3300C massage chair service guide
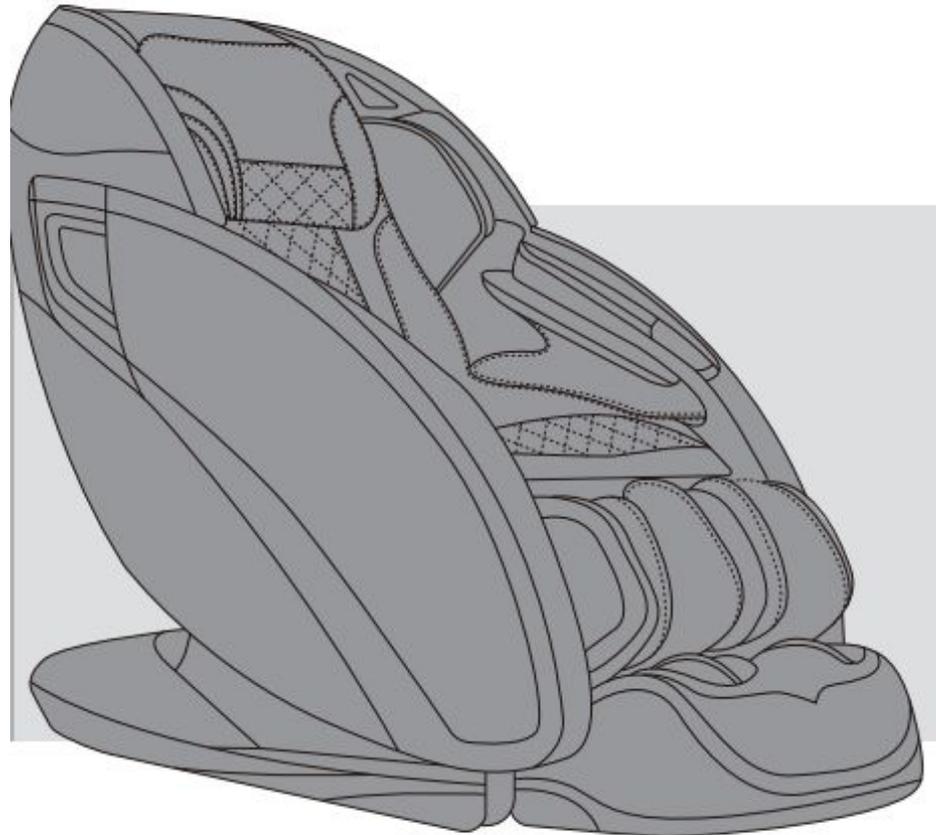
Table of Contents

一、**Product introduction**

二、**Circuit working principle**

三、**Massage chair removal instructions**

四、**Massage chair fault judgment**

一、Product introduction

1、Product appearance size：

width
75CM

height
178CM

Length
118CM

一、Product introduction

**2、specifications of the products：**

Description	Specifications
Model No.	OS-3D Otamic LE
Rated Voltage	110-120V~
Rated Frequency	60Hz
Rated Power Consumption	150W
Timer	5/10/15/20/30 minutes
Rated Time	15 minutes
Dimensions(L x W x H)	Upright: 62" x 29.5" x 46.5"
	Reclined: 67.7" x 29.5" x 34"
Weight	Gross Weight: Approx. 250.8 lbs
	Net Weight: Approx. 220 lbs
Length of Wire	Controller wire: 32"
	Power supply wire: 70.9″
Usage Condition	Environment temperature: 32°F~95°F
	Contrasting humidity: 20-80RH
Storage Condition	Storage temperature: 32°F~95°F
	Storage humidity: 20-80RH
Safety Feature	Equipped with overheated and power
Maximum body weight of user	264 lbs

3300C massage chair service guide

3、Appearance of the whole machine:

一、Product introduction
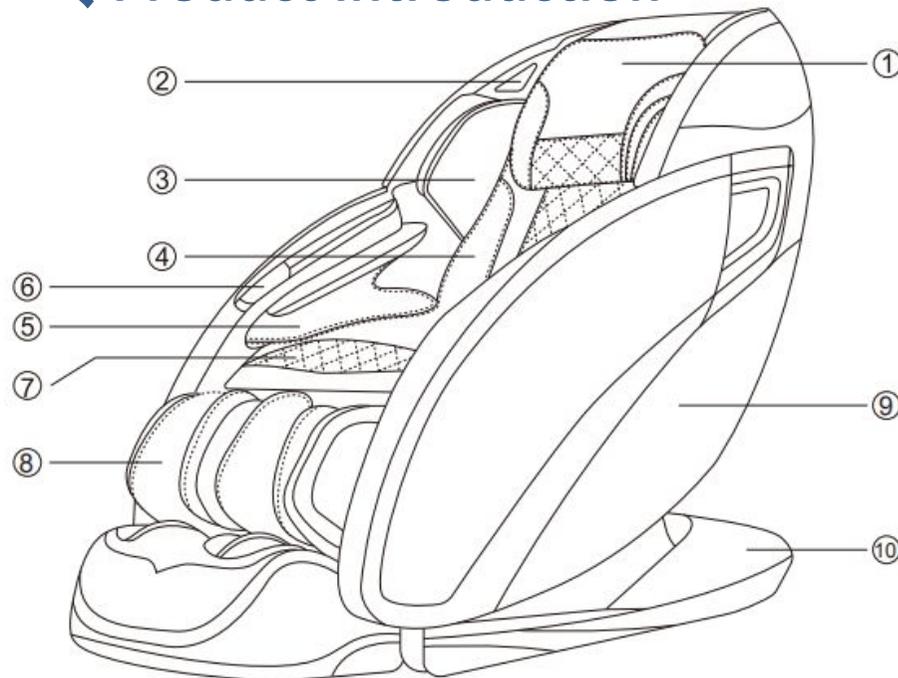
① Pillow Pad   ② Bluetooth Speaker

