

# **Installation Manual of Classic 200 Delivery System**

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The document is intended to be used in conjunction with the equipment.

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### **Product service**

If you want to get service information, please contact the local dealer authorized by ADS company. Technical support tel : 800 488 9708

# CONTENTS

1 Introduction			
	1.1	Products information	1
	1.2	Symbols explanation	1
2	Com	positions	3
3	Sizes	5	4
4	Specif	fications	5
5	Prep	arations	5
	5.1	Attentions	5
	5.2	Tools recommended	6
	5.3	Installation sequence	7
6	Instal	lation	8
	6.1	Install assistant unit	9
	6.2	Install rotary arm to the chair	11
	6.3	Install dentist unit	12
	6.4	Level arm adjustment	15
	6.5	Install dental light (optional)	16
	6.6	Install foot control	22
	6.7	Junction box connections	23
7	Wate	er &Air diagrams	25

## **1** Introductions

## **1.1 Products information**

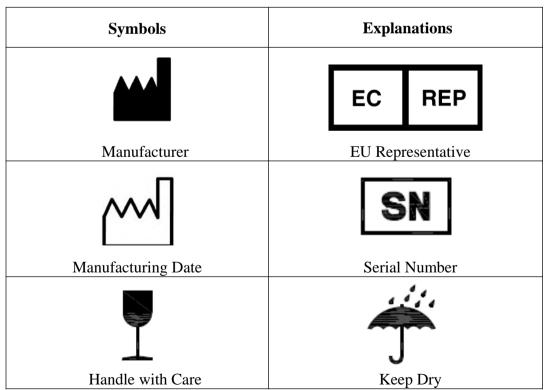
- •Name: Delivery system
- •Model: Classic200

#### •Working condition requirements:

- (1) Ambient temperature: 5 °C  $\sim$  40 °C;
- (2) Relative Humidity:  $\leq 80\%$ ;
- ③ Nominal Voltage: AC110 V $\pm$ 22 V;
- (4) Nominal Frequency:  $60 \text{ Hz} \pm 1 \text{ Hz}$ ;
- <sup>(5)</sup> Water Pressure: 29 psi∼58 psi;
- (5) Input air pressure 72.5 psi~101.5 psi , Air flow  $\geq$ 50 L/min;

### **1.2** Symbols explanations

#### Table 1



Unit conversion			
MPa	psi		
0.2MPa	29psi		
0.4MPa	58psi		
0.6MPa	87psi		
0.8MPa	116psi		

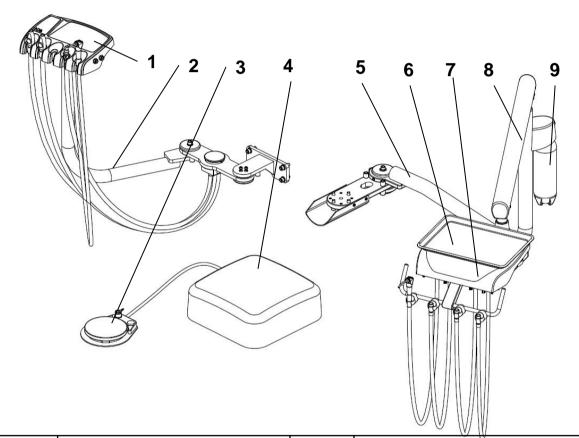
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Symbols	Explanations
Ĩ	
Refer to Instructions	Caution!
(internet internet in	(*K)
Refer to Attached Document.	Backrest down
	< <u>*</u>
Avoid Electric Shock	Backrest up
	<+
Ground Protection	Chair down
P Setup Button	Chair up
Spitting position	P1 Program chair position 1
(P2)	(P3)
Program chair position 2	Program chair position 3

## 2 Compositions

The system is composed by following components.

