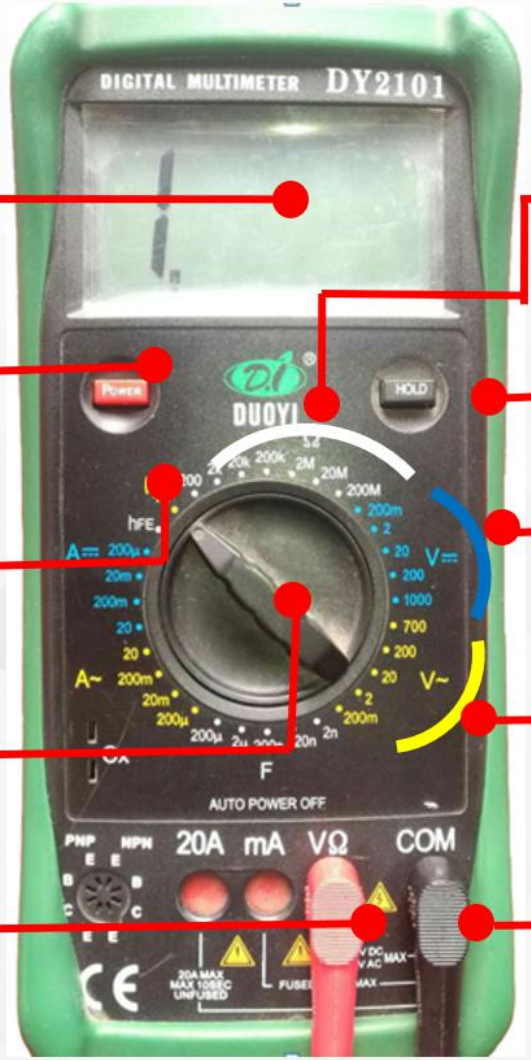
Elite Massage Chair
After service manual

Common Tools and Parameters Introduction

1. Repair Tool Introduction

accessories	
8 Hexagon socket set	1.5/2.0/2.5/3.0/3.5/4.5/5/6mm
1 Seven in one wire stripping pliers	7/175mm
1 alloy wire cutters	6/150mm
1 adjustable spanner	8/200mm
1Mirror polished claw hammer	0.25kg
1 steel tap	3m*16mm
1 Double color handle screw batch	3*75-/3*75+/6*100-/6*100+
1 Magnetic sleeve joint rod with double color handle	
10 Screwdriver head	5-*6-/ph1/ph2/ph3/pz1/pz2/h4/h5/h6
6 Precision watch screwdriver	Cross #0/#1 line 1.4/2/2.4/3mm
1 High-quality external heat type long life electric luo iron	30w
1 solder sucker	
1 multimeter	830B
1 tin wire	
1 alloy nose pliers	6/150mm

2、Multimeter Application and Measurement



LED display

Switch

Peak sound gear (diode test gear)

Gear dial

Measuring port (red pen)

test Ω (white range)

test Ω (white range)

DC voltage test V—(blue range)

AC test V~ (yellow range)

Measuring port (black pen

2.1 Function and Effect of Gears Test

Power switch: The on/off of the digital multimeter power supply.

Data hold switch: make a record of the tested data, for comparison.

Beep: measuring diode, the circuits, the alarm function.

Resistance: measure the resistance of the resistor.

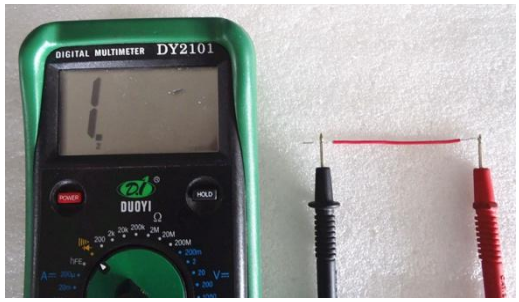
DC voltage: measure DC voltage.

AC voltage: measure AC voltage.

VΩ / COM: Red end (+ pole) for VΩ test, black end (- pole) for COM test.

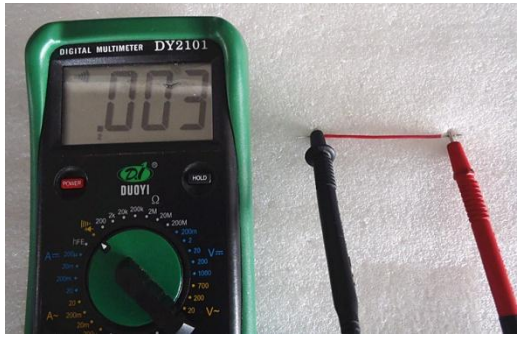
Note: Please choose the appropriate measuring range once you need to test resistance or voltage.
If the range is too small, it can't be measured. If the range is too big, the error range will be big.
If you don't know the voltage level you want to test, advise you choose a larger measuring range.

2.2. Measurement of Line On/Off



Open Circuit

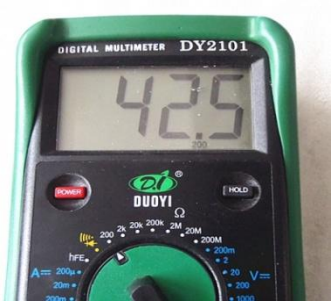
As shown on the left, first turn the multimeter to the beep and turn on its power switch. At this time, the multimeter displays “1.”; then the two gauges are distributed to the metal ends of the red wires in the figure. The multimeter still shows "1." There is no change, indicating that there is an open circuit in the middle of the wire, that is, the line is blocked.



Conduction

As shown on the left, the same method as the above test, such as the multimeter displays ".003" or ".00N" number and sounds an alarm, indicating that the wire is conductive.

2.3、Measurement of Motor

Motor measurement	 		As shown in the figure on the left, it shows “1”, indicating that the internal coil of the motor has been open.
			As shown on the left, the result is “42.5” Ω. In the normal resistance range, the motor is good.

——Other motor coil resistance reference

Air Pump DC24V : 5-8Ω

Valve DC24V ： 157Ω

Motor DC24V : 5-10Ω

Linear Actuator DC24V : 10Ω

2.4、Measurement of AC Voltage

——As shown in the figure above: measure the home use plug-in power supply (220V), the range is selected as 700, and the test result is displayed as “225”, indicating that the actual voltage of this group of sockets is 225V at this moment (the switch is on, so there is electricity, the light is on).

——As shown in the above figure: Measure our home use plug-in power supply (220V), the range is selected as 700, and the test result is displayed as “000”, indicating that the actual voltage of this group of sockets is 0V at this moment (the switch is not on, so there is no power, the light is also not lit).

2.4、 DC Voltage Measurement

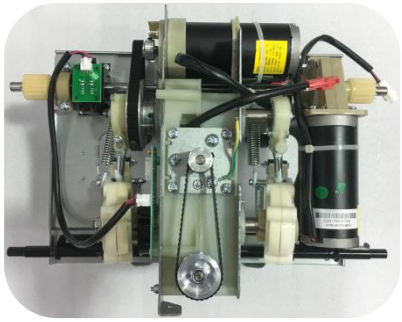
- As shown in the figure above: The test result is displayed as "1.58", indicating that the voltage at both ends of the battery is 1.58V, and the red pen is connected to the "+" pole of the battery, and the black pen is connected to the electromagnetic "-" pole.

As shown in the figure above: The test result is displayed as "-1.58", indicating that the voltage at both ends of the battery is 1.58V, and the red pen is connected to the "-" pole of the battery, and the black pen is connected to the electromagnetic "+". pole.

