

MAISUN TECHNOLOGY (HK) LIMITED
INSTALLATION MANUAL

Car Model: **YL-N6146**

Mazda **CX-8** (2019+)

Installation Requirement Safety Precautions

1. For your safety and normal using, please ask a professional personal to install it, do not install and uninstall by yourself, to avoid product damage or accidents.
2. Before installation, please make sure car mfd showing normally, all buttons inside car are working correctly, check if car light working, if have some scratches inside car surface, if yes, please contact with car owner.
3. Check if tailgate open and close normally, if has any deformations.
4. Prepare all tools, turn off car, ensure power off operation.
5. The parts and screws of the original car removed during installation should be placed separately and marked to prevent loss. Wire joints should be insulated to prevent short circuit.
6. According to the wiring mode of our company, avoid affecting the moving parts of the car when installation, such as steering wheel drive shaft, accelerator and brake pedal and other vehicle control parts. The wiring harness should be fixed during the straight line process to prevent loose.
7. Do not plug in or out the product and plug in the power-on state, to avoid damage to the product.





倒数第7位为L: 左边
倒数第7位为R: 右边
倒数第7位为G: 不分左右

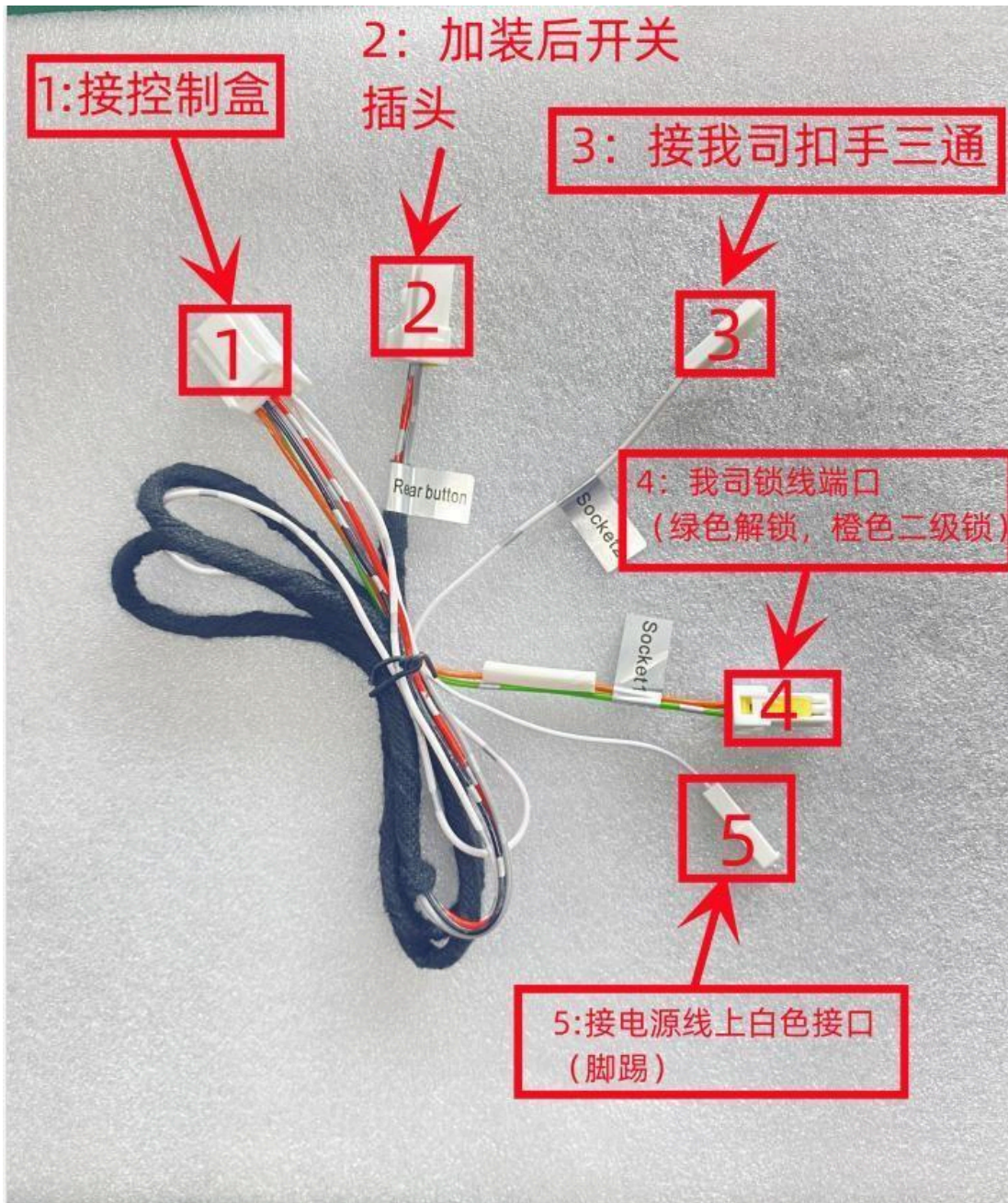
Pole serial no. seventh-bottom "L" means left pole, "R" means right pole, "G" means no need recognize.



