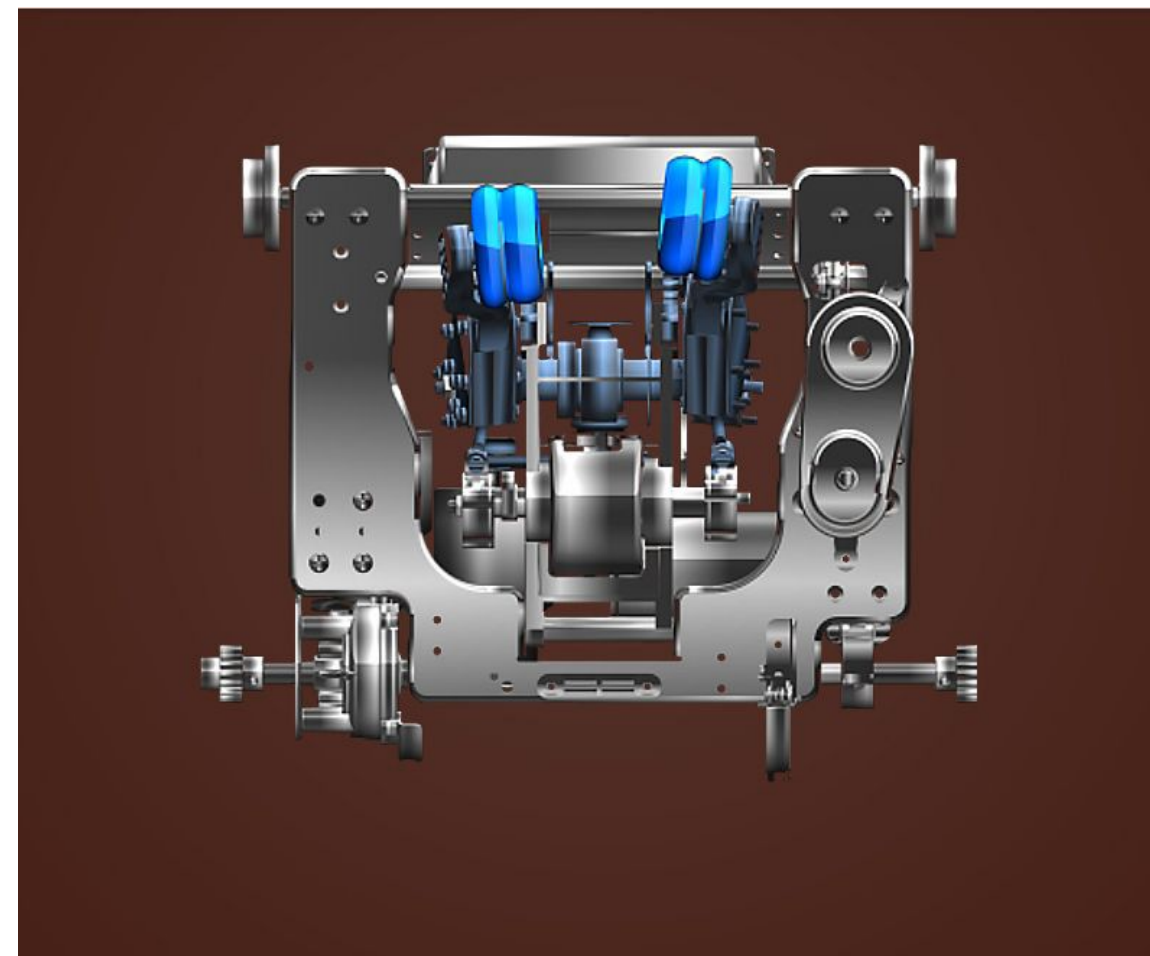
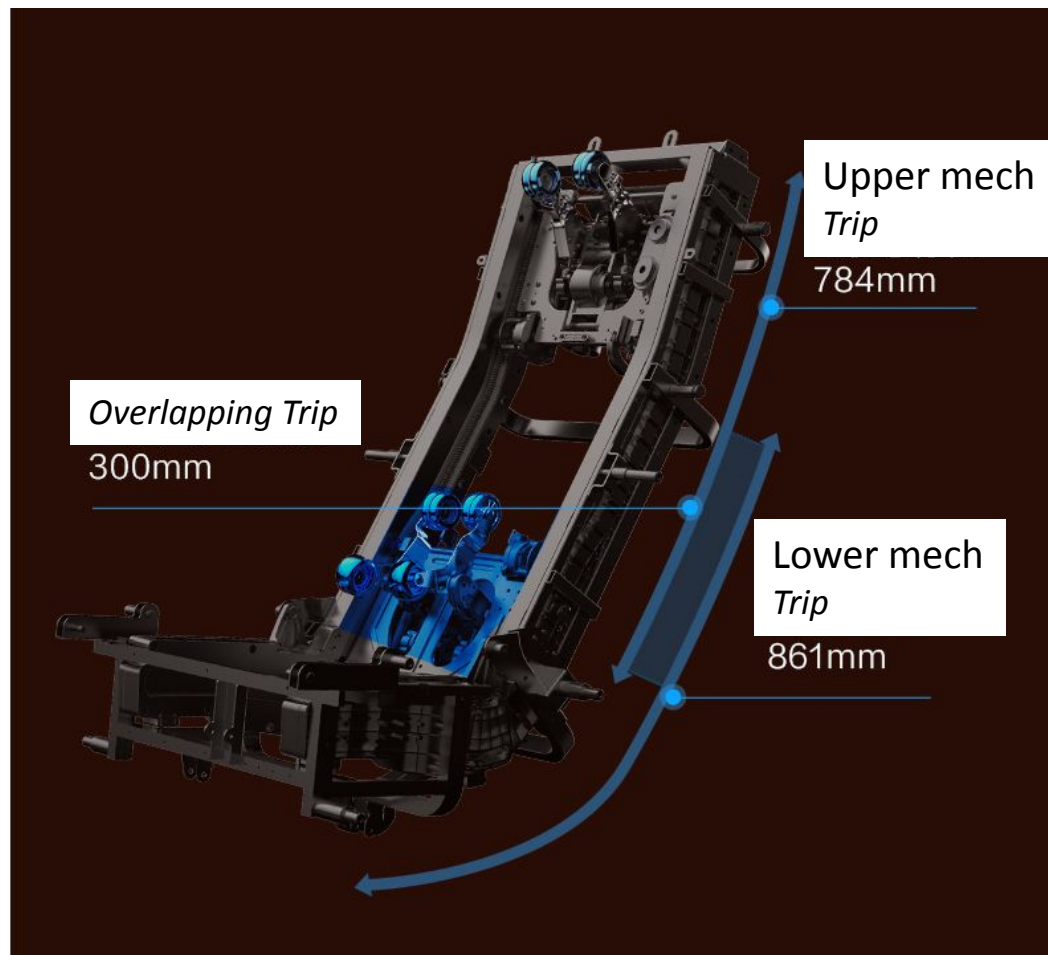
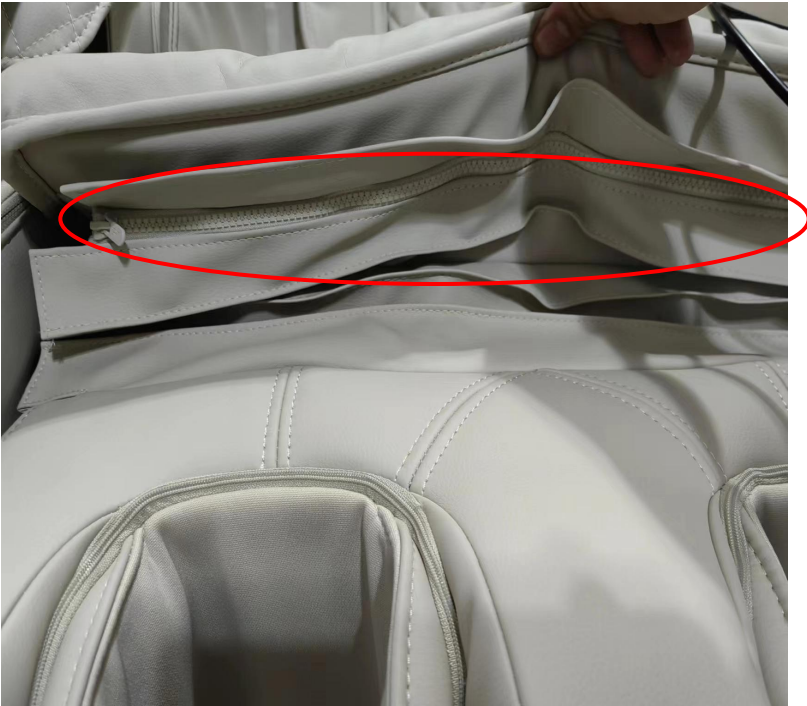




VIVO (RT8901)
massage chair
Service Manual



Legrest uninstall



Pic.1

Unzip the legrest cover
from back cushion as
Pic.1



Pic.2

Take off clips on both sides
as Pic.2



Pic.3

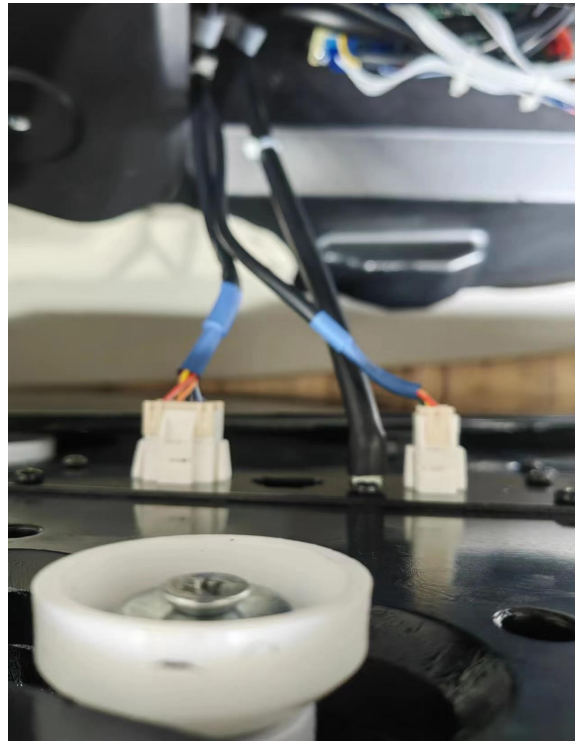
Take off legrest's air tube
& wire connection from
chair body as Pic.3

Armrest uninstall



Pic.1

Remove screws at the front end of armrest as **Pic.1**



Pic.2

Take off air tube & wire connection from chair body as **Pic.2**



Pic.3

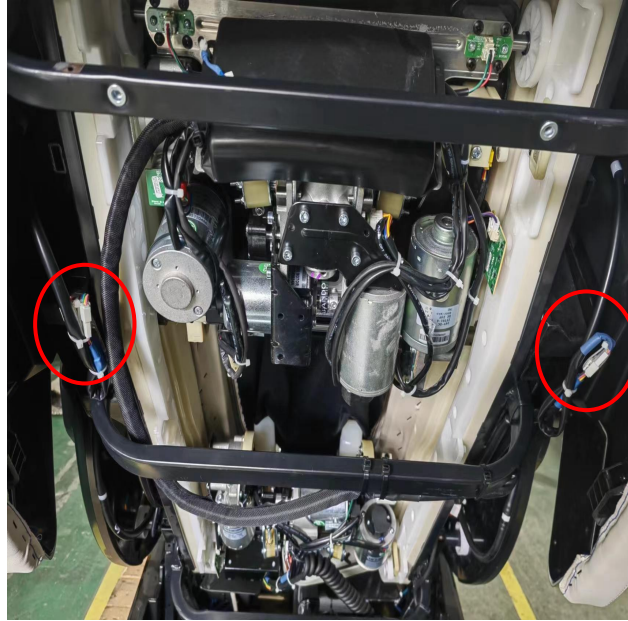
When installing, the iron frame on the armrest should be stuck in the card slot of the chair body as **Pic.3**