③ Shoulder side massage section   ④ Backrest Pad

⑤ Hand and arm massage section   ⑥ Armrest Controller

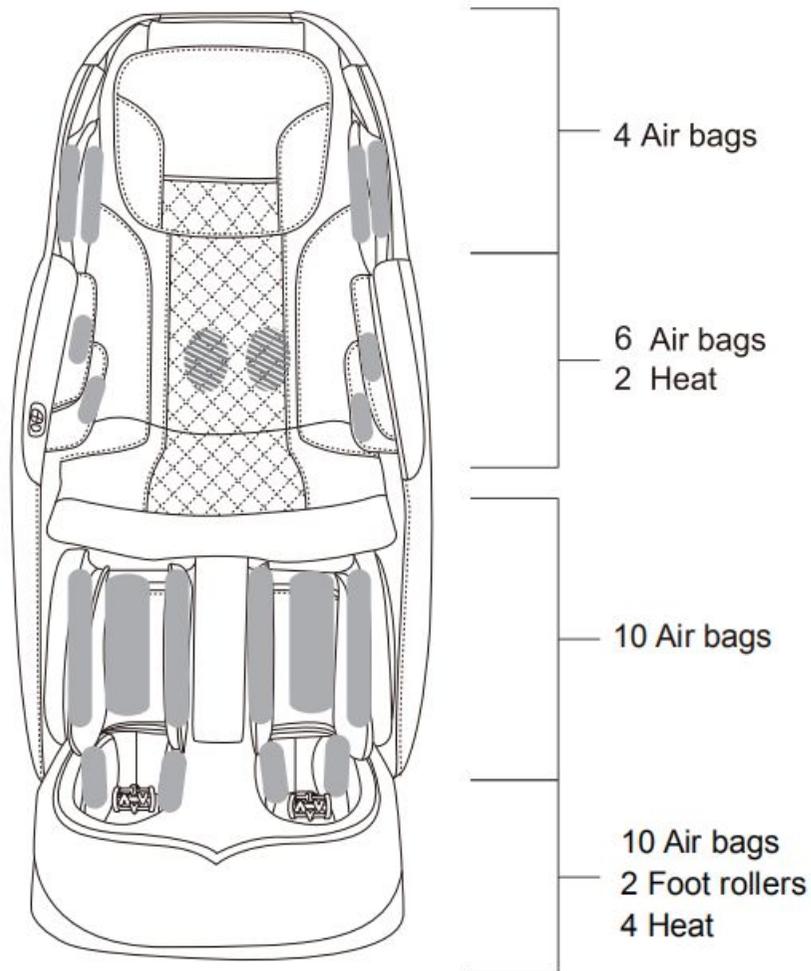⑦ Seat   ⑧ Legrest

⑨ Side Panel   ⑩ Power Box

4、air massage area

一、Product introduction

4 Air bags

6 Air bags
2 Heat

10 Air bags

10 Air bags
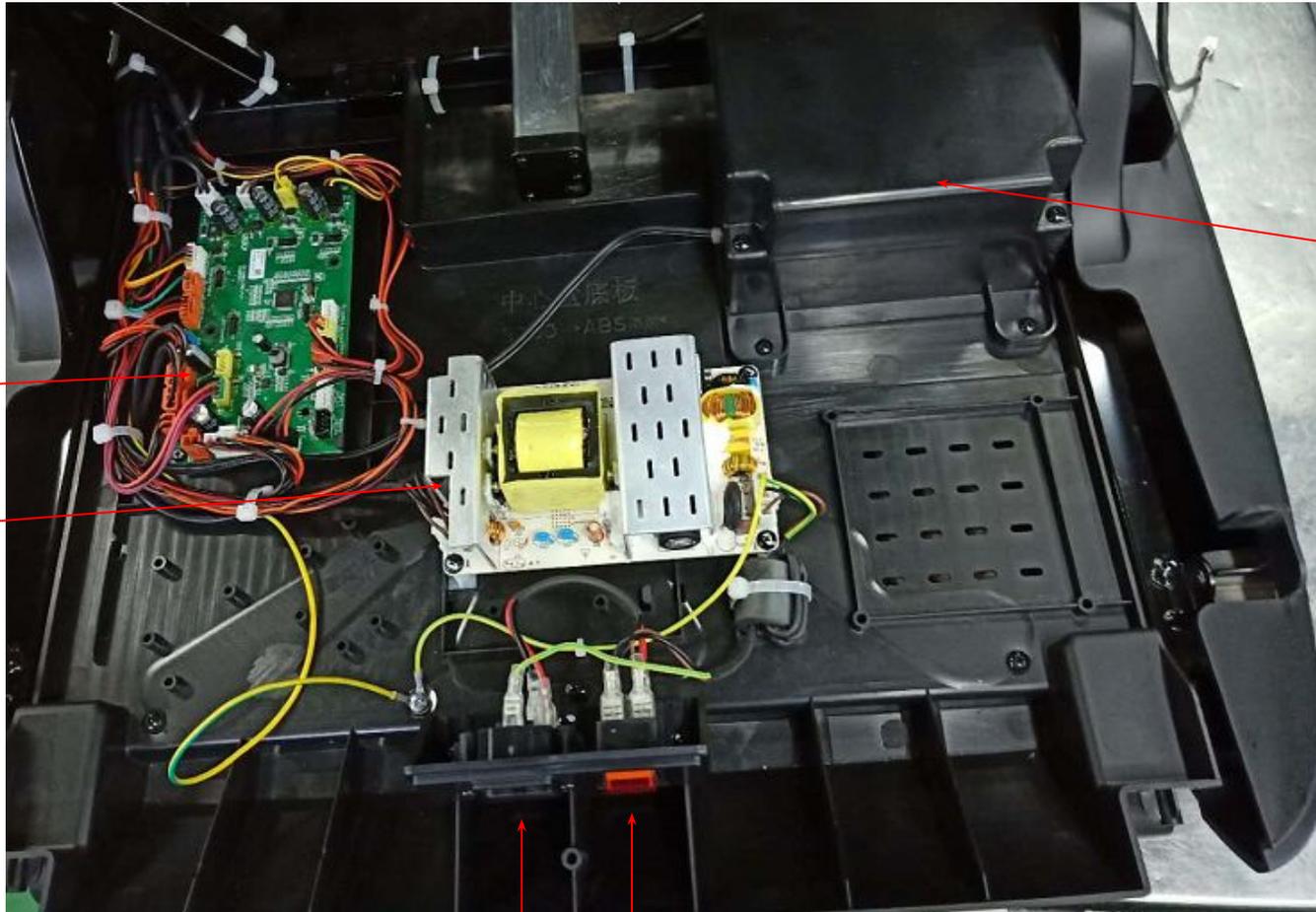2 Foot rollers
4 Heat

Air bag　Heat　Foot Roller

二、Circuit working principle

1、Component description for main PCB box

air pump

main PCB

power PCB

Use a slotted screwdriver to tilt out fuse box, spare fuse
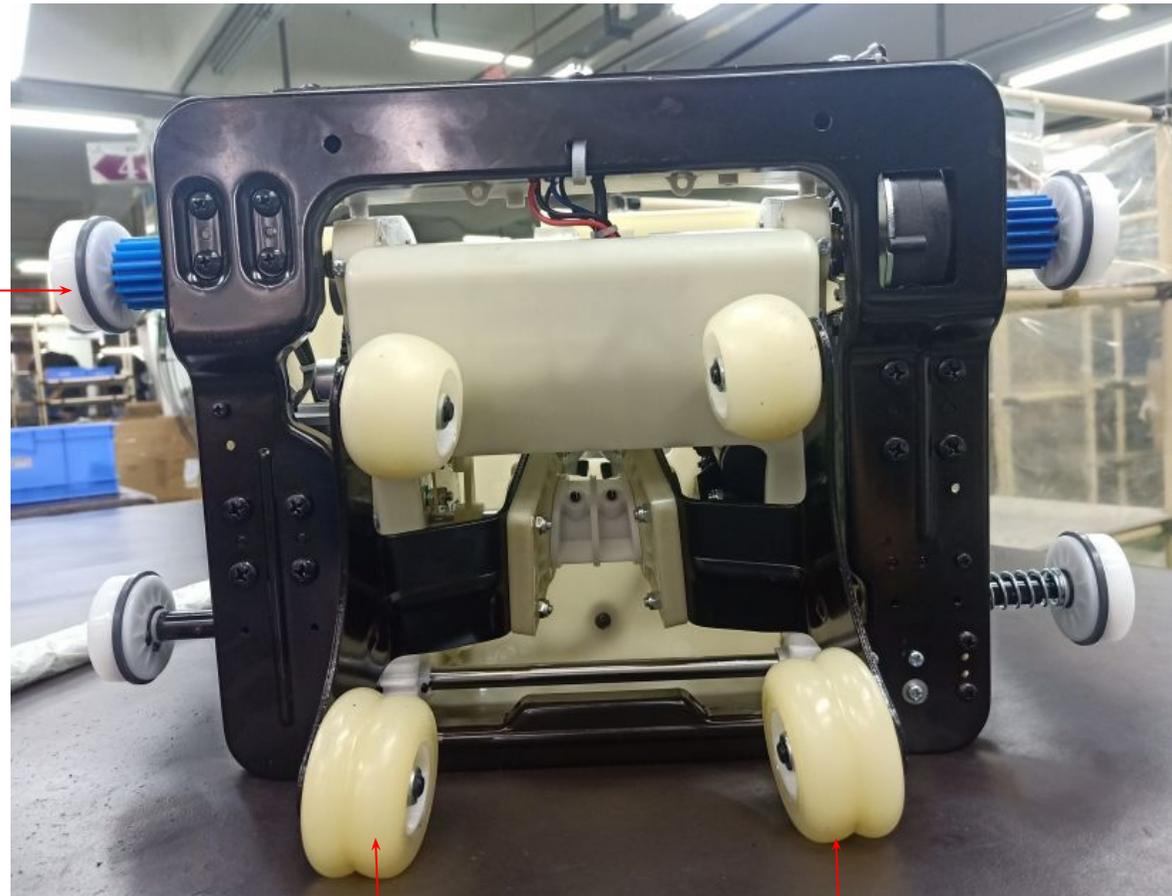
power switch

2、3D mechanism graphic

rolling wheel

massagearm
（right）

massagearm
（left）

二、Circuit working principle

3、main PCB

J19 white：air pump

J17 yellow：leg counting

J18 black：actuator signal

J1 black：backrest actuator

J4 yellow：leg rest actuator

J7 green：backret pad heater

J18 white：air pump

J3white：air valve

J14 whie：leg rest PCB

J13wite：3D PCB

J10 red：Voice PCB

J12 red：Bluetooth

J2 red：air valve

J6 red：hood LED

J5 blue：side panel LED

J9.J11 red：power PCB

3300C massage chair service guide
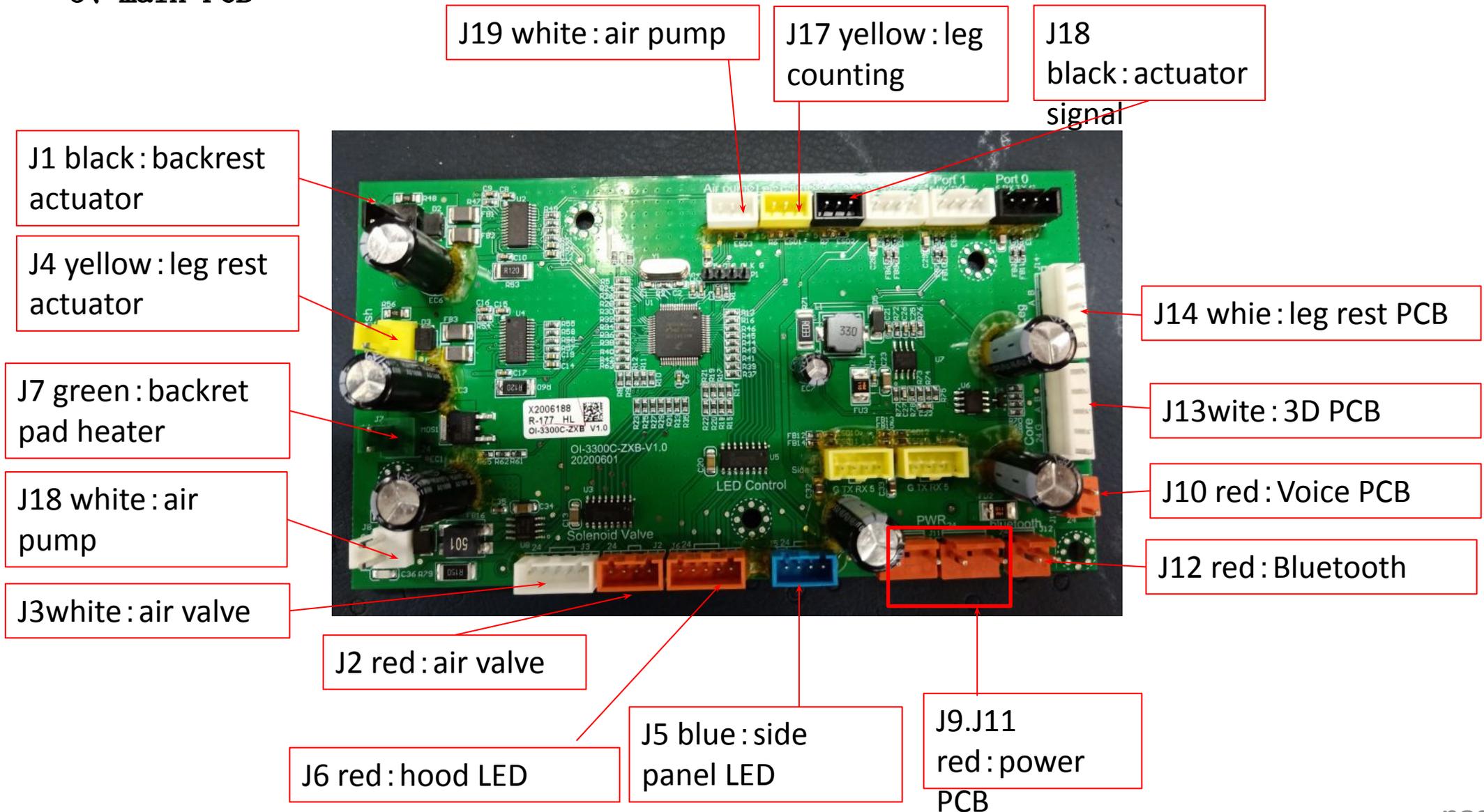
二、**Circuit working principle**

