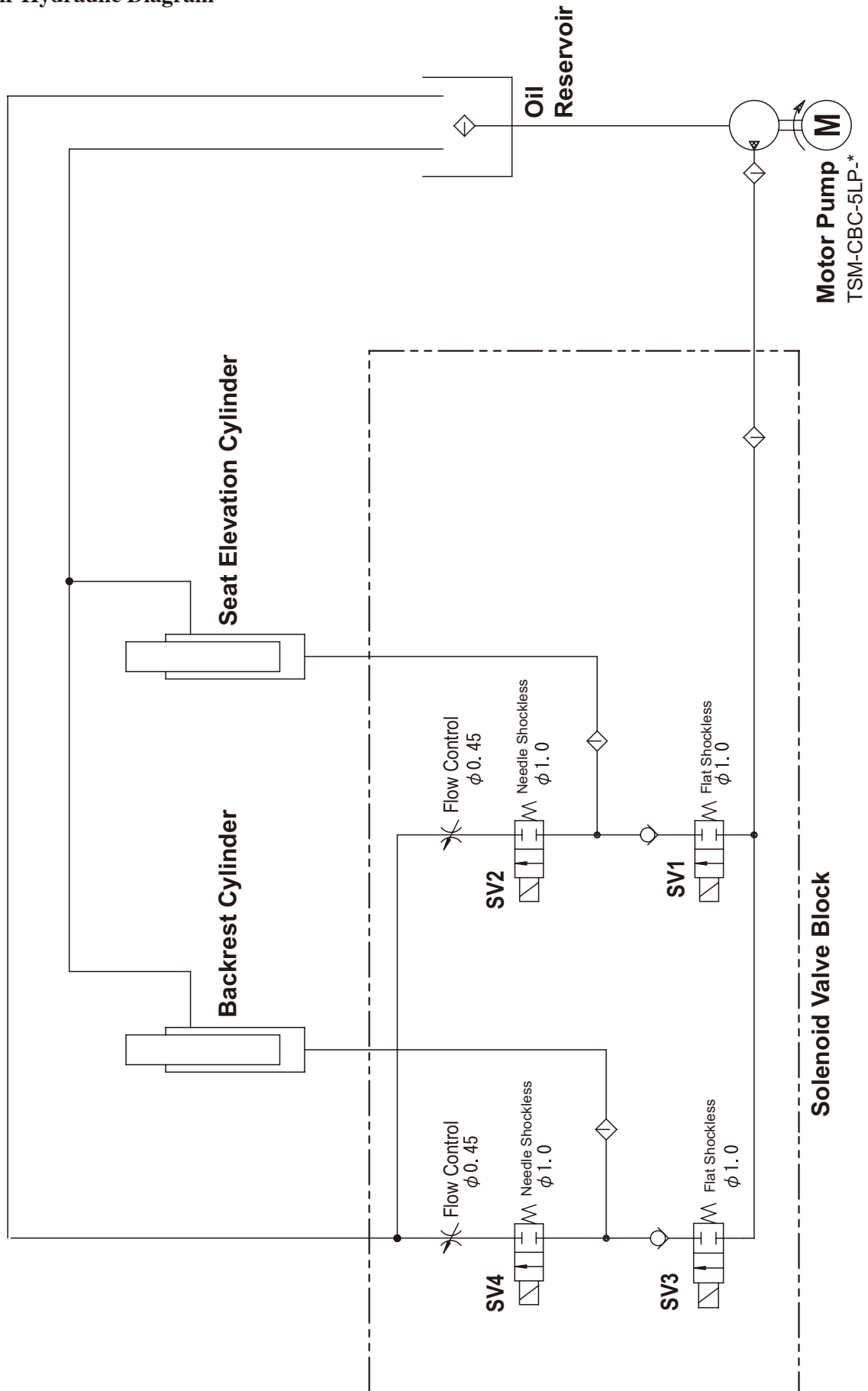
- (1) Remove the pump cover.
- (2) Turning the speed control screw clockwise to decrease the speed and turning counterclockwise to increases the speed.
- (3) After adjustment, reattach the pump cover.

