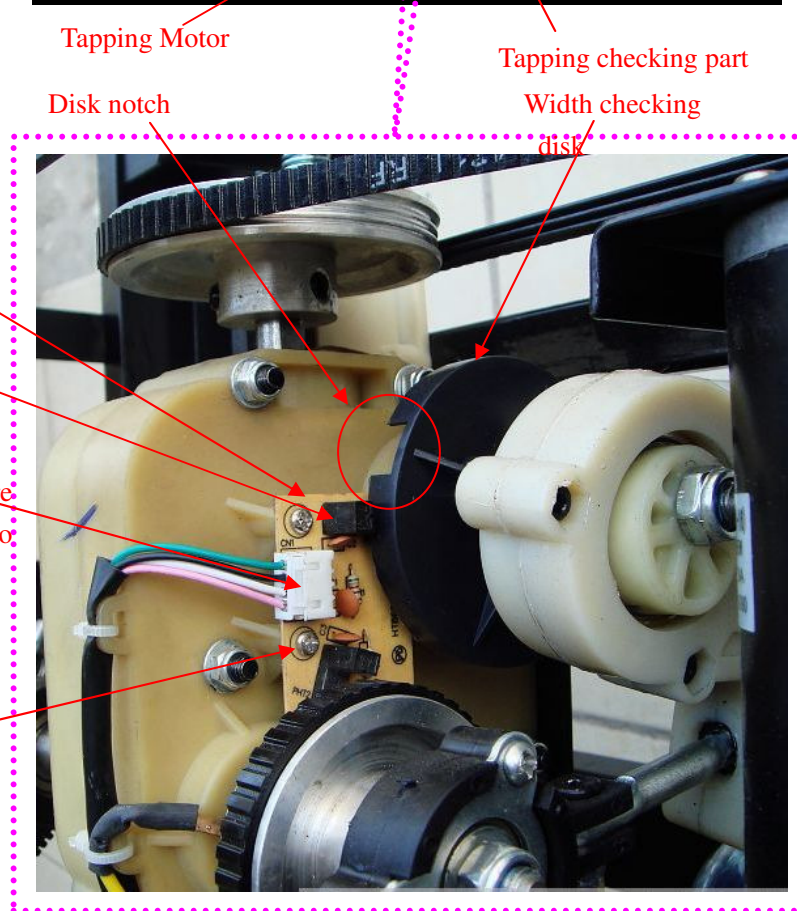
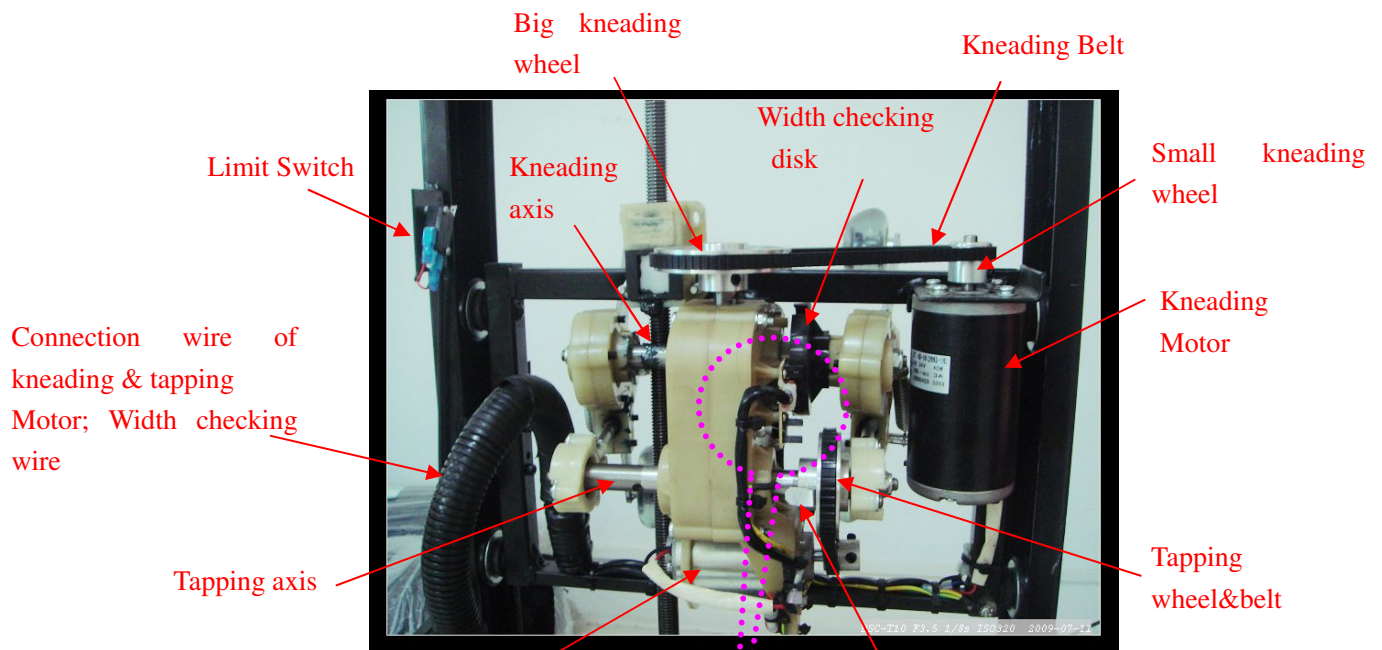