4、3D PCB

J8
green：tapping
motor

J7
yellow：kneadin
g motor

J5 blue：rolling
motor

J11 blue：rolling
counting sensor

J3 black：3D motor

J1 white：Width
detection board

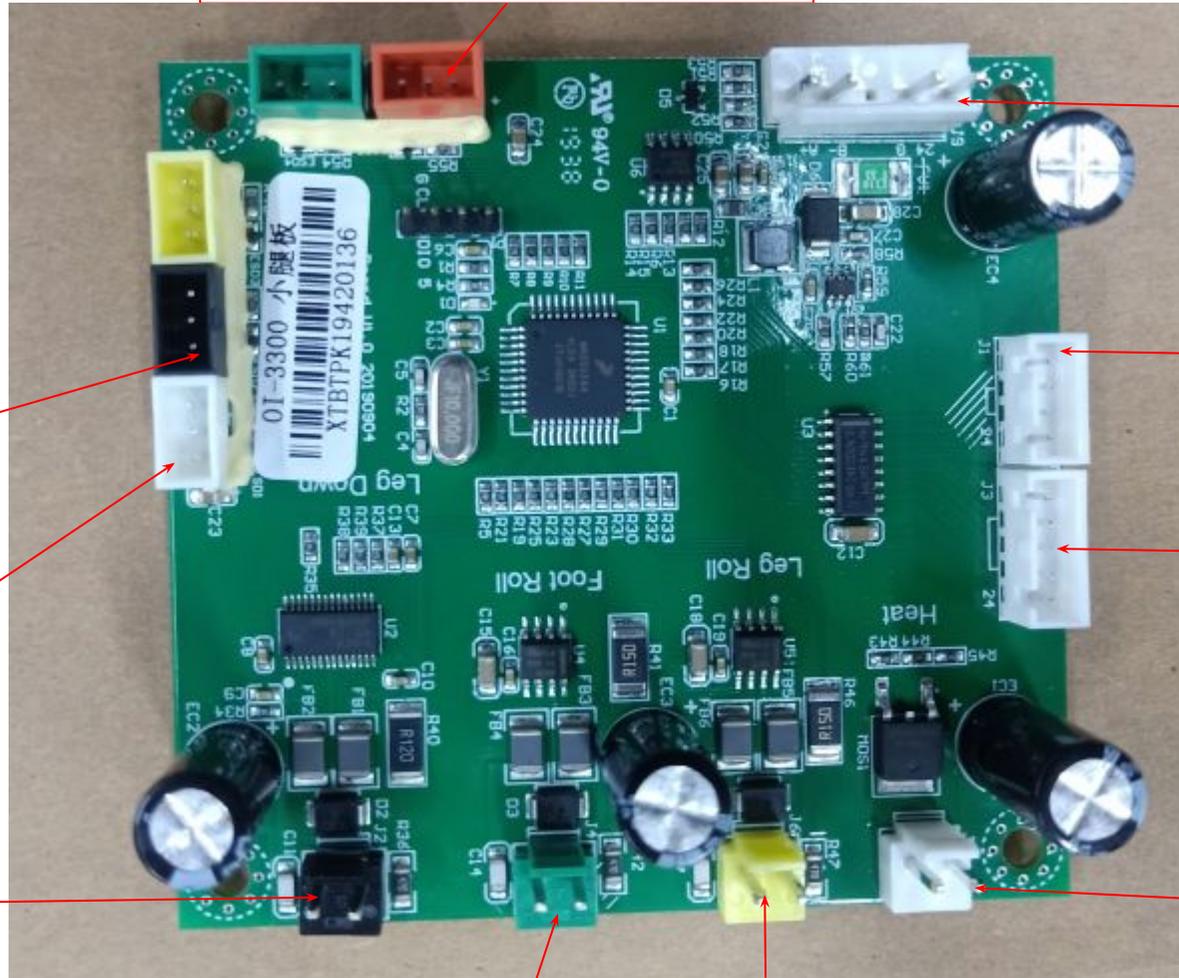J2 red：up&down
sensor

J10white:main PCB

3300C massage chair service guide
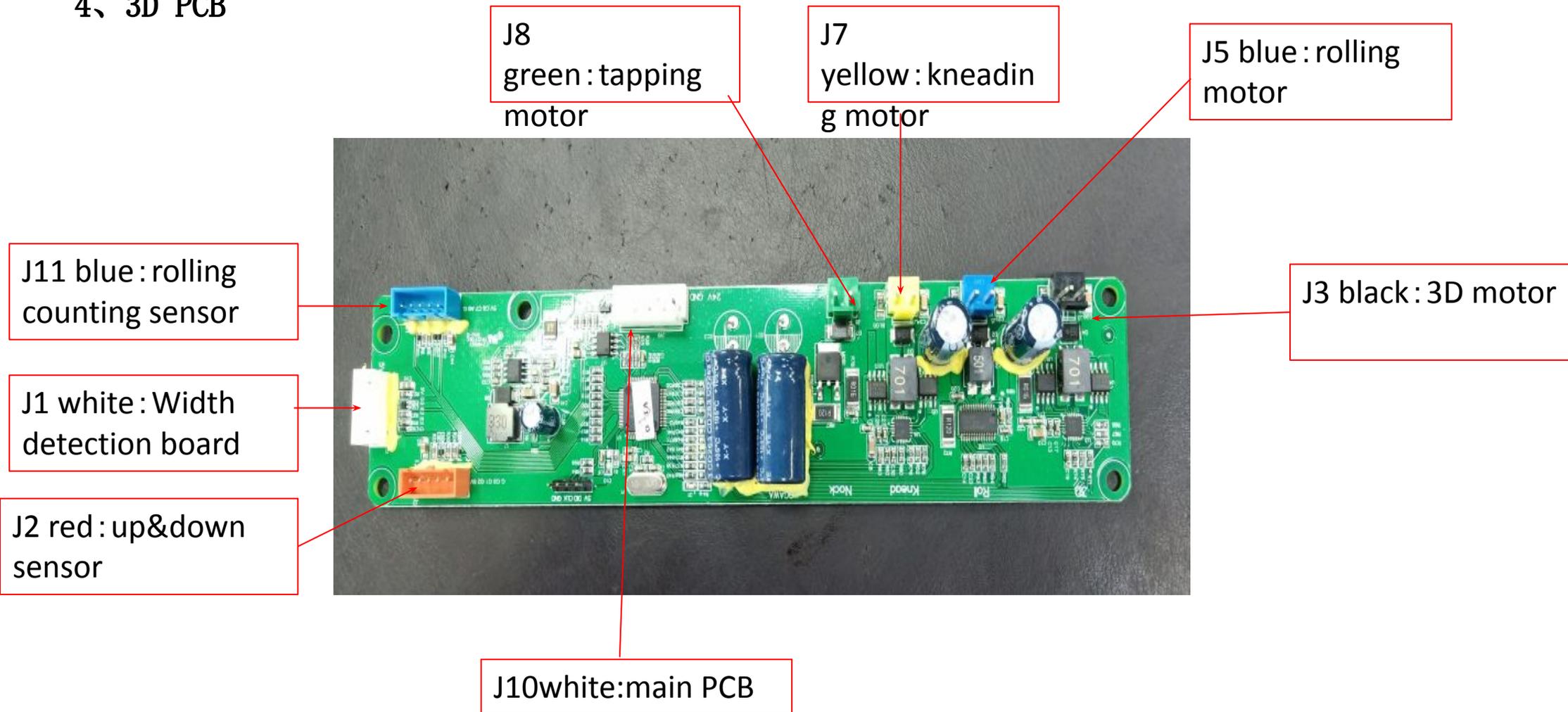
二、Circuit working principle