CAUTION

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

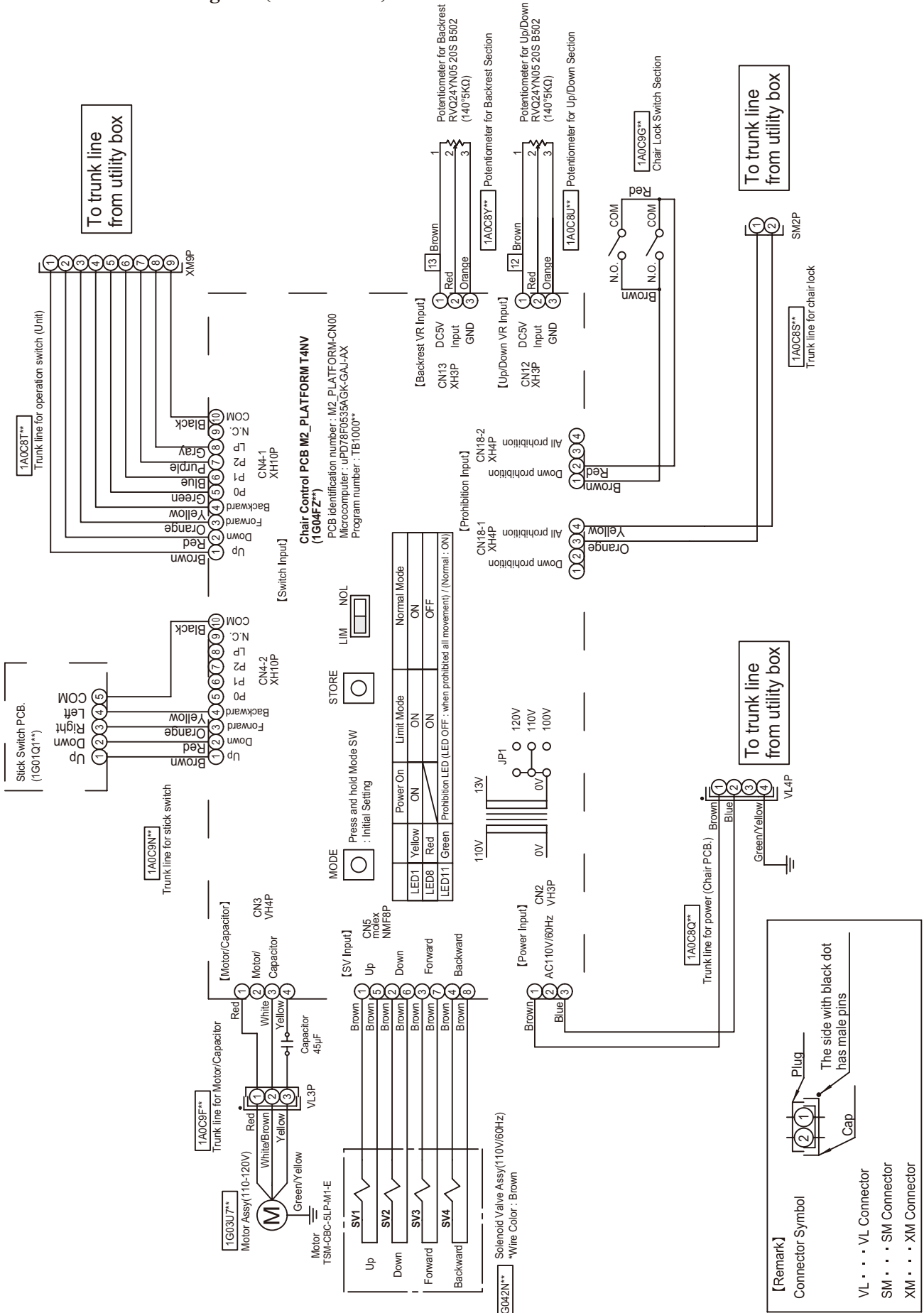
Installation Instructions