Repair Manual

一、Frame Photo



Kneading & tapping parts Photo

Change the kneading sensor board or change the cable

Repair Manual

1、 Kneading function:

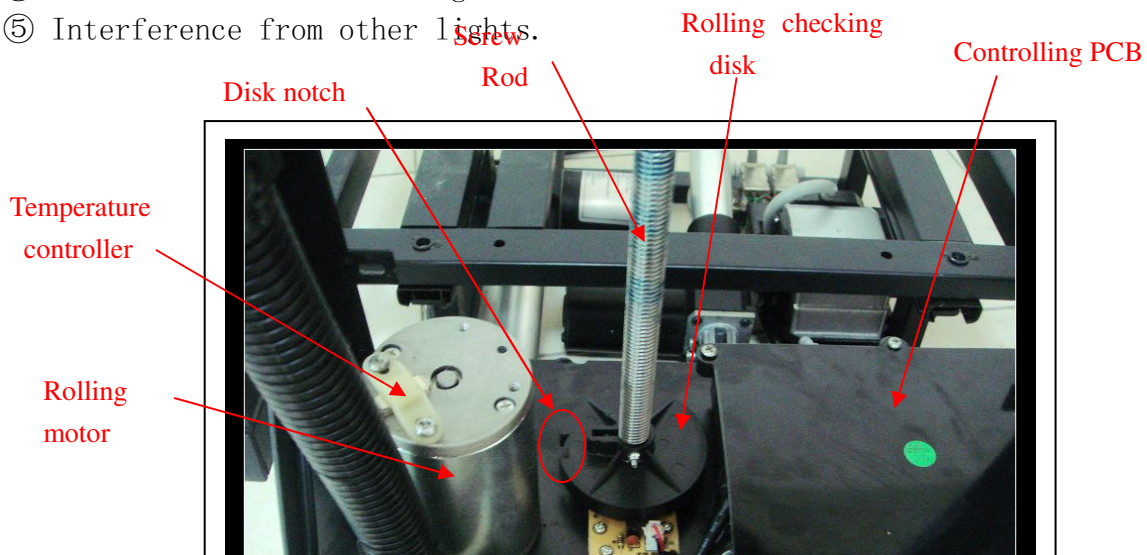
Turn on the “Kneading” function, kneading motor will make the big kneading wheel rotate by belt transmission, make the kneading axis rotate by transmission mechanism inside the robot, and kneading axis make the robot arm to fulfill kneading function. When kneading axis rotates for one circle, it will make the width checking disk pass the photoelectric switch in the kneading checking PCB to check if the kneading function is normal. It will get alarm “beep, beep, beep” under the conditions below:

- ①Kneading motor can not rotate(it is bad or connection is loose)、kneading belt is loose、transmission mechanism inside the robot is bad 、kneading axis can not rotate, kneading checking disk can not rotate. This will make PCB can not get the signal of kneading and get alarm
- ②Do not fix the kneading checking disk in the right position or the material is aging, so cannot block the infrared thread from photoelectric switch so PCB can not get the signal
- ③The parts in width checking PCB is bad, especially checking the photoelectric switch is bad or have dust
- ④The wire of width checking PCB is loose and/or bad.
- ⑤Interference from other lights.

2、 Tapping function:

Turn on the “Tapping” function, tapping motor will make the tapping wheel rotate by belt transmission, make the tapping axis rotate by transmission, and tapping axis make the robot arm to fulfill tapping function. When tapping wheel rotates for one circle, it will make the tapping checking part pass the photoelectric switch in the width checking PCB to check if the tapping function is normal. It will get alarm “beep, beep, beep” under the conditions below:

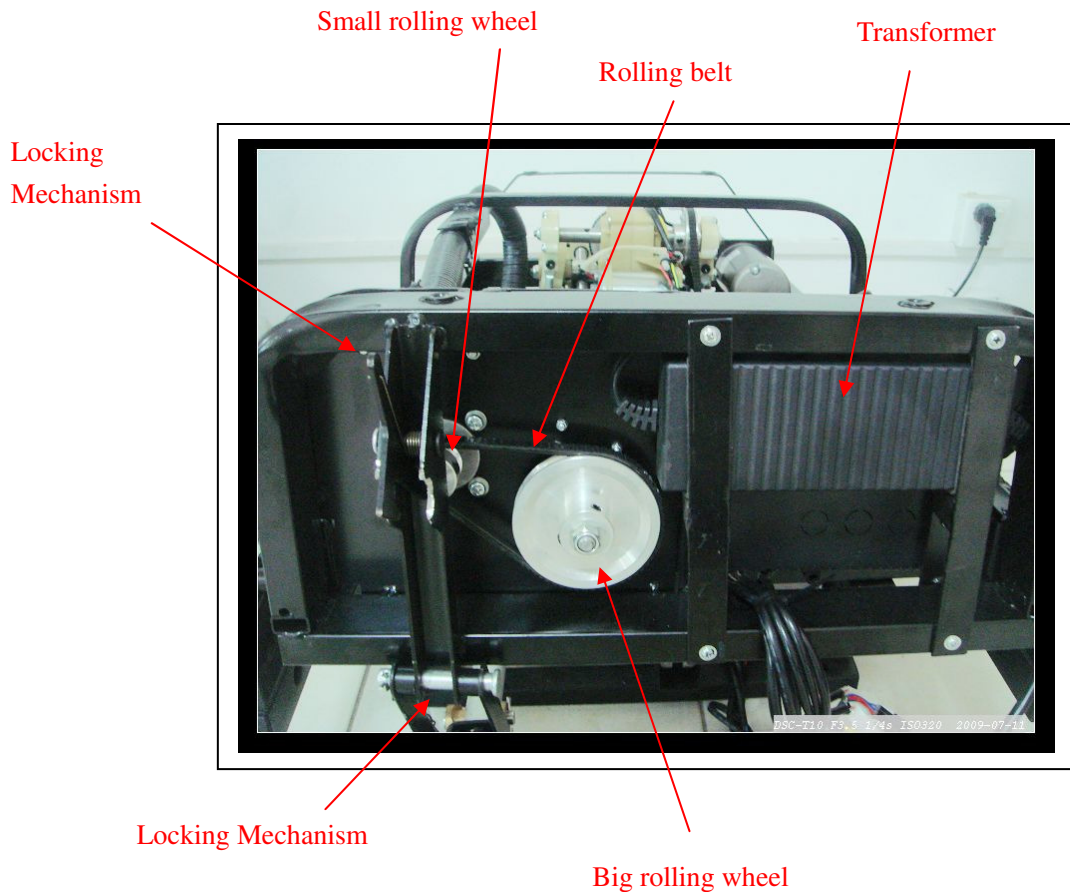
- ①Tapping motor can not rotate(it is bad or connection is loose)、tapping belt is loose、tapping axis can not rotate、tapping checking part is loose, This will make PCB can not get the signal of tapping and get alarm
- ②Do not fix the tapping checking disk in the right position or the material is aging, so cannot block the infrared thread from photoelectric switch so PCB can not get the signal
- ③The parts in width checking PCB is bad, especially checking the photoelectric switch is bad or have dust
- ④ The wire of width checking PCB is loose and/or bad
- ⑤ Interference from other lights.



Repair Manual

Rolling checking
PCB

Rolling checking wire
connected to PCB CN3



Rolling Mechanism Photo

3、Rolling function:

Press the button of “ZONE” or “UP/DOWN”, rolling motor will make the big rolling wheel rotate by belt transmission, make the screw rod rotate, so robot will roll up and down. When screw rod rotates for one circle, it will make the rolling checking disk pass the photoelectric switch in the rolling checking PCB to check if the rolling function is normal. It will get alarm “beep, beep, beep” under the conditions below:

- ① Rolling motor can not rotate (it is bad or connection is loose)、Rolling belt is loose、screw rod can not rotate、rolling checking disk can not rotate. This will make PCB can not get the signal of rolling and get alarm
- ② Do not fix the rolling checking disk in the right position, so cannot block the infrared thread from photoelectric switch so PCB can not get the signal
- ③ The parts in rolling checking PCB is bad, especially checking the photoelectric switch is bad or have dust

Repair Manual

④The wire of rolling checking PCB is loose and/or bad.

⑤Interference from other lights.