5、leg rest PCB

J12 red：counting sensors of stretch out and draw back

J12 white：main PCB

J7 black：countin senor of lower leg rest actuator

J1 white：air valves

J13 white：foot touch sensor

J3 white：air valves

J2 black：lower leg rest motor

J5 white：heater

J4 green：foot massag

J6 yellow：calf massage

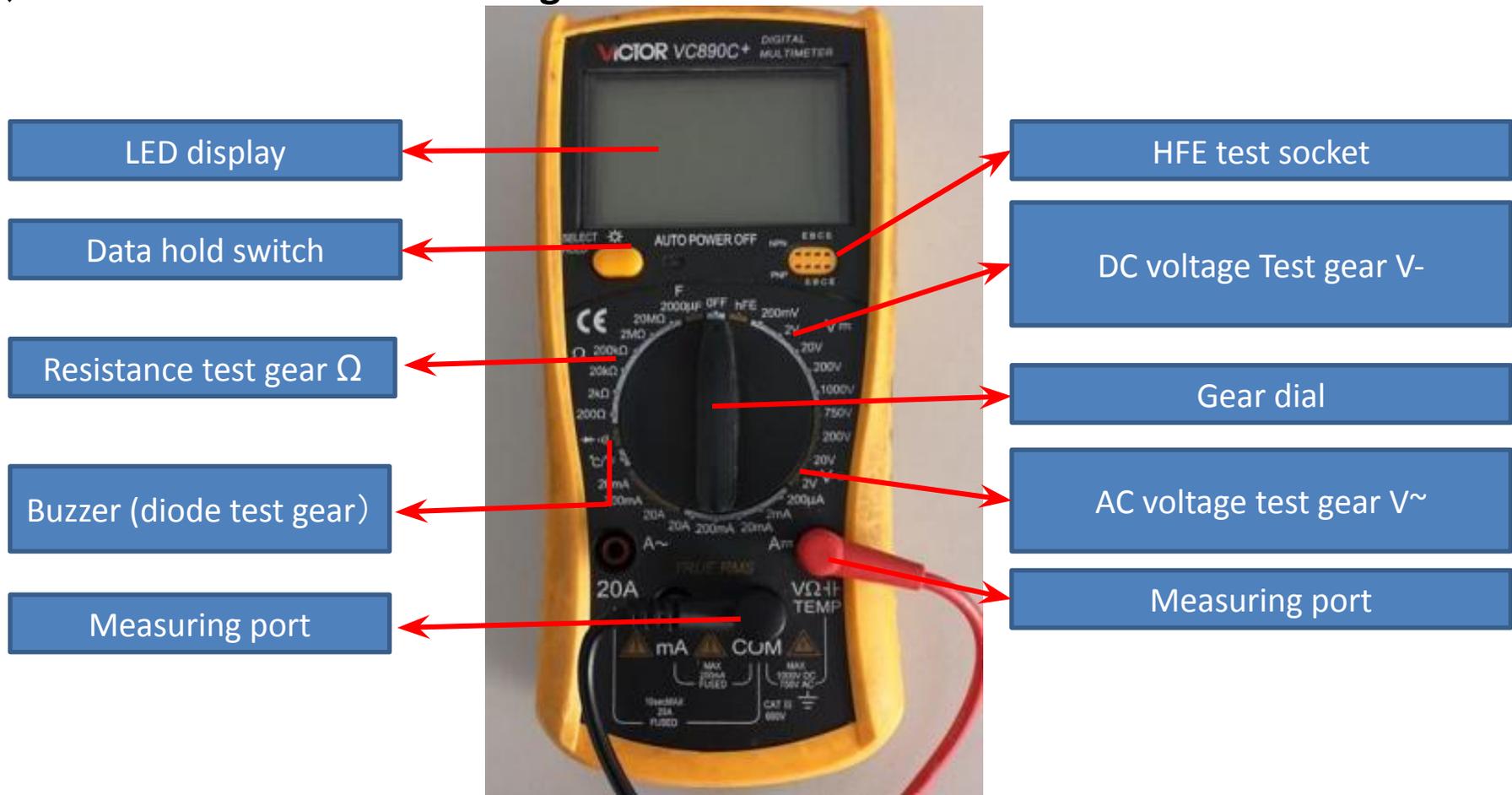**3300C massage chair service guide**

三、Massage chair removal instructions

1.tools

Screwdriver size 1,2,3	Diagonal cutter and long nose	Soldering Kit	Spanner tools Kit	Test pen	Allen Key set
Ratchet Tools Set	24V/DC power	Electric Driver	electrical adhesive tape	Cable Ties	WIRE ONECTORS

三、Massage chair removal instructions

2、Use and measurement of digital multimeter

LED display	HFE test socket
Data hold switch	DC voltage Test gear V-
Resistance test gear Ω	Gear dial
Buzzer (diode test gear）	AC voltage test gear V~
Measuring port	Measuring port

三、Massage chair removal instructions

2.1、Function of the test gears

Data hold switch : Memorize the measured data for comparison。

Buzzer (diode test gear） : Measure the quality of diode, the on-off and alarm function of circuit

Resistance gear test gear : Measure the quality and value of resistance

DC voltage Test gear V- : Measure DC voltage

AC voltage test gear V~ : Measure AC voltage

VΩ / COM : VΩ Red pen port (+ pole) during test, black pen port (- pole) during com test

Note: when carrying out resistance or voltage test, it is necessary to select a suitable range. If the range is too small to be measured, and the range is too large, the test error range is large; if the voltage is not known, it is necessary to select a range measurement with a large windlass.

三、Massage chair removal instructions

2.2、On / off measurement of lines

open circuit
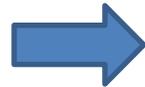
As shown in the left picture, first set the multimeter to the buzzer and power it
When the switch is on, the multimeter will display "0."; then contact the two probes with the ends of the red wire
At this time, the multimeter still shows "1." there is no change, which means there is an open circuit in the middle of the wire, that is, the line is open.

close circuit

As shown in the picture on the left, if the multimeter shows the number of ". 002" or ". 00n" and gives an alarm, it means that the wire is connected.

2.3、Measurement of AC voltage

As shown in the picture above: measure the household plug-in board power supply (220V), select the range of 750, and the test result shows "224", indicating that the actual voltage of this group of sockets is 224v at the moment (the switch is pressed down, so there is power, and the light is on).

As shown in the above picture: measure the power supply (220V) of our household plug-in board, select the range of 750, and the test result is displayed as "001", indicating that the actual voltage of this group of sockets is 0V at the moment (the switch is not pressed down, so there is no power, and the light is not on).

2.4、DC voltage measurement

As shown in the picture above: the test result is "1.58", indicating that the voltage at both ends of the battery is 1.58v, and the red lead is connected to the "+" pole of the battery, and the black lead is connected to the "-" pole of the electromagnetic.

As shown in the above picture: the test result is "- 1.58", indicating that the voltage at both ends of the battery is 1.58v, and the red lead is connected to the "-" pole of the battery, and the black lead is connected to the "+" pole of the electromagnetic

三、Massage chair removal instructions

3.1、disassembly of the pillow

unzip the zipper

backrest pillow

take down small pillow

small pillow

3.2、disassembly of the backrest pad

unzip the zipper

unzip the zipper

unzip the zipper

unzip the zipper both side

discontent the heater terminal

take down backrest pad

3300C massage chair service guide

3.3、disassembly of remote control

discontent the terminal

take down the remote control

3.4、disassembly of the side panel controller and the pocket

Find the location of the side panel controller slot

separate the controller

discontent 2 terminals

side panel control

take down the pocket

remote control pocket

3300C massage chair service guide

三、**Massage chair removal instructions**

3.5、disassembly of the cover of the backrest and hood

remove 4 screws

open the cover

take down the cover

open the hood cover

take down the left cover

open the other cover

take down the right cover

3300C massage chair service guide

3.6、disassembly of the inner hood

Remove 8 screws with cross screwdriver
Remove 4 screws with a hex wrench

Remove the four screws on the left side of the hood

Remove the 4 screws on the right

the inner hood had been taken down

3300C massage chair service guide

3.7、disassembly of mechanism

remove 4 screws，cut the cable tie

find out the blue terminal，let mechanism go down with 24/DC power
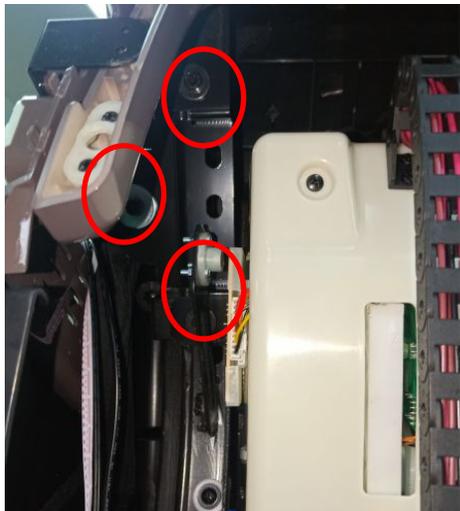
remove 6 screws，remove the iron
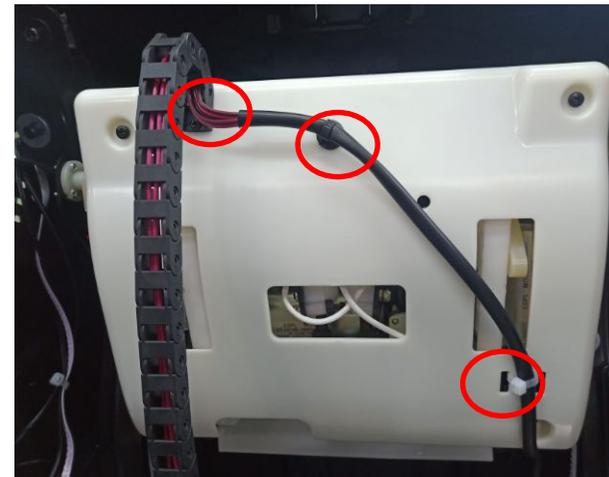
remove 2 screws，cut the cable tie