Chair Hydraulic Diagram



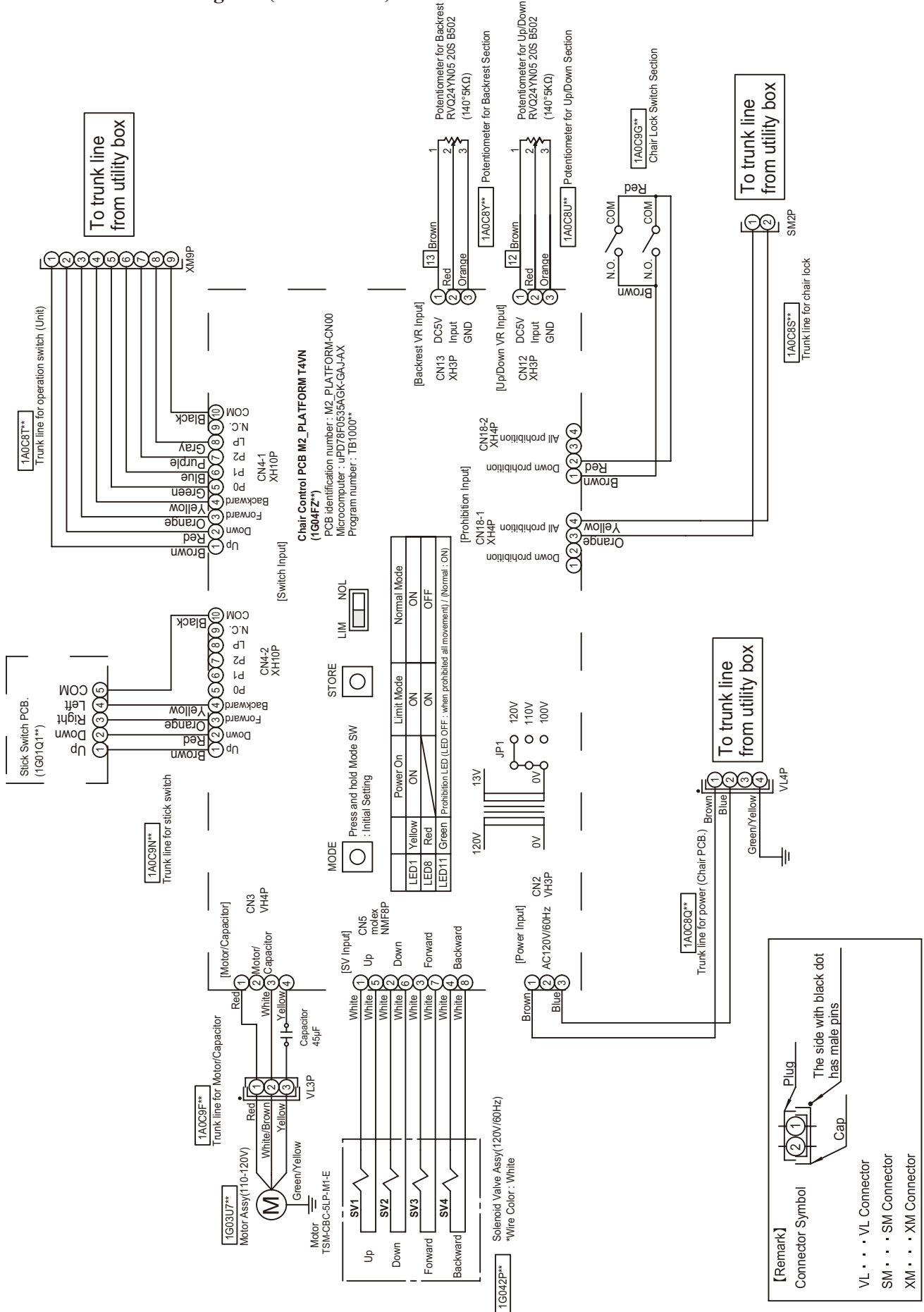
Installation Instructions

Chair Electrical Diagram (110V 60Hz)