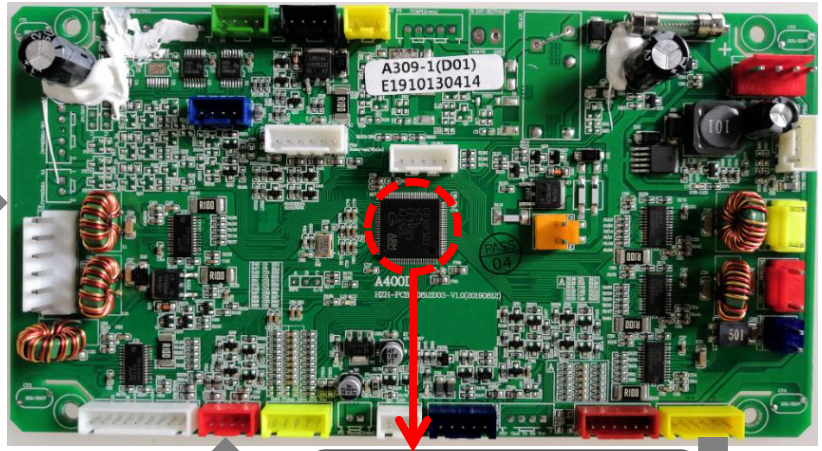
Working Principles of Massage Chair

Intelligent Massage ！ ！

Linear Actuator



Massage Hand



Valve

CPU chip

Manual Controller

Signal transmitting

Power Switch

Air Pump

Elite Massage Chair After-sales Maintenance—Product Inner Structure Diagram

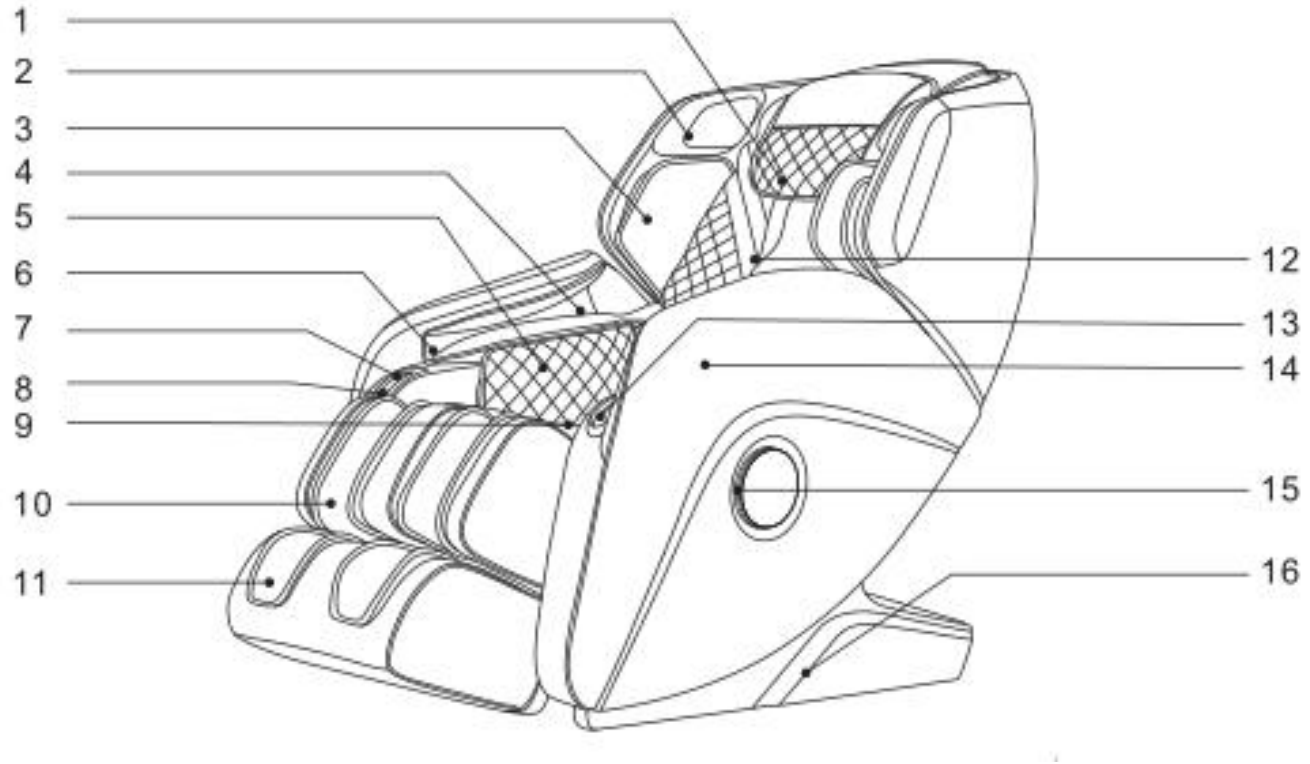
1、Part Name

2、Inner Structure Diagram

3、Distribution diagram of driver board Plug-ins

Product Structure Introduction

4.1、Part name

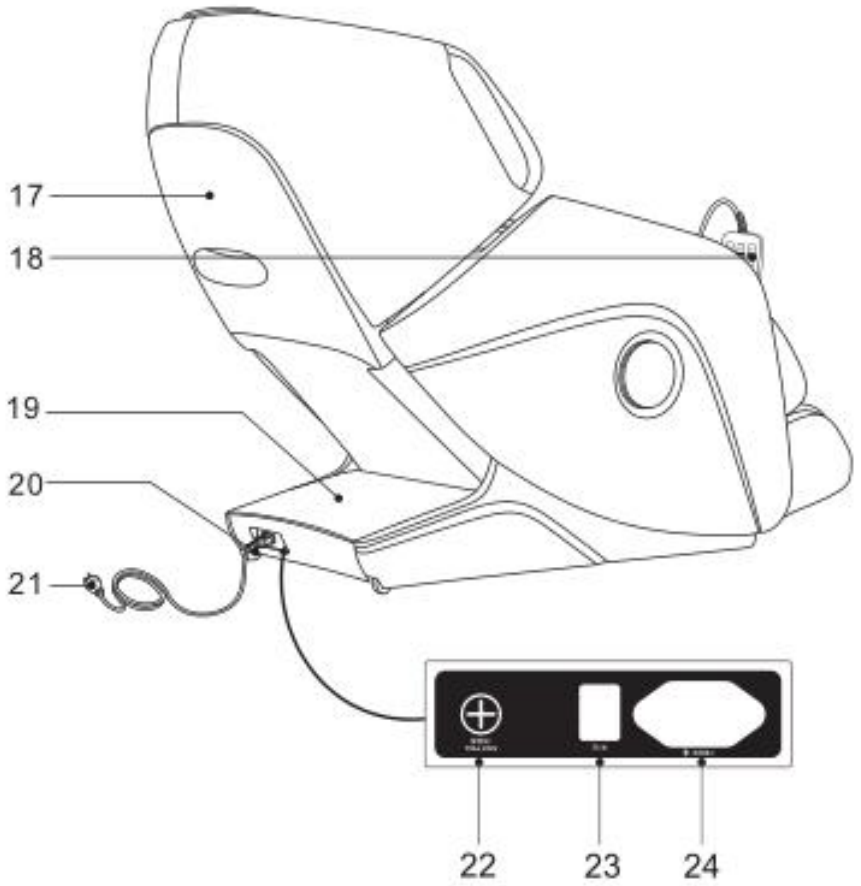


1、Head Cushion
2、3Digital Audio
3、Upper Arm Airbag Assembly
4、Arm Airbag Assembly
5、Hip Airbag Assembly
6、Salient Point Magnetic Massage
7、Phone Pocket
8、USB Charging Port
9、 Seat Cushion
10、Footrest Frame
11、Footrest Frame
12、Back Cushion
13、Shortcut Key on Armrest
14、Armrest
15、LED Light
16、Side Panel

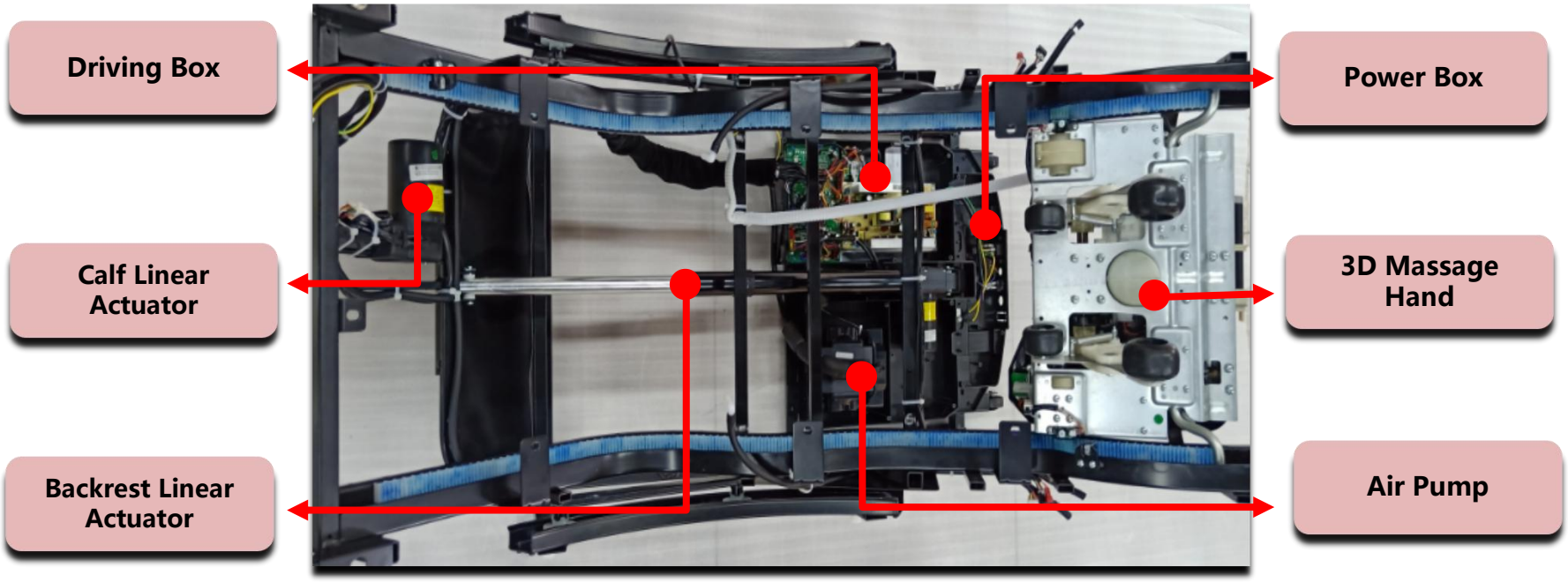
4.2、Part name

17、Back Cover
18、Manual Controller
19、Driving Box
20、Trundle

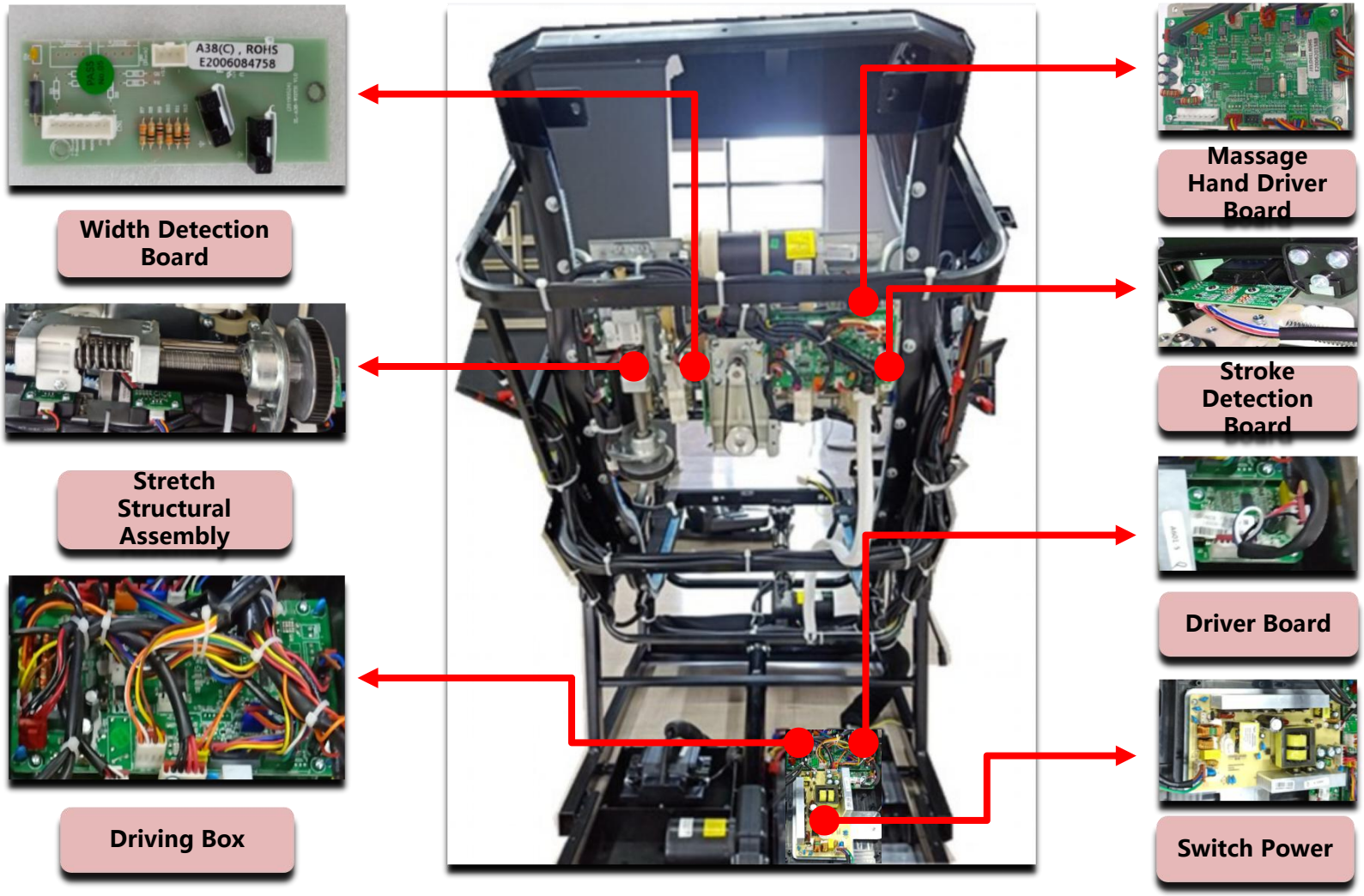
21、Power Cord and Plug
22、Fuse Box
23、Power Switch
24、Power Cord Socket