3300C massage chair service guide
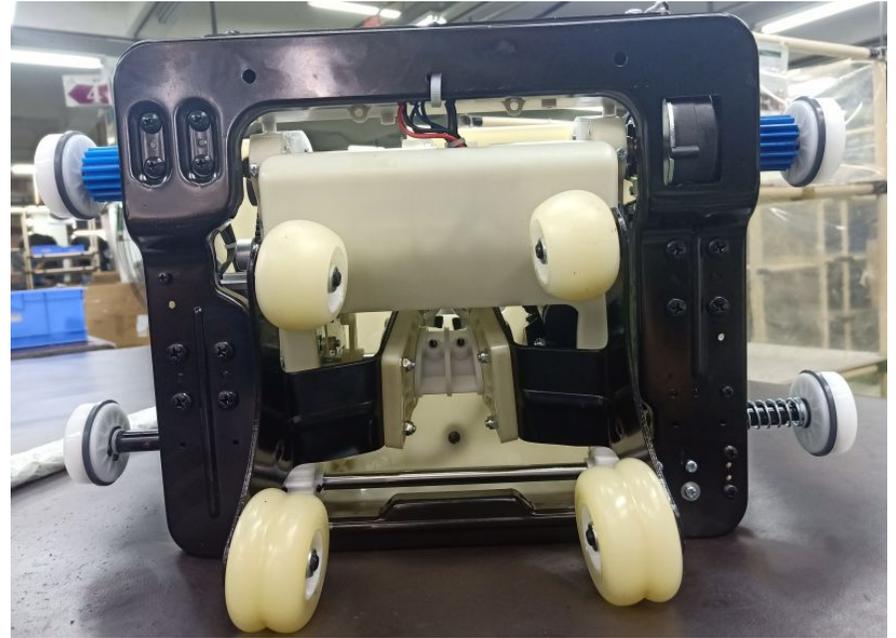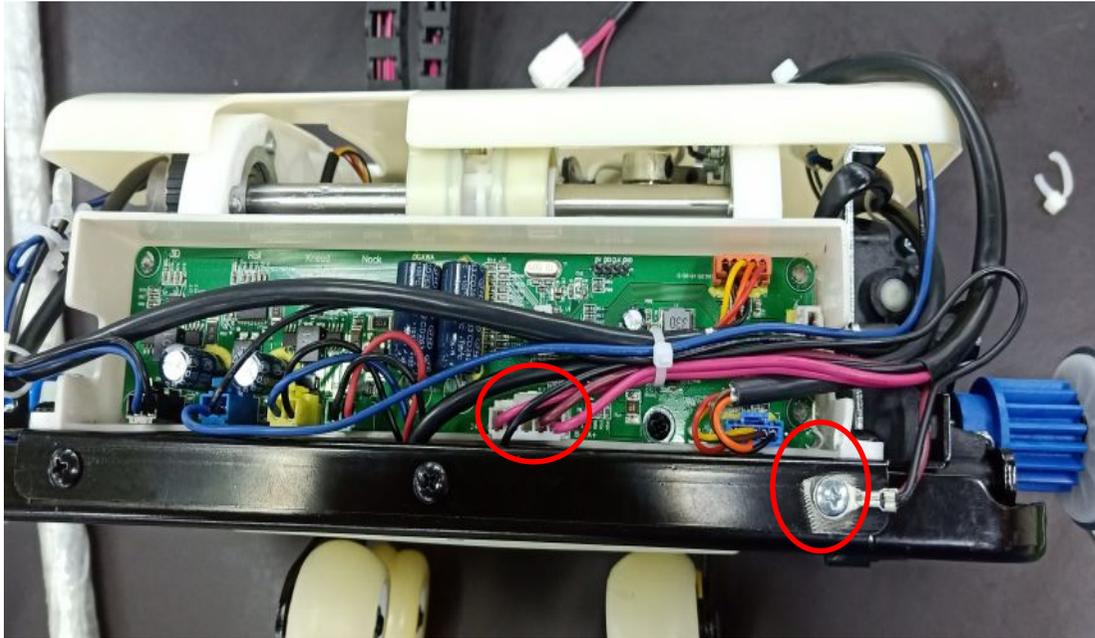
discontent the white terminal, remove
the screw, separate the backrest wire, let
mechanism go up with 24V/DC power

mechanism

3.8、disassembly of the backrest wire
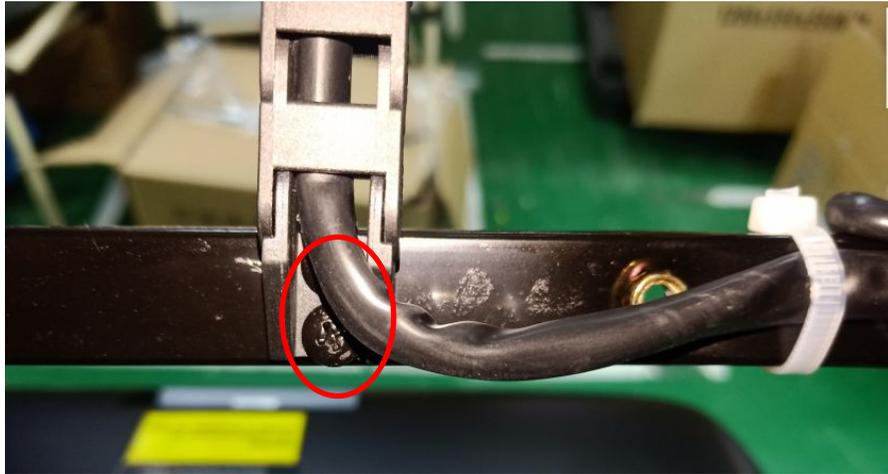
remove 2 screws
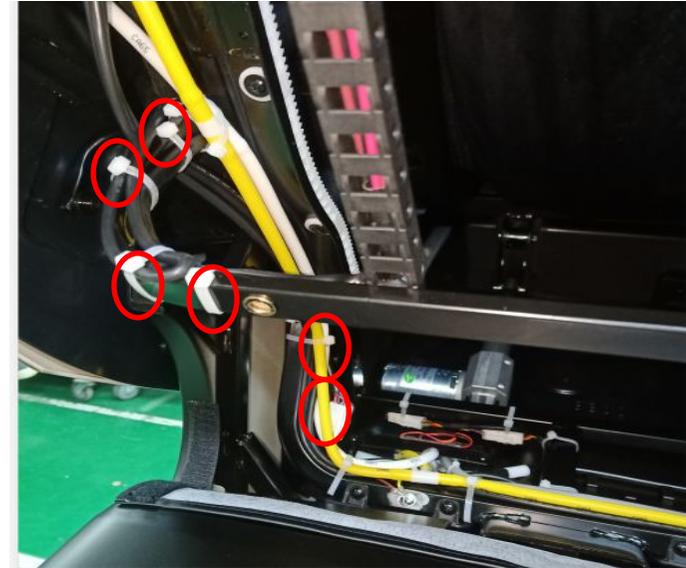
cut 5 cable tie，discontent the terminals

backrest wire

3300C massage chair service guide
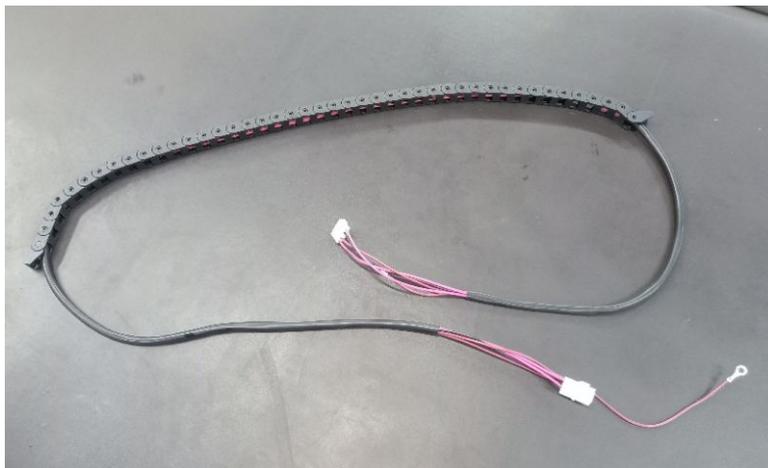
3.9、disassembly of the side panel

remove 4 screws of the backrest

open the rear cover

open the cover

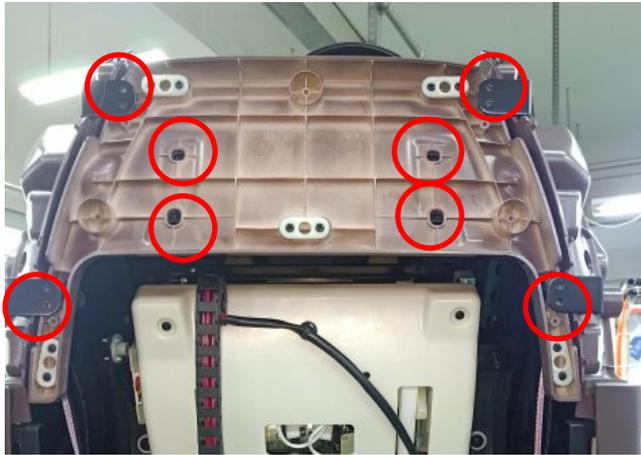left cover

open the cover

right cover

3300C massage chair service guide

remove 12 screws

remove 4 screws left side

remove 4 screws right side

take down the inner hood

3300C massage chair service guide
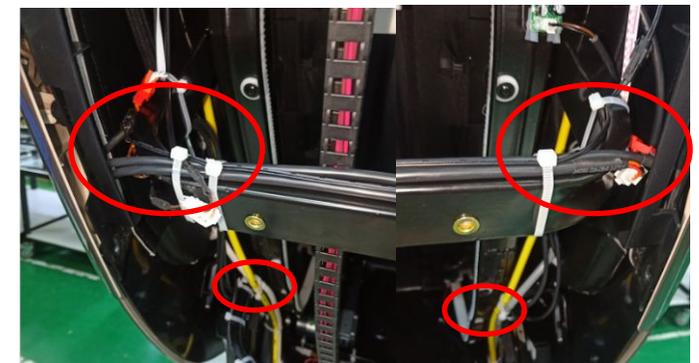
remove 2 screws