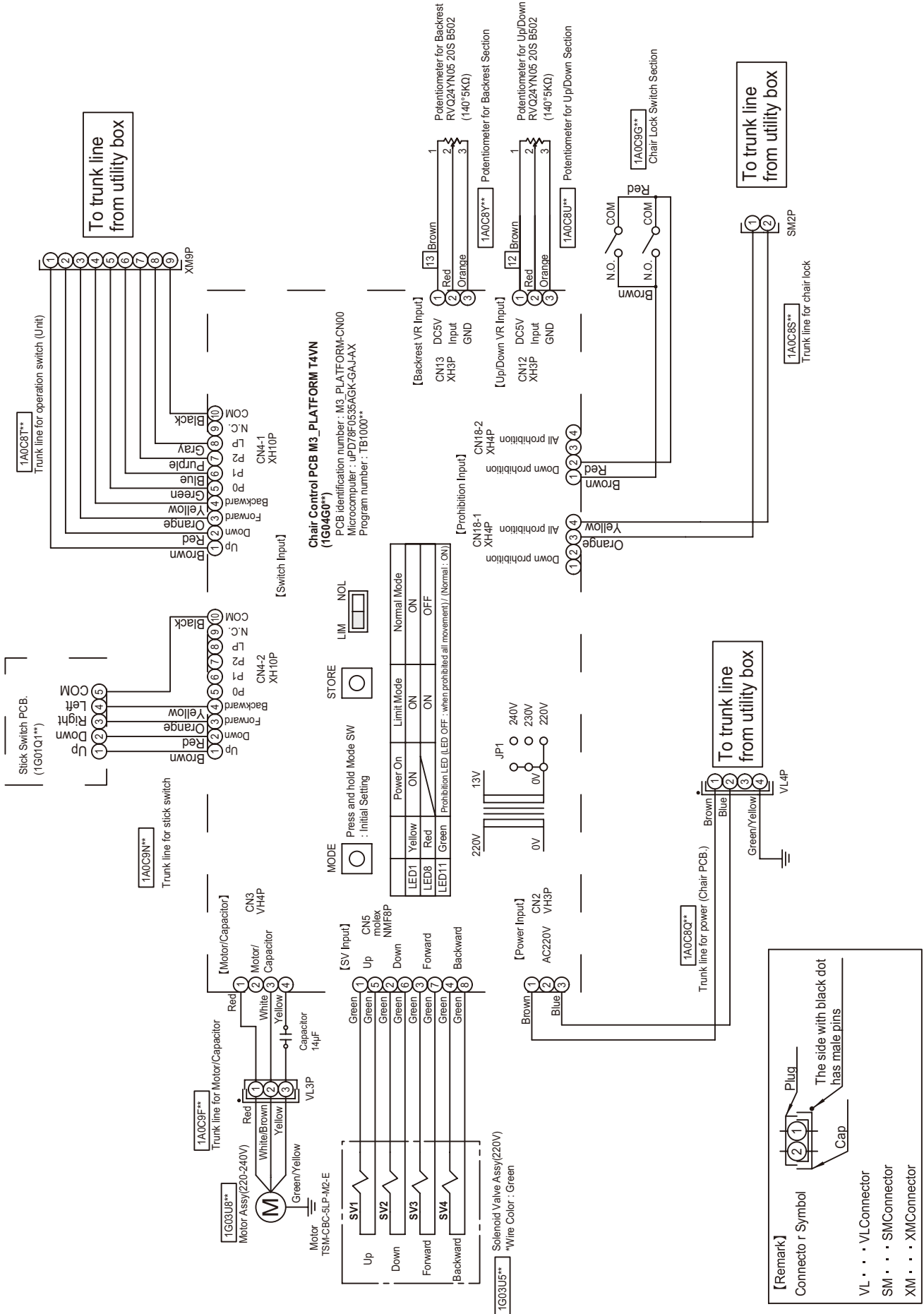
Installation Instructions

Chair Electrical Diagram (120V 60Hz)