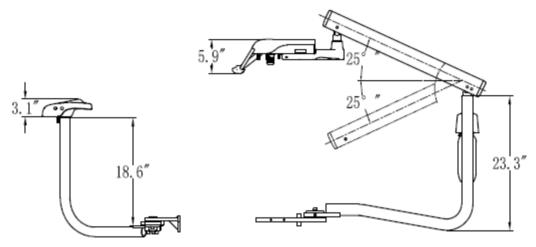
### Figure 1 Classic200 delivery system

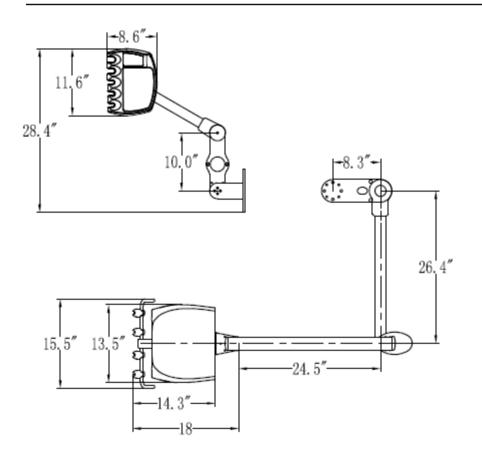


Item	Component	Item	Component
1	Assistant tray	6	Instrument tray
2	Assistant arm	7	Delivery head
3	Foot control	8	Level arm
4	Junction box	9	Water bottle
5	Rotary arm	10	

## **3** Sizes(unit:inches)

### Figure 2





## 4 Specifications

#### Table 2

Light illuminance	8000-40000 Lux	
Max load of delivery head	2.5kg	
Ambient temperature	5 °C∼40 °C	
Air supply pressure	72.5 psi∼101.5 psi	
Water supply pressure	29 $\sim$ 58 psi	

## **5** Preparations

#### 5.1 Attentions

#### Before install the unit, you should:

- Confirm the floor construction is safety to support the chair and clean.
- Apply two manually operated valves for the air and water source.
- Exhaust the dirty water and air before connecting.

#### Before install the unit, please read the manual carefully:

- Input voltage AC110V, 60 Hz.
- Make sure the dental unit is well-grounded.
- All the electrical components and connections should be made by an authorized technician.
- Only fuse and accessories recognized by ADS technician can be used.
- 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.
- This device can not be used in the environment of strong magnetic, electromagnetic.

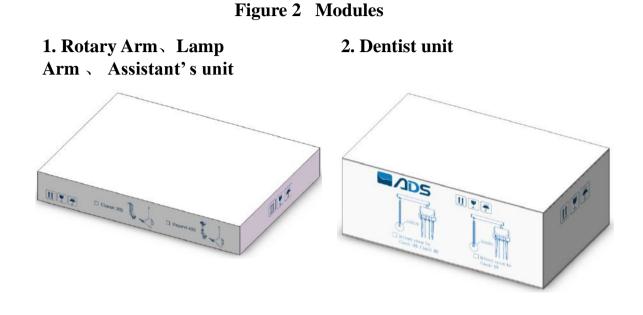
## 5.2 Tools recommended

The tools and instruments need to prepare before installation

	Electrical drill	SPEC	Pincers
A-	Hammer		Scissors
	Leveling instrument		Flat-bladed Screw driver
<u> </u>	Phillip screw driver		Allen wrench
5	Spanner		Hexagon socket wrench

#### **5.3 Installation sequence**

Installation modules of the Classic 200 system. Please install modules as the sequence as figures below.