Head cover uninstall



Pic.1

Remove screws on back cover as Pic.1



Pic.2

Cut off cable tie and take off wire connection as Pic.2



Pic.3

Unzip shoulder airbag cover as Pic.3



Pic.4

Remove screws on head cover to take it off as Pic.4

Keyboard PCB uninstall



Pic.1

Lift keyboard plate as Pic.1



Pic.2

Remove the screws as Pic.2



Pic.3

Take off connection as Pic.3



Pic.4

Remove screws as Pic.3

Charging PCB uninstall



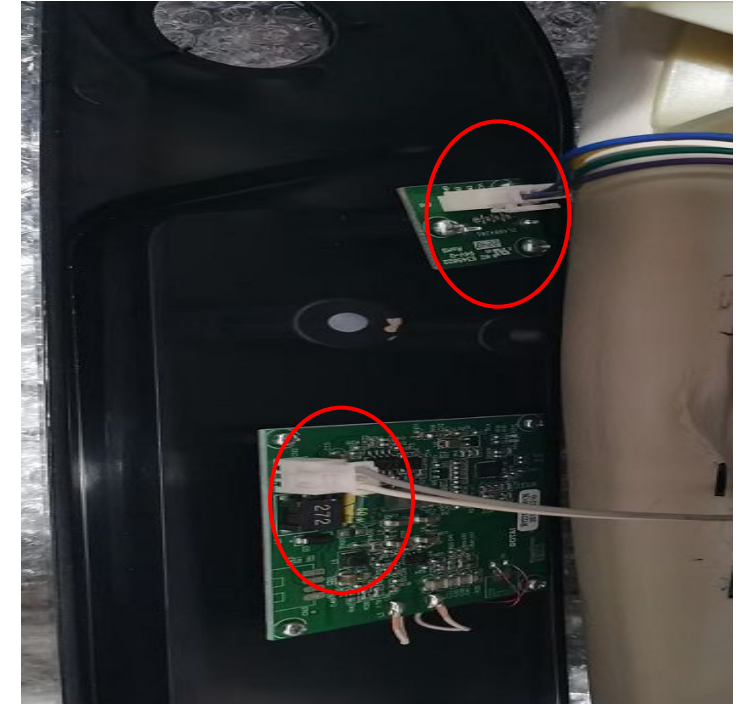
Pic.1

Tear off rubber plate as Pic.1



Pic.2

Remove screws as Pic.2



Pic.3

Take off connection as Pic.3

Power box cover uninstall



Pic.1

Remove 2 screws as Pic.1



Pic.2

Remove 3 screws as Pic.3

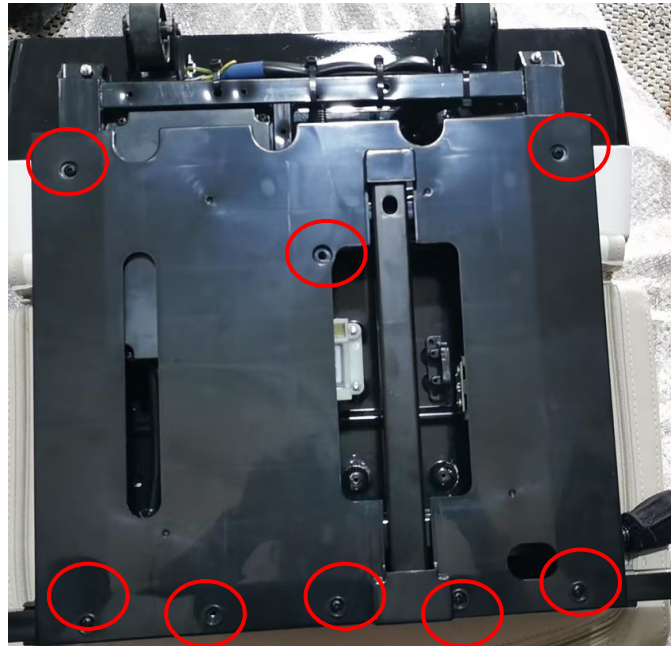
Legrest PCB uninstall

ROTAI
荣泰



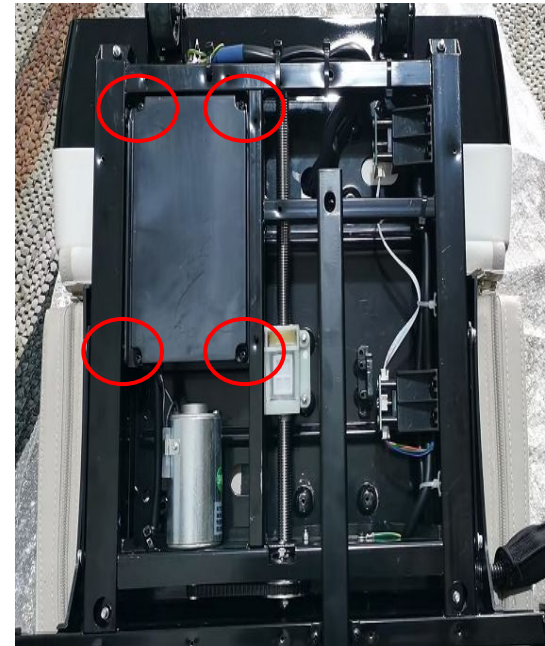
Pic.1

Remove 4 screws
as **Pic.1**



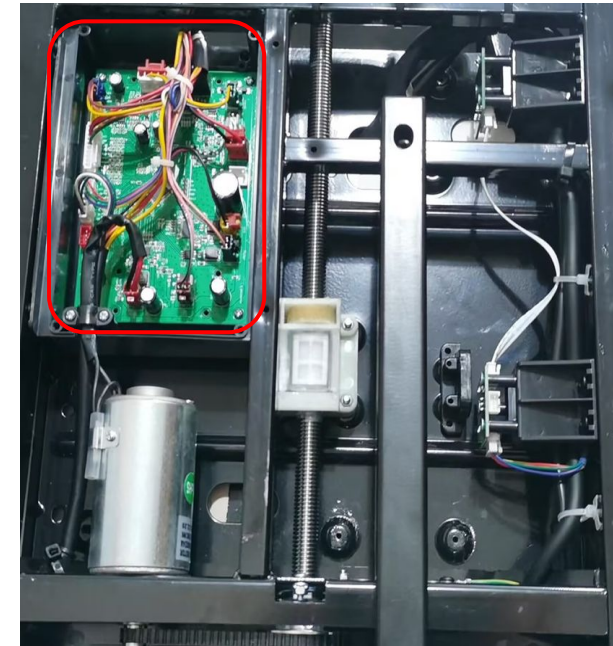
Pic.2

Remove 8 screws
as **Pic.2**



Pic.3

Remove 4 screws
as **Pic.3**



Pic.4

Take off
connection, Remove 4
screws as **Pic.4**

Arm motor uninstall



Pic.1

Unzip
arm PU
cover as
Pic.1



Pic.2

Remove
2 screws
as Pic.2



Pic.3

Remove 4
screws as
Pic.3



Pic.4

Take off
connection
as Pic.4



Pic.5

Remove 3
screws as
Pic.5



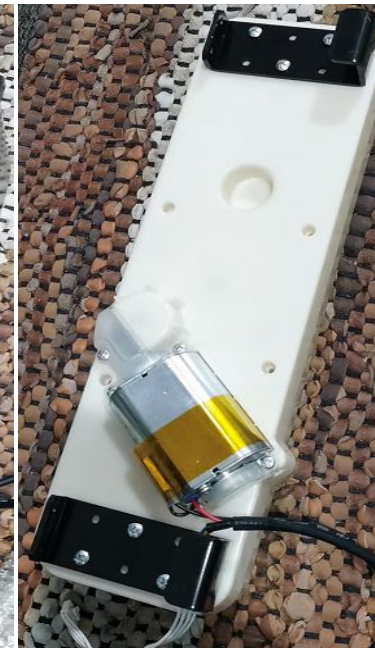
Pic.6

Take off
nails from
leather as
Pic.6



Pic.7

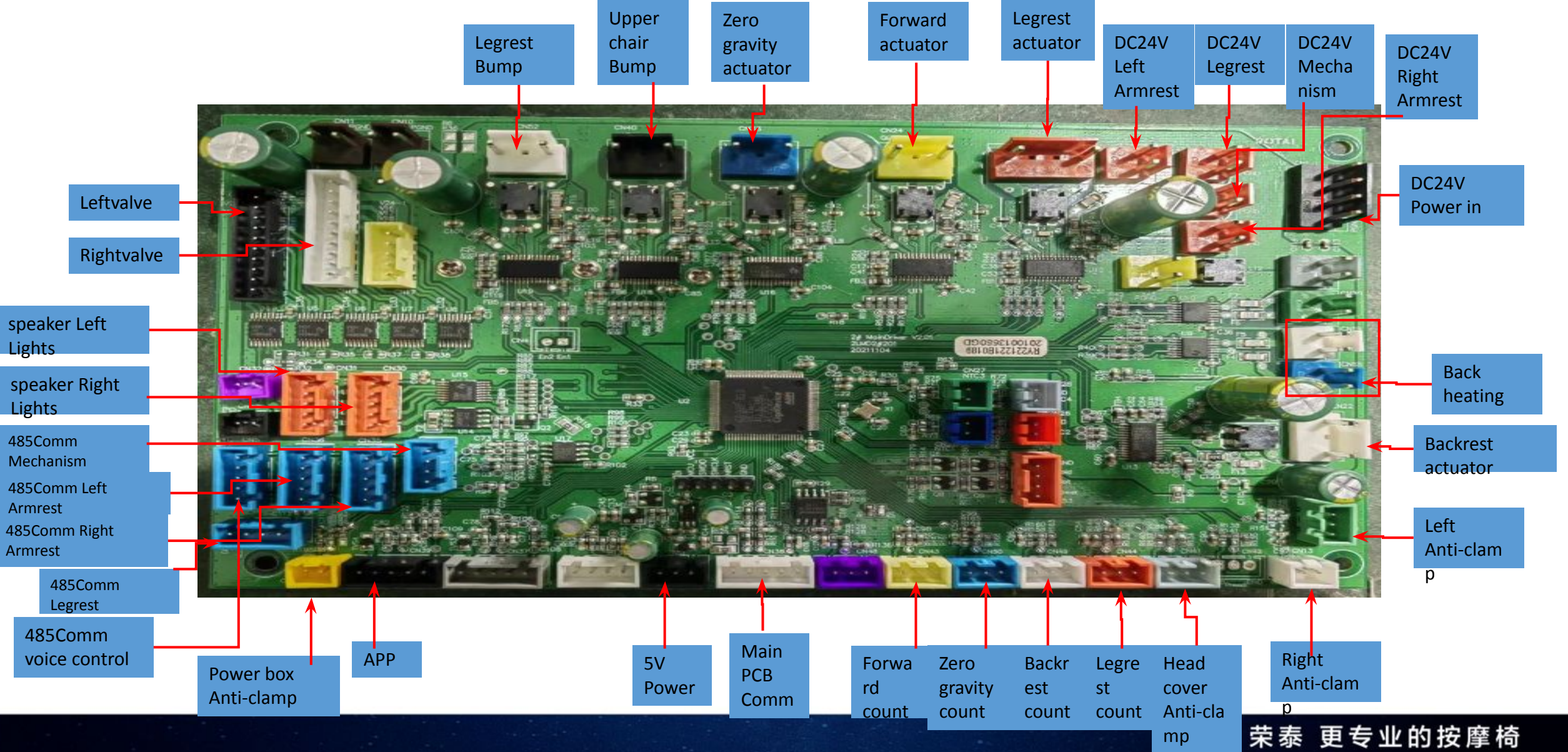
Remove 4
screws as
Pic.7



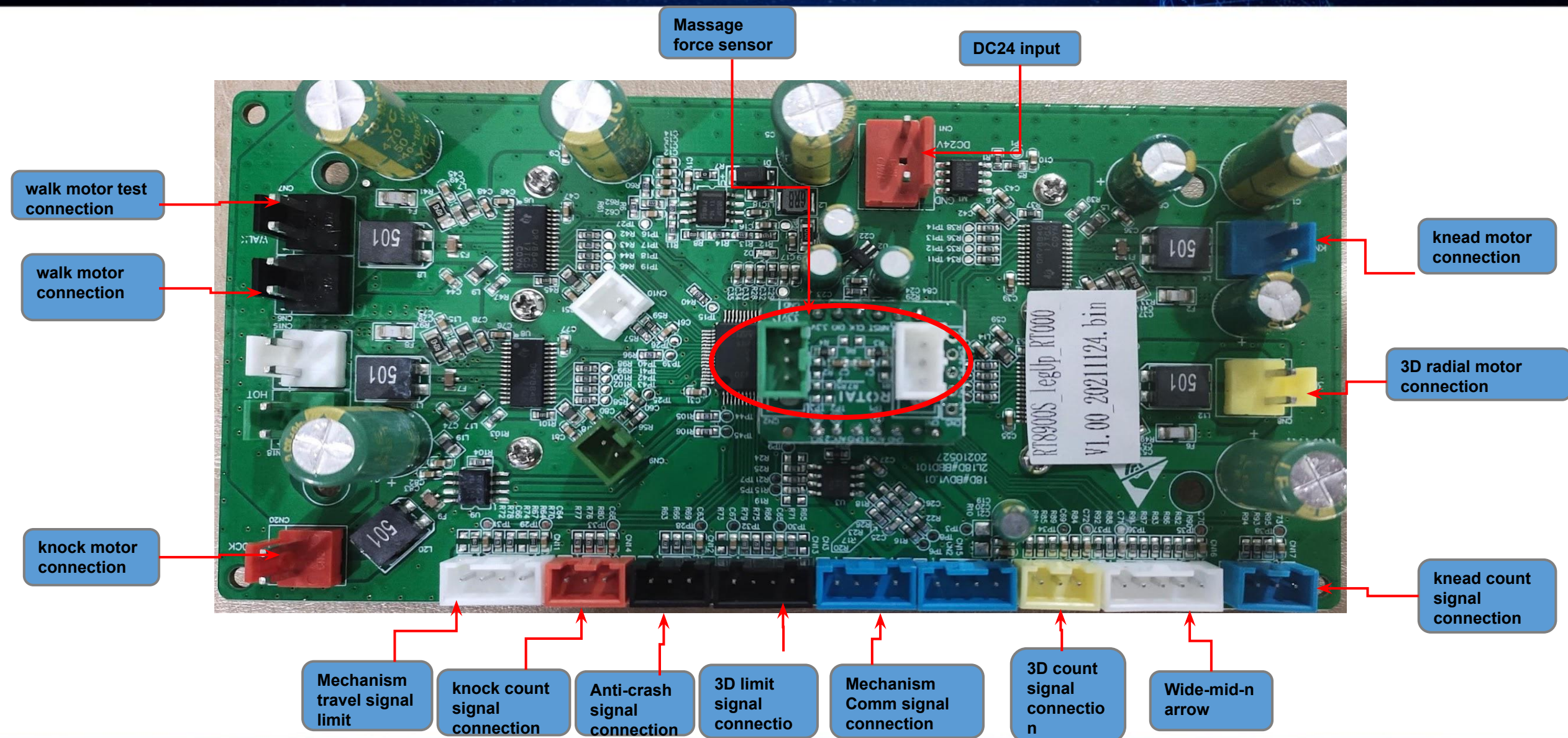
Pic.8

Remove
motor as
Pic.8

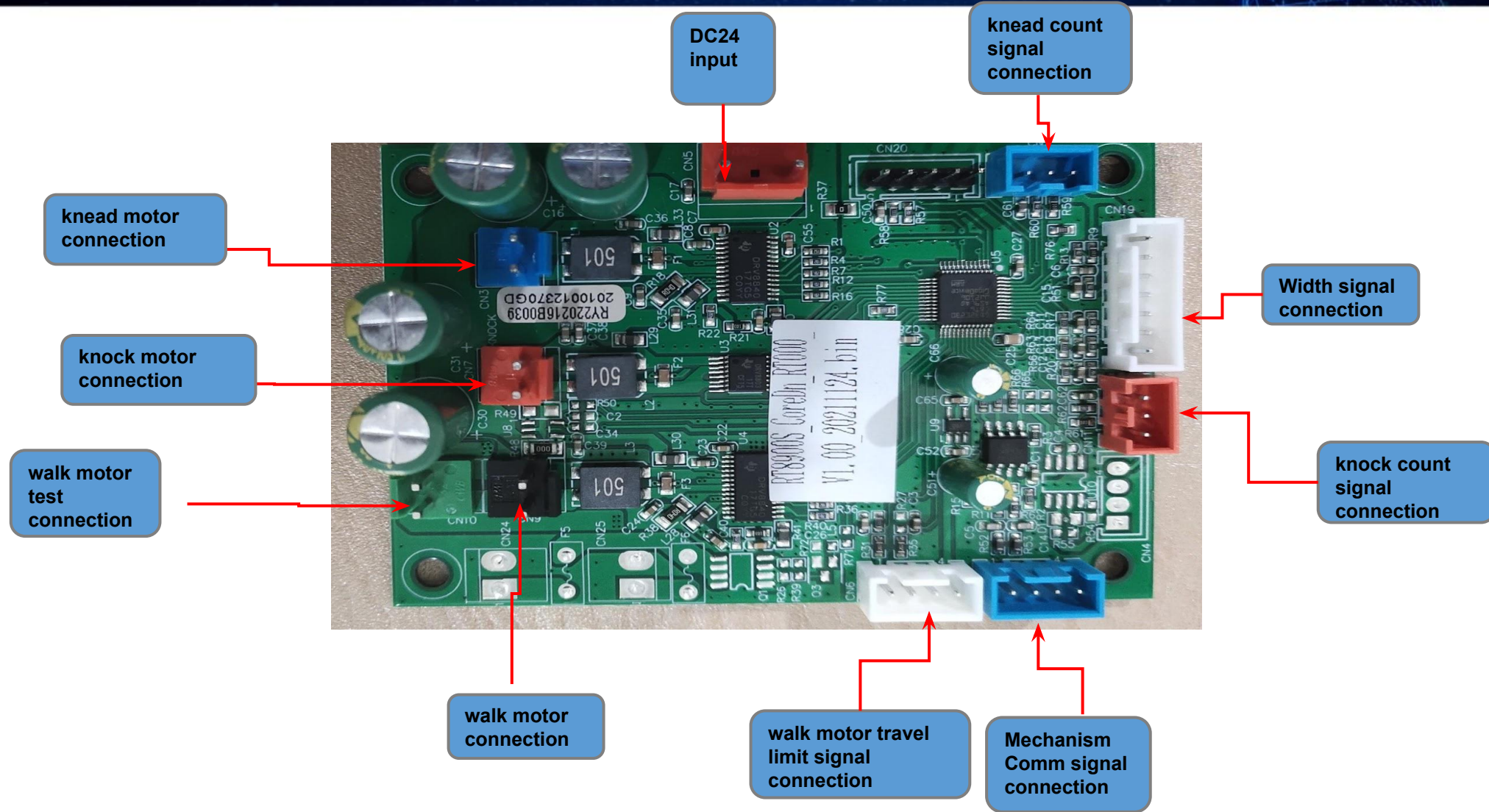
Main PCB instruction Pic.