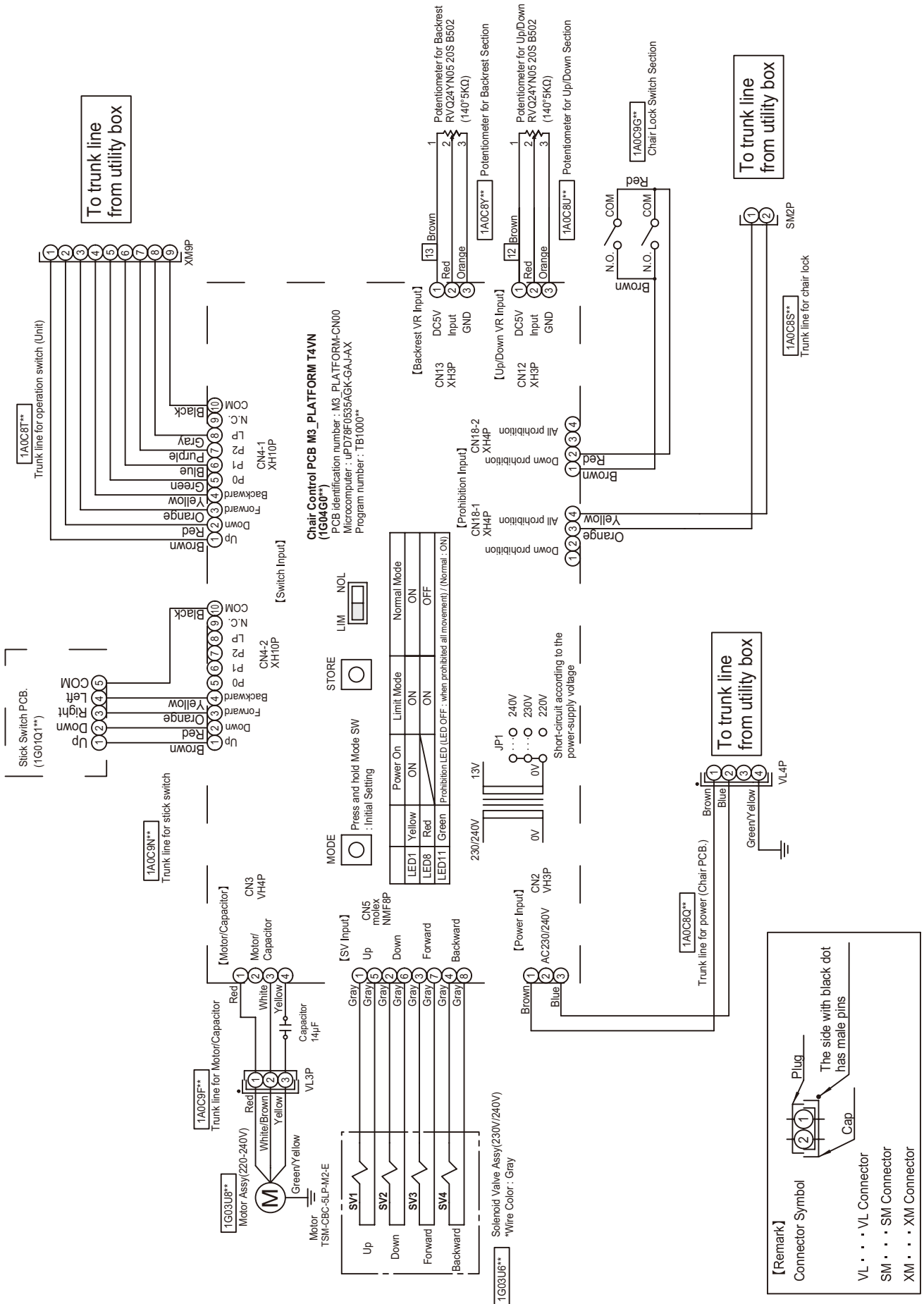
Installation Instructions

Chair Electrical Diagram (220V 50/60Hz)



Installation Instructions

Chair Electrical Diagram (230V 50/60Hz • 240V 50Hz)



NOTE

 **Belmont**



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