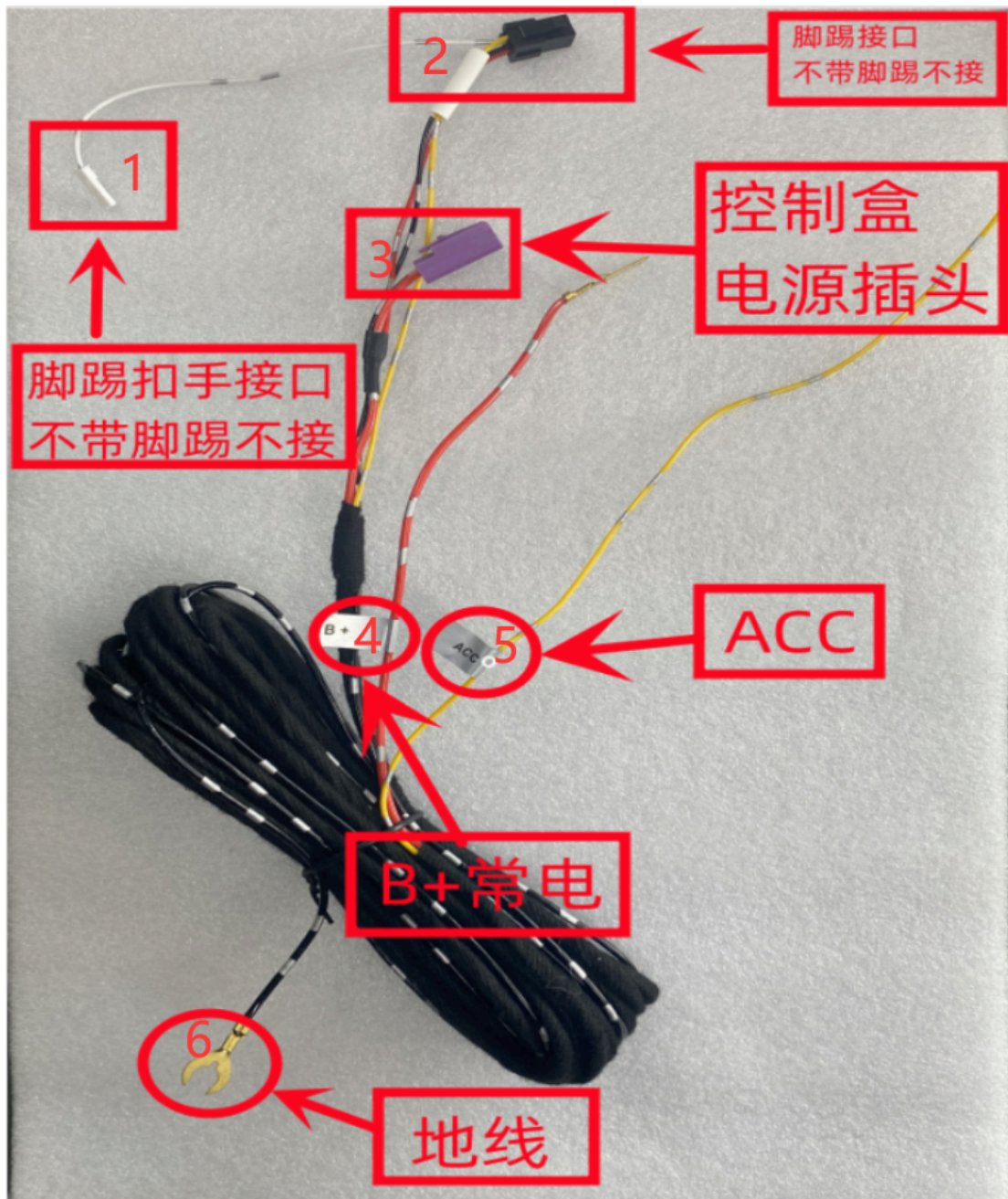
1.CAN-L/CAN-H

2. Open lock signal yellow

3. 1 and 2 Some models will be used, some models will not be used

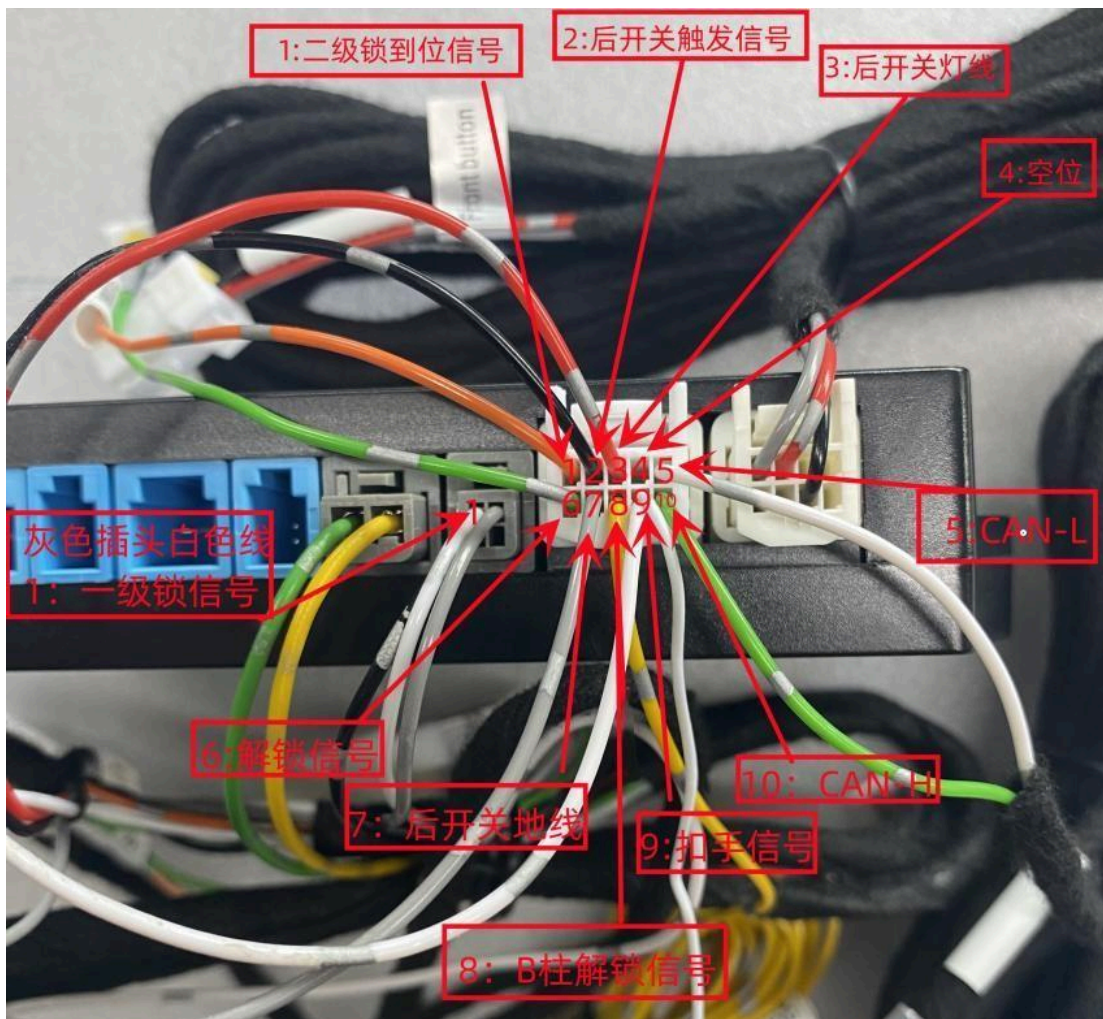


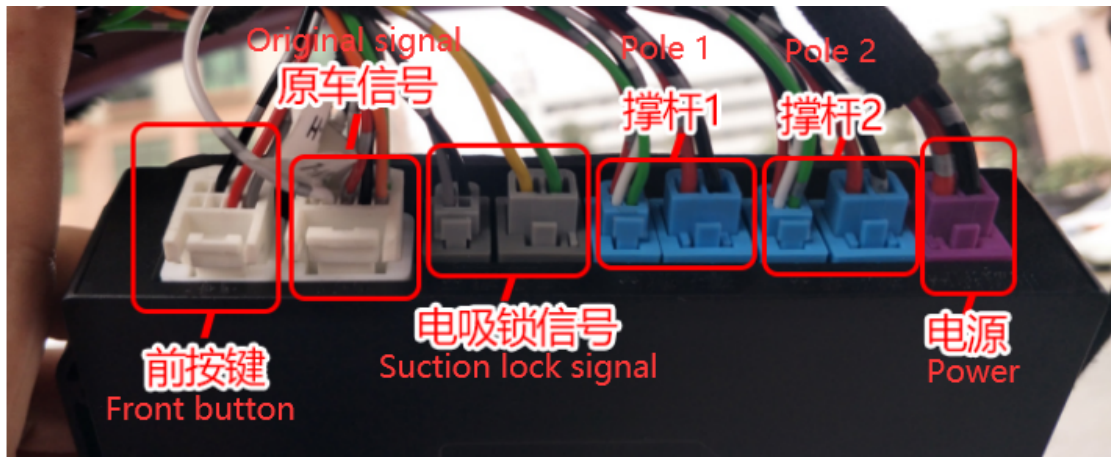
1. Connect control box.
2. Rear button connector.
3. Connect our 3-ways connector.
4. Connect our suction lock (green color unlock signal, orange second lock signal).
5. Connect our power cable white color, its for kick sensor.



1. Kick sensor signal connector. Without kick sensor no need connect.
2. Kick sensor connector. Without kick sensor no need connect.
3. Control box power connector.
4. Battery.
5. ACC.
6. GND.

1. Second lock signal.
2. Rear button signal.