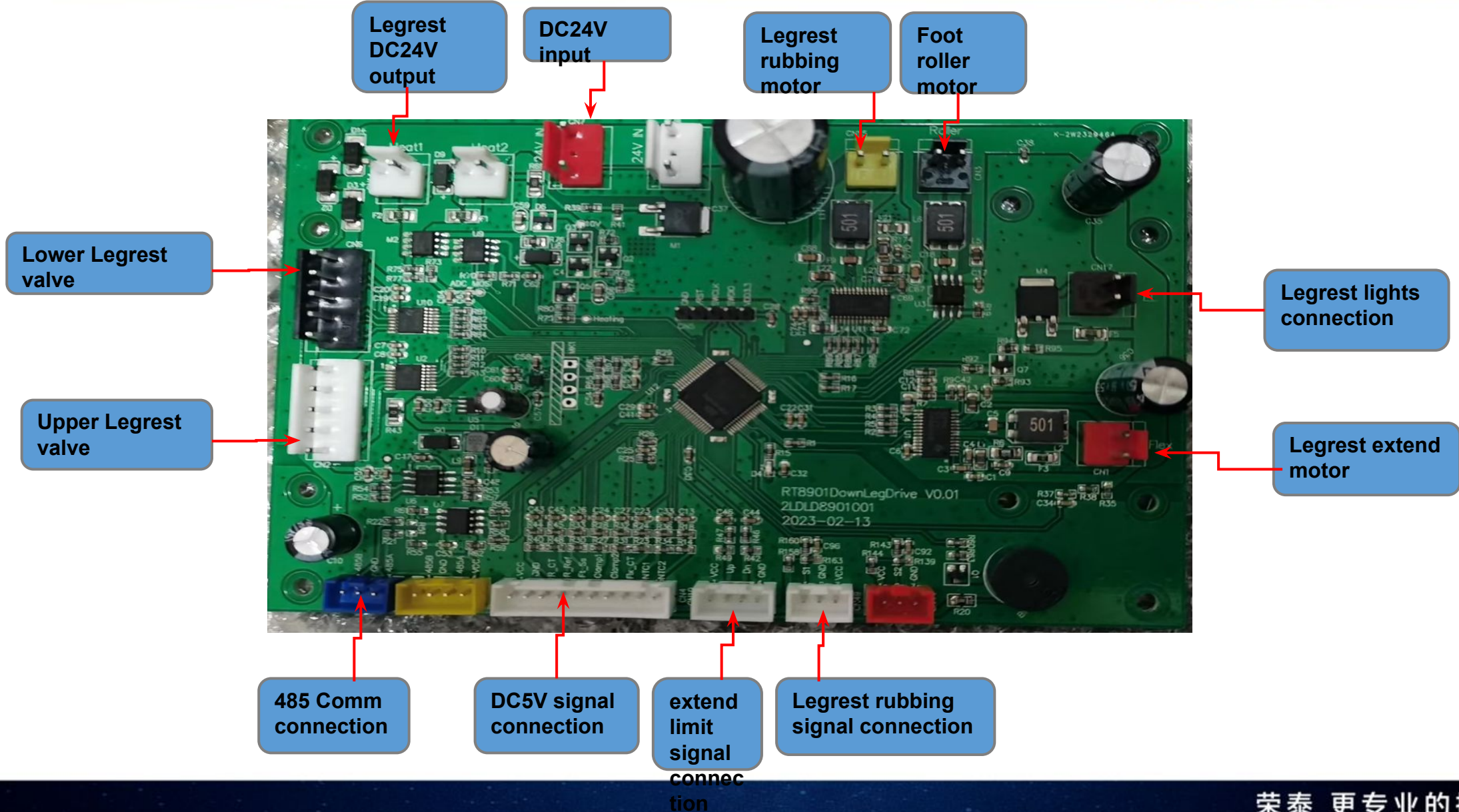
Upper Mechanism InstructionPic.

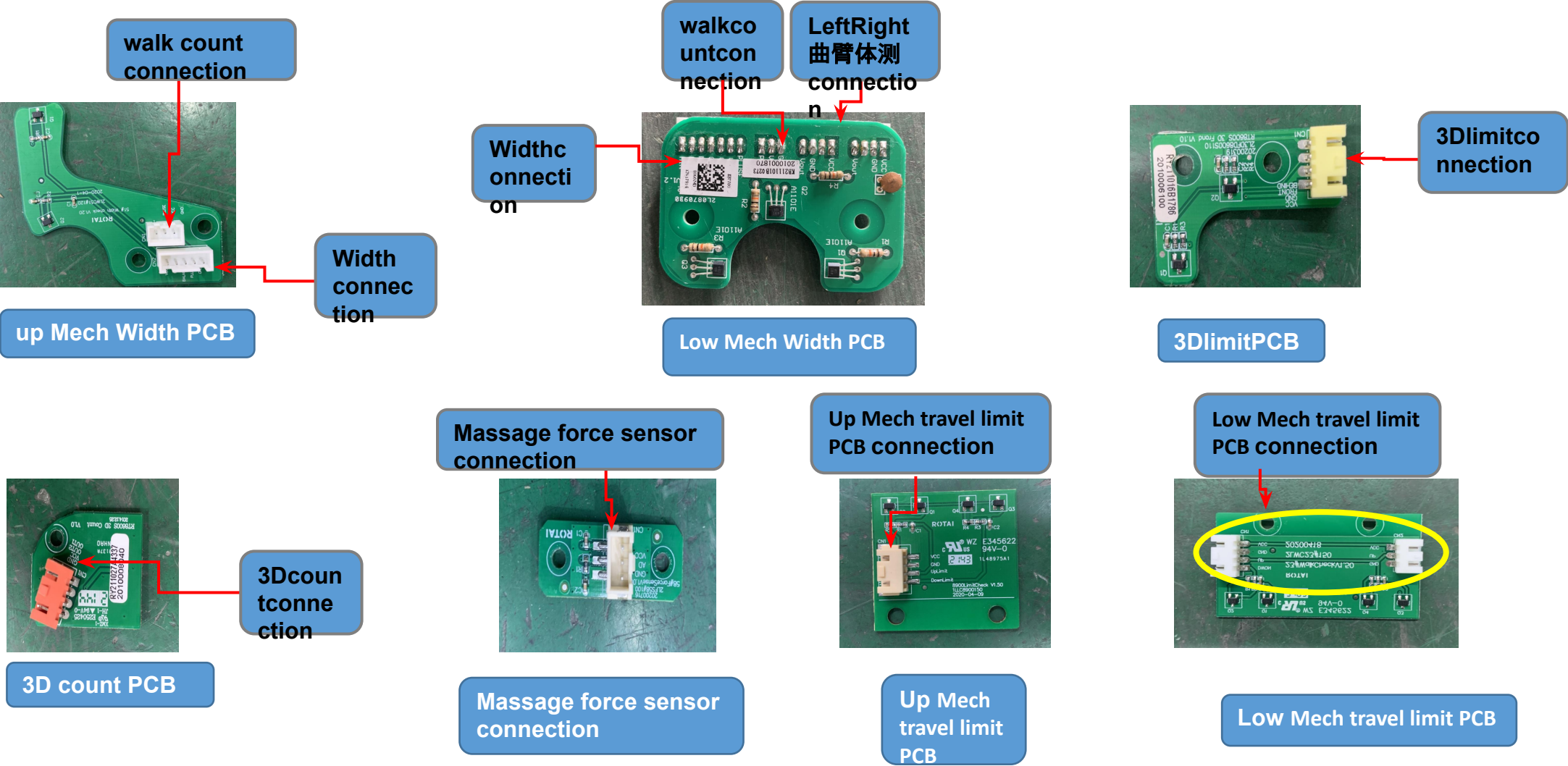


Lower Mechanism Instruction Pic.



Legrest main PCB connection Instruction Pic.





