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# **AJ10 Installation Guide**

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### Product Service

If you want to get service information, please contact the local dealer authorized by ADS.

Technical support tel: 800 488 9708

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## 1 Precautions

### **Before installing the unit, you should:**

- Confirm the floor construction is safe to support the chair and clean.
- Reserve two manually operated valves for the air and water source.
- Exhaust the waste water and air before connecting.
- May have no necessity to use all the component described in this document when installing. Components should be evaluated before installation.

### **Before installing the unit, read the manual carefully:**



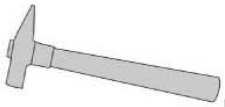
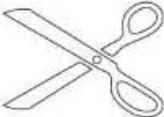
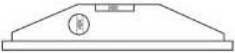





- Input voltage: AC110 V, 50 Hz.
- Make sure the dental unit is well-grounded.
- All the electrical components and their connections should be installed by an authorized technician.
- Only ADS-certified fuses, accessories, and spare parts can be installed on the chair.
- This device should not operate in the environment of high temperature, high humidity, vibration flammability, unbalance, or dusty.
- Only the authorized spare parts can be used in this device.
- Do not place objects within the range of motion of this chair.
- This device cannot be used in strong magnetic or electromagnetic environment.

### **Upholstery maintenance:**

- Do not use organic solvents or alkaline detergents (such as gasoline, alcohol, etc.), as they may cause the leather to crack, become smelly, or fade.
- Avoid direct exposure to sunlight and ensure good ventilation in the room (exposure can cause the leather to crack, and poor ventilation can lead to mold growth).
- Instruct the patient to remove sharp objects (like keys) before handling the leather to prevent scratches.

### 2 Tools and Instruments

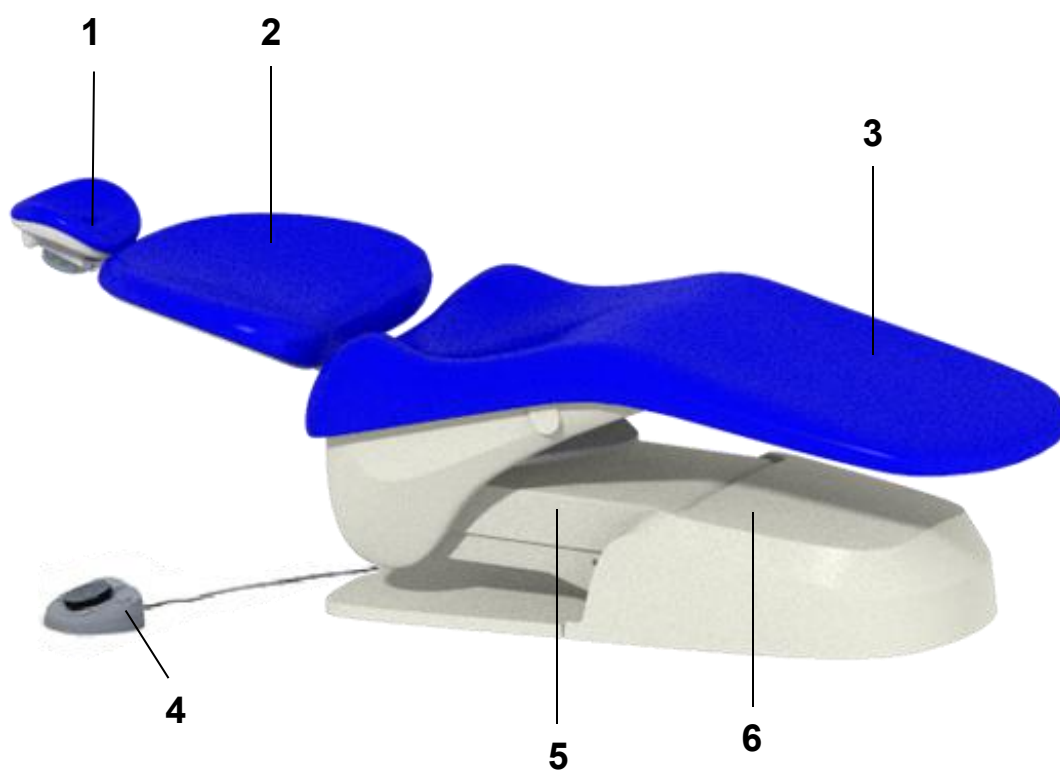
Prepare the tools and instruments below before installation.