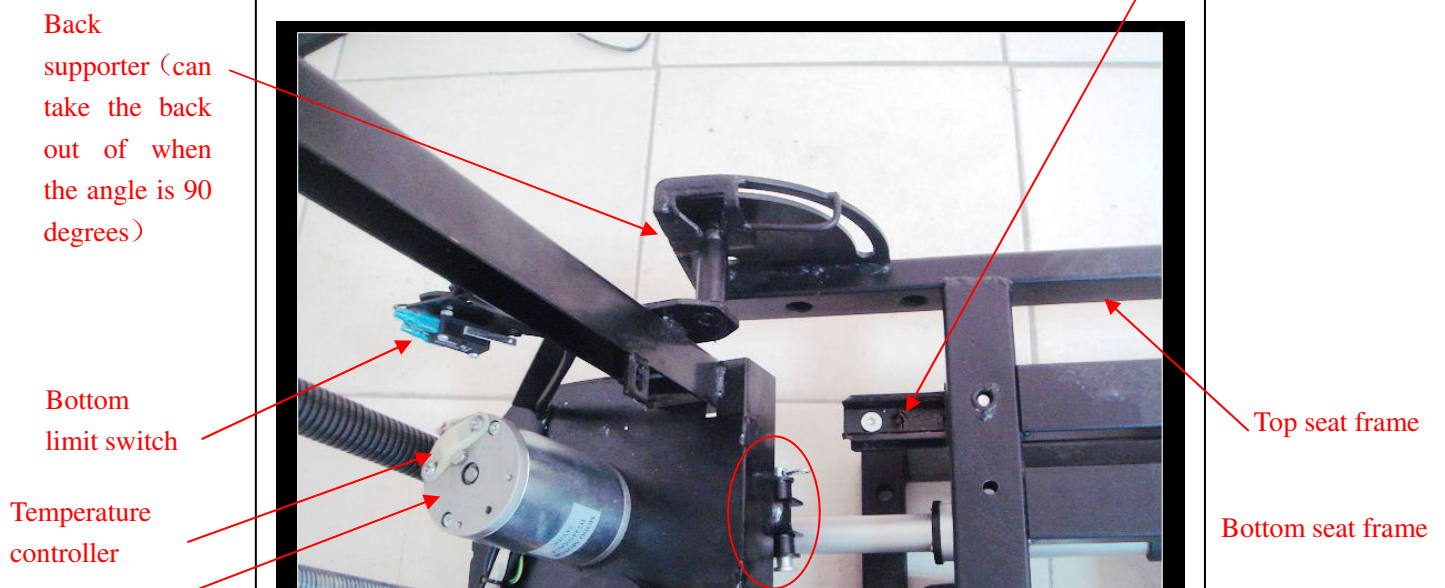
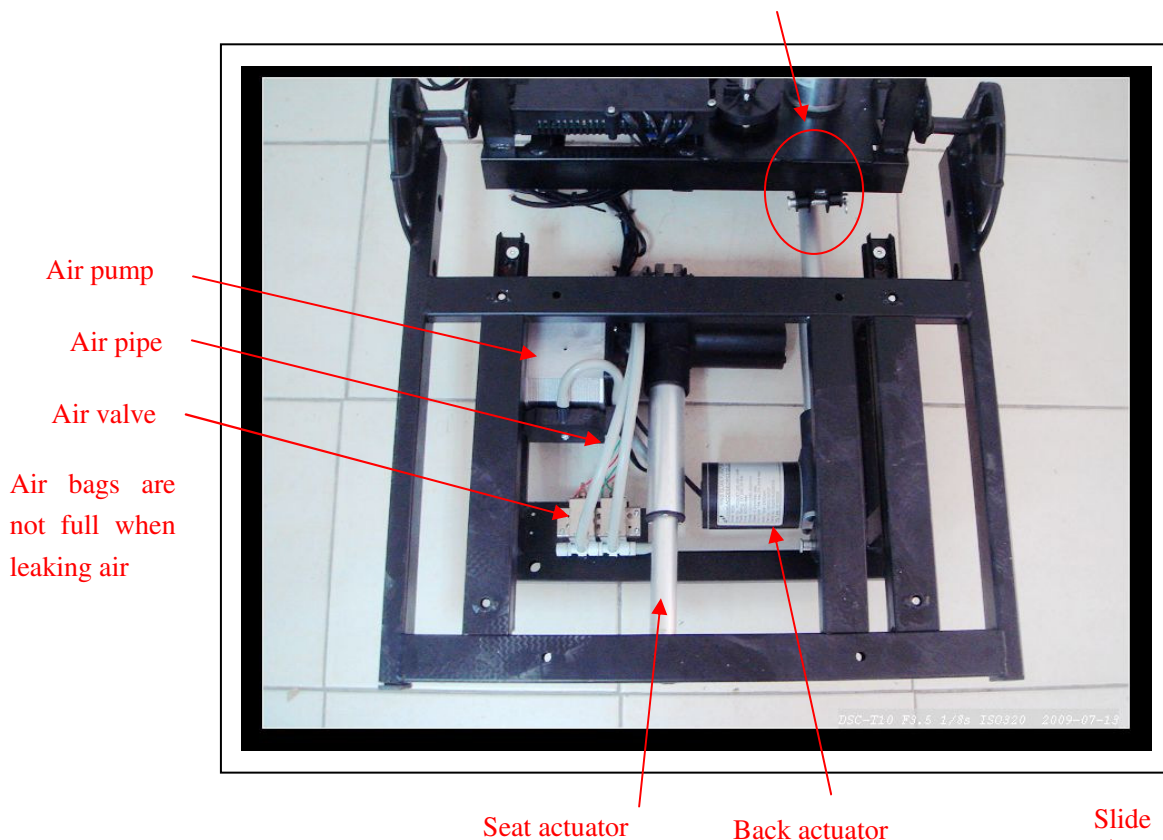
4、 Limit Switch:

①If limit switch has short-circuit, the robot will go beyond the switch, rolling motor will be stalled. After 10 seconds, remote will alarm “beep, beep, beep

②If the bottom limit switch has open-circuit, the robot will stop at the position of up limit switch, if the up limit switch has open-circuit, it is on the contrary. The relay in controlling PCB will alarm “da, da, da - ”. Please note there has no alarm in the remote.

5、 Seat Frame:

Locking
mechanism



Repair Manual

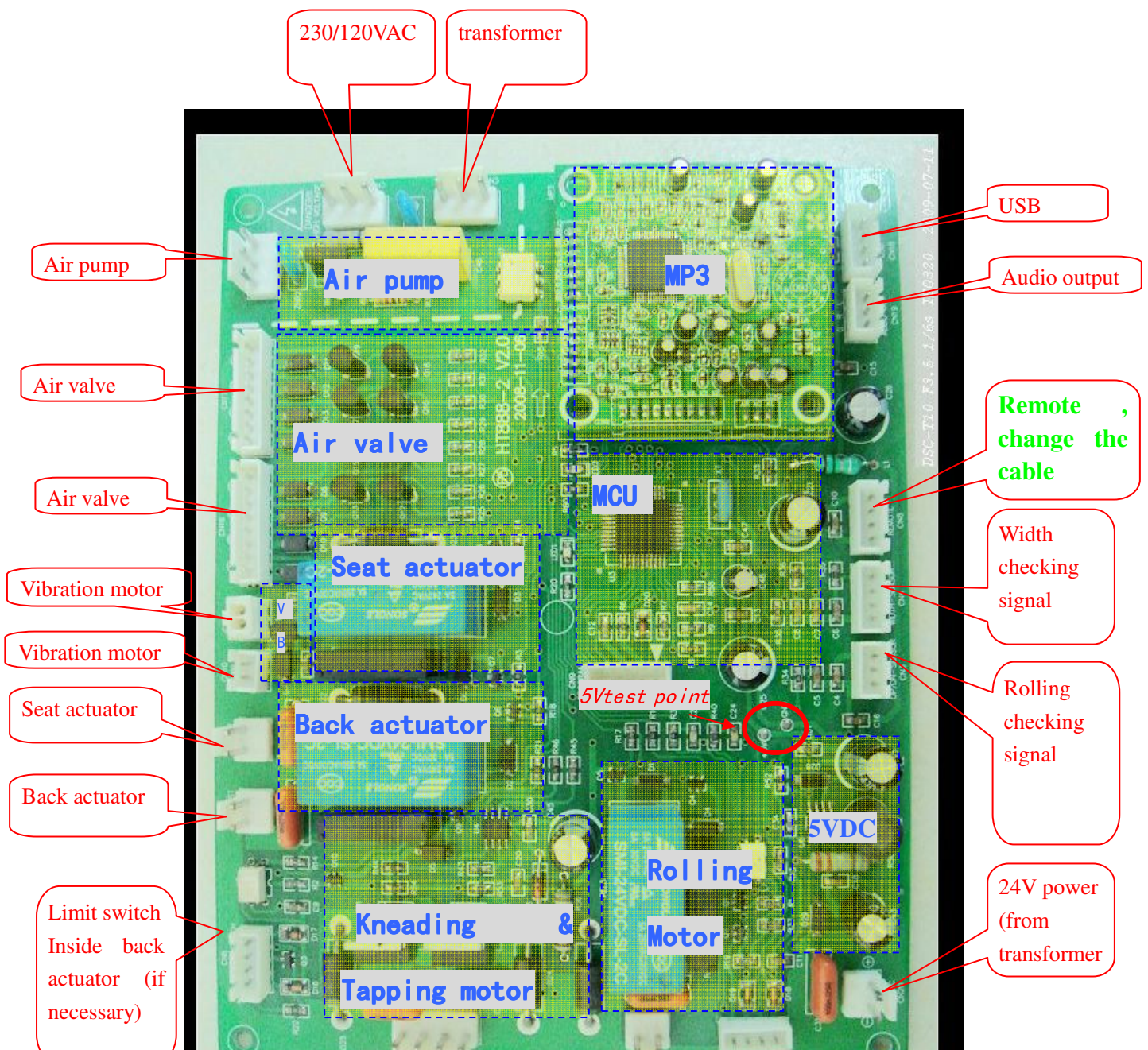
Rolling
Motor

Locking mechanism

Seat Frame

二、Circuit

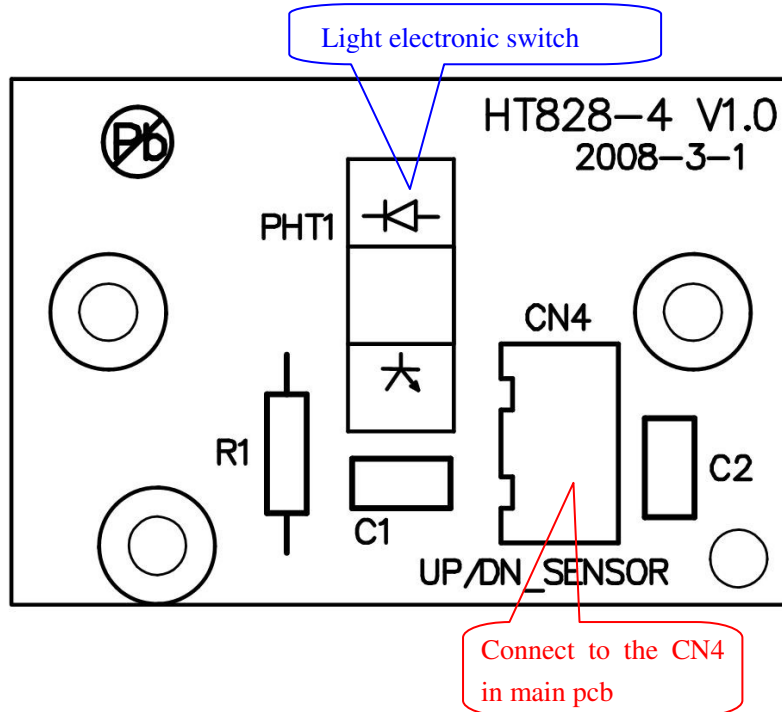
1. Connector:



Repair Manual

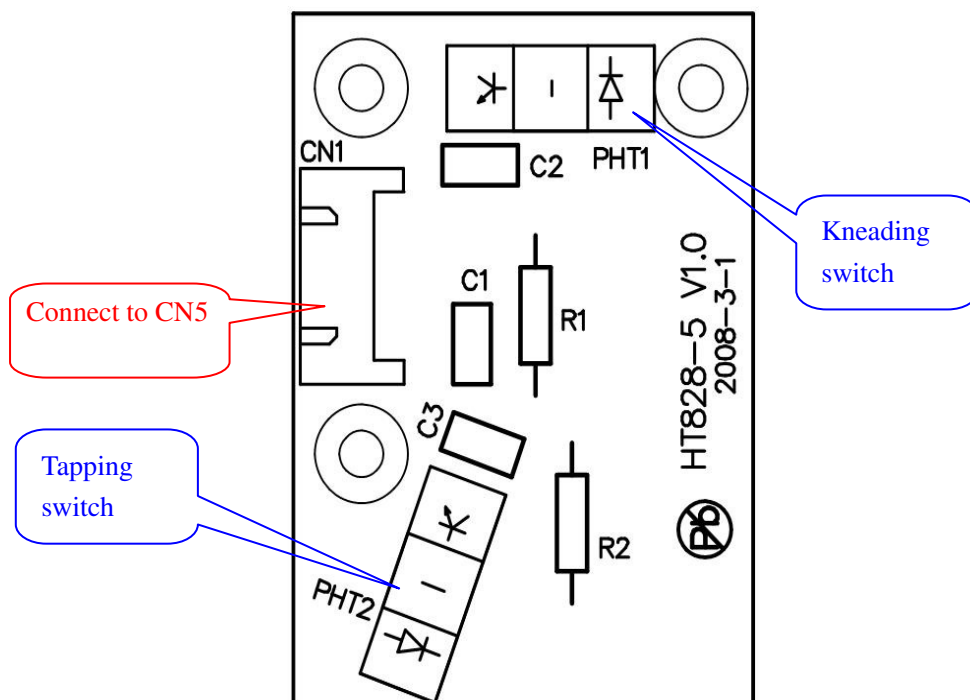
2. Rolling board:

Rolling board responsible for the location of the massage mechanism and send the message to the CN4 in the main pcb board. If this board has problem the main pcb would not receive the message and it would alarm.