Left & Right Armrest PCB



Health detect PCB, 5V PCB

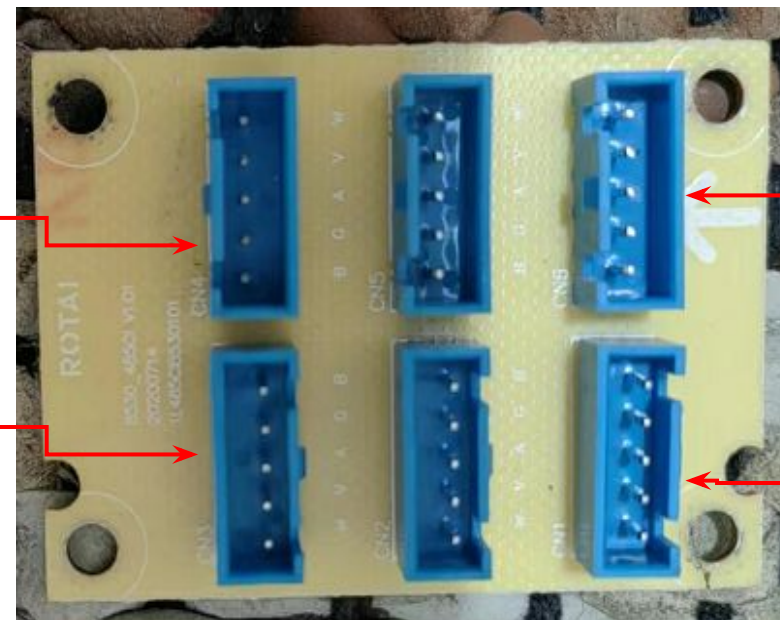


485 Comm
input

Health
detect
Comm

485 Comm
Right
Armrest
PCB
output

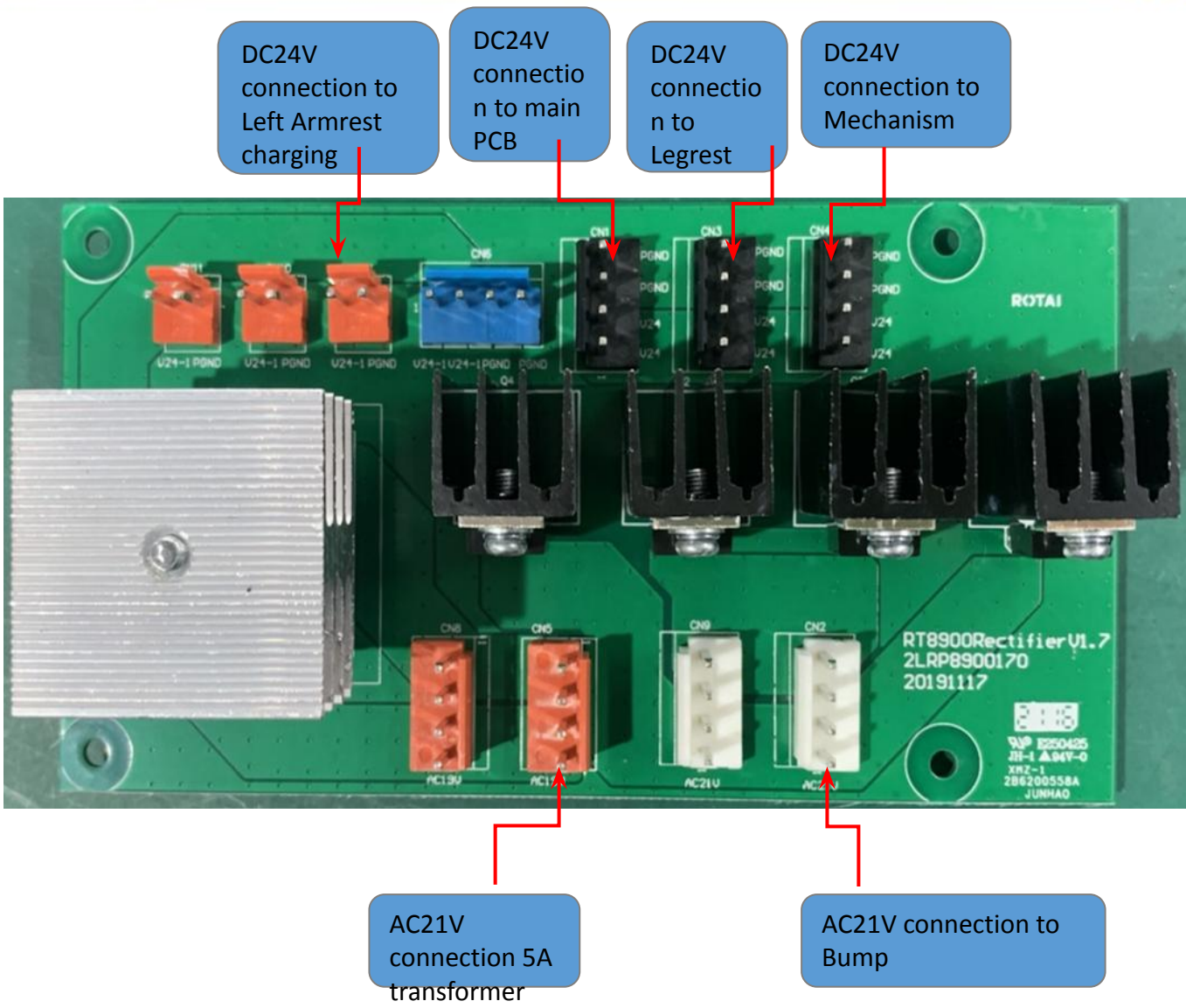
485 Comm
Armrest
keyboard
PCB
output



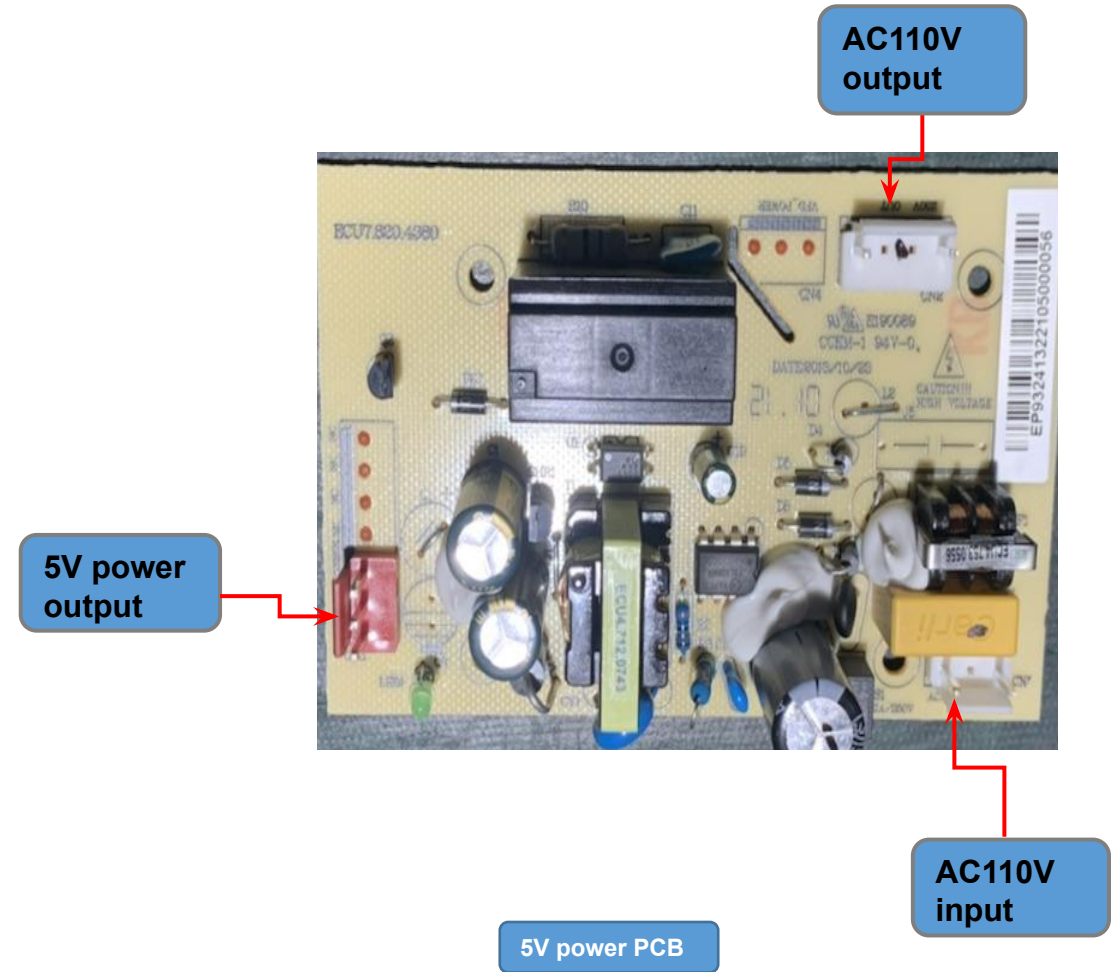
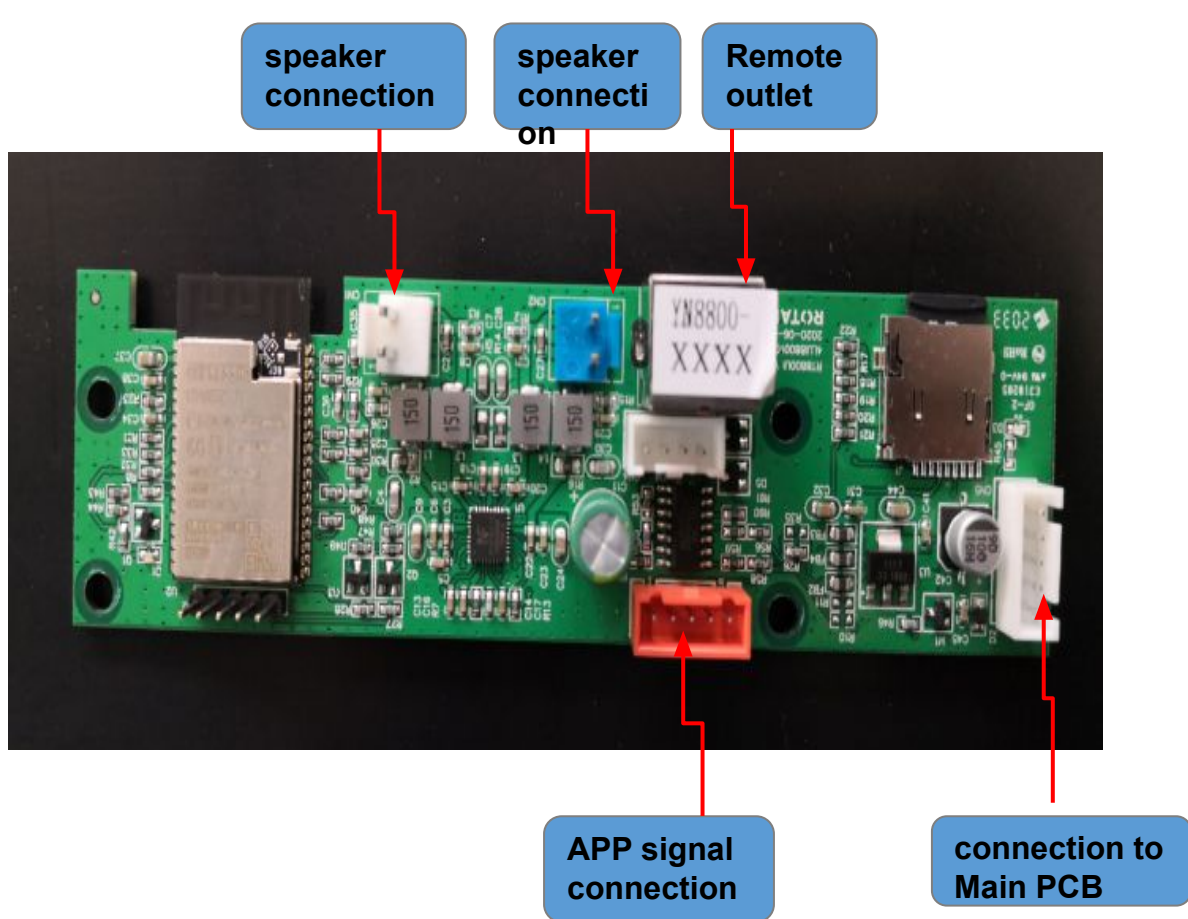
485 Comm
input

485 Health
detect
Comm
output

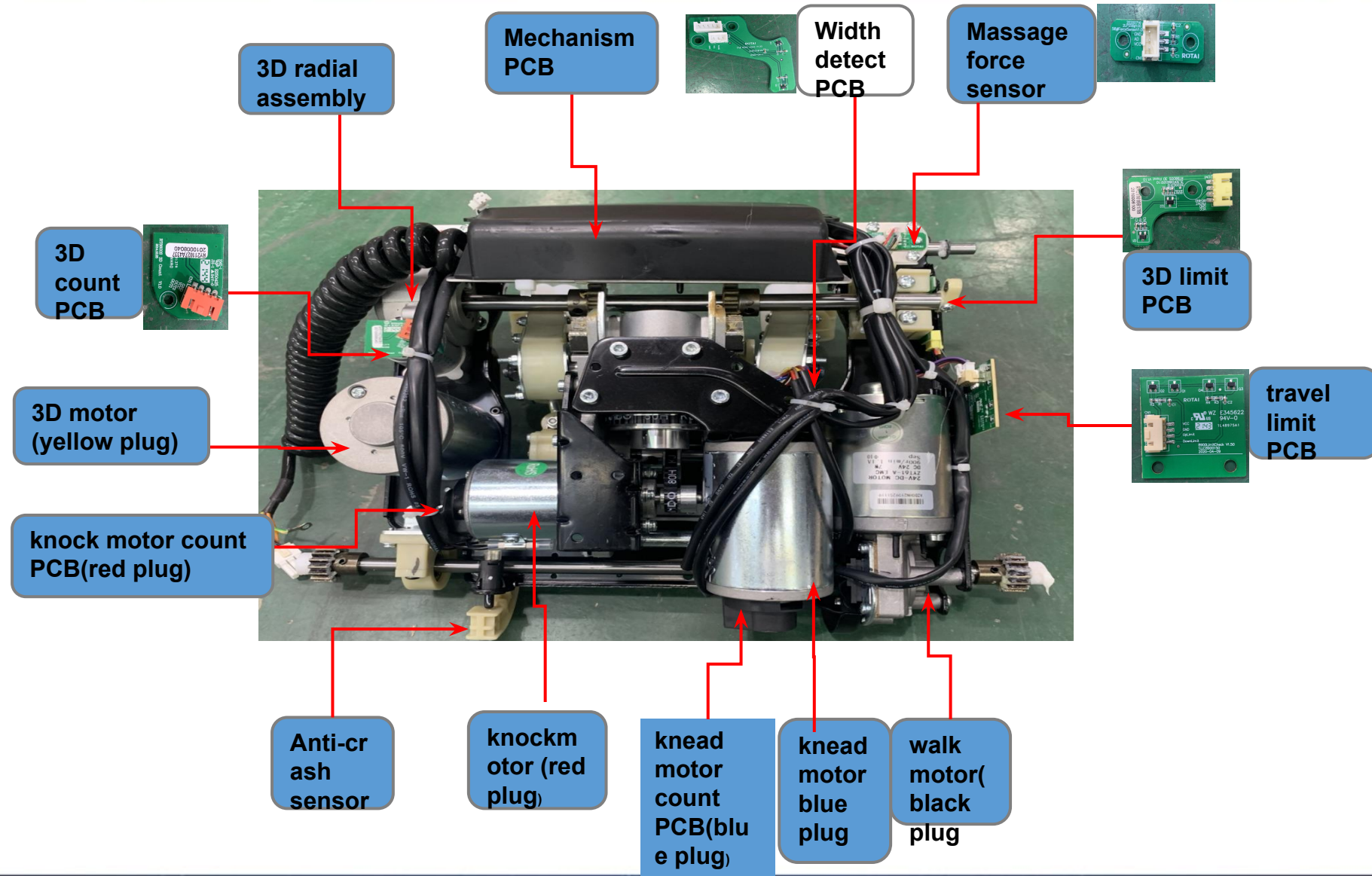
Rectifier connection Instruction Pic.



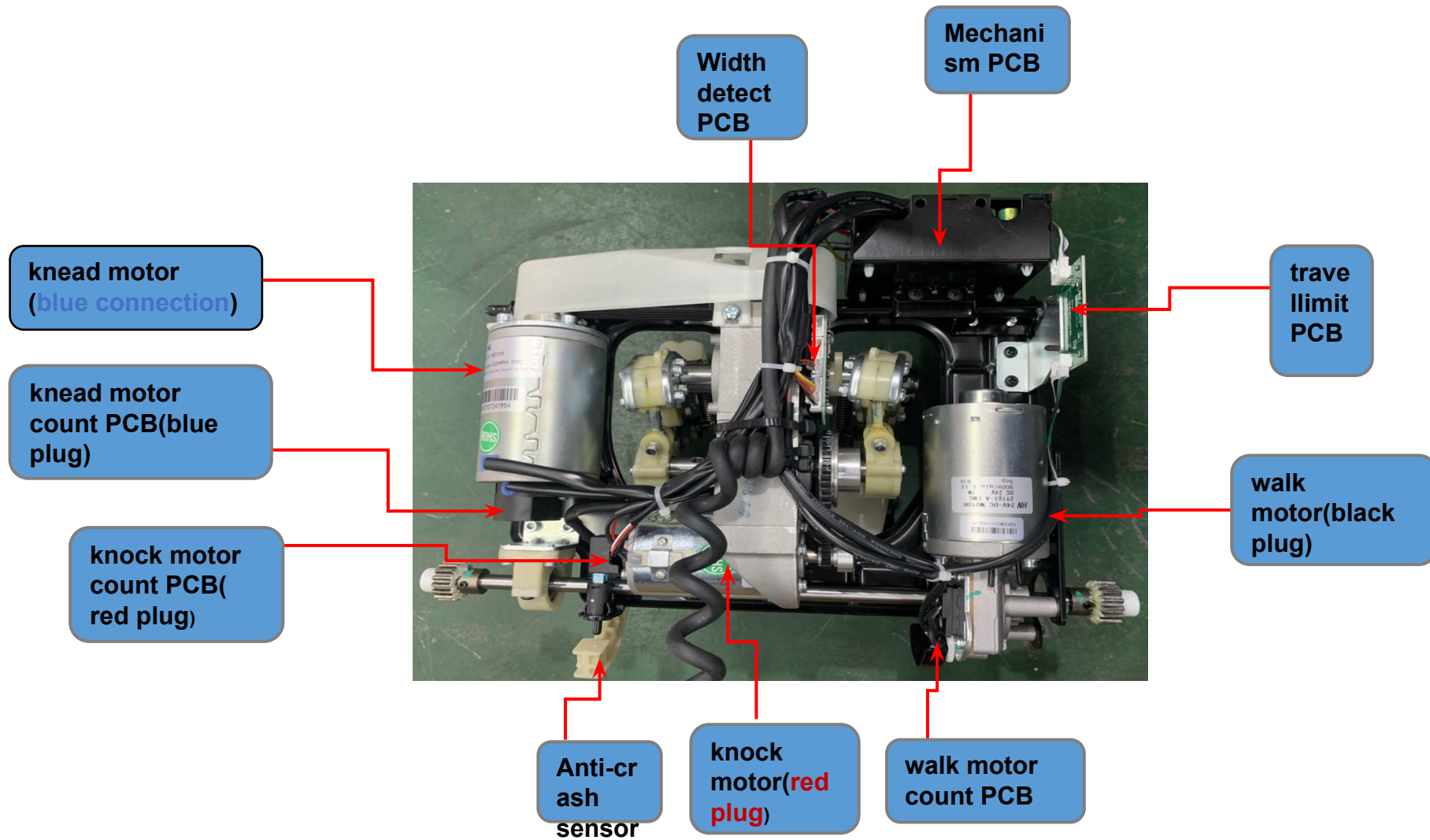
BT board, 5V Power PCB InstructionPic.