	Electrical Drill		Pincers
	Hammer		Scissors
	Leveling Instrument		Flat-bladed Screw Driver
	Phillip Screw Driver		Allen Wrench
	Spanner		Hexagon Socket Wrench

### 3 Product Overview

The AJ10 dental chair (Figure 1), incorporating new design concepts, provides a good balance between usability, simplicity, and comfort.

**Figure 1 AJ10 Dental Chair**



Item	Component	Item	Component
1	Headrest	4	Footswitch
2	Backrest	5	Lifting Arm
3	Seat Upholstery/Toeboard	6	Junction Box

## 4 Specifications

### 4.1 Patient Load

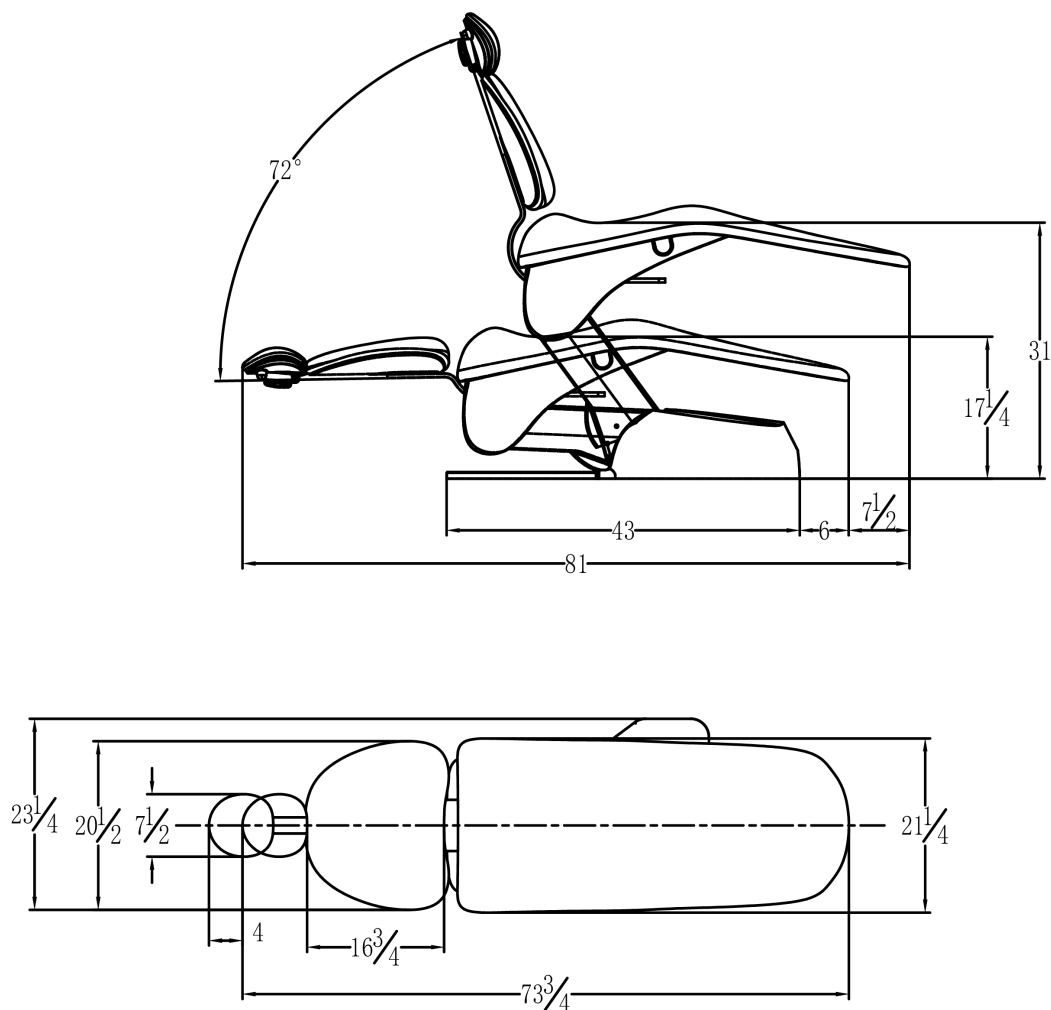