3. Dental light

4. Junction box



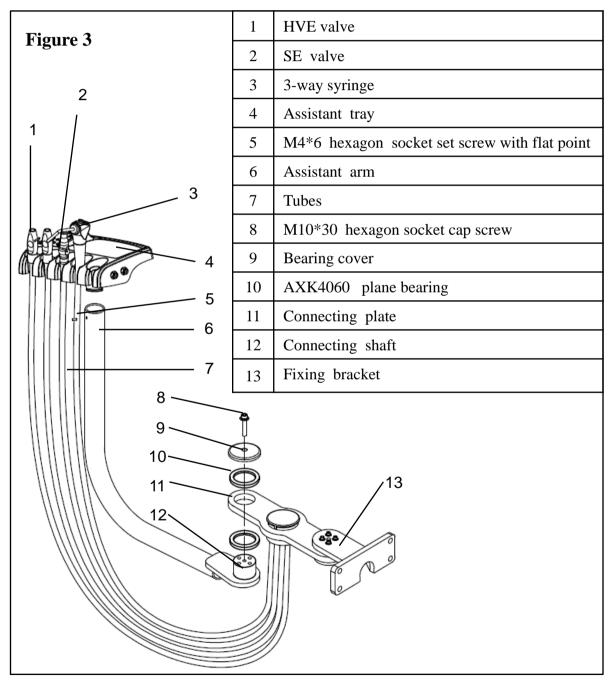


Notice: Each box contains all the parts that belong to the module .

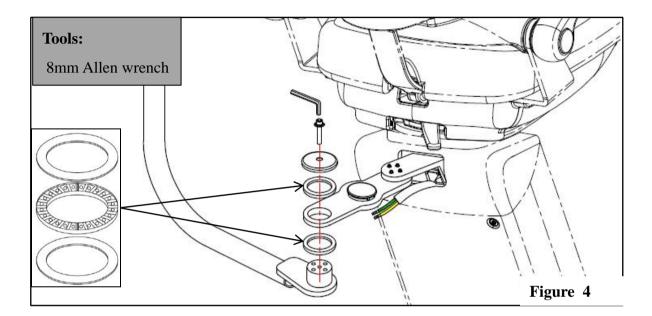
## **6** Installation

It is necessary to check whether the system and its accessories are damaged after unpacking .In addition, please check all accessories according to the accessories list. Please install the unit in following orders.

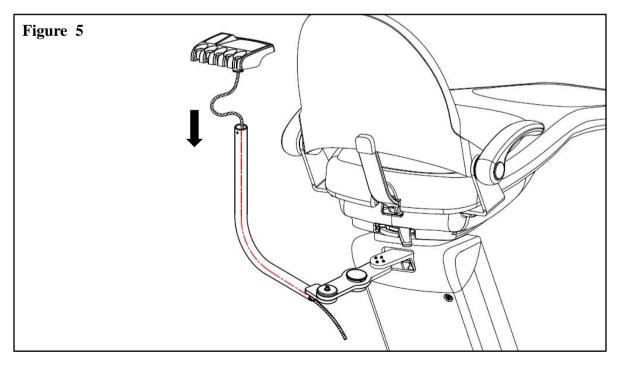
### 6.1 Install assistant unit



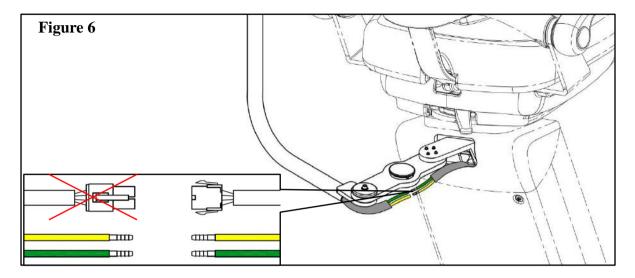
1. Loosen the M10\*30 screw on the connecting plate, mount assistant arm to the connecting plate as the figure shown, then fasten the screw.