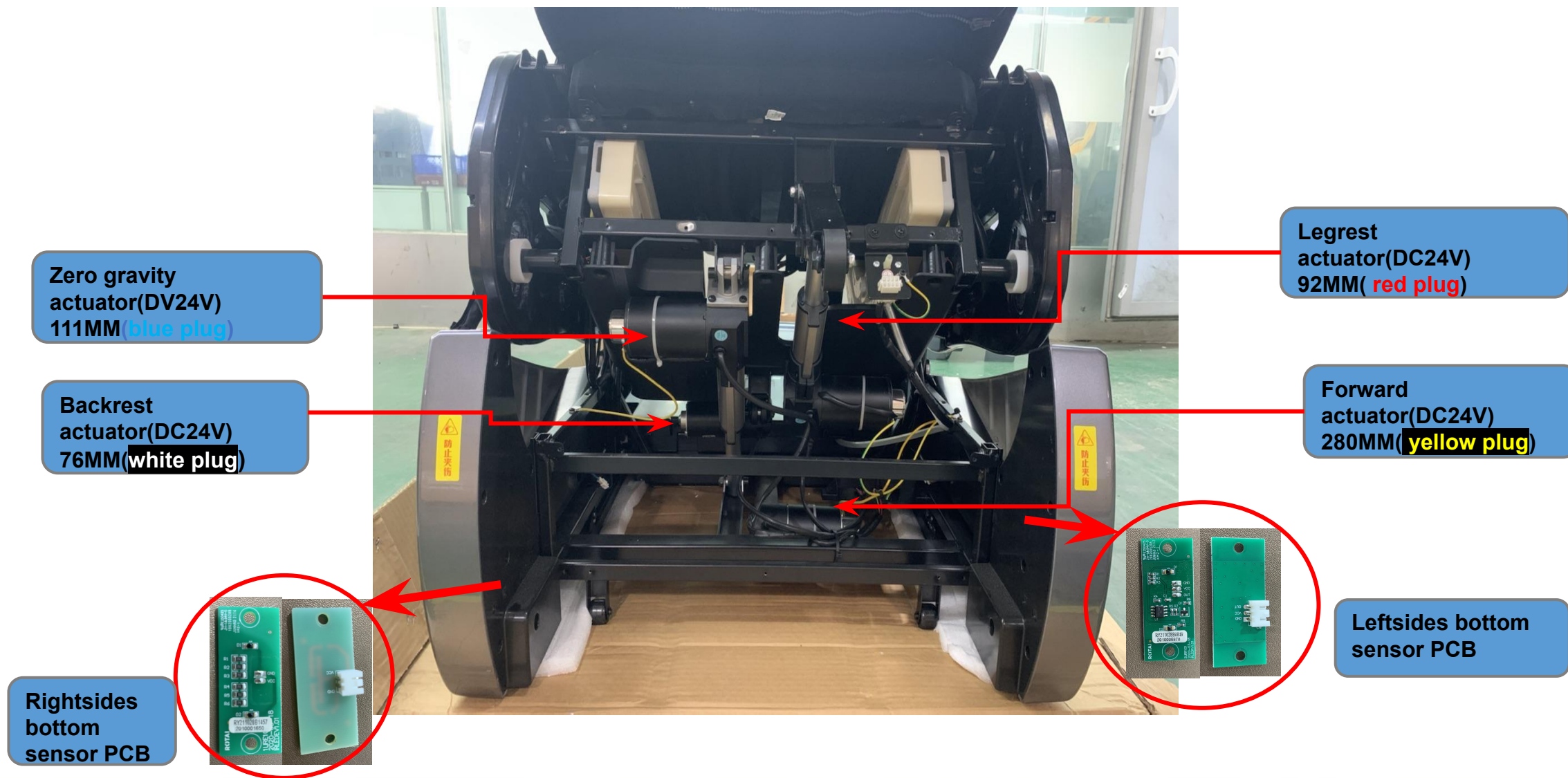
Upper Mechanism



Lower Mechanism

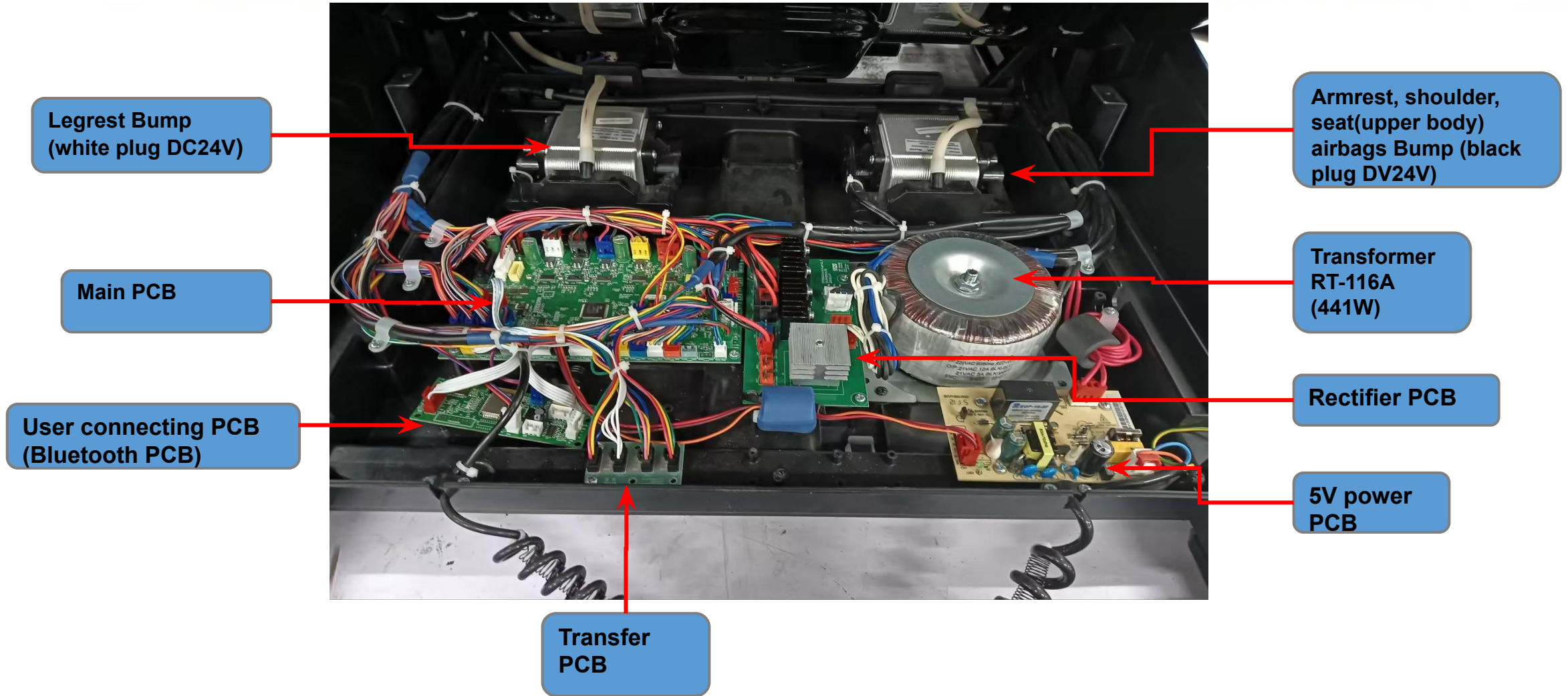


actuators



Power BOX

ROTAI
荣泰



1. Tablet cannot control chair

2. Fuse burned

3. Knead motor don't work

4. Mechanism no Width change

5. Knock motor don't work

6. Walk motor don't work

7. 3D radial motor don't work

8. Legrest actuator don't work

9. Forward actuator don't work

10. Backrest actuator don't work

11. Zero gravity actuator don't work

12. Legrest rubbing don't work

13. Low Legrest don't extend

14. Legrest roller don't work

15. Aigbag don't work

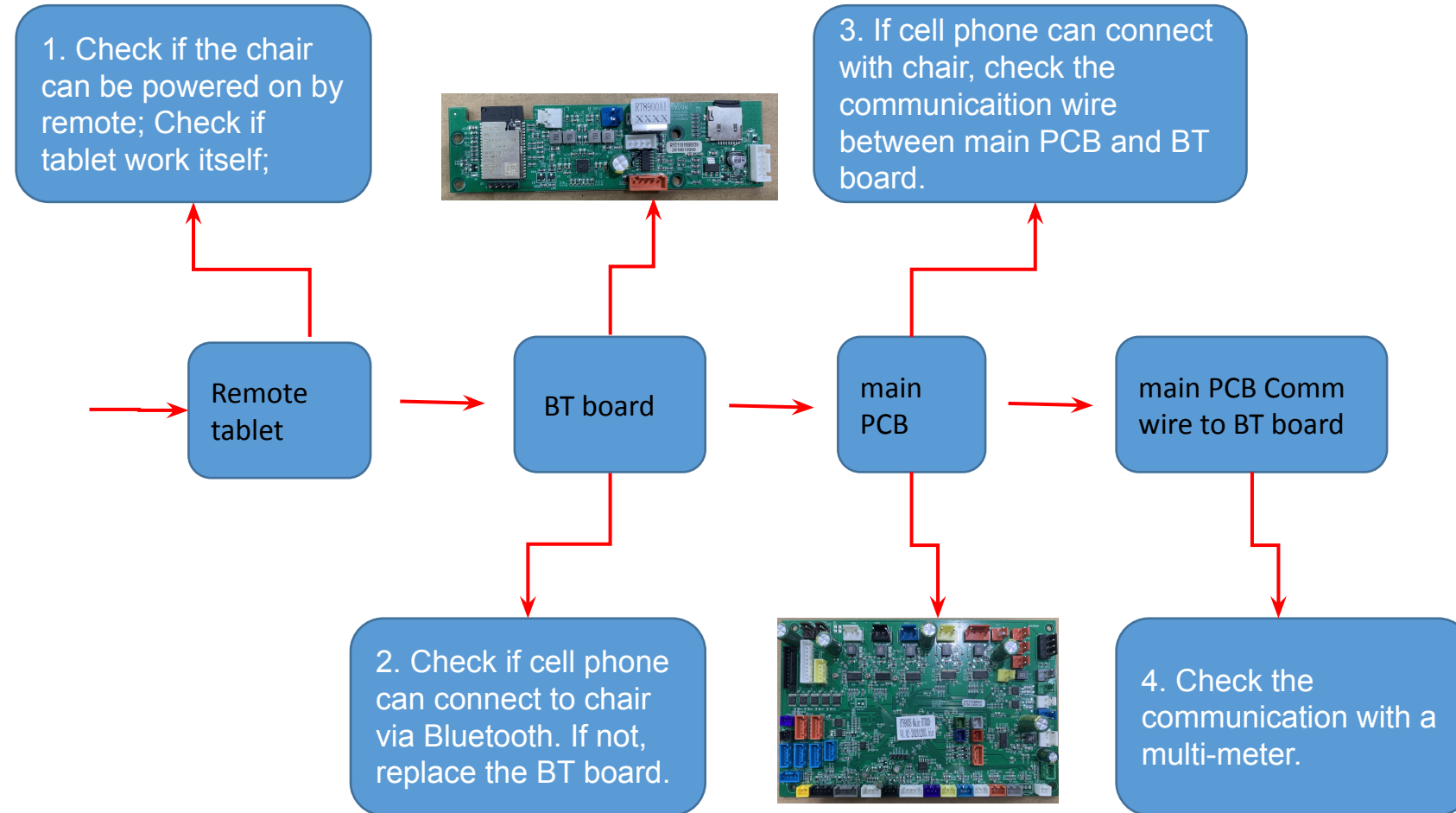
16. keyboard PCB don't work

17. Wireless charging no work

18. Failed on body scan

19. Keep body scanning

1. Tablet cannot control chair



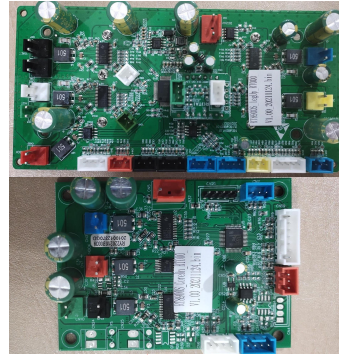
2. Fuse burned

Parts replacing order:



3.Kneading motor don't work

1. Select "Sync" in manual mode, switch knead motor plug with knock motor connection on mech PCB. If kneading doesn't work either, replace knead motor.



3. Use multimeter to check if cable connection is faulty.

knead motor
faulty

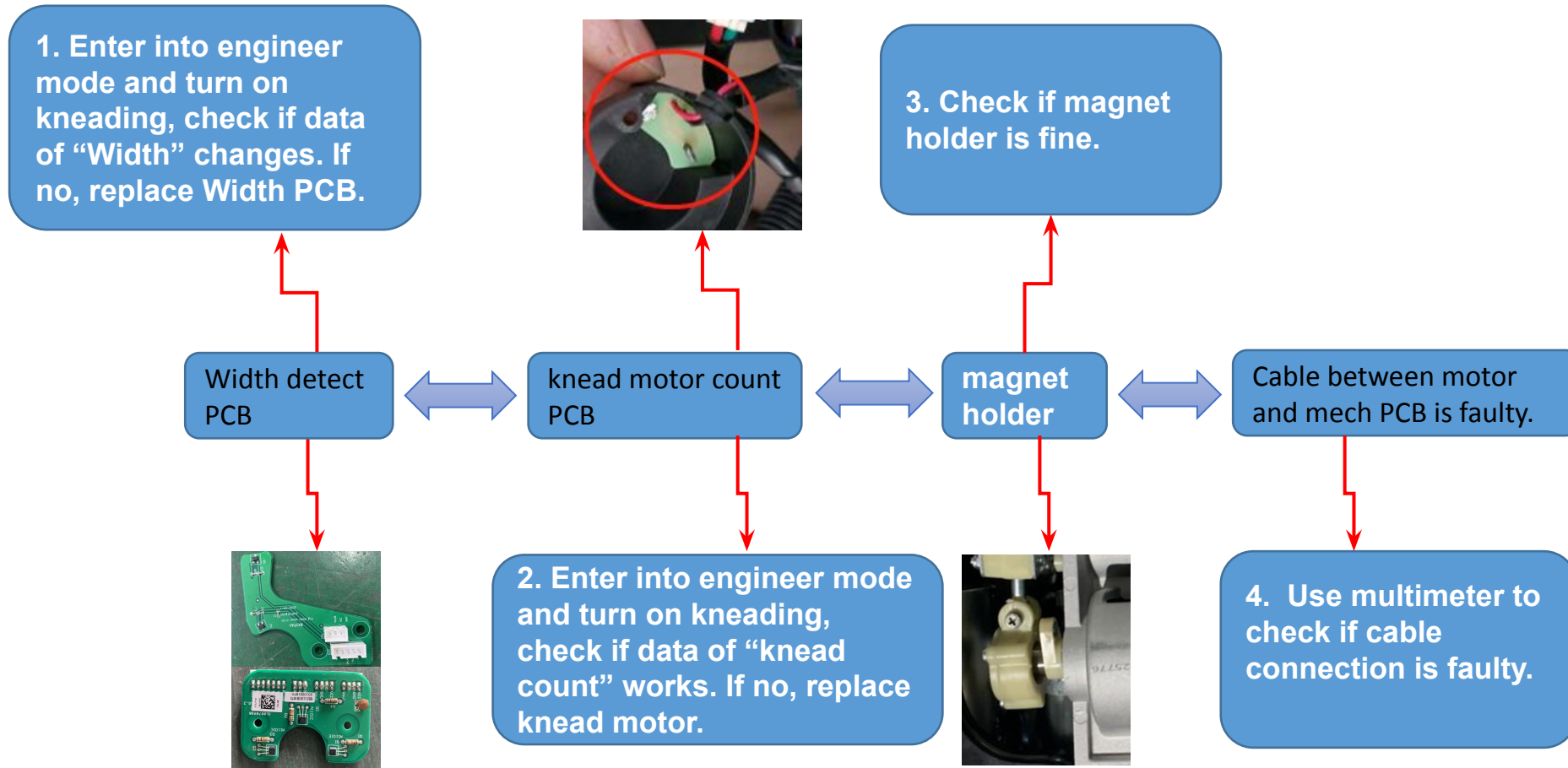
Mechanism
main PCB faulty

Cable between motor
and mech PCB is faulty.