Patient load: Max 180kg



**Tip:** Specifications are subject to change without prior notice.

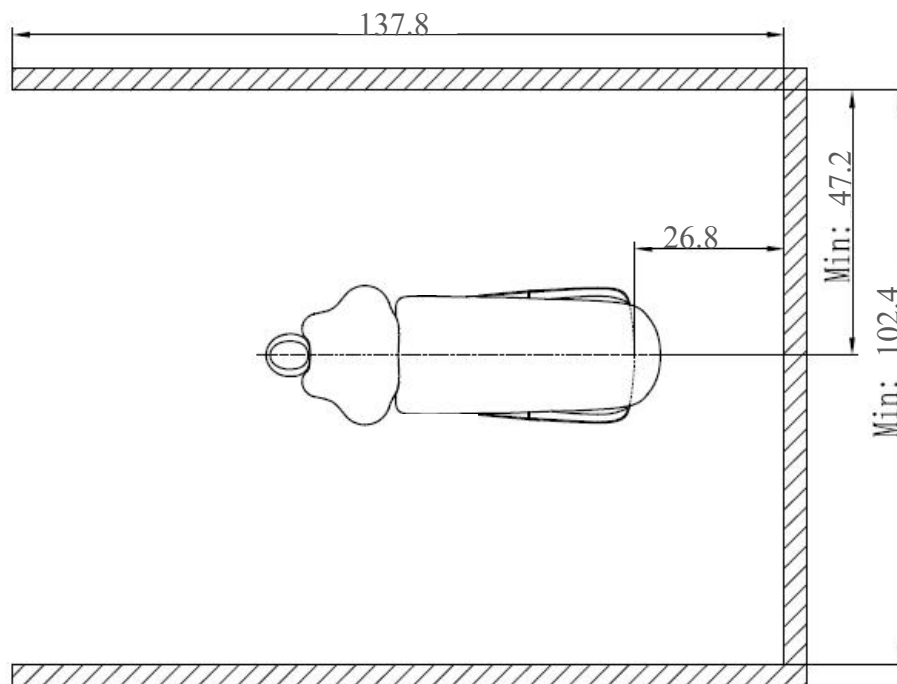
### 4.2 Dimensions

**Unit: inches**



### 4.3 Installation Requirements

**Unit : inches**



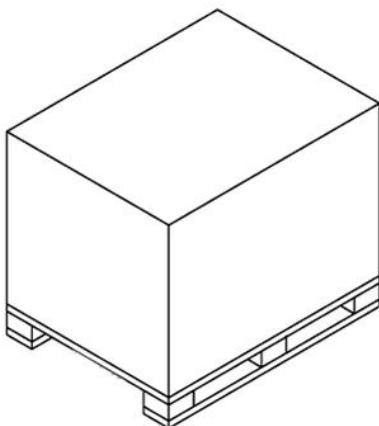
Note: The dimensions listed above are the minimum requirements.

## 5 Packaging

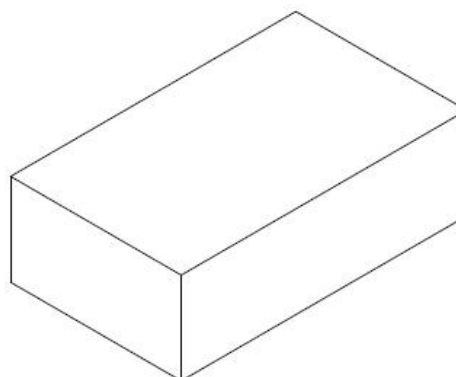
Note: This product is packed in separate parts, and total of four boxes. There is a packaging list attached inside. Please check that carefully before installation.