3. Kneading and tapping board:

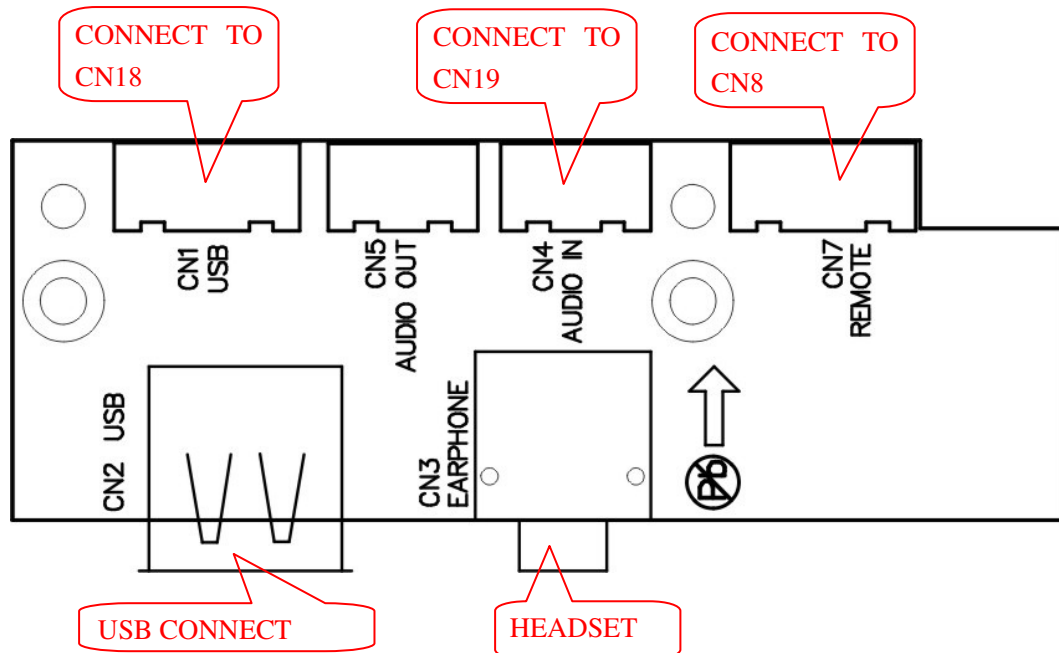
The knead function would test the signal of width of the kneading, Tapping function test the tapping motor signal and send the message to the CN5. It would alarm once has problem.



Repair Manual

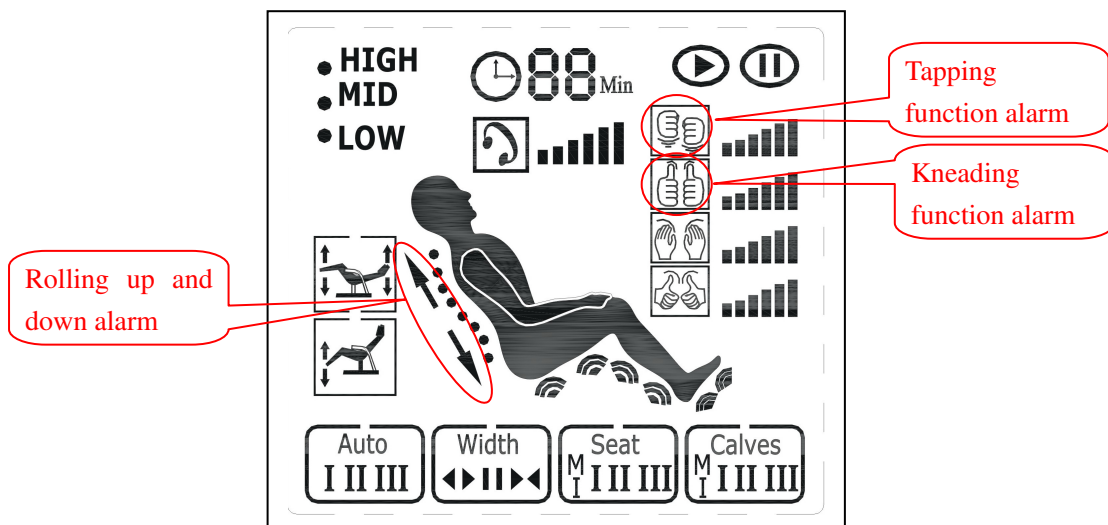
4. Connect board:

It include the connection of the controller ,USB, headset. This has problem usually because of not connecting well.



5. Remote controller alarm instructions:

The main control pcb board has the function of protecting itself. Once the kneading motor, tapping motor, rolling motor, wires and small component broken, the main pcb board would stop itself in order to not make even more danger and also the remote control would alarm and make a noises of 'di-di-di' Then you can see the remote screen to find what function problem.



Repair Manual

三、:

After power on, the massage mechanism would go up to the top automatically. The remote control can not work when it flash. When it finished it can work.