2. If kneading works in Step.1,
then mechanism PCB is
faulty.

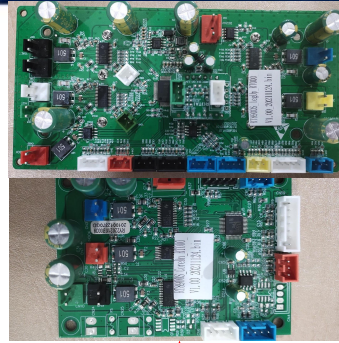


4. Mechanism cannot detect Width



5. knocking motor don't work

1. Select "Sync" in manual mode, switch knock motor plug with knead motor plug on mech PCB, check if knocking works. If no, knock motor is faulty.



3. multimeter check cable coonection

knock motor
faulty

Mechanism main
PCB faulty

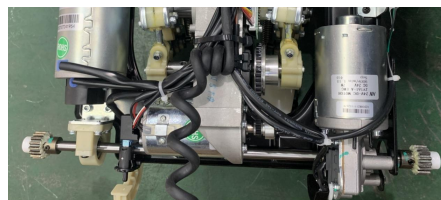
Regarding cable is
faulty



2. If knocking works in
Step.1, it means
Mechanism PCB is faulty.

6.walking motor don't work

1. Connect the extra plug on mechasnim with 24V adaptor, which is direct to walk motor. If mechanism walks, motor is fine.



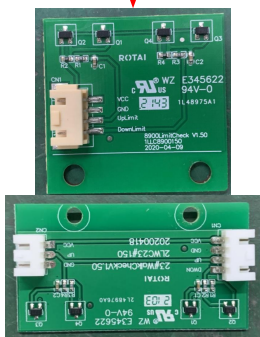
3. Return plugs back to original from Step.2, switch the plugs on mech PCB and run "Kneading" manually. If it walks, it means mech PCB faulty. If not, it's cable faulty. We can use a multi-meter to test the connection of cable.

travel detect
PCB faulty

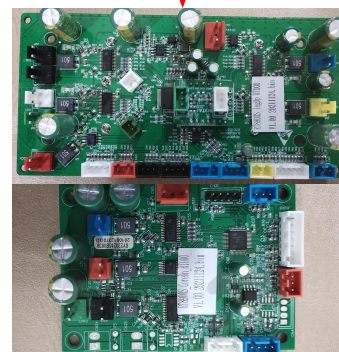
walk motor
faulty

Mechanism
PCB faulty

Regarding cable
is faulty



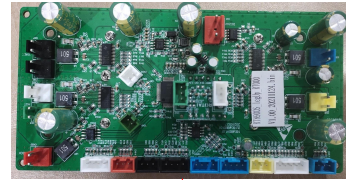
2.Select "Point" in munal and move mech with "Up/Down" on remote, if there are DD sound both moving up and down, then "travel detect PCB" is fine. Switch plugs of walk and knead motor on mechanism and run "Kneading" on remote, if the mech walks, the motor is fine.



4. Turn multimeter to "Sound" mode and test the cable if there is faulty connection.

7. 3D radial motor don't work

1. Select “kneading” manually, switch plug of radial motor to knead motor on Mechanism PCB. If motor don't work(mechanism cannot push forward or backward), motor is faulty.



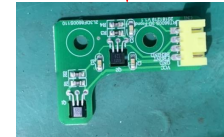
radial motor
faulty



Mechanism
PCB faulty

2. If it push forward/backward in Step.1, it means motor is fine and there is faulty connection on cable/plugs or mech PCB or 3D signal PCB.