### Separated Packing Cases

Packing case of dental chair



Packing case of backrest and upholstery

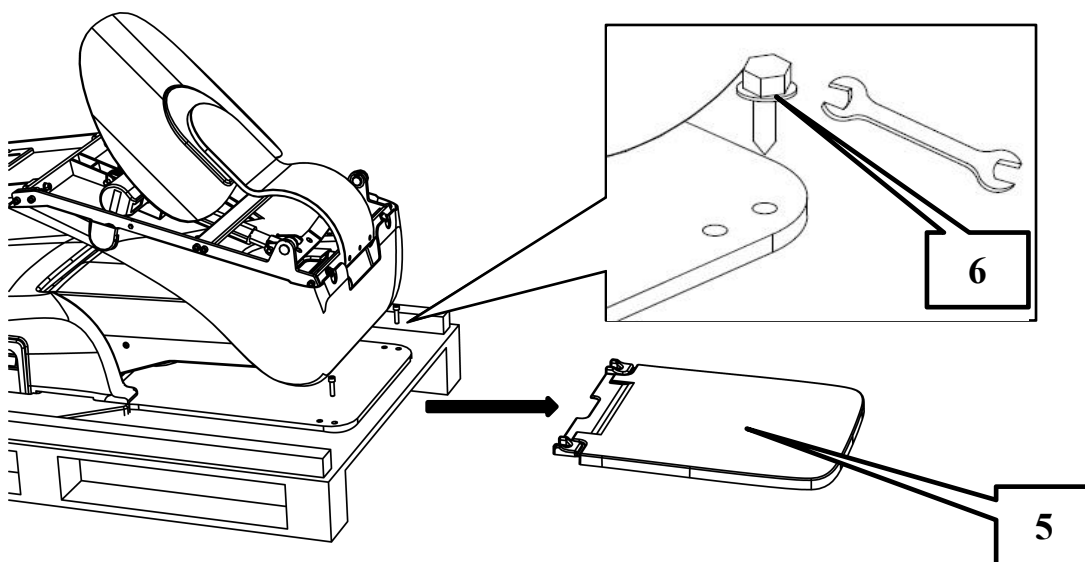




# 6 Installation

## 6.1 Place the Chair

1. Remove all objects and cardboard from around the dental chair.
2. Remove binding belt and backrest and upholstery packing.
3. Inspect dental chairs and accessories for damage and check that all accessories are complete according to the list of accessories.
4. Unscrew the fixing screws on the rear bottom shell.
5. Remove the rear bottom shell.
6. Use an open-ended wrench to loosen the four screws that fix the bottom plate of the package.
7. Find the grab points, lift the chair frame from the wooden support plate and place it in the installation position.




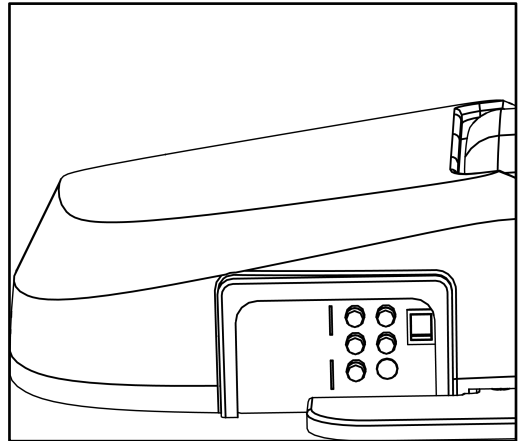
### 6.2 Fix the Chair



**Attentions:**

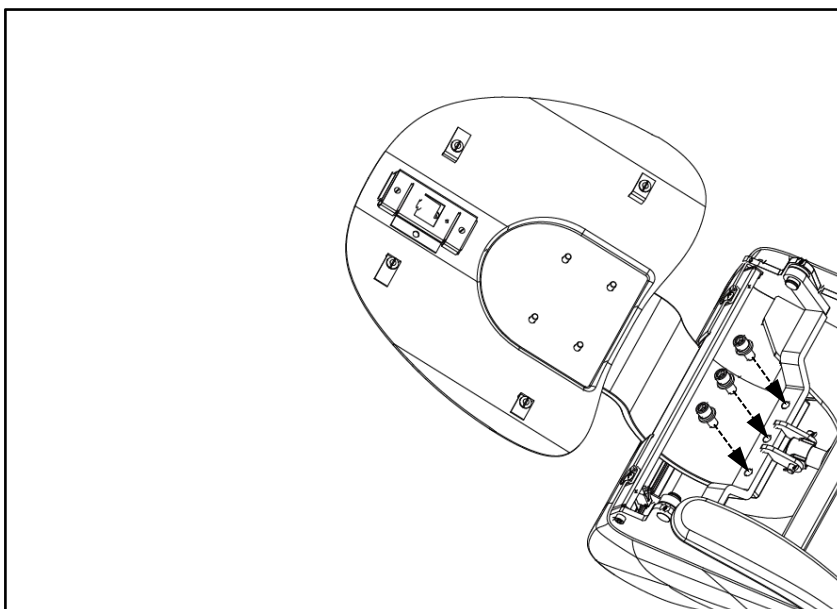
- 1.The chair must be fixed on the floor for ensuring stability, for it can be seriously damaged by wrong fixation.**
- 2.Check out the material of the floor on the installing place. Please contact the authorized contractor to thickening the floor if its thickness is less than 82 mm.**

1. Power on and activate the unit.
2. Press button  on the footswitch to raise the unit.
3. Switch off the unit and disconnect the power.
4. Remove the cover and mark the screw hole positions, then move the unit away.
5. Drill at the marked positions, insert the explosive bolt and return the unit to its position. and tighten the screw.