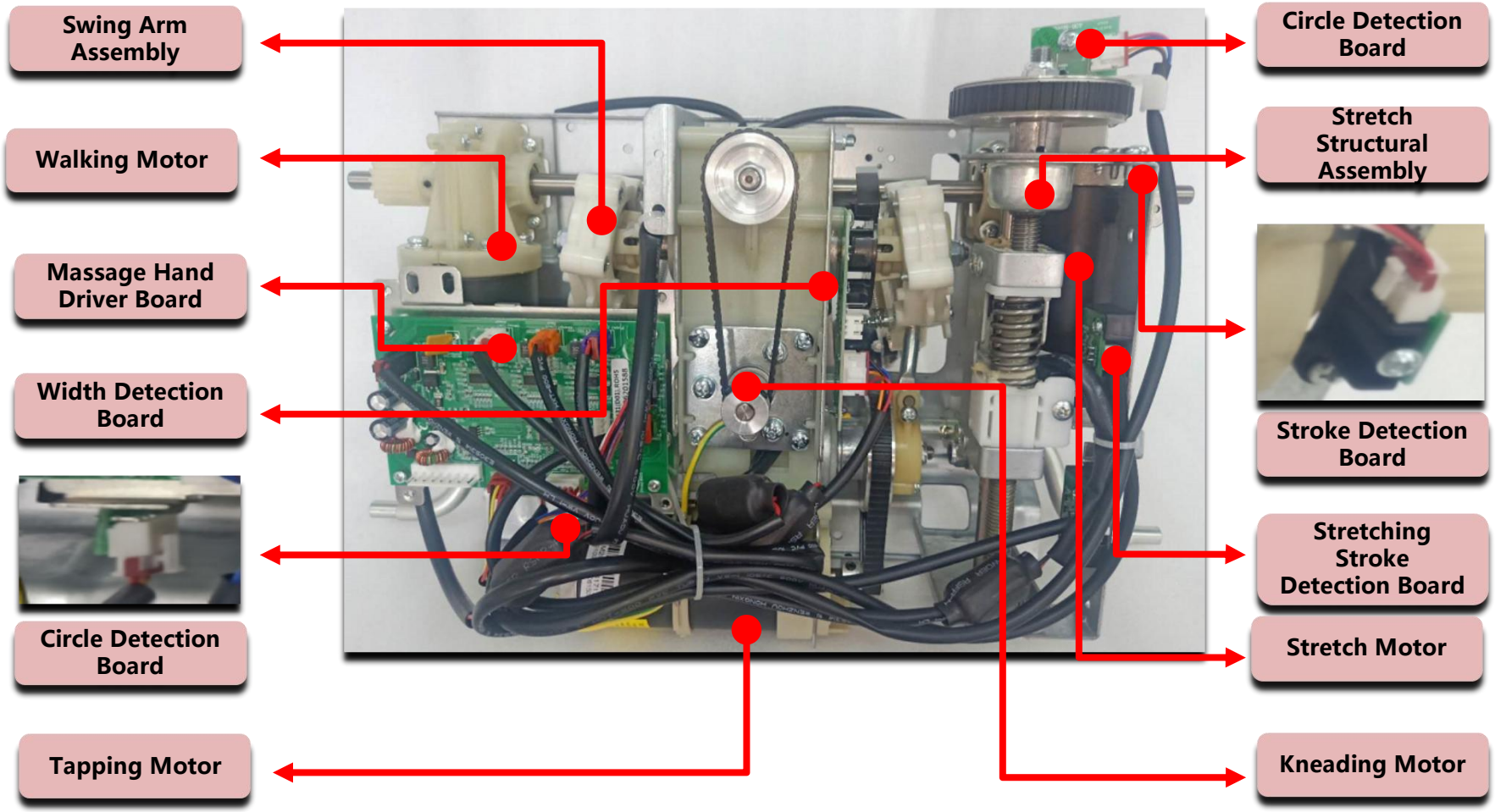
4.3.1、Inner Structure Diagram



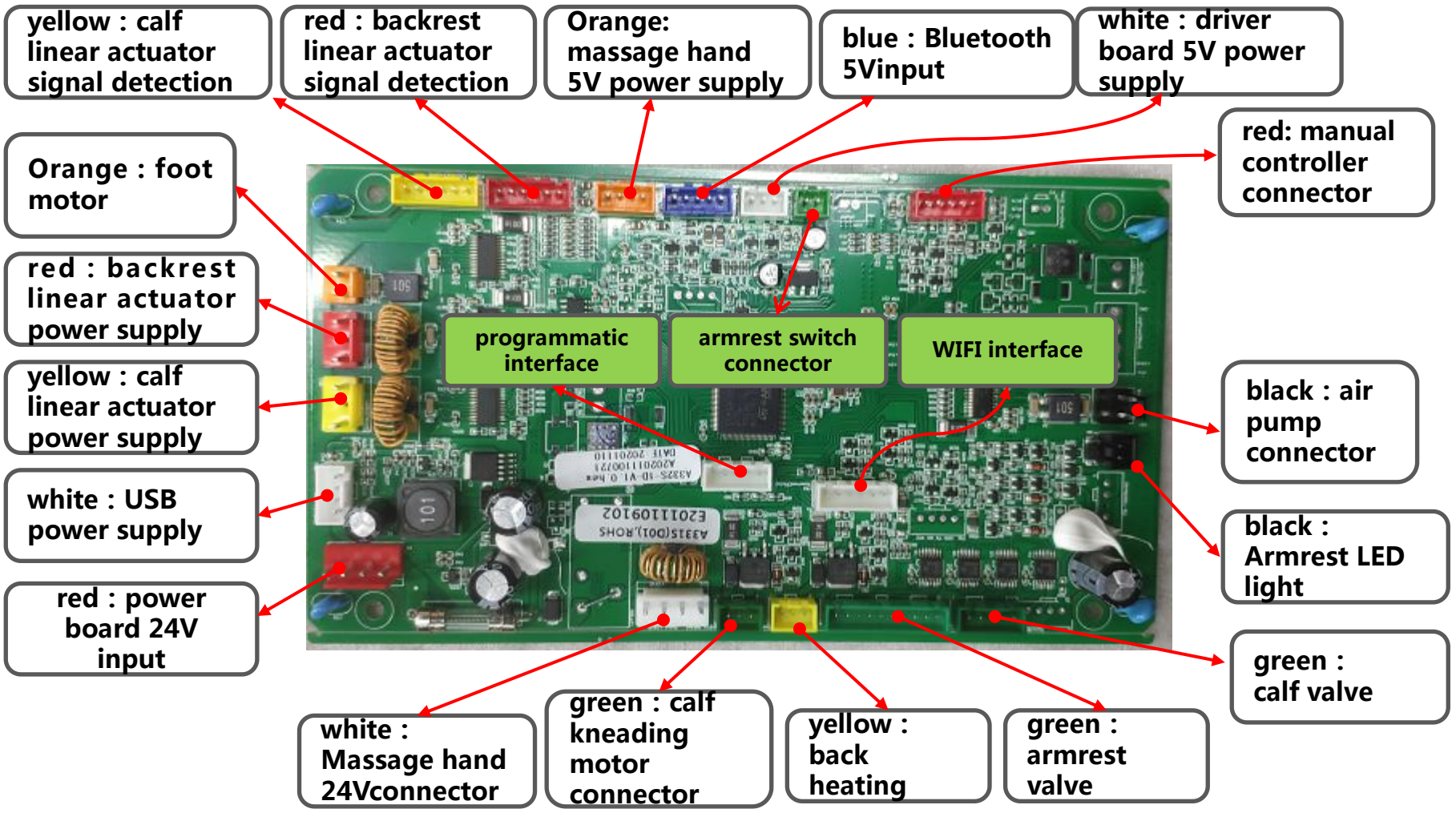
4.3.2、Inner Structure Diagram



4.4、Inner Structure Diagram



4.5、Distribution Diagram of Driver Board Plug-ins

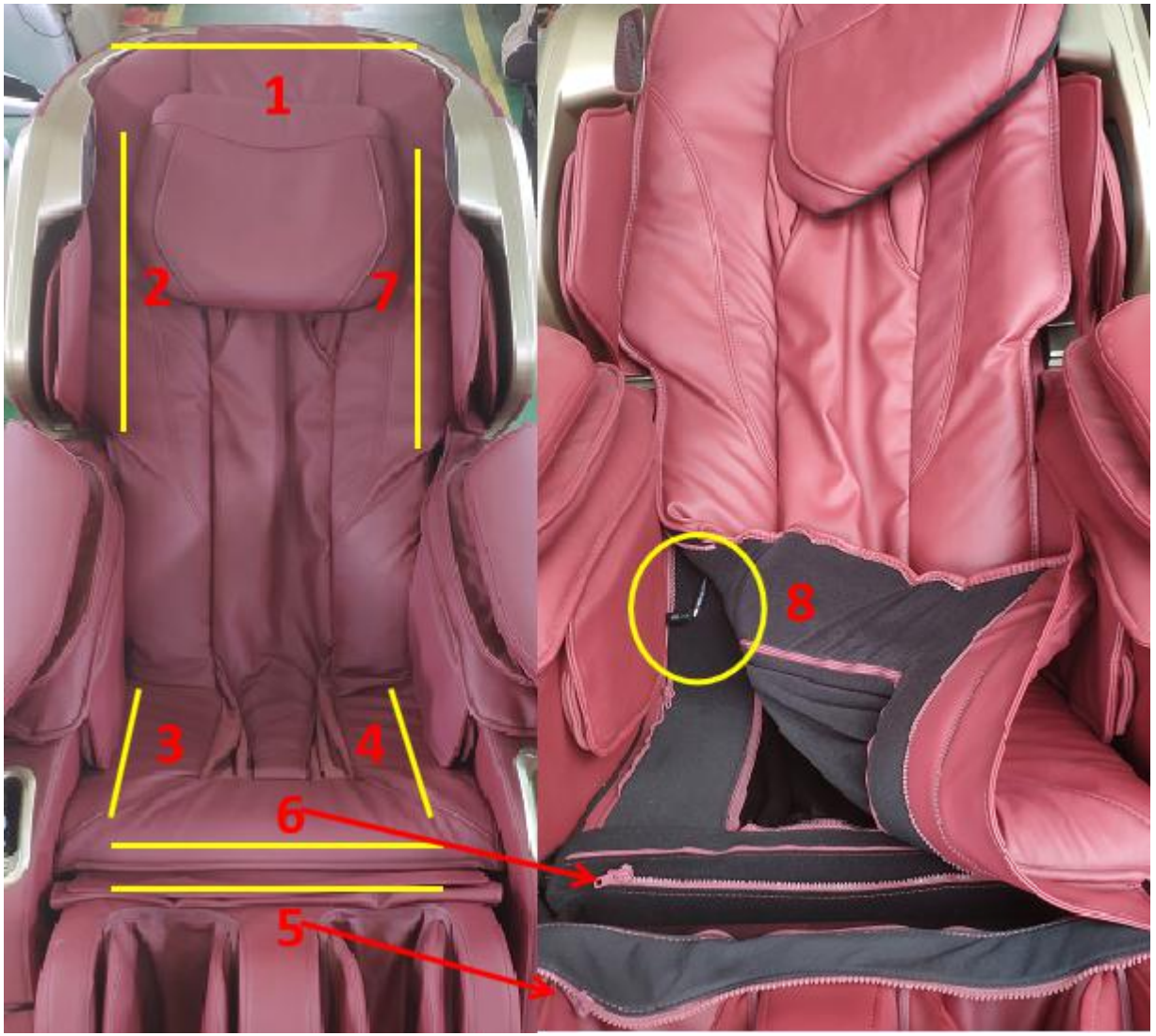


4.6、Distribution Diagram of Power Board Plug-in

5.1、
Back Cushion Disassembly Diagram

1、Remove the zipper at the position of yellow line 1~7 inside edge of cushion on the right

2、Lift the cushion and remove the hot-wire interface in figure 8 on the right to remove the cushion assembly



5.2、Calf Disassembly Diagram

A

A、Remove screws 1~2 from the mounting seat as show in figure A

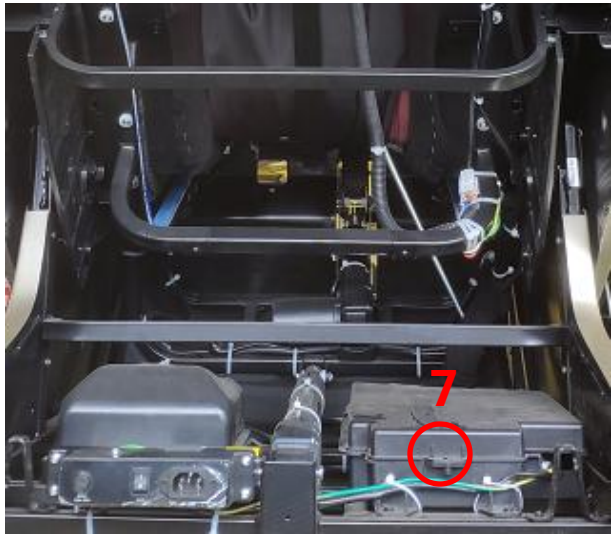
B

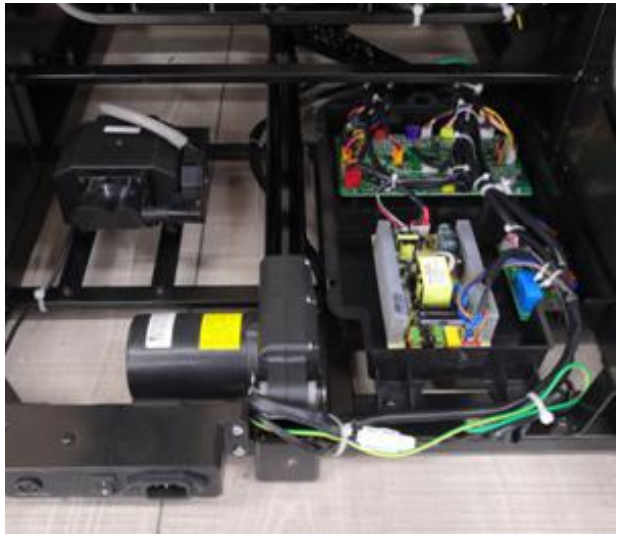
B、Separate the air pipe from the plug as show in figure B3

C

C、Remove the calf assembly

5.3、Disassembly Diagram of Back Cover & Driver Box Cover





A

A、Remove the screws as show in figure A1~4 and remove the back cover

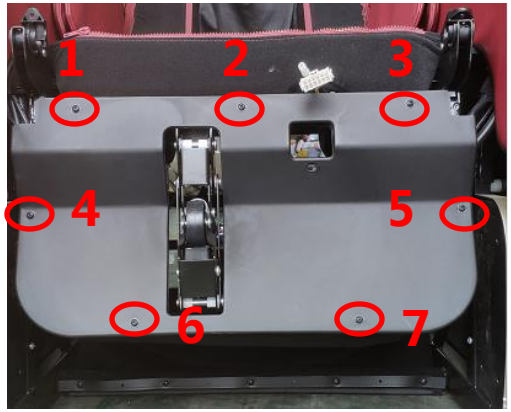
B

B、Remove the screws as show in figure A5-6 to remove the back cover

C

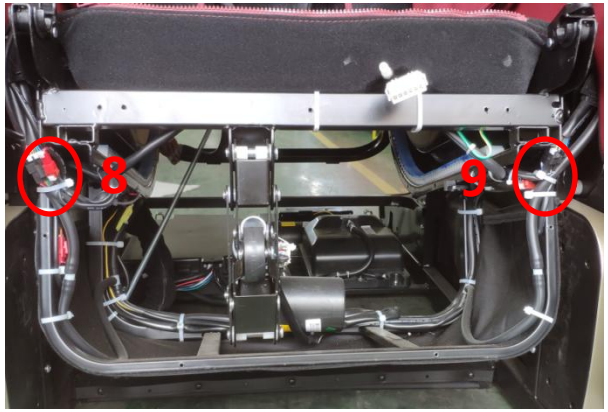
C、Remove the screw as show in figure. B7 and remove the drive box cover as shown in FIG. C