3. Rear button light.
4. Reserved.
5. CAN-L.
6. Unlock signal.
7. Rear button GND.
8. B-pillar unlock signal.
9. Manual signal.
10. CAN-H.





Installation process diagram

Note: The installation step is to install the mechanical part of the pole firstly, open and close tailgate manually, and confirm that the pole open and close smoothly and the pole body does not scratch the car body, then connect the power and signal, then test again, if not problem, we can finish wiring followed our installation requirements.



Remove the trim panels in the correct order.
Remove the plastic clips within the red circles.

Remove the original plastic handle box from the car.
Remove the small plastic trim panel.



Remove the original hydraulic support struts.



Use a flat head screwdriver to pry open the clips.
Remove the original hydraulic strut.



Remove the original vehicle body brackets.

安装我司车身支架
用原车螺丝固定



Install our body brackets, securing them with the original vehicle screws.



倒数第7位为L: 左边
倒数第7位为R: 右边
倒数第7位为G: 不分左右

Pole serial no. seventh-bottom "L" means left pole, "R" means right pole, "G" means no need recognize.



Install our electric struts.



Strut mounting points utilize the original vehicle's mounting holes.



Diagram showing the routing of the struts wires.



Remove the original car lock assembly.
Replace it with our electric suction lock assembly.