### 6.3 Install the Backrest and Headrest

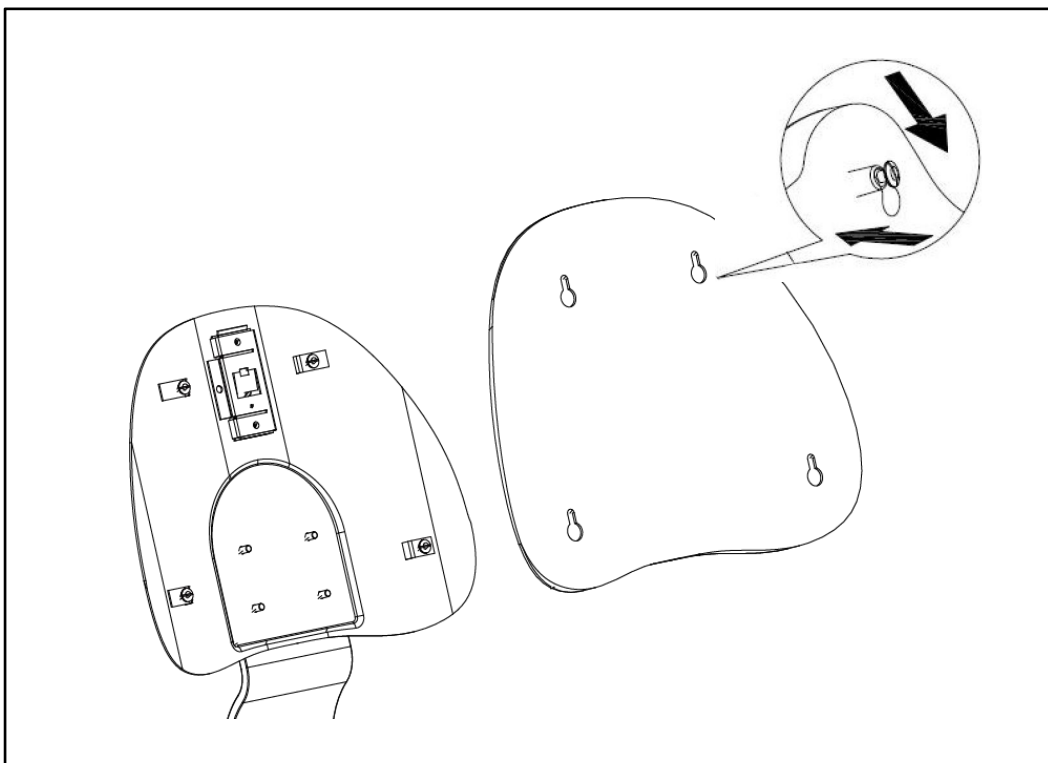
1. After placing the bending plate in the corresponding position to the chair frame, tighten the three screws shown in the figure with an inner hexagon wrench.