5.4、Armrest Disassembly Diagram



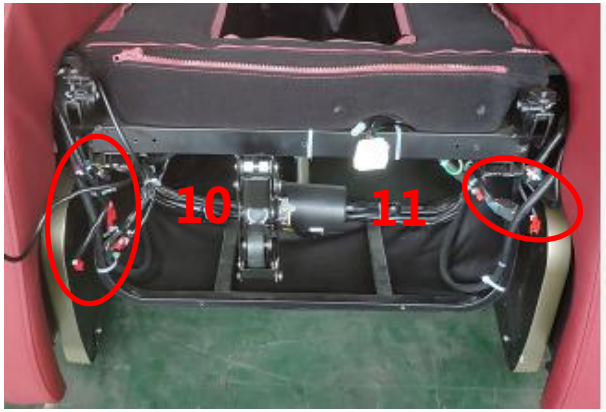
A

A Remove screws from A1~7 as show in figure to remove the front baffle plate



B

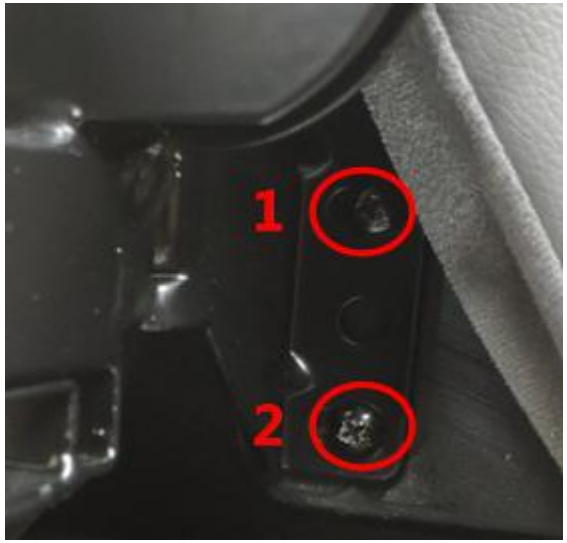
B、Remove cable ties as show in figure 8~9



C

C、Remove the three plug-ins and the air pipe as show in figure C10 to 11

5.4、Armrest Disassembly Diagram



A

B

C

A、Remove the four screws at the left and right sides of figure A

B、Remove the left and right screws and air pipes inside the capsule in figure B

C、Remove the armrest as shown in figure C

5.6、Armrest LED Disassembly Diagram

A

A、Remove the screws as show in figure A8

B

B、Remove 4 plugs as show in the figure

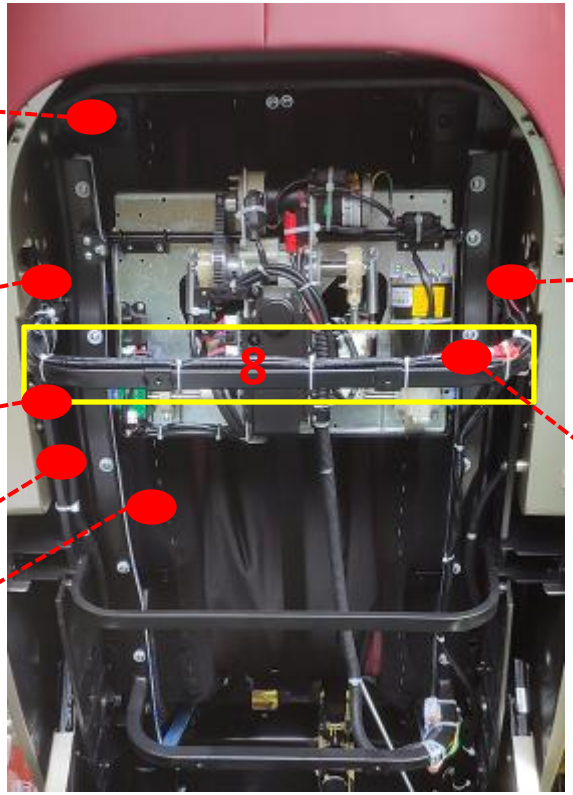
C

C、Remove the armrest LED light as shown in figure C

5.7、Capsule Disassembly Diagram

A

A、As shown in figure A, remove 8 screws from 1 to 4 places on the left and right of the capsule



B

B、Remove the wide yellow circled tie as show in figure 8

C

C、As shown in figure C, remove the plug-ins from 5 to 7 places on the left and right of the capsule

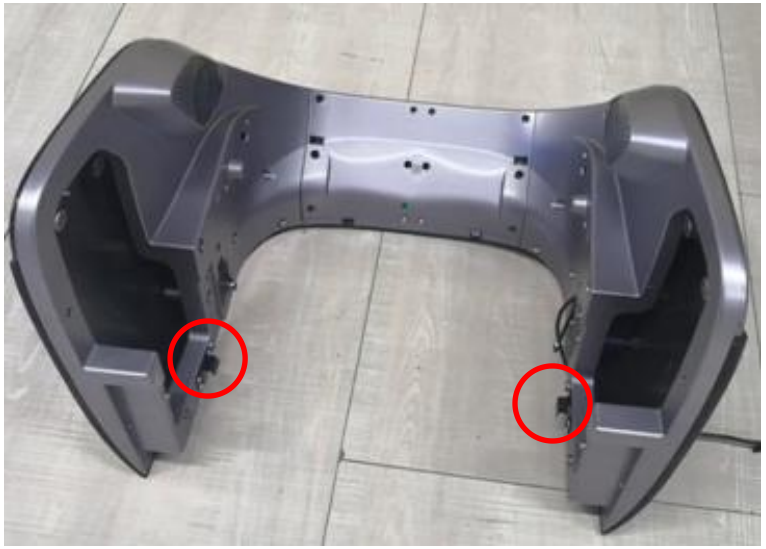
5.8、Capsule Disassembly Diagram

A

A、Remove the decorative cover (left and right) of the capsule as show in Figure A with A flat-head screwdriver

B

B、Remove the 4 screws on the capsule (left and right) as show in Picture B

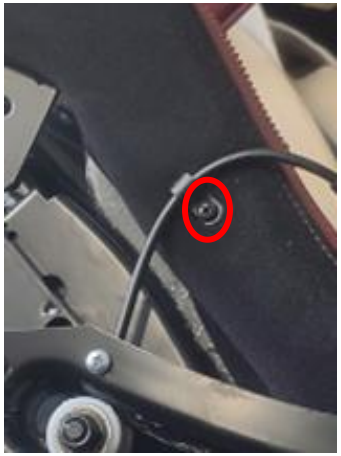


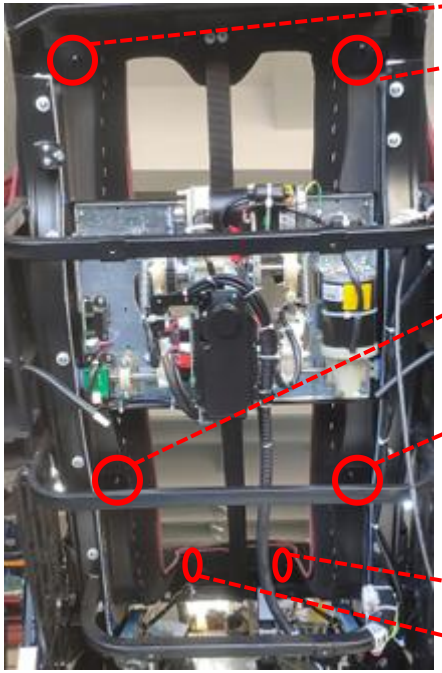
C

C、Remove the capsule (note the inner left and right hooks)

Product Disassembly (Backrest Frame)

5.9、Backrest Frame Disassembly





A

A、Remove the screws as show in figure A2 from the bag strap

B

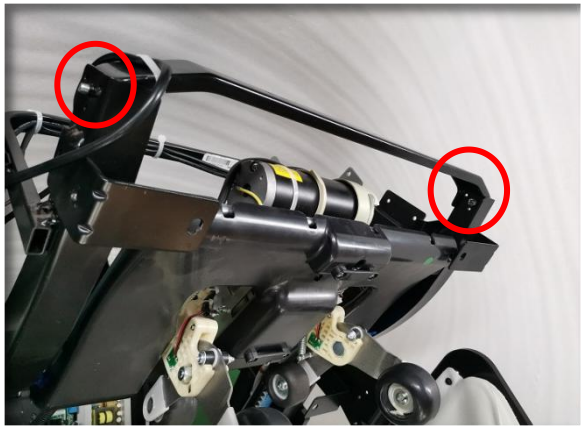
B、Remove one screw on the right side of the bracket as show in figure B

C

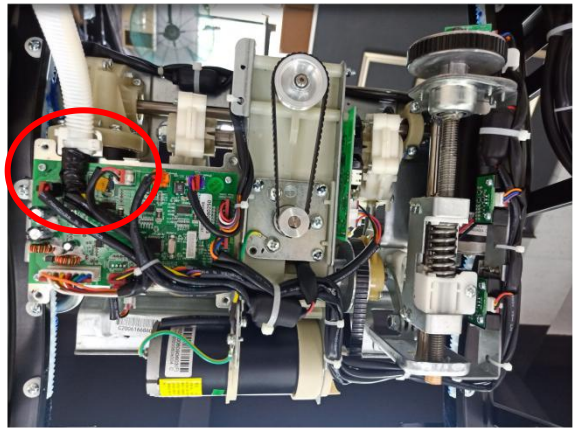
C、Remove the screws in FIG. C6 and remove the backrest as shown in figure D

D

5.10、Massage Hand Disassembly Diagram



A、Remove the screws inside the red rings on both sides of the steel backrest frame (remove the capsule first)



B、Separate the cable tie inside the red circle, remove the ground screw and limit magnet (take photos firstly to save the wiring condition for subsequent restoration)

C、Remove the massage hand from the main frame with both hands (In case of power outage)

5.11、Side Cover Disassembly Diagram

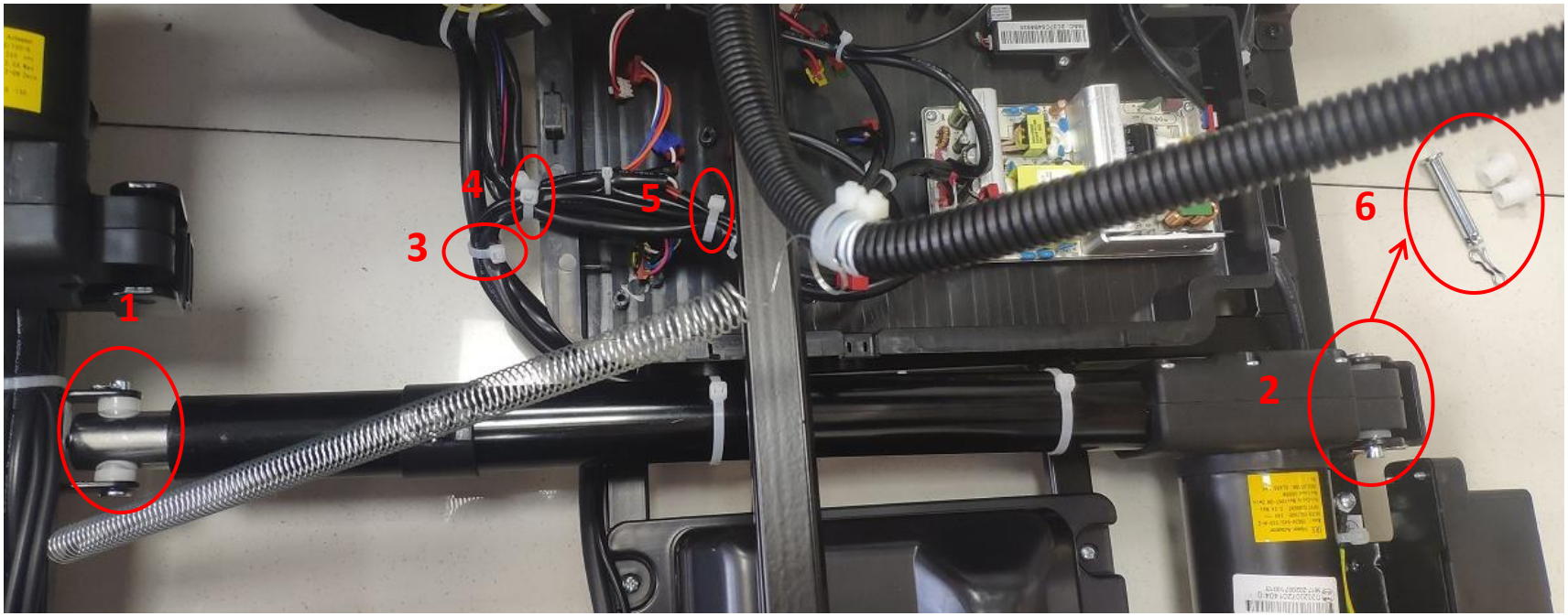
A

A. Remove (1)and (2) screws in the middle and 1 screw in the middle of the side cover

B

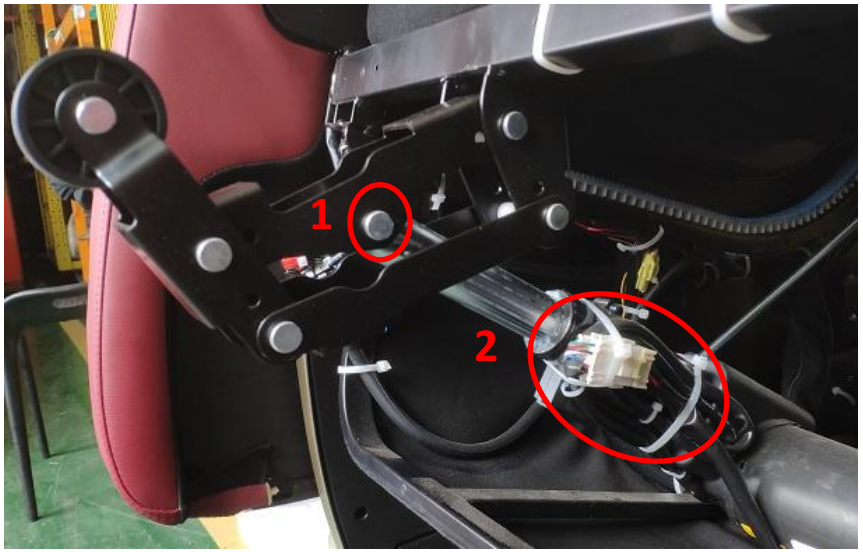
B、Remove one screw (4) at the back end of the side cover and two screws (5 and 6) at the front end of the side cover to remove the lower side cover assembly