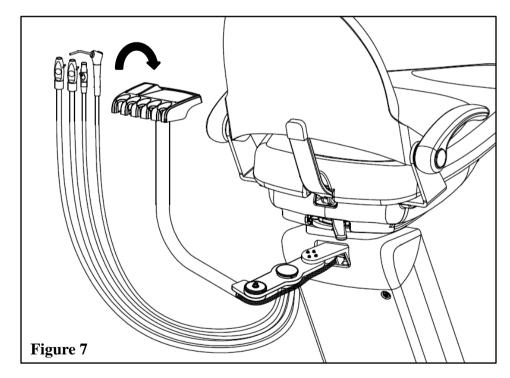
2. Let the tubes of the tray route through assistant arm, insert the shaft of the tray into the arm and fix them with a M4\*6 screw.



3. Connect the tubes in same colors as the figure shown.

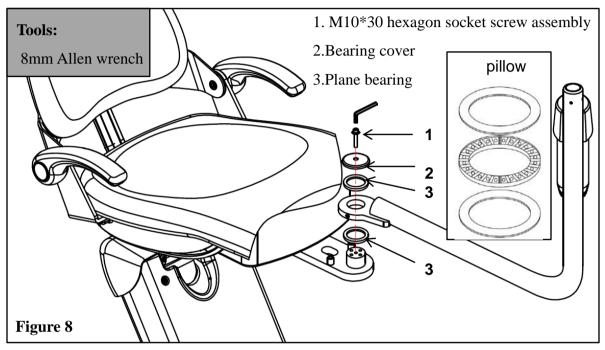


4. Put the HVE,SE and syringe to the holders.

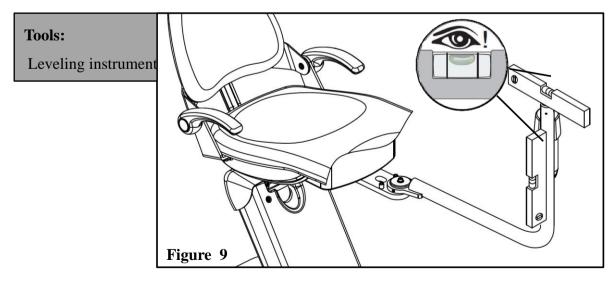


#### 6.2 Install the rotary arm

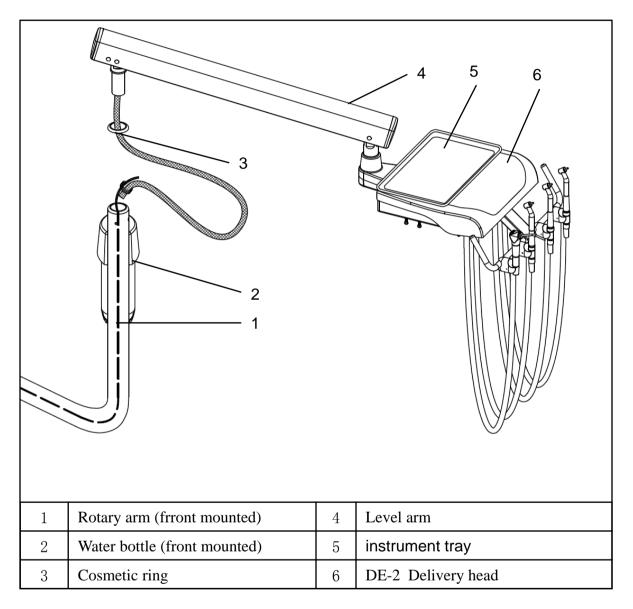
1. Release the M10\*30 screw of the connecting plate, mount the rotary arm to the front mounted connecting plate as the figure shown, then fasten the screw.