Phenomenon	Reason	Method
POWER ON, NOTHING HAPPEN		Voltage can not low 10% of rating voltage
	Power off in the connect board	Power on or change a new one
	Fuse broken	Change a new fuse
	The voltage output not normal	Take out the CN20 connector , test whether the out voltage between 20-25 voltage. Otherwise should change the transformer
	Main board broken (usually the led light at the board should flash)	1、 Check all small component in the main pcb board connect well; 2、 Check whether it has 5 volt in the 5 volt test point in the main pcb board 3、 Change a new main pcb board
Power on, the remote LED flash , but the massage mechanism not go up.	The wire which connect the kneading motor and rolling motor broken.	Change a new one
	The main pcb board which control kneading or rolling broken	Fix the small component in the main pcb or change an new one.
Power on , remote control nothing happen	Controller wire broken or controller board broken	Change the wire or change a new control
Power on , remote control flash , kneading all the time	Main pcb broken	1、 check whether the FET1,U4 connect well; 2、 FET1 broken3、 change the main pcb
Tapping out of control, working all the time	Main pcb broken	1、 check whether the FET2,U4 connect well; 2、 FET1 broken3、 change the main pcb
Massage mechanism go to the top and the lowest, rolling motor stop	Massage mechanism can not touch the location switch or the location switch broken	Fix the switch or change it
Mechanism can not go down, "da-da-da" noise happen	Lower switch broken	Check it and change
	Wire broken	1、 check the wire the CN1connect well and the CN1
	Main pcb broken	1 、 check whether the CN1,R1,R13, R19,R37,R39,R40, D18,D19,Q1,Q2,C21,U1connect well ; 2 、 change the main pcb

Repair Manual

Mechanism can not go down, "da-da-da" noise happen	upper switch broken	Check it and change
	Wire broken	1、 check the wire the CN1connect well and the CN1
	Main pcb broken	1 、 check whether the CN1,R1,R13, R19,R37,R39,R40, D18,D19,Q1,Q2,C21,U1connect well ; 2 、 change the main pcb
	Rolling wire broken	Check whether connect well of broken : change it
	Rolling sensor board broken	1 、 light electronic switch dusty: chean it 2、 Around the light electronic switch should not have the infrared ray such as sunshine and lamplight; 3、 rolling sensor broken: change;
	Main pcb broken	Check whether the CN3 and R34 C4 and C5 connect well
	Rolling motor broken	Check the wire and temperature well
	Load too much	lower
	others	1、 rolling belt displace; 2、 working voltage too low
	Width test wire broken	Check whether connect well of broken : change it
	Width testing board broken	1、 PHT1dusty: clean it; 2、 Around the light electronic switch should not have the infrared ray such as sunshine and lamplight; ; 3、 PHT1problem:change or fix it; 4、 kneading testing board connect well or change
	Main pcb problem	Check the CN4 in main pcb and R35,R36,C6,C7
	Kneading motor problem	Check the motor and wire
	Load too much	Lower load
	others	1、 belt out; 2、 belt wheel not fix well; 3、 voltage too low
	Width testing wire	Check the wire connect well or not ,change
	Width testing board problem	1、 light electronic switch PHT2dusty, clean it 2、 Around the light electronic switch should not have the infrared ray such as sunshine and lamplight; ; 3、 PHT2 problem: change 4、 width test board problem, not connect well

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	Main pcb problem	Check the CN4 and R35,R36,C6,C7 connect well
	Tapping motor problem	Check the motor and wire.
	Load too much, motor not work	Release the load
	others	1、 belt out; 2、 belt wheel not fix well; 3、 voltage too low
Actuator not work	Wire broken	Check the wire connect well or not : change
	Main pcb problem	Check the main pcb : CN6,CN5,R2,R14,R21,R22, D16,D17,U2,Q3,Q6,Q9,Q10 and,CN7,R3,R4, Q7,Q8
	Actuator problem	Change it
Vibration not work	Wire broken	Check the wire connect well or not : change
	Main pcb board	Check the R23,Q11 in main pcb
	Vibration motor problem	Change
Air pump not work	Wire broken	Check the wire connect well or not : change
	Main pcb board	Check the main pcb : R25 ~ R32,Q12 ~ Q19,CN16,CN17.
	Air pump problem	Change
Air sensor not work	Wire broken	Check the wire connect well or not : change
	Main pcb problem	Check the main pcb : R15,R33,U7,TRC1,CN13.
	Air sensor problem	Change
MP3problem	No music	Check the MP3 board(when it work: LED2 in main pcb work, pause or without memory card :the LED2 in main pcb 微亮); check the USB card or the wire connect well.
	Only one side of head has music	Headset not connect well; CN19 connect well
	Music and tapping not go with	Music too loud;