5.12、Backrest Linear Actuator Disassembly Diagram

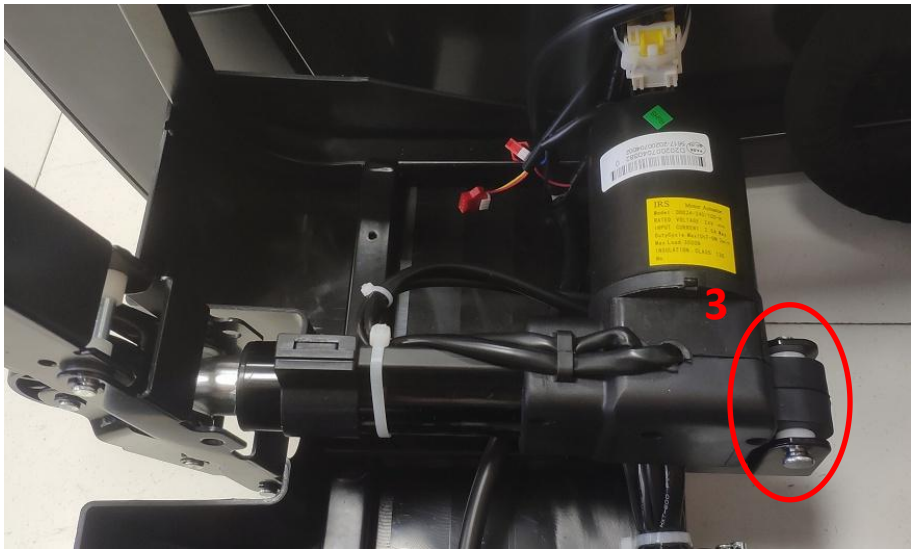


1. Remove the cable ties at position 3~5 above and take out the two red plugs of the linear actuator
2、Remove the r-shaped bolt and pin shaft at position 1,2 as show in the figure above and remove the linear actuator as shown in the position 6

5.13、Calf Linear Actuator Disassembly Diagram



A



B

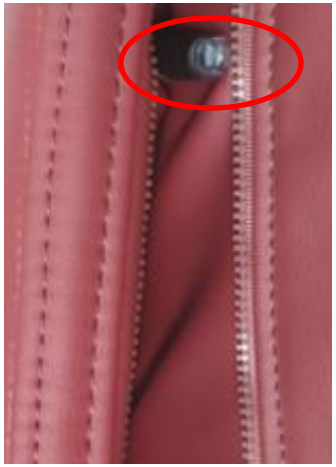
1. **Extend the calf as show in figure A to remove the clasp and pin at position 1, remove the cable ties at position 2, and pull out the linear actuator**

2. Remove the R-shaped bolt and pin shaft at figure B3 and take out the linear actuator

5.14、Armrest Airbag Disassembly Diagram

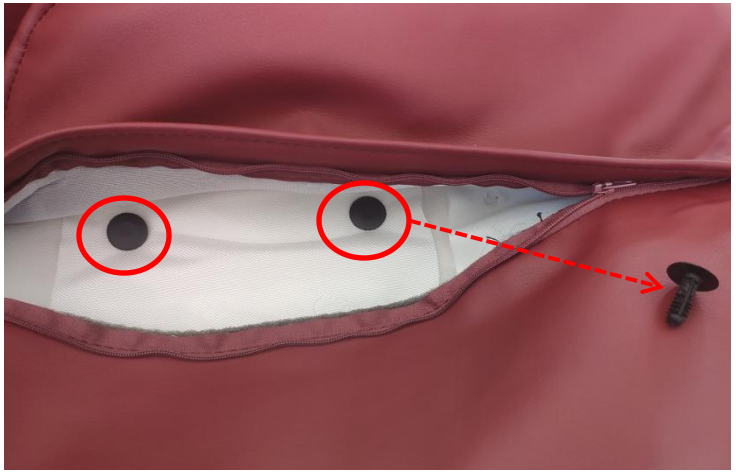
A

A、Remove the zipper as show in figure A2



B

B、Remove the air pipe and plug as show in figure B4



C

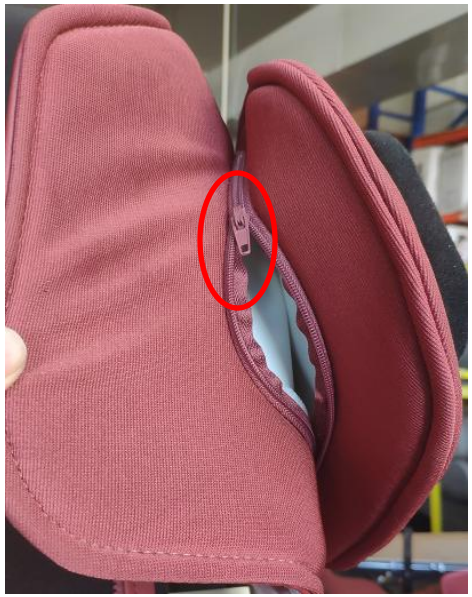
C、Remove the 8 car buckles as show in figure C and remove the air bag

Product Disassembly (Shoulder Airbag)

5.15、Shoulder Airbag Disassembly Diagram (Note: The capsule needs to be disassembled first)

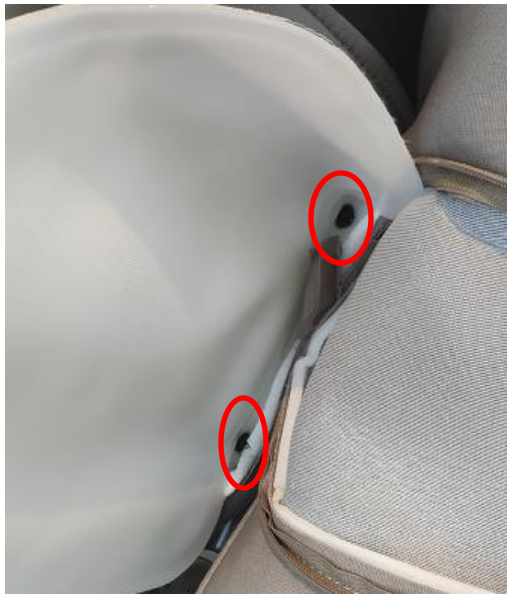
A

A、Remove airpipe as show in figure A



B

B、Unzip the zipper as show in figure B



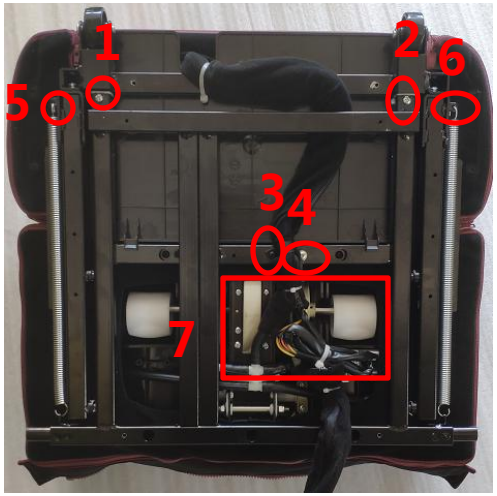
C

C、Remove two screws from airbag as show in figure C

5.16、Foot Motor Disassembly Diagram

A

A、Remove the screws as show in figure A8



B

B、Remove the four screws and two springs as show in figure B1~6

C

C、Remove the cable ties, air pipe and plug-in as show in figure B7 and separate the calf as shown in figure C

5.17、Foot Motor Disassembly Diagram

A

A、Remove the screws as show in figure A4

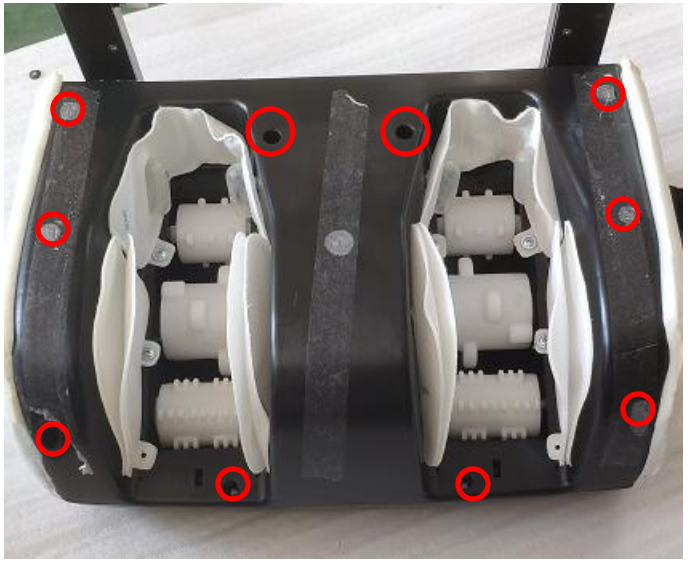
B

B. Remove the four screws in the footrest as show in figure B

C

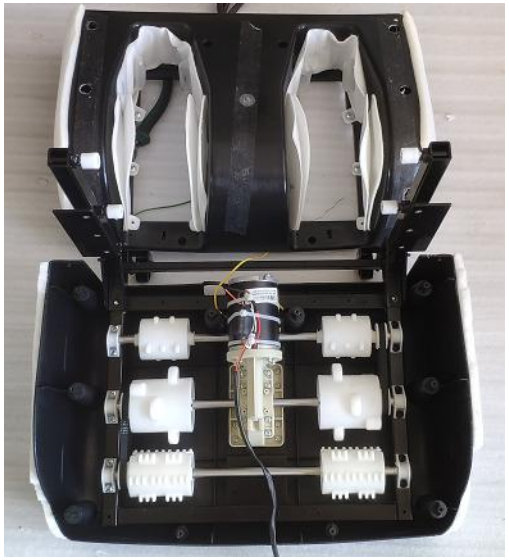
C. Unzip the zipper and remove the screw to remove the holster as show in figure 2

5.18、Foot Motor Disassembly Diagram



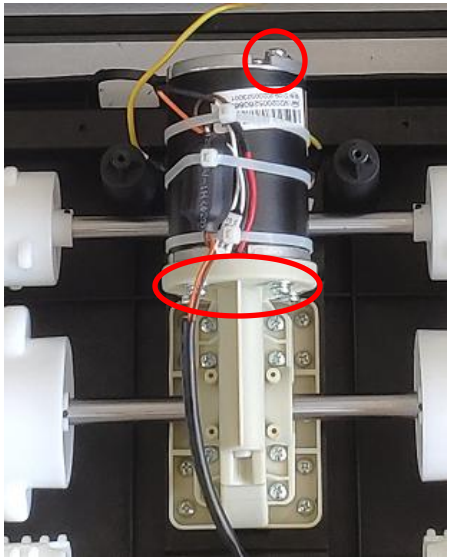
A

A、Remove the screws as show in figure A10



B

B、Separate the top cover from the base, as shown in B



C

C、Remove the screws as show in figure C5 and take out the motor

Product ERROR Code

6.1、Fault code (LC mode access method: combination key: press lower calf+ back up + recline at the same time)