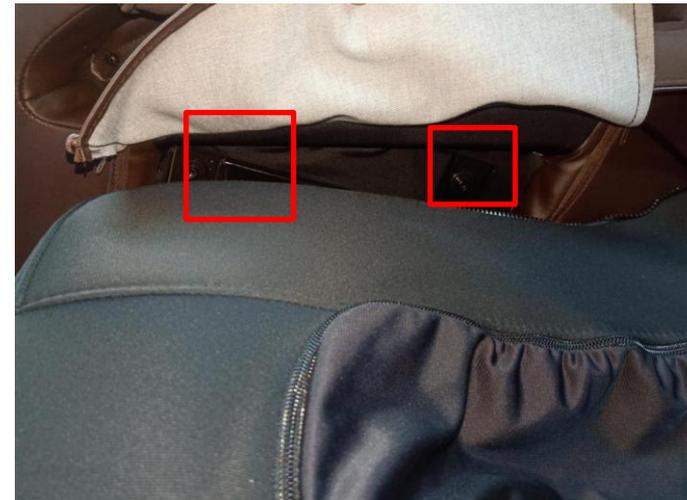cut cable, disconnect the terminals, discontent the air hose
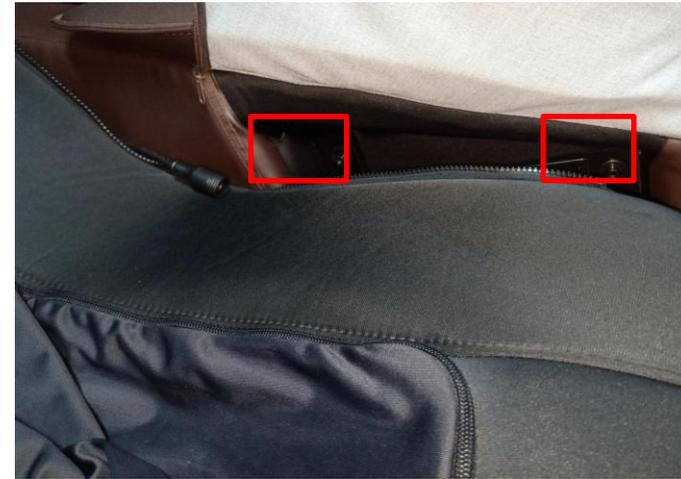
unzip the zipper

remove 2 screws fixing the side panel

unzi the zipper

remove 2 screws

3300C massage chair service guide

unzip the zipper

remove 2 screws of
the right shoulder

unzip the zipper

remove 2 screws of
the left shoulder

lift up the side
panel, move the
side panel backward

3300C massage chair service guide

3.10、disassembly of the inner right side panel

remove 15 screws separate the right side panel

unzip the zipper

remove 2 screws

discontent the air hose

3300C massage chair service guide

unzip the zipper

remove 4 screws fixing the air bag

discontent the air hose

air bag of hand had been taken down

3300C massage chair service guide

Disconnect the right horn cable

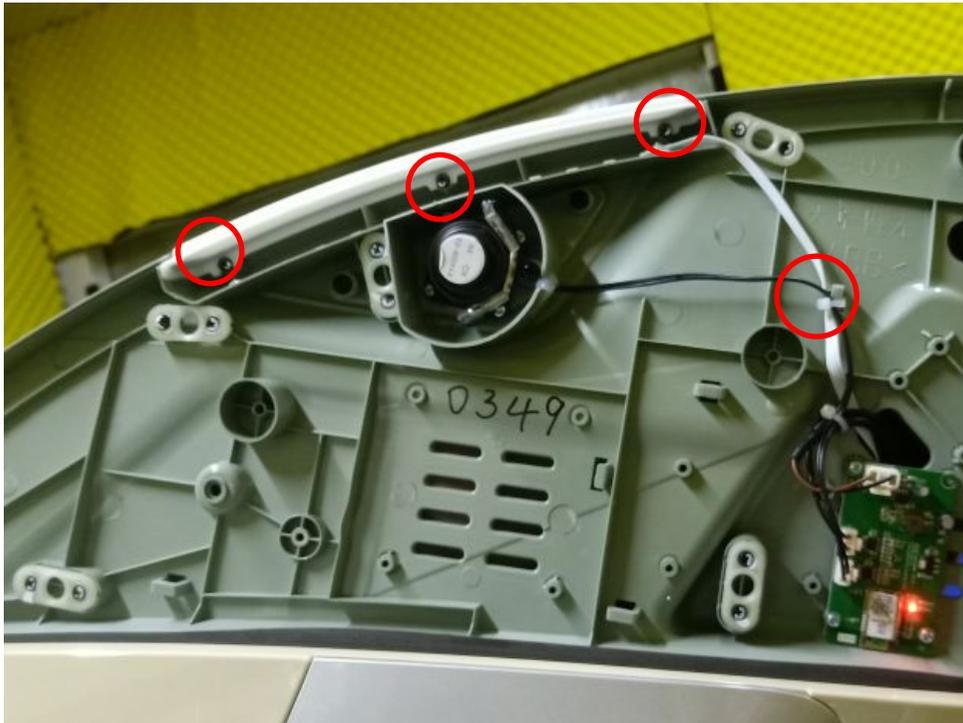Remove four screws and replace the horn

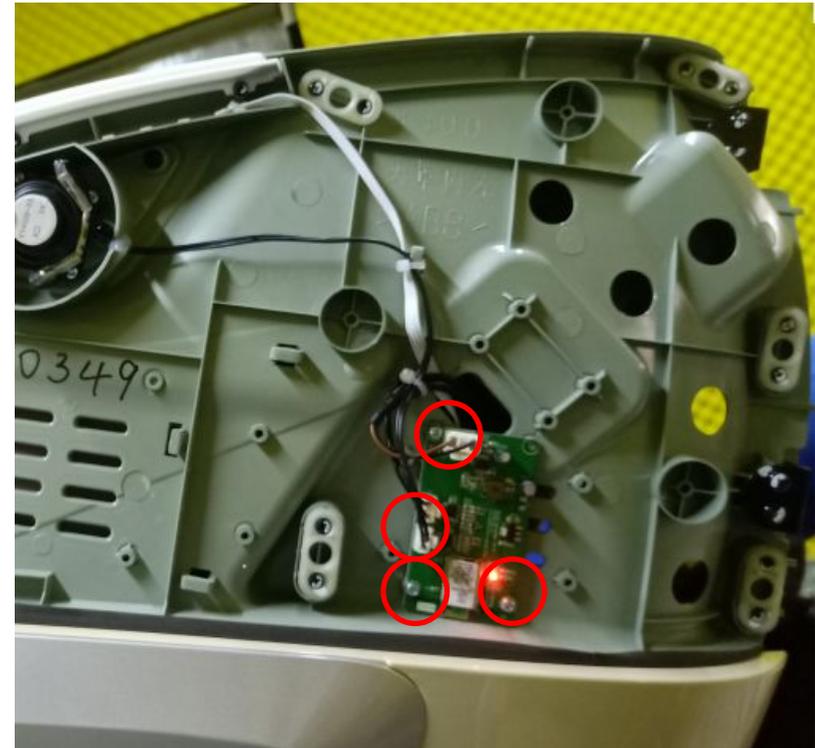cut the cable tie, remove 3 screws

Disconnect the left horn cable

remove 4 screws

3300C massage chair service guide

cut the cable tie，remove 3 screws and take down left LED

discontent 3 terminals，remov 3 screws，take down the Bluetooth PCB
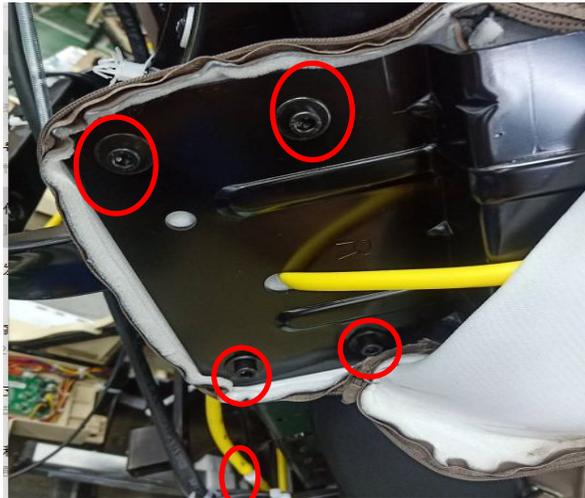
3.11、disassembly of the shoulder unit