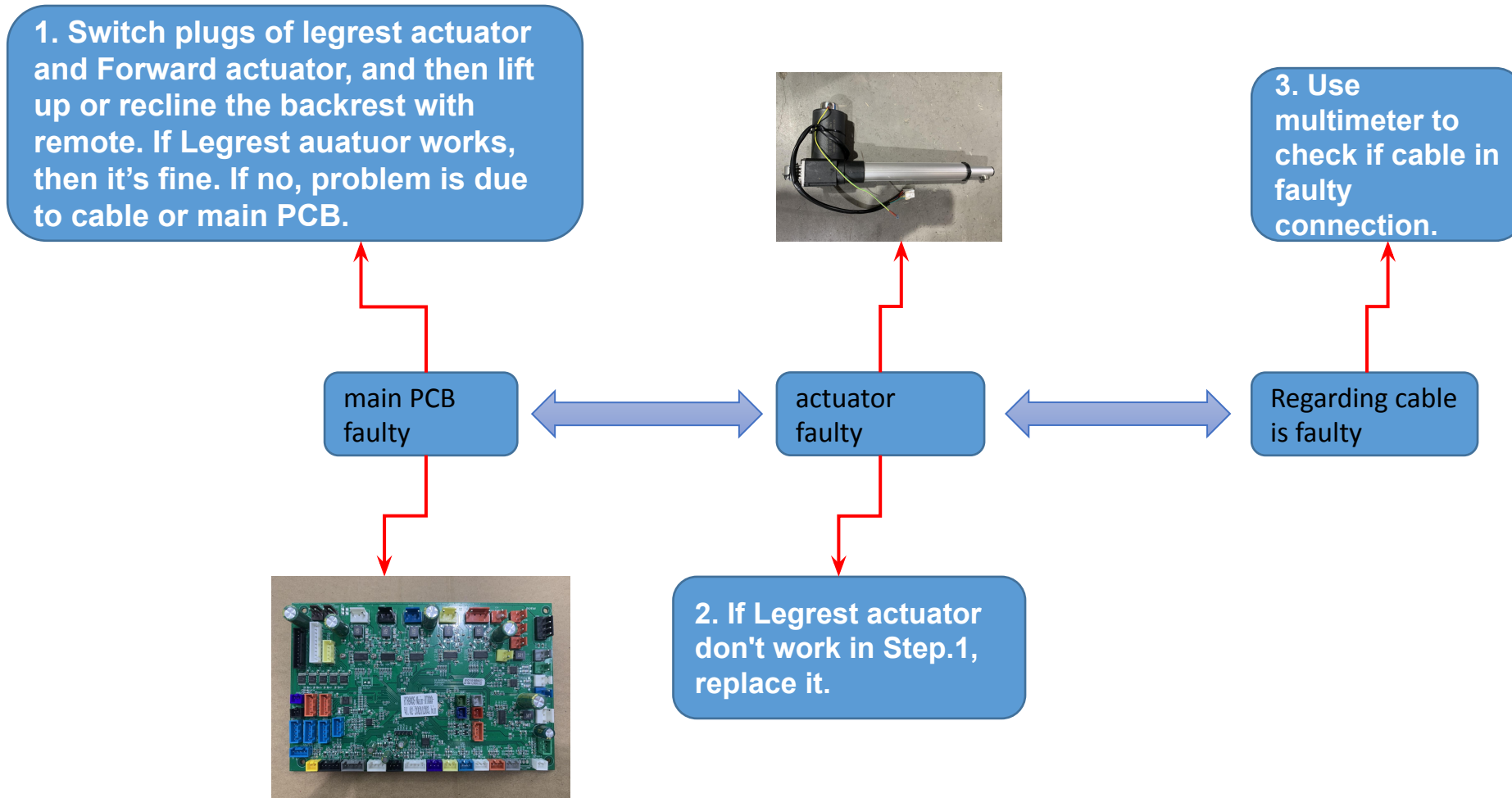
3D travel count
PCB faulty



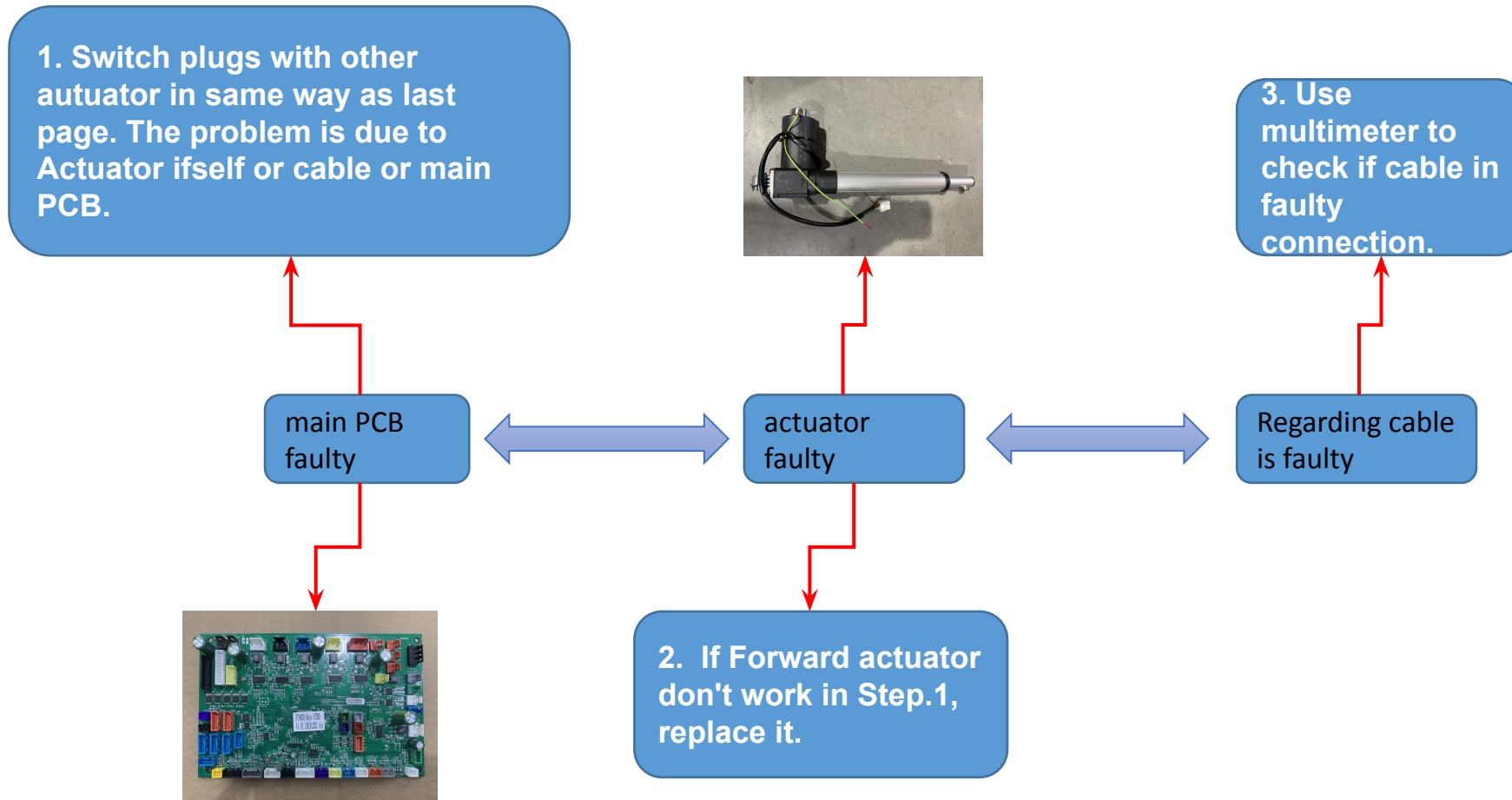
Regarding cable
is faulty

4. Turn multimeter to “Sound” mode and test the cable if there is faulty connection.

8. Legrest actuator don't work

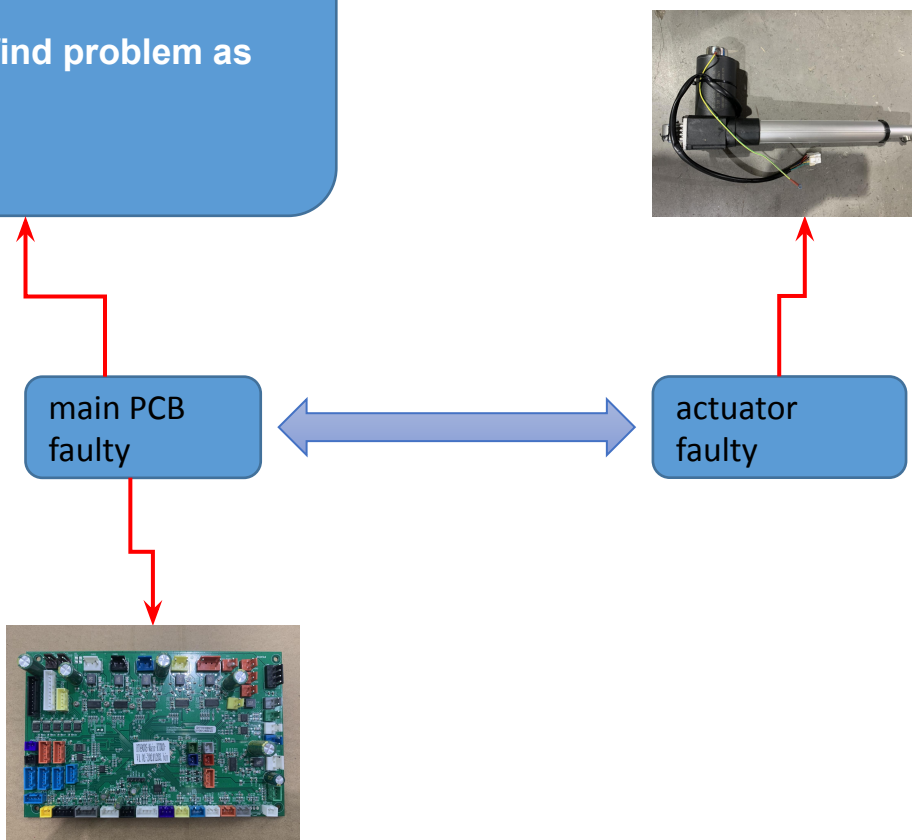


9. Forward actuator don't work

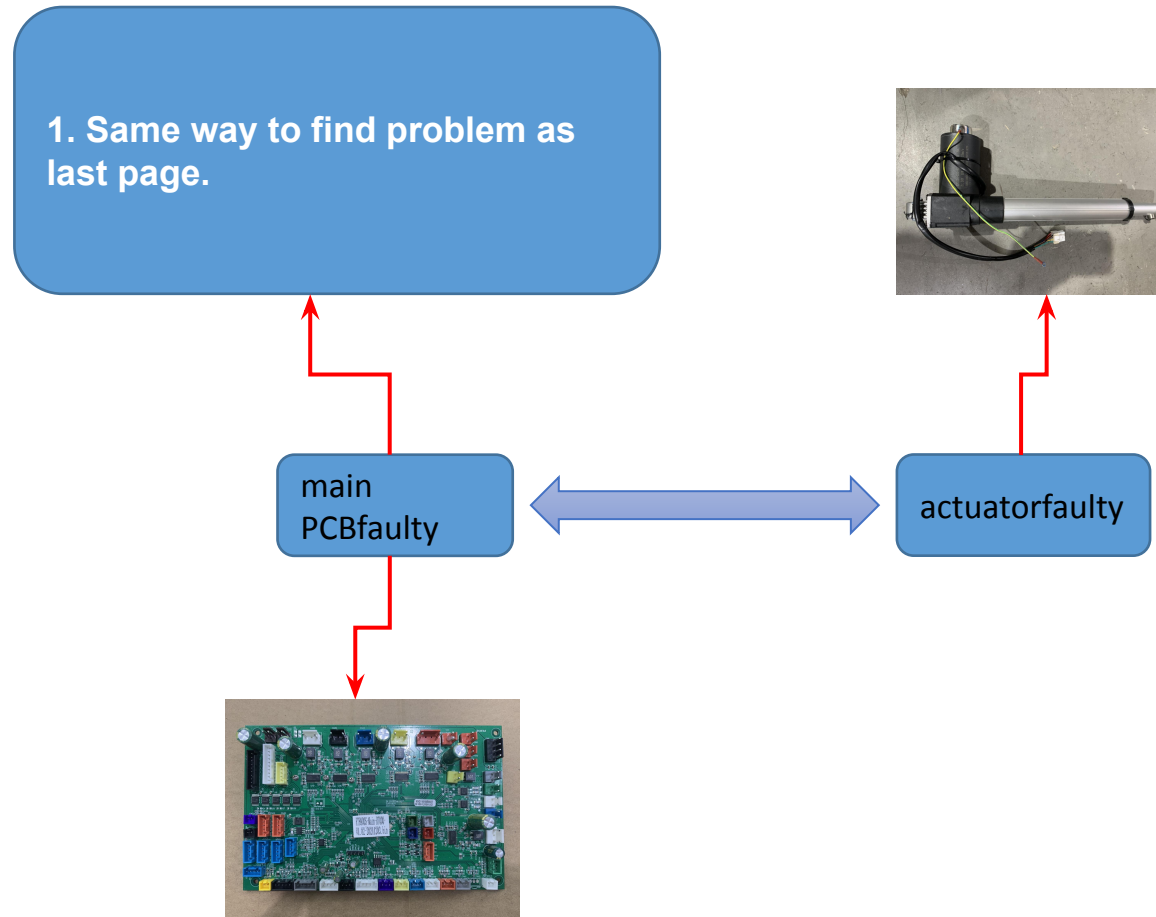


10. Backrest actuator don't work.

1. Same way to find problem as last page.

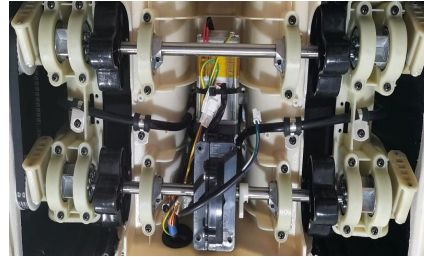


11. Zero gravity actuator don't work



12. Calf rubbing motor don't work

1. Turn on calf rubbing, test if there is DC24V output from Legrest PCB. If no, replace main PCB.

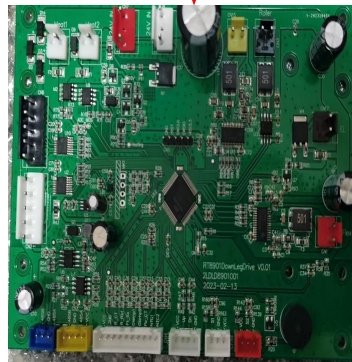