Display	Error	Possible reason	Troubleshooting
FB	The lower limit switch on the massage hand is detected at the same time	1. The upper and lower limit switch lines are not connected well. 2. The upper and lower limit switches are damaged (one or two).	Software closes up and down moving motor
FC	No position signal of up and down walking circle detected in unit time	1.The upper and lower position signal lines are not connected. 2.The walking detection code wheel collides and detects the photoelectric pair tube. 3.Moving motor is broken. 4.The moving motor drive circuit has problem. 5.Overloador other reasons make the up and down moving motor not work properly.	Software closes up and down moving motor
FD	During the up or down process of the massage hand, the upper limit or lower limit signal is not detected within the specified time	1.Overload or other causes the moving speed of the up and down moving motor to become very slow. 2.The upper and lower limit switches are damaged.	Software closes up and down moving motor and cut off the power
F6	Kneading width is not detected	1. Kneading width detection photoelectric damage to the tube (one or two) 2. The kneading motor is broken. 3. Kneading drive circuit has problem. 4. Overload or other reasons make the motor not working properly	Check whether the width detection board, wiring harness, kneading motor, driving circuit and plug-in are in good condition, reassemble or replace

Display	Error	Possible reason	Troubleshooting
B0	Communication error between massage hand and main board	1. Massage hand J31 has problem 2. The mainboard is faulty, the cable is disconnected, or the plug-in is loose.	Check whether the relevant parts are in good condition, reassemble and replace
F9	Walking motor drive circuit overload or short circuit	1. The driving circuit of the walking motor is faulty and the motor is faulty, resulting in excessive. 2. Excessive current caused by heavy load or motor blocking	Check whether the stroke detection board, walking motor, driving circuit and wiring harness are in good condition, reassemble or replace
FE	Shoulder position detection signal cannot be detected	1. Shoulder position sensor groove photocoupler is broken 2. The connector for detecting the shoulder position is loose	Check whether the shoulder inspection board, wiring harness and plug-in are in good condition, reassemble or replace
F7	Kneading width detection signal 2 cannot be detected	1. Kneading width to detect photoelectric damage to tube 2 2. Kneading motor problem 3. Kneading drive circuit problem 4. The motor cannot work properly due to heavy load or other reasons	Check whether the width detection board, wiring harness, kneading motor, driving circuit and plug-in are in good condition, reassemble or replace
F8	Kneading motor drive circuit overload or short circuit	1. Kneading motor drive circuit problem 2. Kneading motor problem, resulting in excessive current 3. Excessive current caused by heavy load or motor blocking	Check whether the width detection board, wiring harness, kneading motor, driving circuit and plug-in are in good condition, reassemble or replace

6.2 、Fault code (LC mode access method: combination key: press lower calf+ back up + recline at the same time)

Display	Error	Possible reason	Troubleshooting
E0	The number of calf lift motor laps per unit time is not detected	1. The lap detection Hall is damaged. 2. Motor broken. 3. Motor drive circuit has problem. 4. The load is too heavy or other causes the motor to not work properly.	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
E4	The number of laps of the backrest lift motor is not detected per unit time	1. The lap detection Hall is damaged. 2. Motor broken. 3. Motor drive circuit has problem. 4. Overload or other causes the motor not to work properly.	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
E1	The calf lift motor limit switch detects the limit at the same time	1. The upper and lower limit switch wires are not connected well. 2. The upper and lower limit switches are damaged (one or two).	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
E5	When the backrest lift motor is walking, the upper and lower limit signals are detected at the same time.	1. The upper and lower limit switch wires are not connected well. 2. The upper and lower limit switches are damaged (one or two).	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
E2	In the operation of the calf lifting motor, the upper limit or lower limit signal is not detected within the specified time.。	1. Overload or other reasons make the motor run very slowly. 2. The upper and lower limit switches are damaged.	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace

Display	Error	Possible reason	Troubleshooting
F4	massage hand stretch motor drive circuit detection error	1. Backrest lift motor drive circuit problem. 2. The backrest lift motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether wiring harness, stretch motor, drive circuit and plug-in are in good condition, reassemble or replace
FA	Tapping motor drive circuit detection error	1. Tapping motor drive circuit problem. 2. The tapping motor failed, causing the current to be too large. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether wiring harness, tapping motor, drive circuit and plug-in are in good condition, reassemble or replace
E6	During the operation of the backrest lift motor, the upper limit or lower limit signal is not detected within the specified time.	1. Overload or other reasons make the motor run very slowly. 2. The upper and lower limit switches are damaged.	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
F1	In the operation of the stretch motor of the massage hand, the position signal of the walking circle is not detected within the specified range.	1. Backrest lift motor drive circuit problem. 2. The backrest lift motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether the stretch detection board, wire harness, limit switch, stretch motor, drive circuit and plug-in are in good condition, can be reassembled or replaced
F0	The massage hand stretch motor detects both front and rear limit signals	1. Backrest lift motor drive circuit problem. 2. The backrest lift motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether the stretch detection board, wire harness, limit switch, stretch motor, drive circuit and plug-in are in good condition, can be reassembled or replaced

Display	Error	Possible reason	Troubleshooting
E7	Backrest lift motor drive circuit detection error	1. Backrest lift motor drive circuit problem. 2. The backrest lift motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether the linear actuator wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
E3	Calf lift motor drive circuit detection error	1. Calf lifting motor drive circuit problem. 2. The calf lifting motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Software closes the calf lift motor
F5	tapping motor open circuit	1. The tapping motor drive circuit is faulty 2. The tapping motor is open, the plug-in is not inserted or the wire is broken	Check whether wiring harness, tapping motor, drive circuit and plug-in are in good condition, reassemble or replace
	In the operation of the stretch motor of the massage hand, the position signal of the walking circle is not detected within the specified range.	1. Backrest lift motor drive circuit problem. 2. The backrest lift motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Software close the motor

Display	Error	Possible reason	Troubleshooting
F2	When massage hand stretch motor is working, hall signal 2 can not detect the number of laps	1. stretch motor drive circuit problem 2. Stretch motor malfunction, resulting in excessive current 3. The detection board of the number of laps is damaged	Check whether the stretch detection board, wire harness, limit switch, stretch motor, drive circuit and plug-in are in good condition, can be reassembled or replaced
F3	When massage hand stretch motor is working in 20 seconds, it can not detect the upper limit or lower limit	1. stretch motor drive circuit problem; the motor fault 2. The detection board of the number of laps is damaged 3. magnets of stretch detection whether fall	Check whether the stretch detection board, wire harness, limit switch, stretch motor, drive circuit and plug-in are in good condition, can be reassembled or replaced
B7	Foot roller motor drive circuit detection error	1. Foot roller motor drive circuit problem. 2. The foot roller motor is broken, causing excessive current. 3. If the load is too heavy or other causes the motor is blocked, the current is too large.	Check whether wiring harness, foot motor, driving circuit and plug-in are in good condition, reassemble or replace
B1	Communication error between massage chair and armrest shortcut key	1. The shortcut key board is faulty 2. The connection plug between the button and the massage chair is loose or the wire harness is broken	Check whether wiring harness, driving circuit and plug-in are in good condition, reassemble or replace

Display	Error	Possible reason	Troubleshooting
B5	Calf kneading drive circuit detection error	1. Calf kneading motor failure, resulting in excessive current 2. Excessive current caused by heavy load or blocking rotation by kneading .	Check whether wiring harness, kneading motor, driving circuit and plug-in are in good condition, reassemble or replace
B6	Calf kneading motor open circuit	1. Calf kneading circuit problem 2. Calf motor open circuit or plug-in is not plugged in properly	Check whether wiring harness, kneading motor, driving circuit and plug-in are in good condition, reassemble or replace
B2	Backrest heating overload or short circuit	1. Backrest heating drive circuit problem 2. Backrest heating overload or short circuit	Check whether wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
B3	The backrest heating temperature sensor is faulty	1. The mainboard heating circuit is faulty 2. Open heater, plug loose or wire broken	Check whether wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
B4	Back heating open circuit	1. The mainboard heating circuit is faulty 2. Open heater, plug loose or wire broken	Check whether wiring harness, driving circuit and plug-in are in good condition, reassemble or replace
B8	24V AC air pump drive circuit detection error	1. Air pump driving circuit problems, air pump problem 2. Heavy load or air pump blocking caused by excessive current	Check whether wiring harness, driving circuit and plug-in are in good condition, reassemble or replace

Product Fault Diagnosis

1、The whole machine does not work

2、kneading does not work

3、Tapping does not work

4、Massage hand does not walk up and down

5、foot roller does not work

6、Backrest linear actuator does not work

7、Calf linear actuator does not work

8、Back heating function does not work

9、Airbag does not work

10、MP3 does not work

11、Armrest LED light does not work

12、USB charger does not work

13、Intelligent voice control does not work

7.1 、The whole machine does not work

Figure1

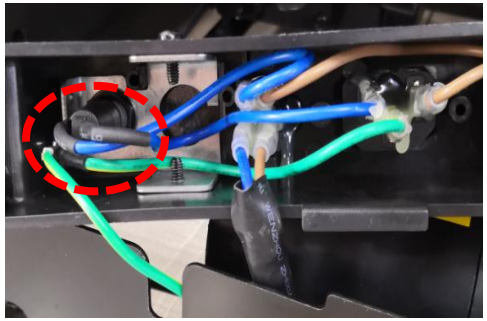


Figure 2

Figure 3

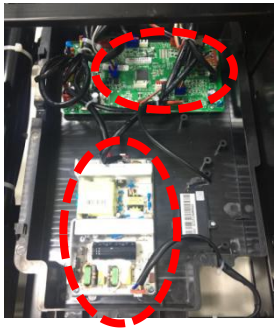


Figure 4

Fault diagnosis and maintenance :

A、Eliminate external factors above all, if power cord and power socket do not supply power, massage chair power switch is closed and so on.(figure 1)

B、The fuse in the power switch box is burned out, which is generally caused by short circuit of the drive board and high external voltage. The power board and fuse need to be replaced (Figure 2, Figure 4).

C、If the power supply is normal and the manual controller itself is damaged, it cannot be started. Replace the manual controller with a new one or use the armrest shortcut key to check whether the function of the product can be opened. For example, the normal operation of the shortcut key proves that the manual controller is damaged or the connecting wire harness is damaged.

D、Check whether the power supply of the power board has 220V voltage input, and then check whether the +5V voltage is transmitted to the drive board (P22 white). If there is no +5V voltage output to the drive board, replace the power board. If there is +5V voltage output to the drive board, it proves that the drive board is faulty, and replace the drive board.

The main reasons why the whole machine does not work are as follows: external power supply, fuse, manual controller, power board, and drive board

7.2 、kneading motor does not work

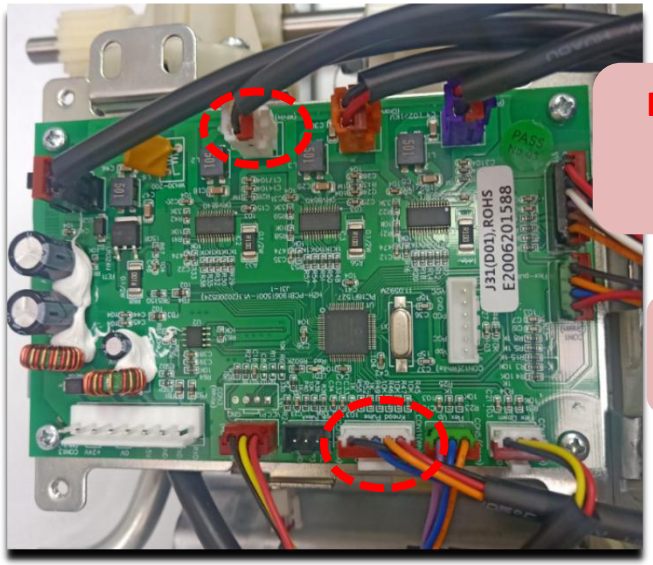


Figure 1

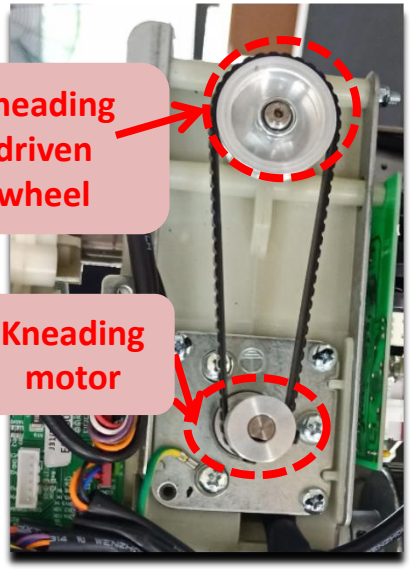


Figure 2

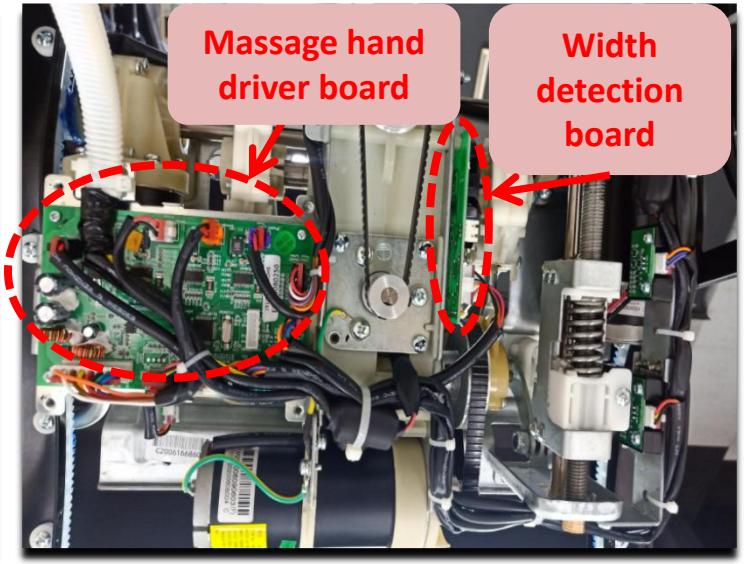


Figure 3

Fault diagnosis and maintenance :

A、First check whether wire harness of the massage hand drive board has bad contact or plug off (Figure 1);

B、Check whether the motor is damaged, the tapping motor can be used to judge whether the motor is good or bad (Figure 2).