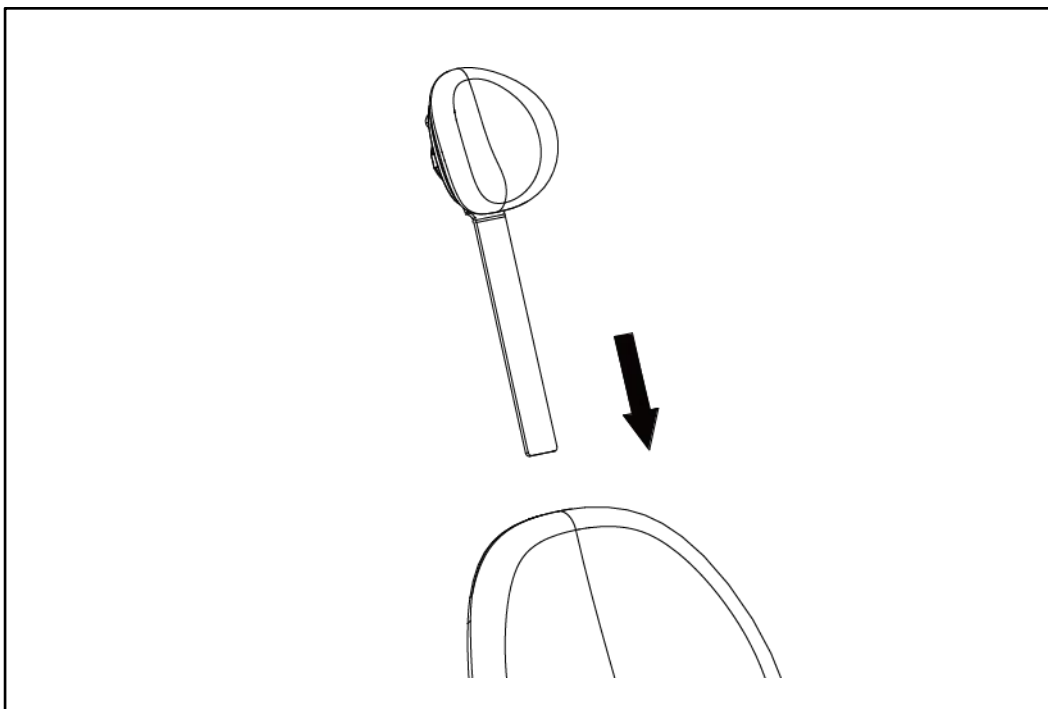
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2. Place the key holes in the backrest upholstery over the fastener posts on the back upholstery armature. Push down until the backrest upholstery inserts into place.