unzip the zipper of right shoulder

discontent the air hose, remove 4 screws

unzip the zipper of left shoulder

3300C massage chair service guide

discontent the air hose, remove 4 screws

3.12、disassembly of the legrest

unzip the zipper

remove 2 bolt

remove the screw

discontent the terminal
and air hose

remove the legrest

legrest

3300C massage chair service guide

3.13、disassembly of inne legrest

1.disassembly of the air bag for upper legrest

unzip the zipper

remove the screws
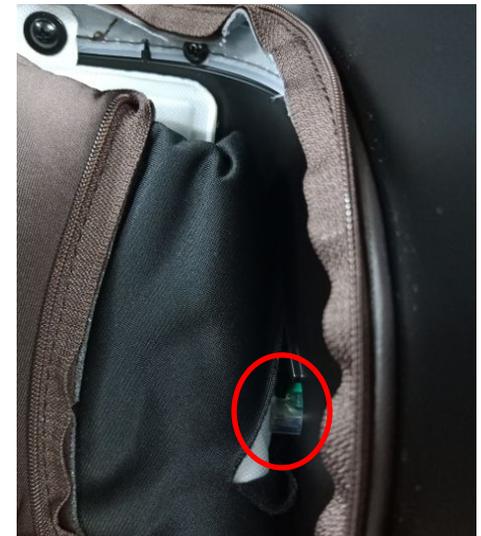

discontent the air hose

remove 2 screws

discontent the air hose

discontent the air hose

3300C massage chair service guide

2.disassembly of the legrest PCB

remove 3 screws fixing the rear cover

remove 3 screws fixing the box

disconnect all the terminals of the PCB

remove 4 screws

leg rest PCB

3300C massage chair service guide

3.disassembly of the foot massage

remove 3 screws fixing the
rear cover and take it down

remove 5 screws and
take down the cover

remove 4 screws
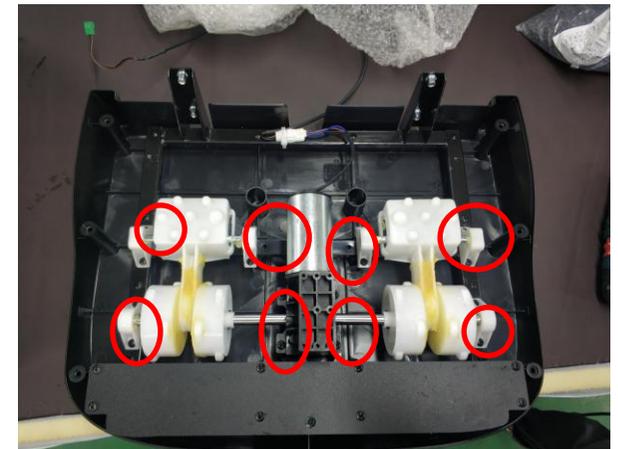
unzip the zipper

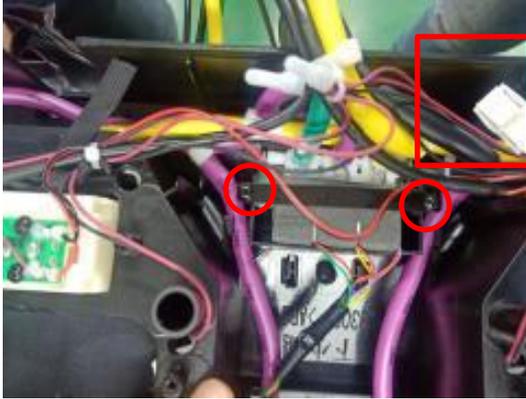remove 7 screws, remove the
cover

remove 16 screws separate
the foot massage

3300C massage chair service guide

三、**Massage chair removal instructions**

3.disassembly of air valve

Disconnect the terminaland
remove 2 screws

disconnect 3 air hose

the air valve of leg rest

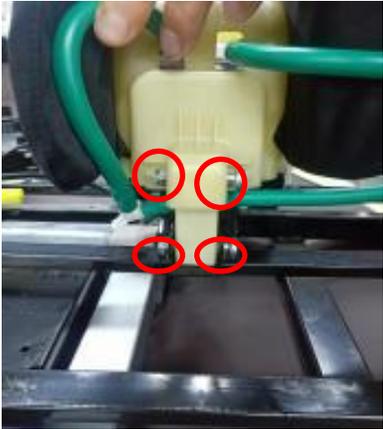4、disassembly of the kneading motor of leg rest

remove 3 screws

unzip the zipper

take down the upper part

3300C massage chair service guide
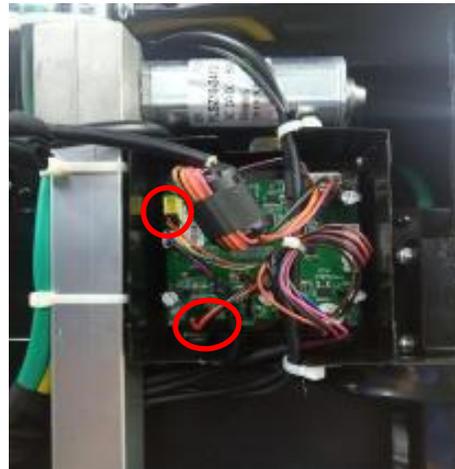
remove 4 screws

remove the other 4 screws

the kneading motor of leg rest

5.disassembly of the leg rest actuator

cut the cable tie, take down the shaft

disconnect the 2 terminals

the leg rest actuator

3300C massage chair service guide

3.14、disassembly of the backrest actuator
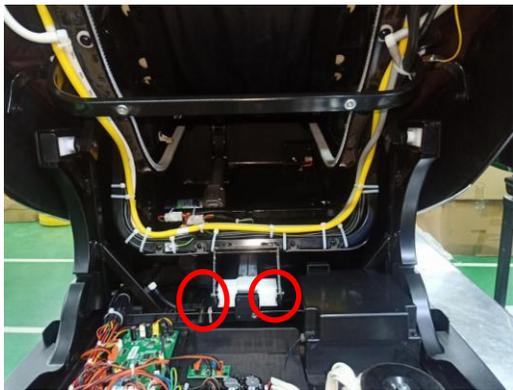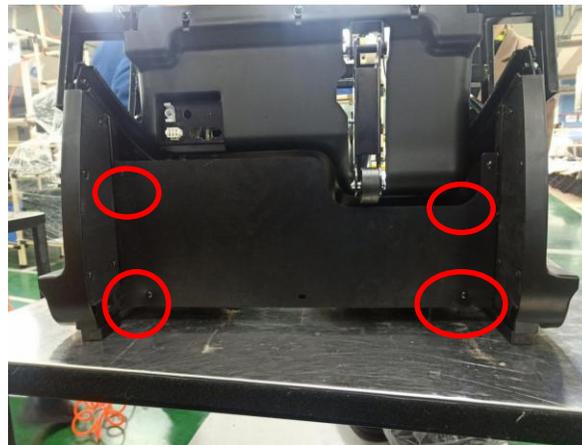

remove 4 screws

take down rear cover

remove 3 screws fixing main PCB box

remove 2 screws fixing
the actuator
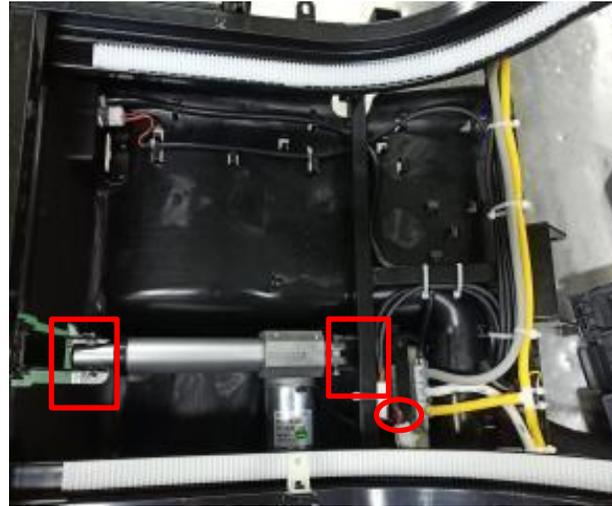

remove 4 screws on front board

disconnect the terminal and take
dwon the shaft

3300C massage chair service guide

3.15.disassembly of the leg rest actuator

1.take down backrest pad
2.unzip the zipper

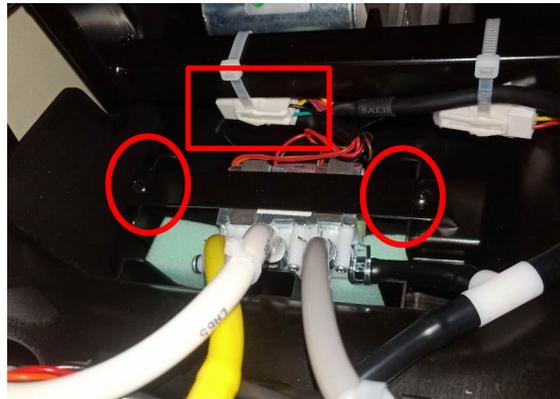cut the cable tie，disconnect the terminal，take dwon 2 shaft

leg rest actuator

3.16.disassembly of the air valve

remove 2 screws and discontent the terminal

remove the air valve
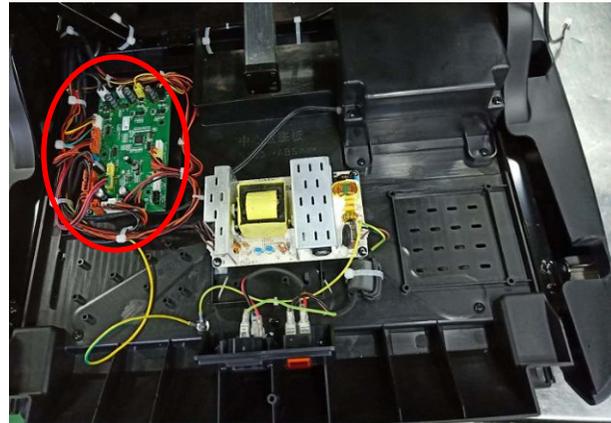
3300C massage chair service guide