2. Assure the levelness of the rotary by regulating the four screws on the connecting plate.



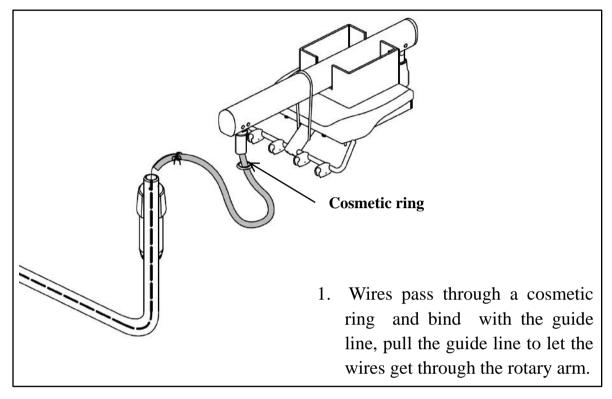
#### 6.3 Install dentist unit



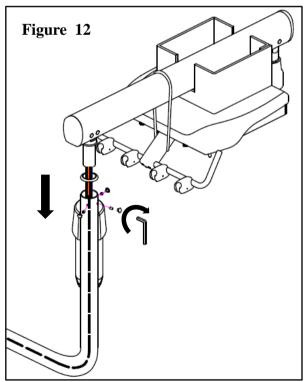
#### Figure 10 Compositions of dentist unit

#### Installation Manual of Classic 200 Delivery System





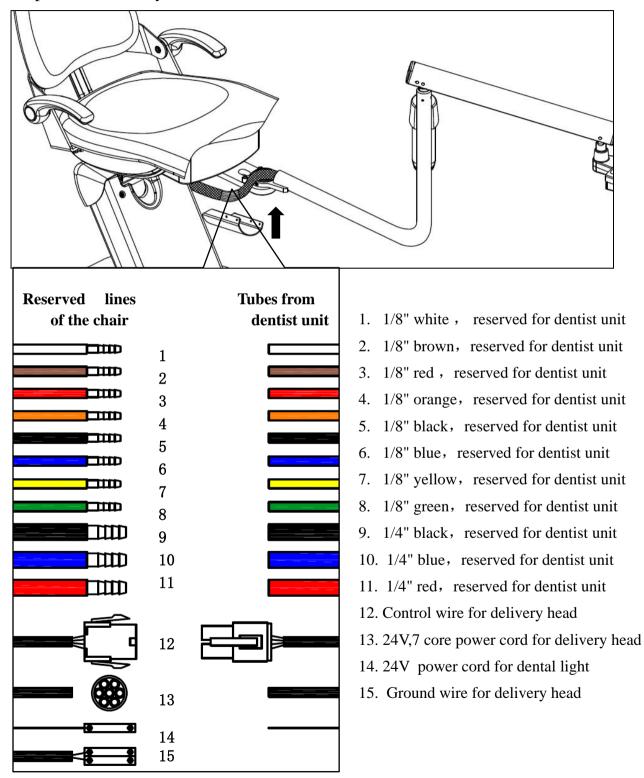
- Install the unit to the rotary arm, fix it with three M6\*8 screws and insert the screw caps. Remove the wrappages after finish this step.
- **Note:** Tightness of the M6 screw influences damping force of the level arm .



Tools: 3mm Allen wrench

#### Installation Manual of Classic 200 Delivery System

3. The tubes of the dentist unit and those reserved of the chair shall be connected by color, and close the cover after connection. Ignore the reserved wires, you have no need to connect them for there's no control panel on delivery head.

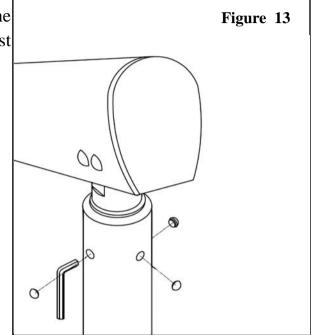


### 6.4 Adjust the level arm

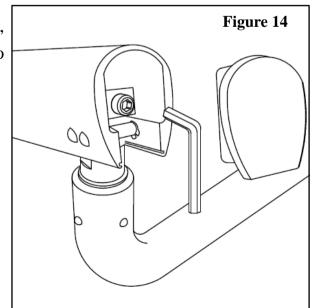
- 1. Remove the screw caps, change the tightness of the screws to adjust the damping force of level arm.
- Note: Loosen the screws in counterclockwise, tighten in clockwise.