C、Check whether the width detection board is damaged (FIG. 3);

D、 Substitution method to determine whether the drive board is damaged (Figure 3);Fault code :F6/F7/F8

E、Rotate and knead the driven wheel by hand to see if it feels tight. If so, replace the kneading worm gear box component (Figure 2)

7.3 、Tapping motor does not work

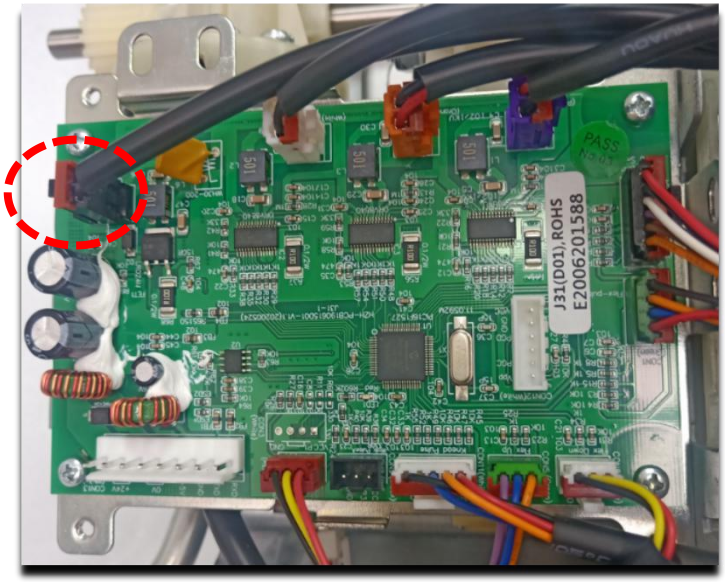


Figure 1

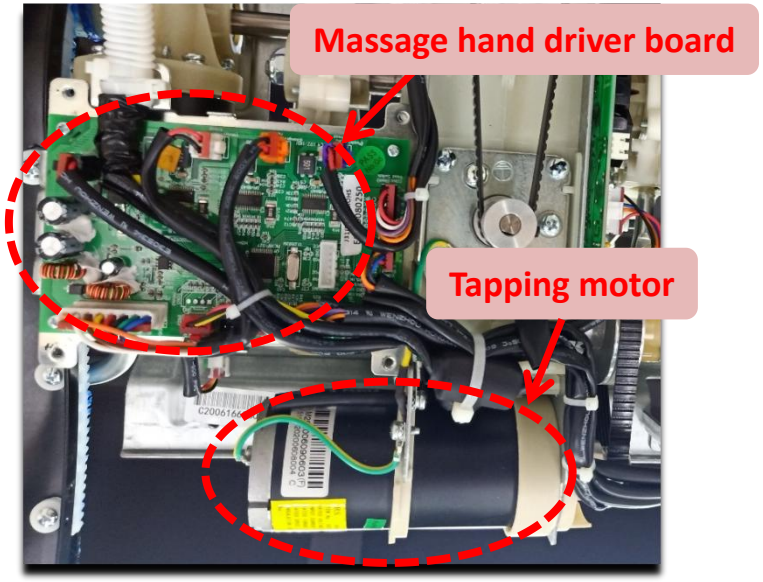


Figure 2

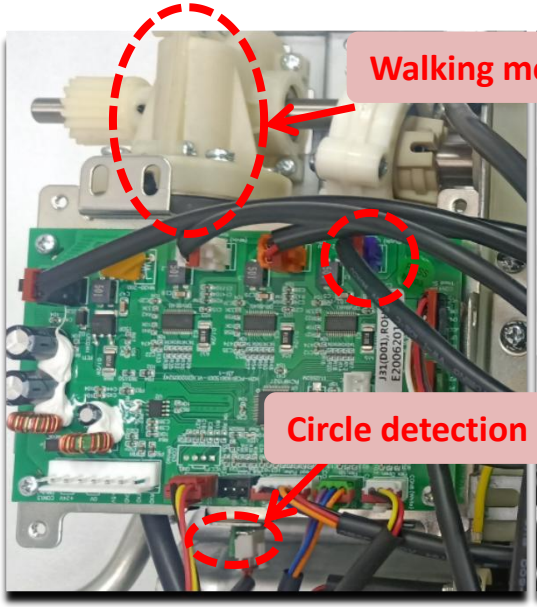
Fault diagnosis and maintenance :

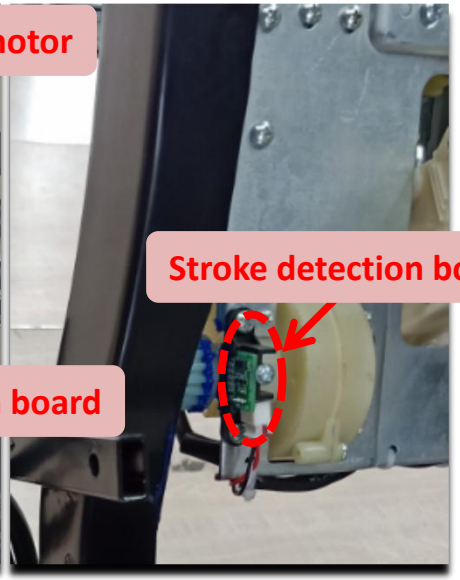
A、Firstly, check whether the wiring harness of the massage hand driver board has bad contact or the plug-in falls off (Figure 1) ;

B、 To check whether the motor is damaged, the power supply of the kneading motor can be used to judge the quality of the motor (Figure 2) ;

C、Substitution method to determine whether the drive board is damaged (Figure 2);Fault code :FA/F5

7.4、Massage hand does not work





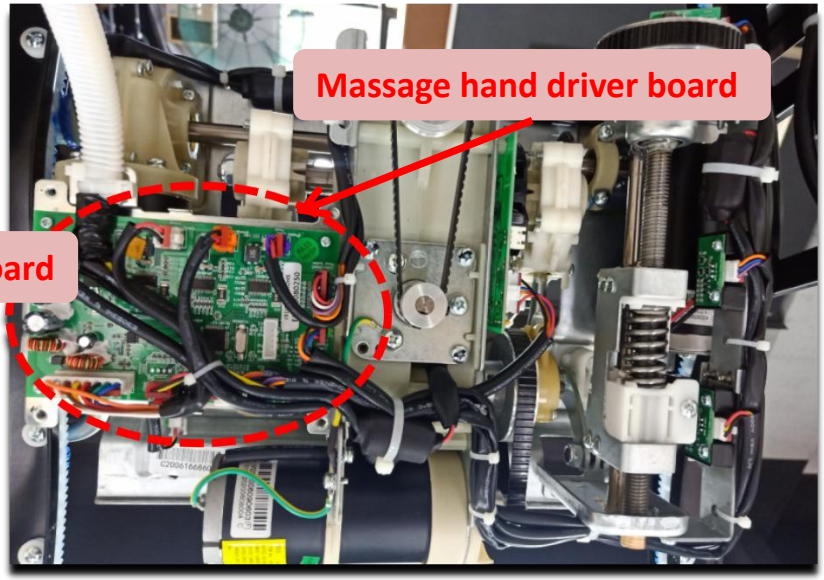


Figure1 Figure2 Figure3

Fault diagnosis and maintenance :

A、Firstly, check whether the wiring harness of the massage hand driver board has bad contact or the plug-in falls off (Figure 1) ;

B、 To check whether the motor is damaged, the power supply of the kneading motor can be used to judge the quality of the motor (Figure 2) ;

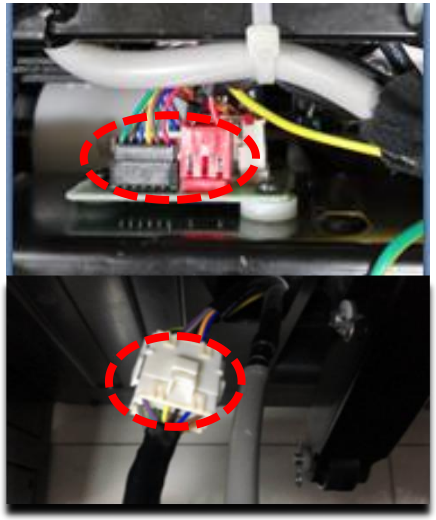
C、Check whether the circle detection board is damaged (FIG. 1);

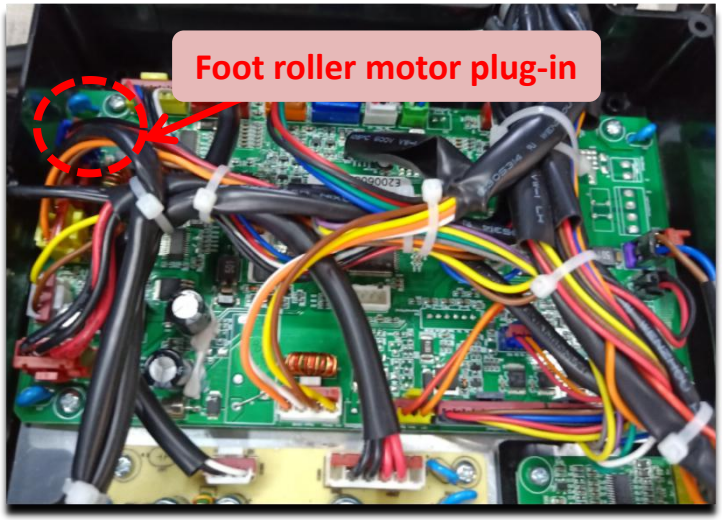
D、Determine whether the up-down travel detection board is damaged (Figure 2)

Fault code : FB/FC/FD/F9

E、Substitution method to determine whether the drive board is damaged （Figure3) ;

7.5、Foot roller does not work





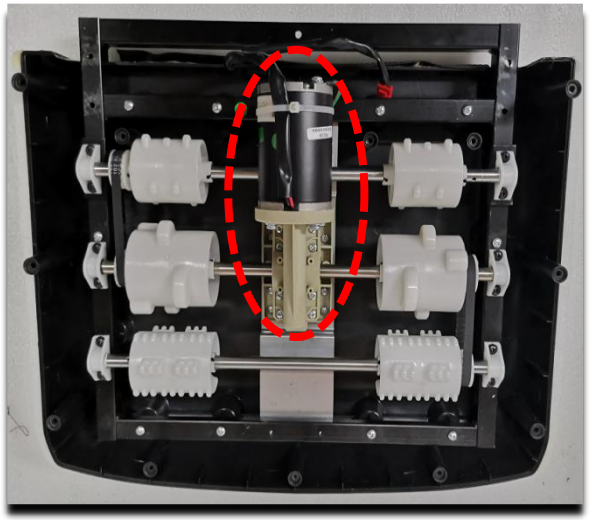


Figure1 **Figure2** **Figure3**

Fault diagnosis and maintenance：

A、Check whether the connecting wire harness of the calf and the main body is in bad contact, and whether there is DC24V output (figure 1)

B、If there is no voltage output, check whether the plug-in on the drive board is loose and whether there is voltage output. If there is no voltage output, consider replacing the drive board (Figure 2).