三、**Massage chair removal instructions**

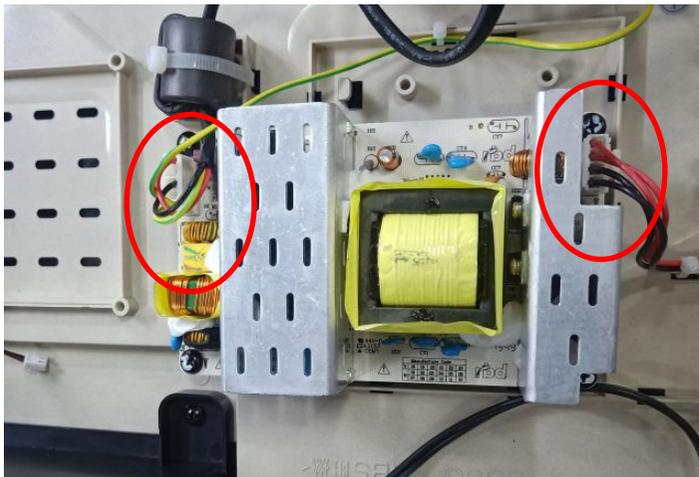3.17.disassembly of main PCB box

remove 3 screws, remove the cover

discontent all the terminals of the main PCB

remove the screw and remove main PCB

discontent 2 terminals of the power PCB
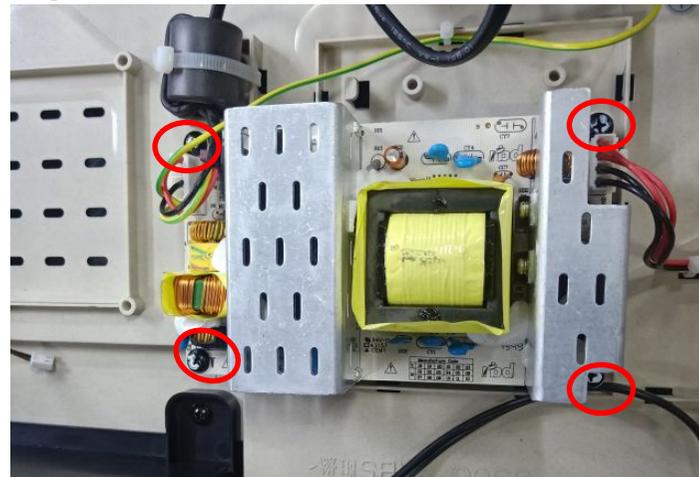
remove 4 screws and remove the power PCB

3300C massage chair service guide

三、**Massage chair removal instructions**
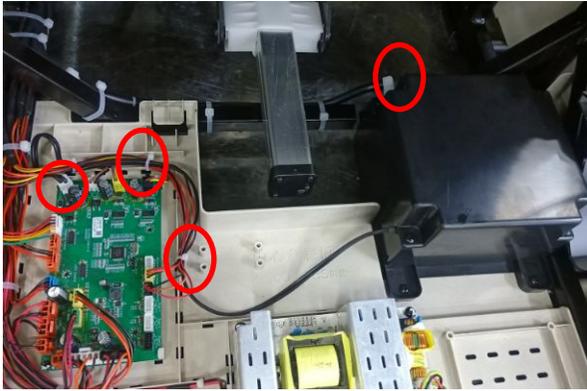
discontent the white terminal，cut 3 cable tie，discontent the air hose
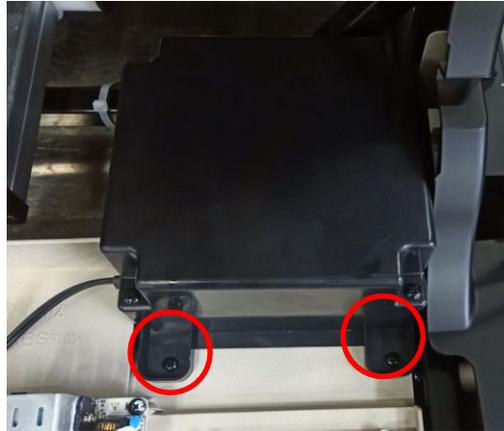
remove 2 screws，take out the air pump box

remove 4 screws

Turn it over，remove 4 screws

discontent the air hose

air pump

3300C massage chair service guide

四、**Massage chair fault judgment**

1、error code

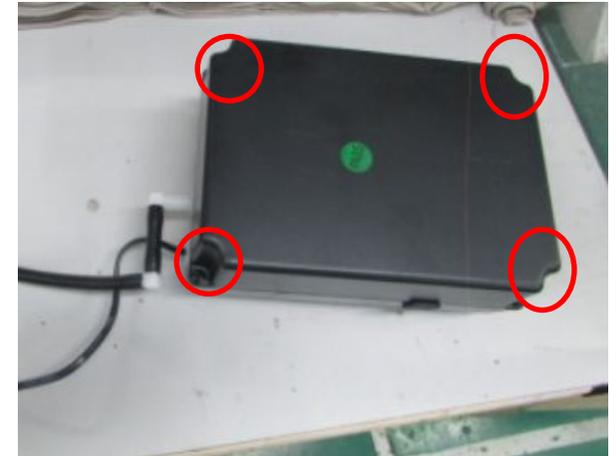| NO.	phenomenon	problem description	steps of shooting the trouble	remark
2	remote control did not connected more than 4 second	remote control wire is broken or the remote control is disconnected	reconnect the remote control or change the remote control wire.	enter auto-check model
3	backrest signal is abnormity	1.The connector of the backrest wire is not well connected 2.Backrest wire Broken	1.check the connector of backrest wire 2.change the backrest wire	enter auto-check model
4	rolling signal is abnormity	1.the up and down sensor broken 2.the backrest wire broken 3.the motor broken 4.3d PCB broken	1.replace the sensor 2.check the wire 3.check the motor 4.change 3D PCB	(1)enter auto-check model (2)Automatic shutdown in case of failure. And it is not allowed to start.
5	side panel signal is abnormity	1.The connector of the wire is not well connected 2.wire Broken	check the wire	enter auto-check model
6	leg rest tested more than 4 seconds	1.connector of leg rest wire not well 2.wire of leg rest broken	1.check the connector of leg rest wire 2.change the wire of leg rest	enter auto-check model
7	kneading signal is abnormity	1.the sensor broken 2.the backrest wire broken 3.the motor broken 4.3d PCB broken	1.replace the sensor 2.check the wire 3.check the motor 4.change 3D PCB	(1)enter auto-check model (2)Automatic shutdown in case of failure. And it is not allowed to start.

3300C massage chair service guide

四、Massage chair fault judgment

8	tapping signal is abnormity	1. tapping motor is abnormity 2. 3D PCB is abnormity 3. connecting senor of tapping motor is abnormity	1. change tapping motor 2. change 3D PCB 3. change connecting sensor of tapping motor	enter auto-check mode1
9	Telescopic signal is abnormity	1. 3D Telescopic motor is abnormity 2. 3D PCB is abnormity 3. connecting senor of 3D Telescopic motor is abnormity	1. change 3D Telescopic motor 2. change 3D PCB 3. change connecting sensor of 3D Telescopic motor	enter auto-check mode1
10	low leg rest telescopic signal is abnormity	1. counting sensor broken 2. wire broken 3. motor broken 4. 3D PCB broken	1. change sensor 2. check the wire 3. check motor 4. check 3D PCB	enter auto-check mode1
12	leg rest actuator signal is abnormity	1. counting sensor broken 2. wire broken 3. motor broken 4. actuator PCB broken	1. change sensor 2. check wire 3. check motor 4. replace main PCB	enter auto-check mode1
13	backrest actuator signal is abnormity	1. counting sensor broken 2. wire broken 3. motor broken 4. actuator PCB broken	1. change sensor 2. check wire 3. check motor 4. replace main PCB	enter auto-check mode1

14	rolling signal is abnormity	1. the up and down sensor broken 2. the backrest wire broken 3. the motor broken	1. replace the sensor 2. check the wire 3. check the motor 4. change 3D PCB	(1)enter auto-check model (2)Automatic shutdown in case of failure. And it
15	rolling signal is abnormity (UP and DOWN sensor effective at the same time)	1. the up and down sensor broken 2. the backrest wire broken 3. the motor broken 4. 3d PCB broken	1. replace the sensor 2. check the wire 3. check the motor 4. change 3D PCB	(1)enter auto-check model (2)Automatic shutdown in case of failure. And it is not allowed to start.
16	kneading signal is abnormity	1. kneading motor is abnormity 2. 3D PCB is abnormity 3. connecting senor is abnormity of kneading motor	1. change kneading motor 2. change 3D PCB 3. change connecting sensor of kneading motor	enter auto-check model
18	Telescopic signal is abnormity (UP and DOWN sensor effective at the same time)	1. 3D Telescopic motor is abnormity 2. 3D PCB is abnormity 3. connecting senor of 3D Telescopic motor is abnormity	1. change 3D Telescopic motor 2. change 3D PCB 3. change connecting sensor of 3D Telescopic motor	enter auto-check model

19	kneading motor broken	kneading motor broken	change kneading motor	(1)enter auto-check mode1 (2)Automatic shutdown in case of failure. And it is not allowed to start.
20	rolling motor broken	rolling motor broken	change rolling motor	(1)enter auto-check mode1 (2)Automatic shutdown in case of failure. And it is not allowed to start.
21	3D motor broken	3D motor broken	change 3D motor broken	(1)enter auto-check mode1 (2)Automatic
22	tapping motor broken	tapping motor broken	change tapping motor	(1)enter auto-check mode1 (2)Automatic
65	remote control tested any key pressed get stuck	1.one of the KEY has been blocked.	1.check the key of the remote control	turn on the chair
66	remote control did not connected	1.remote control wire is broken or the remote control is disconnected	1.reconnecte the remote control or change the remote control wire.	turn on the chair
67	Communication exception	There is communication but the data is abnormal, and the communication interference is detected		