#### Tools:

3mm Allen wrench



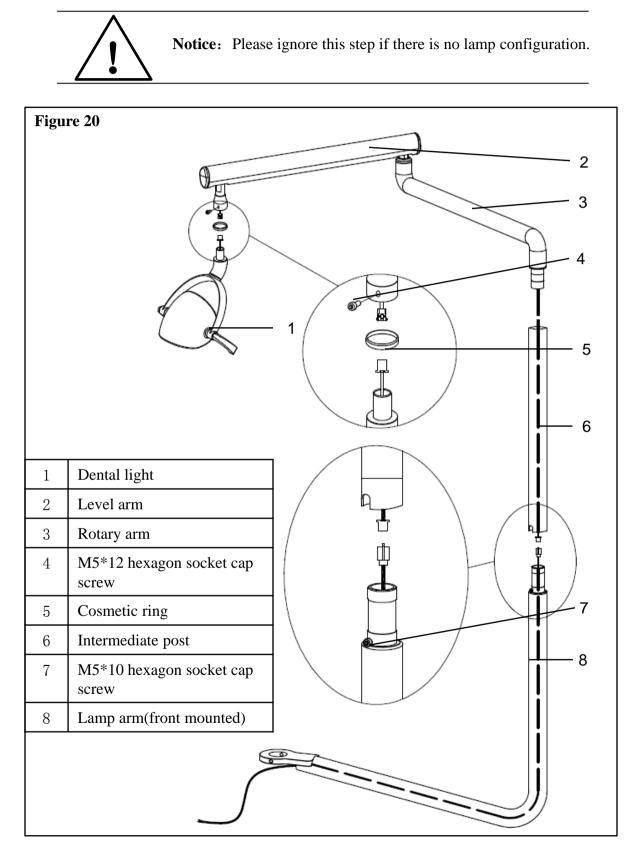
- 2. Remove the end cover of level arm, adjust the tightness of the screw to get suitable balance force.
- Note: Loosen the screws in counterclockwise, tighten in clockwise.



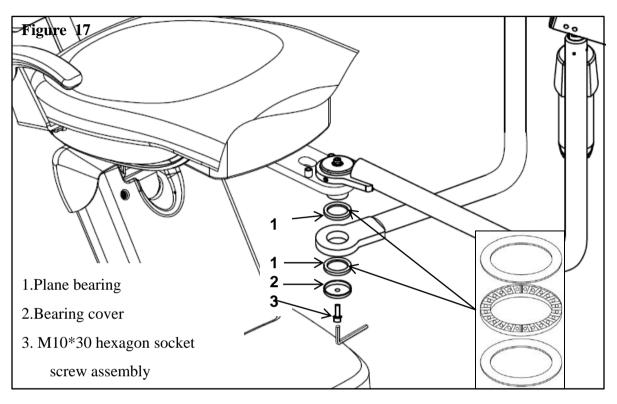
#### Tools:

5mm Allen wrench

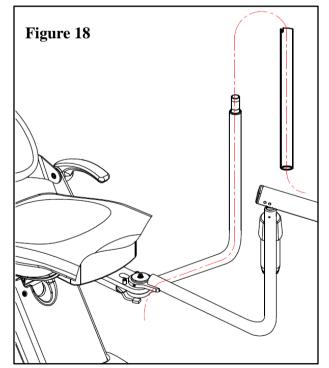
### 6.5 Install dental light (optional)



1. Release the M10\*30 screw of the connecting plate, mount the lamp arm to the front mounted connecting plate as the figure shown, then fasten the screw.

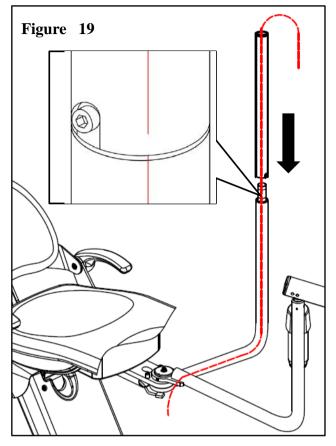


2. Let the guide line route though the intermediate post as the figure shown, the post end which has a jag should be upward.