C、If the above is normal, then check whether the plug-in on the calf adapter board is abnormal (on Figure 1). Fault code: B7

D. If the above is normal, and the wiring harness is ok, we should consider replacing the foot roller motor (FIG. 3).

7.6、Backrest linear actuator does not work

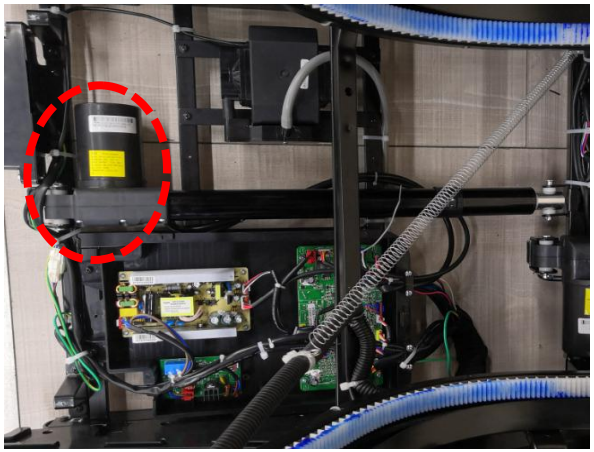


Figure1

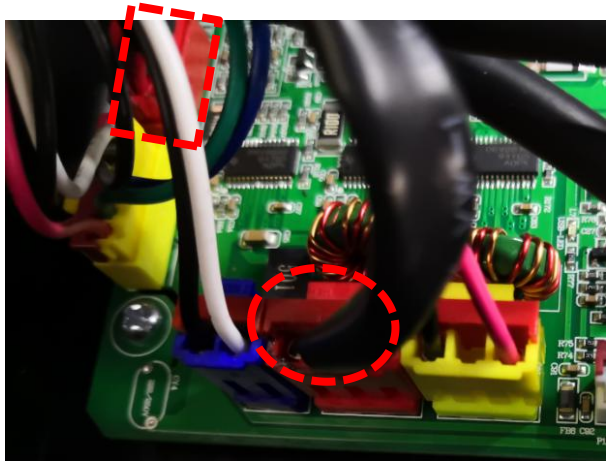


Figure 2

Fault diagnosis and maintenance : fault code:E7

A、First, press the control button of the linear actuator, listen to the buzzer sound "di, di," and listen to the sound “di, di “ after release to determine whether the signal of the linear actuator is detected. The linear actuator may be damaged or the driving board may be damaged. Replace it;

B、Replace the non-working linear actuator plug - in with another linear actuator plug - in that can work (note: from the mainboard end).If it still does not work after replacement, it proves that the linear actuator has been damaged and needs to be replaced. After the replacement, the linear actuator can work, which proves that the mainboard has been damaged and needs to be replaced

The main reasons why backrest linear actuator does not work are as the followings: the backrest linear actuator, the driver board and the wiring harness.

7.7、Calf linear actuator does not work

Figure1

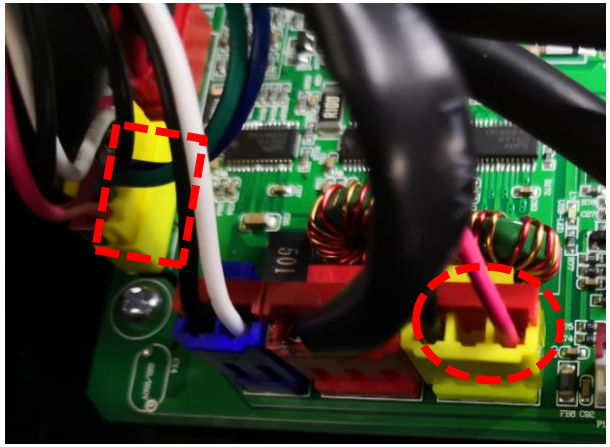


Figure 2

Fault diagnosis and maintenance：fault code E3

A、First, press the control button of the linear actuator, listen to the buzzer sound "di, di," and listen to the sound "di, di " after release to determine whether the signal of the linear actuator is detected. The linear actuator may be damaged or the driving board may be damaged. Replace it;

B、Replace the non-working linear actuator plug - in with another linear actuator plug - in that can work (note: from the mainboard end).If it still does not work after replacement, it proves that the linear actuator has been damaged and needs to be replaced. After the replacement, the linear actuator can work, which proves that the mainboard has been damaged and needs to be replaced

The main reasons why calf linear actuator does not work are as the followings : the calf linear actuator, the driver board and the wiring harness.

7.8、Backrest heating does not work

Figure1

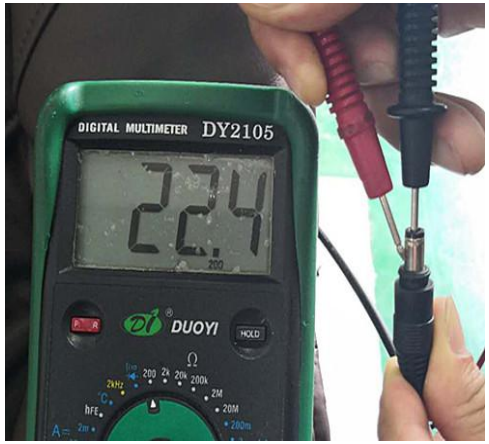


Figure 2

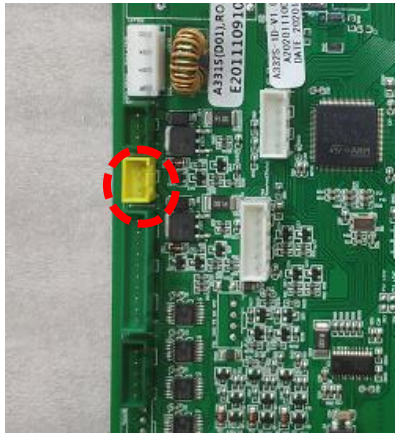


Figure 3

Figure 4

Fault diagnosis and maintenance：

A、Check whether the backrest heating wire plug-in has bad contact or falls off (Figure 1);

B、Use a multimeter to measure whether there is AC24V voltage between the yellow and back cushion of the drive board plug-in P6. If the drive board is damaged, replace the drive board. Figure 3

C. The resistance value of the backrest heating wire can also be measured with multipurpose as shown in Figure 2. If there is a resistance driving circuit problem, replace the back heating wire without resistance value; Figure 4.

Main reasons why backrest heating does not work are as the followings: backrest heating wire, driving board, wiring harness

7.9、A pair of air bags does not work

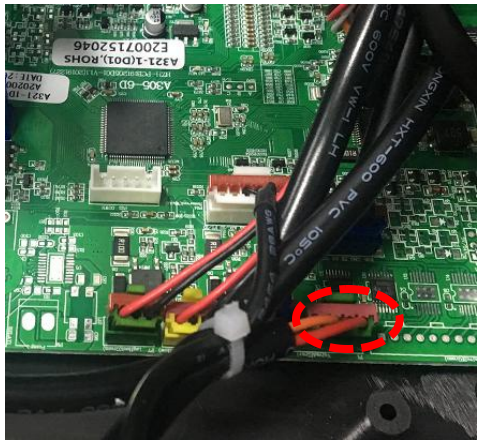


Figure1

Figure 2

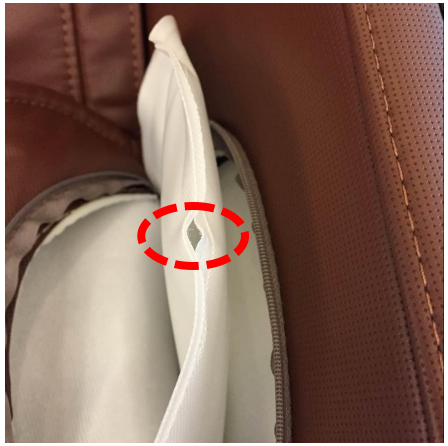


Figure 3

Fault diagnosis and maintenance：

A、Check whether the air bag is broken and whether the air pipe is bent (FIG. 2 and FIG. 3);Visual inspection

B、The valve controlling the air pressure is damaged (FIG. 2); Low damage probability

C、The peripheral circuit controlling the air pressure is abnormal, replace the drive board.

Main reasons why the air pressure does not work are as the followings: damaged air bag, bent air pipe, valve

7.10、Bluetooth MP3 does not work

Figure1

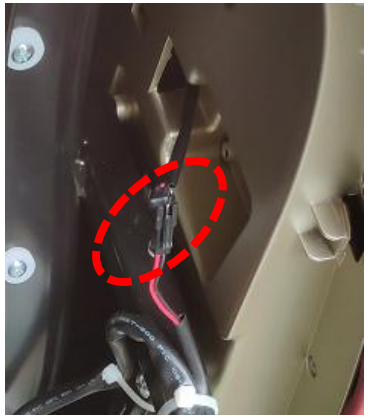


Figure 2

Figure3

Fault diagnosis and maintenance :

A、(If the phone is paired with Bluetooth successfully) Check whether the wiring harness of the audio Bluetooth board is in bad contact or the Bluetooth MP3 board is in bad contact, and then replace it;(figure 1)

B、Check whether the connection wire between audio Bluetooth board and horn is in bad contact;(figure 2)

C. If the unilateral horn does not sound, check the wiring harness and replace the horn ;(figure 3)

Main reasons why the bluetooth MP3 board does not work are as the followings: Bluetooth board, cable harness, and driver board

7.11、Armrest LED light does not work

Figure 1

Figure 2

Figure 3

Fault diagnosis and maintenance :

A、Use a multimeter to measure whether the driving board plug-in has DC12V voltage and confirm that there is no bad driving board;(figure 1)

B、Check whether the armrest wire plug-in has bad contact or fall off (Figure 2);

C、If the light bar is unquaflified, replace the armrest LED light bar; (figure 3)

Main reasons why the armrest LED does not work are as the followings ： armrest LED light、wire hardness、driver board

7.12、USB charger does not work

Figure 1

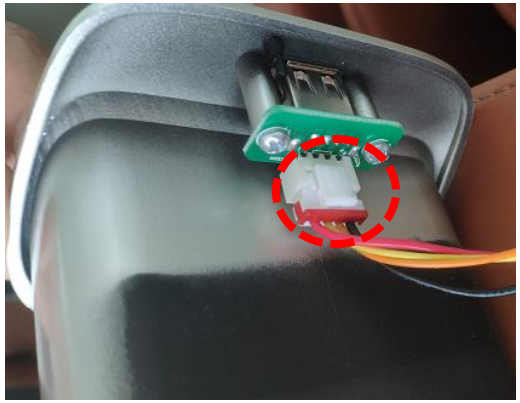


Figure 2

Figure 3

Fault diagnosis and maintenance :

A、First, exclude whether there is any defect in the data line of intelligent equipment; (FIG. 1)

B、Check whether the USB plug-in that inside the armrest phone pocket falls off. (figure 2)

C、Whether the plug-in of P12 on the drive board falls off and whether there is 5V voltage output (Figure 3)

Main reasons why the USB power supply does not work are as the followings : USB port, data cable harness, and driver board

7.13、The intelligent voice control does not work

Figure1

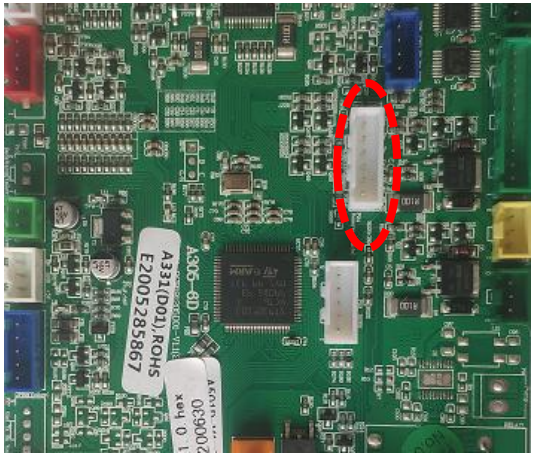


Figure2

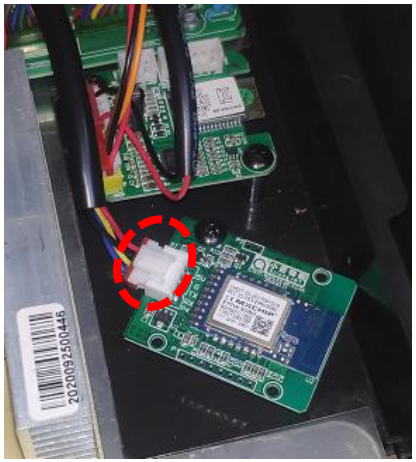


Figure3

Fault diagnosis and maintenance：

A、Enable the massage chair function through voice. See Figure 1 for whether there is voice response and whether tmall genie is paired.

B、If the voice control does not work, whether the small microphone and signal are bad, or the WiFi signal board is bad, see Figure 2 and Figure 3.