3. Use multimeter to check if cable in faulty connection.

Legrest PCB
faulty

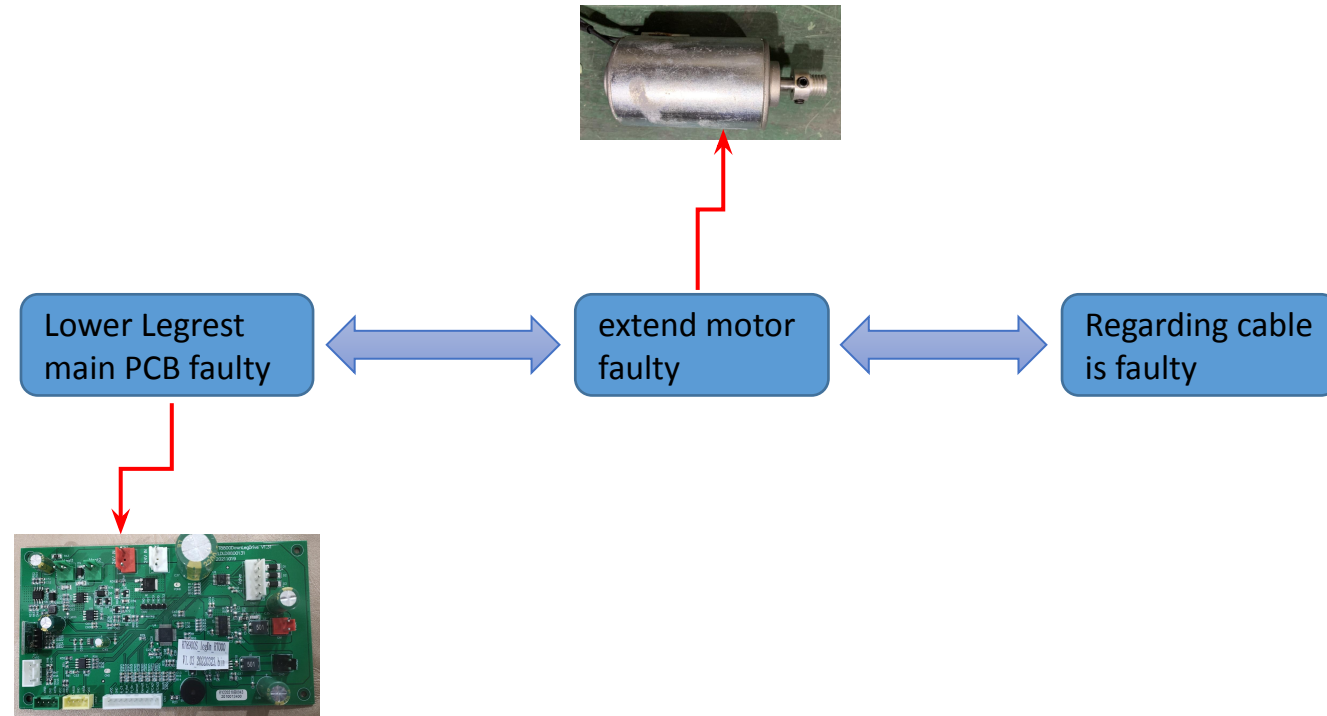
rubbing
motor faulty

Regarding cable
is faulty

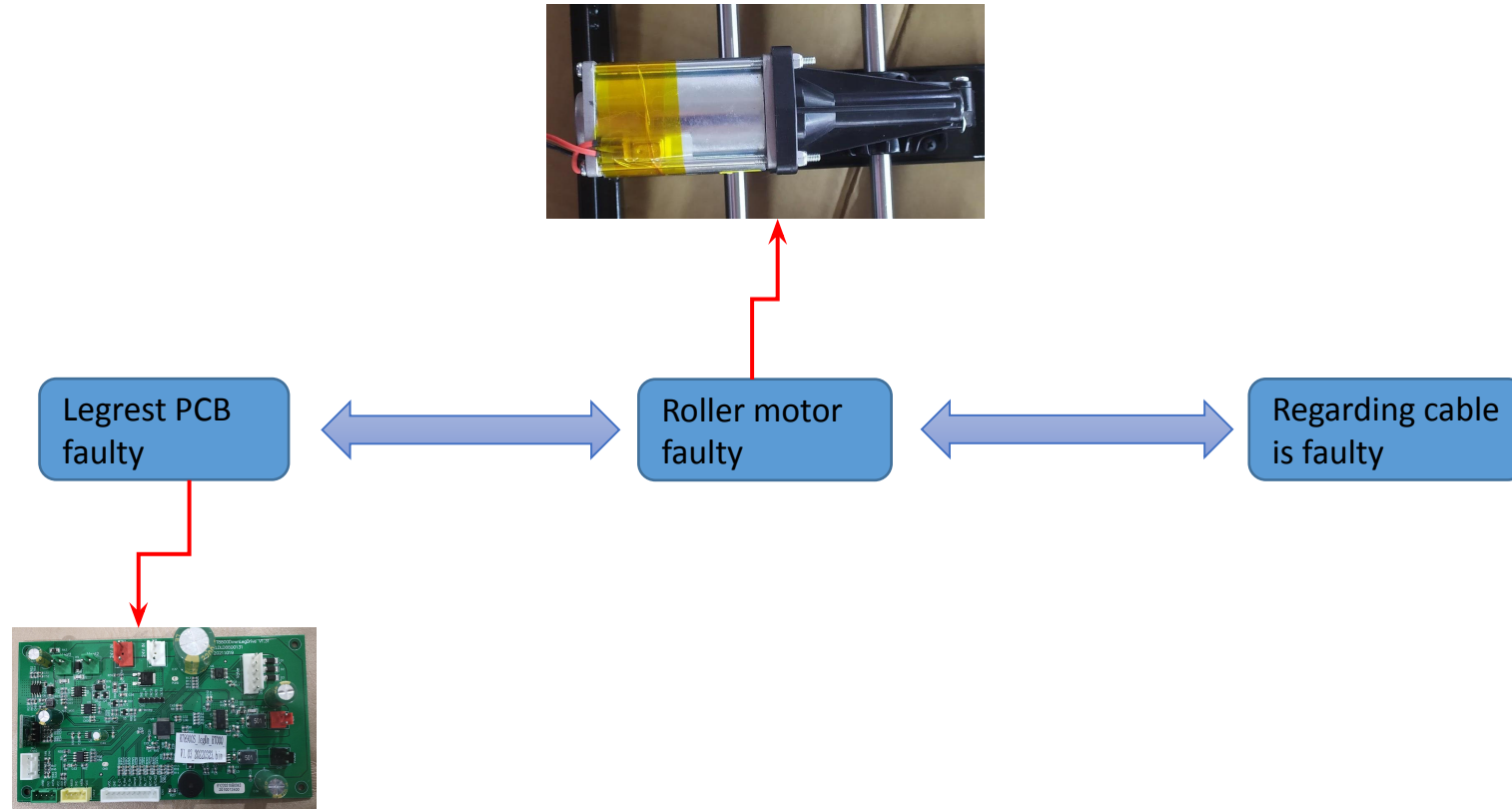


2. If there is DC24v
output from Legrest
PCB, replace the calf
rubbing motor.

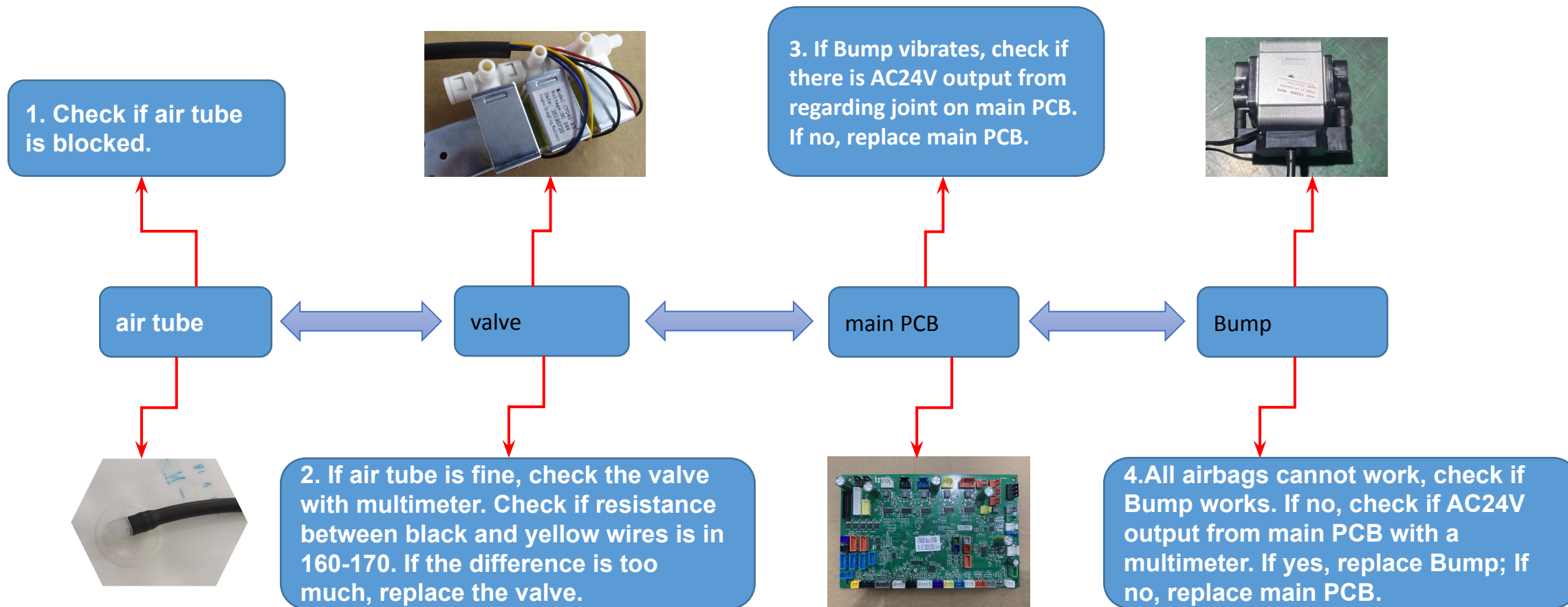
13. Legrest extension motor don't work



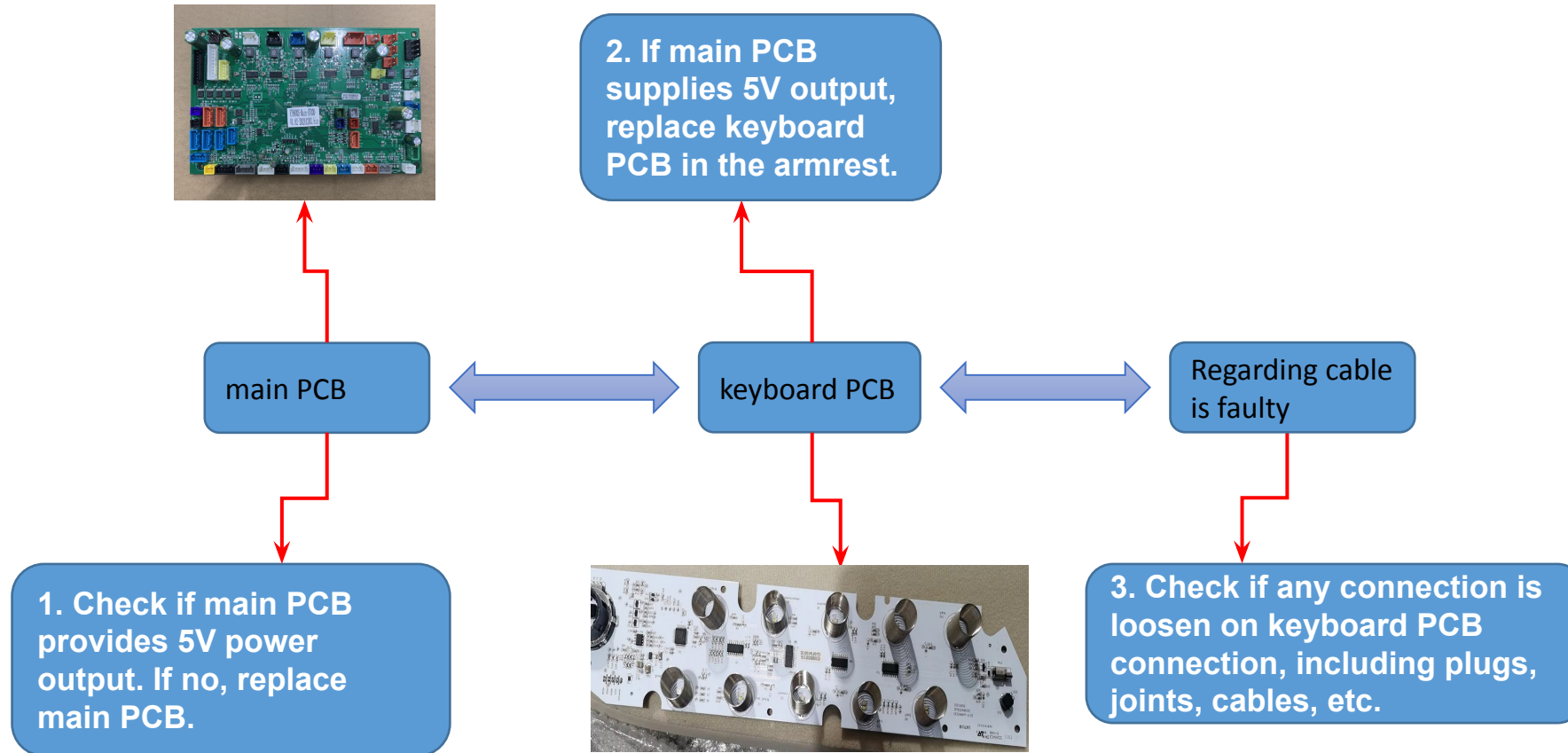
14. Foot roller motor don't work



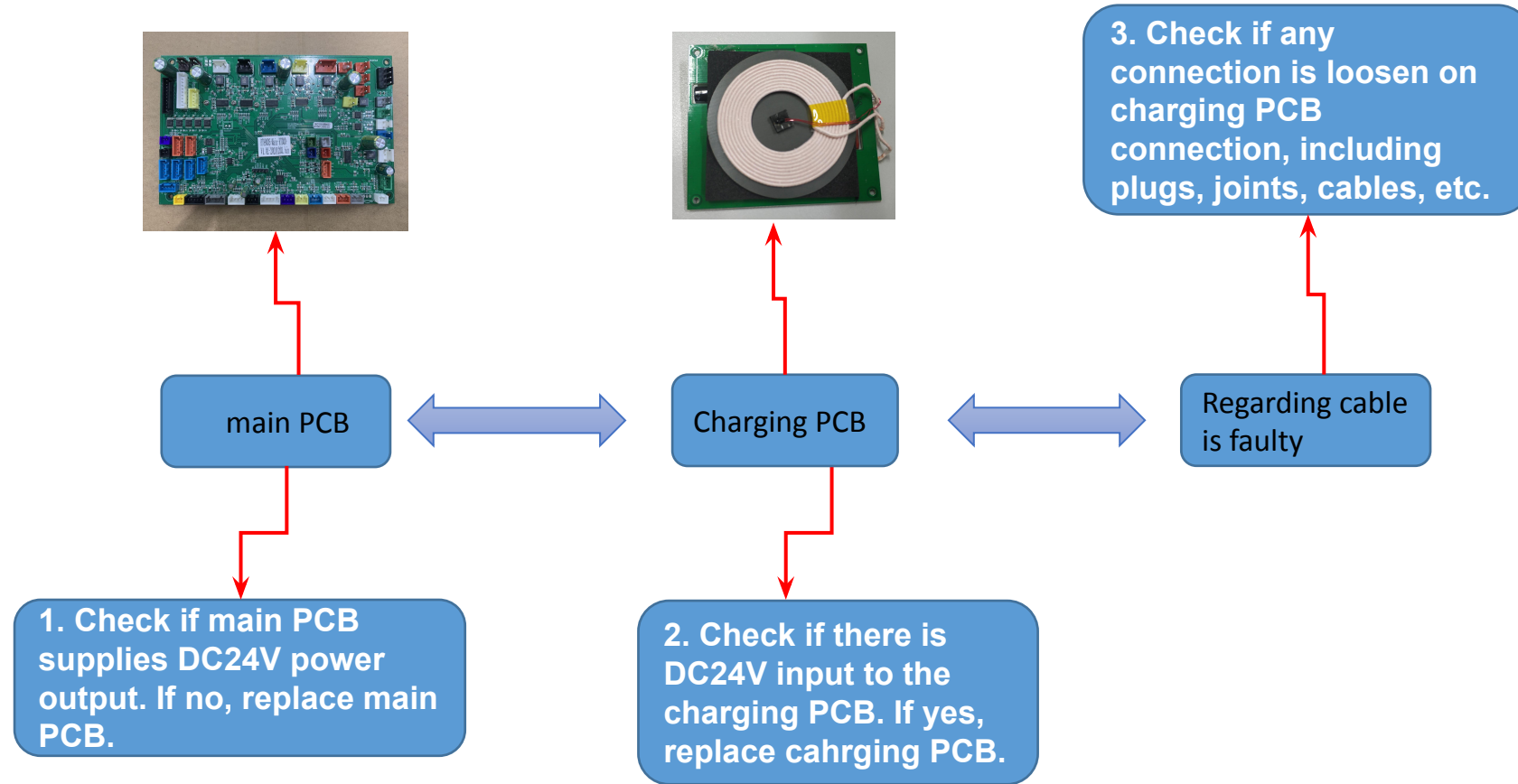
15. Airbags don't work



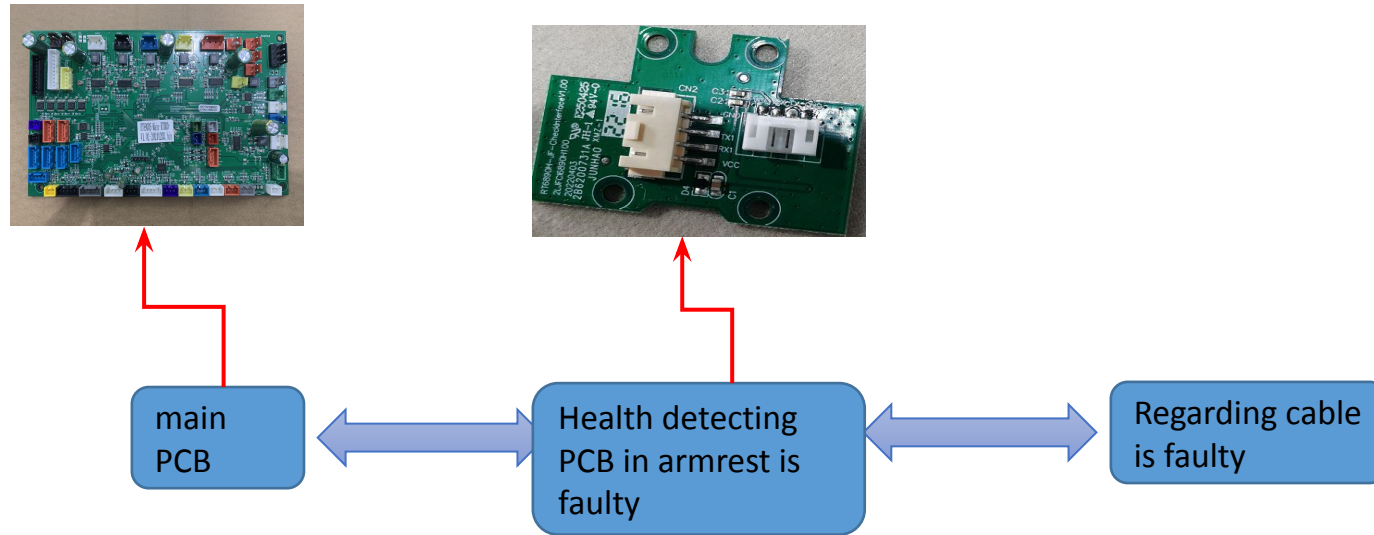
16. keyboard PCB don't work



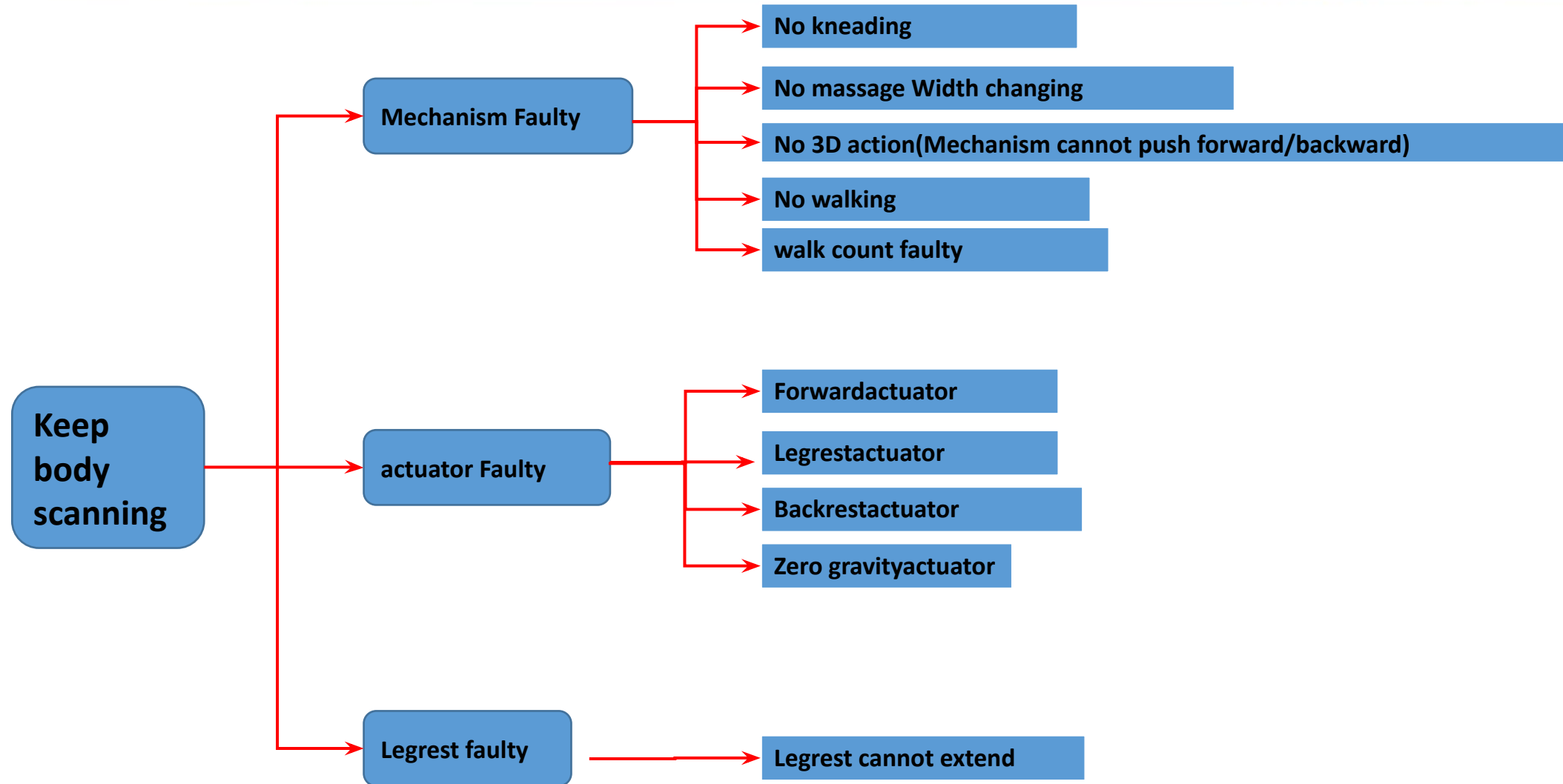
17. No wireless charging



19. Health detecting cannot success



20. Keep body scanning





Be more professional

2023/08/15