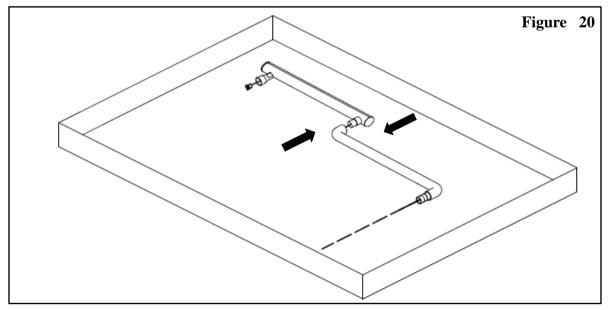


### Installation Manual of Classic 200 Delivery System

3. Joint the intermediate post and the rotary arm, the jag on the post is screw position .

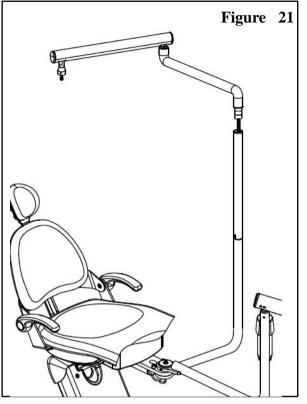


4. Joint the level arm and the rotary arm, take them out from the carton.

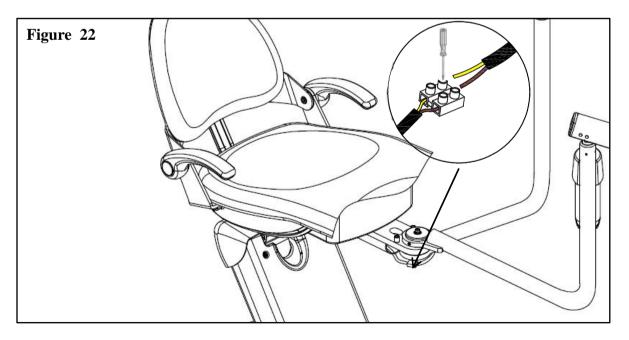


### Installation Manual of Classic 200 Delivery System

5. Tie the light wire and the guide line together, pull the guide line to lead the wire pass through the post and the lamp arm .



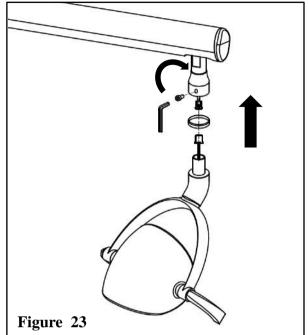
 Connect the light wires and the reserved wires brown to brown, yellow to blue.



- 7. Take out the lamp from the package, pass the wire through the cosmetic ring and connect the wire terminals, then joint the light head and the level arm together, fully fasten with a M5\*12 screw.
- **Note:** Hold the lamp, do not drop it to avoid damage.

#### Tools:

4mm Allen wrench



#### 6.6 Install foot control

 Pass the foot tube over the side of hydraulic pump, fix the tube by clips.