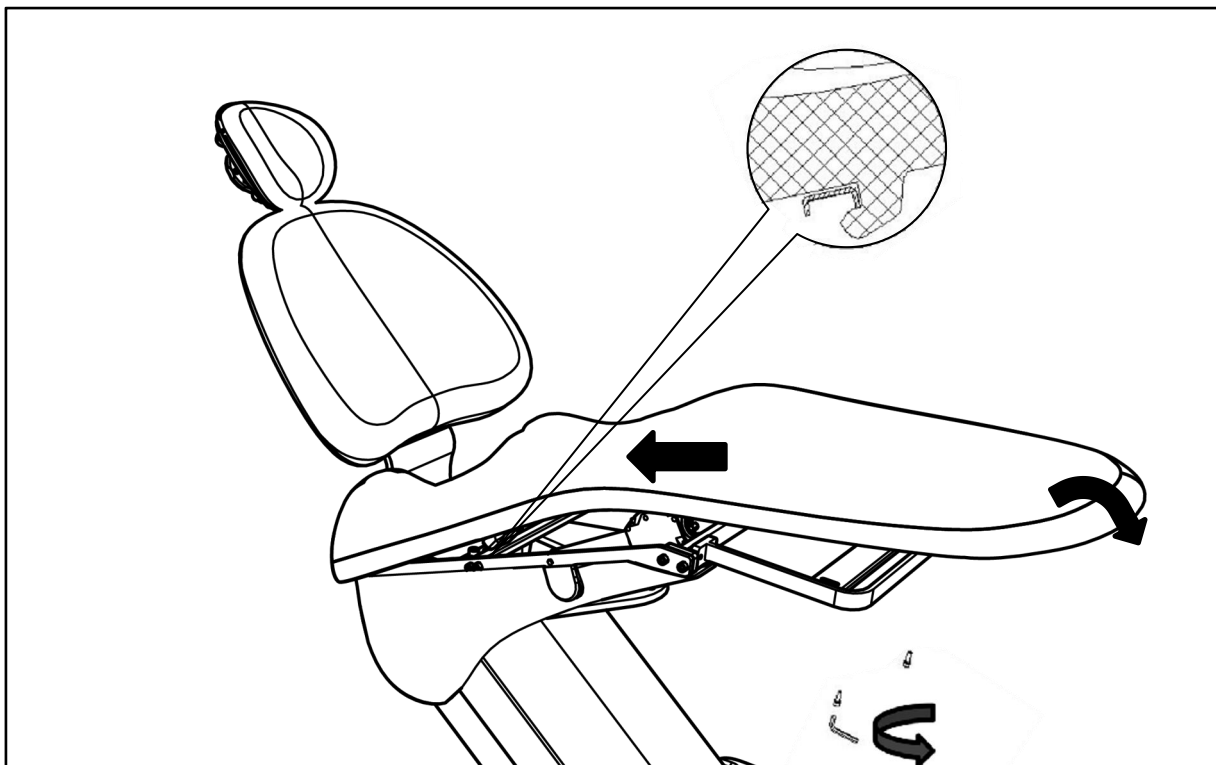


3. Insert the glide bar into the slot at the top of the backrest upholstery. Push it down into place.

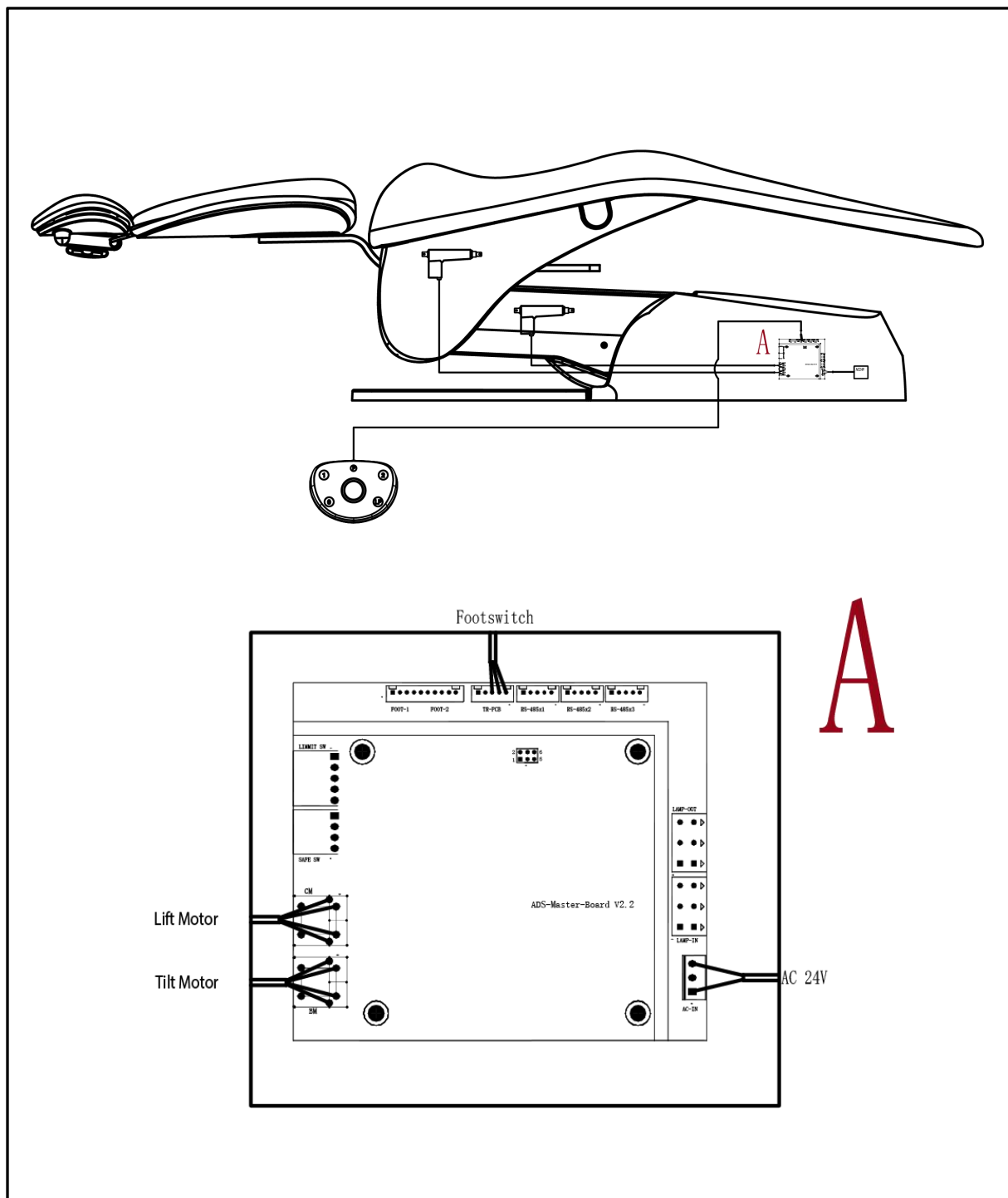


### 6.4 Install the Seat Upholstery

Put the upholstery onto the chair frame, lock the bracket and the rear end of the chair frame together, and tighten the front end of the chair frame with 2 M6\*16 screws.



## 7 Wiring Diagram







We reserve the right to make any alteration which may be due to technical improvements.



## ADS Dental System Inc.

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