2. Bind the front part of the foot tube and the tube bundle together with zip ties.

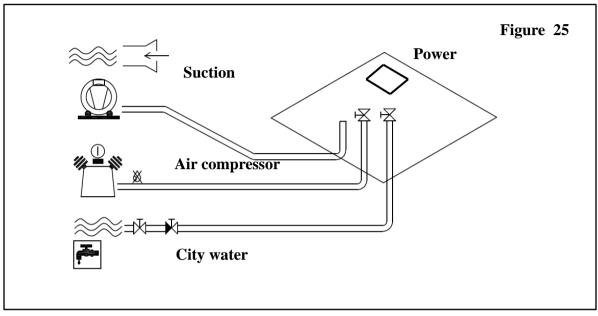


3. The other end of the foot tube shall reach out from the side of front shell .

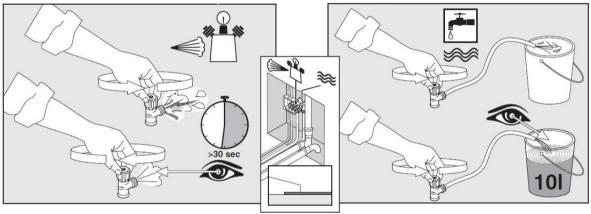


#### 6.7 Before junction box connection





#### Figure 26



The tubes & wires are in the tubing zone or inside the external junction box, their places depend on your chair configurations.

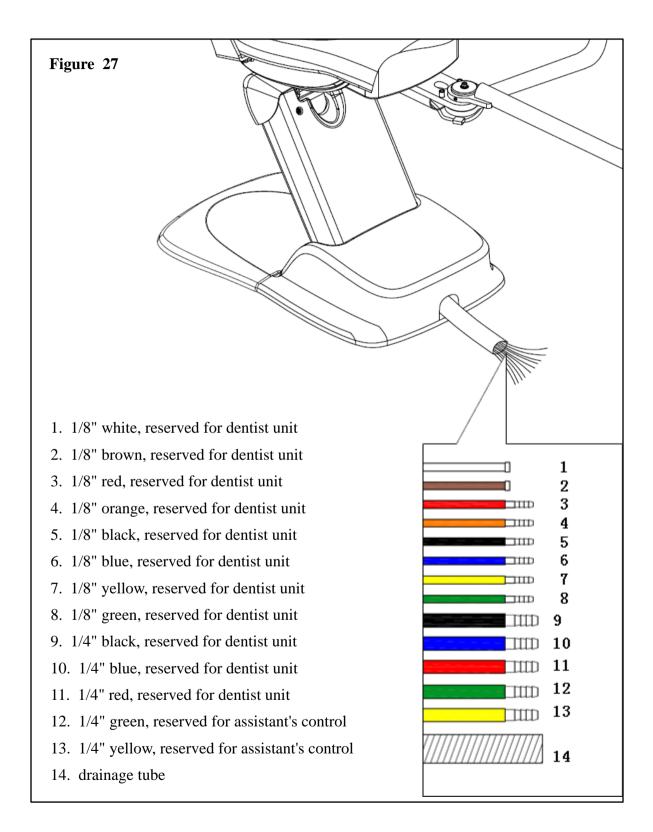
1. Open the valves to exhaust water and air, clean the tubes before connecting.

2.. Open the cover of the junction box, connect the air-in, water-in and water-out.

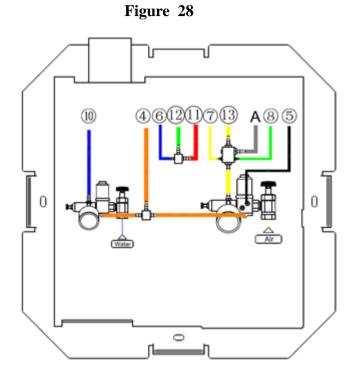
3. Take out the power box of dental light ,connect the power cord to the power box, and plug into the socket.

4. Close the cover after making sure they are well-performed.

#### 6.8 Connections of junction box

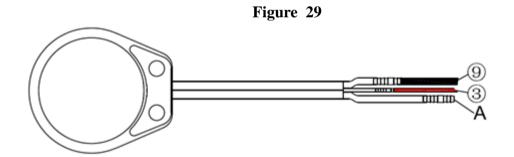


The tubes of junction box and those of the chair shall be connected by color.



#### Foot tubes connection

Connect the foot tubes and the tubes of junction box & the chair by color.



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





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