安装我司上电吸总成
(用原车螺丝固定)

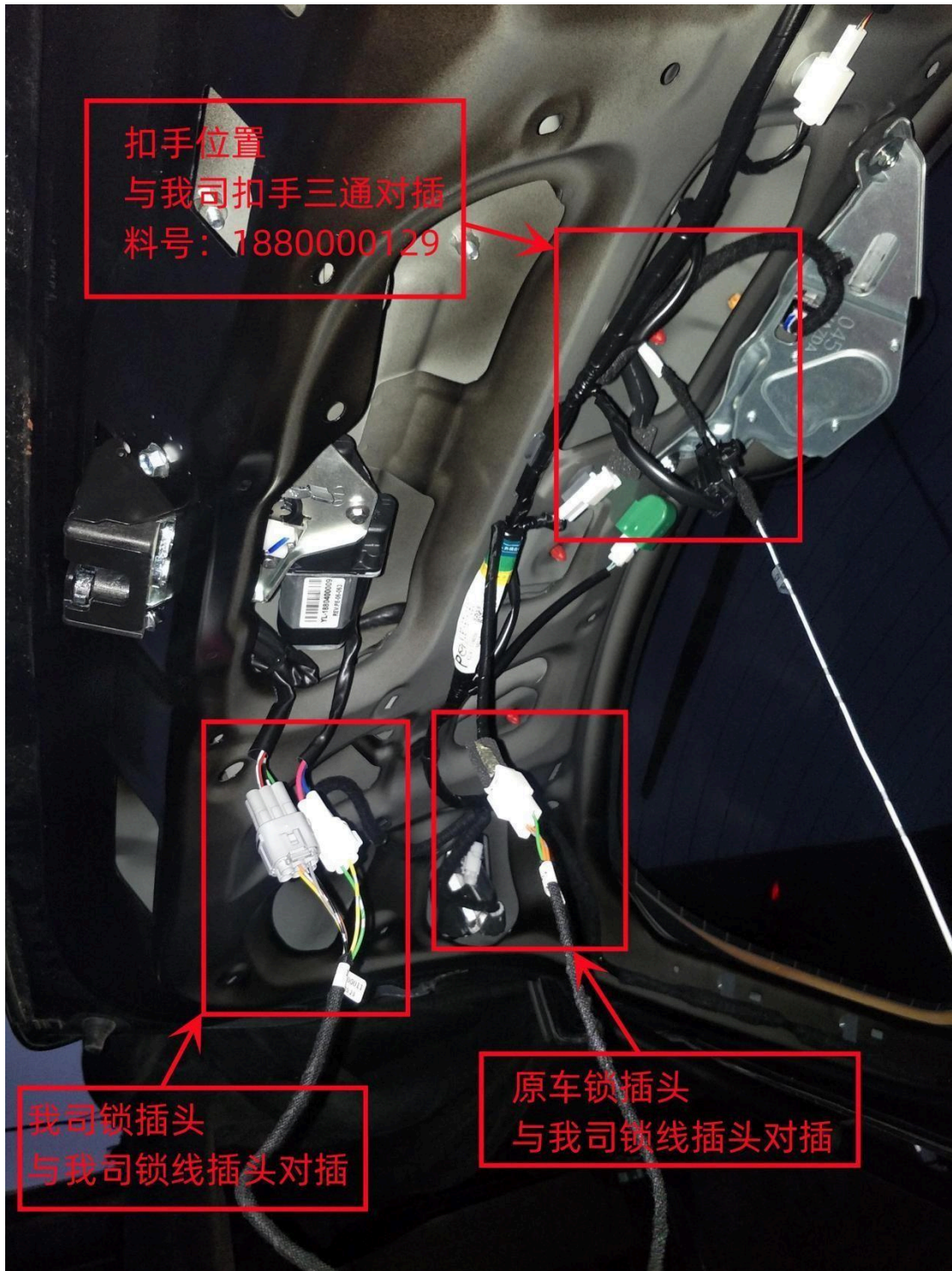


Replace it with our electric suction lock assembly (secured with the original vehicle screws).

Handle position

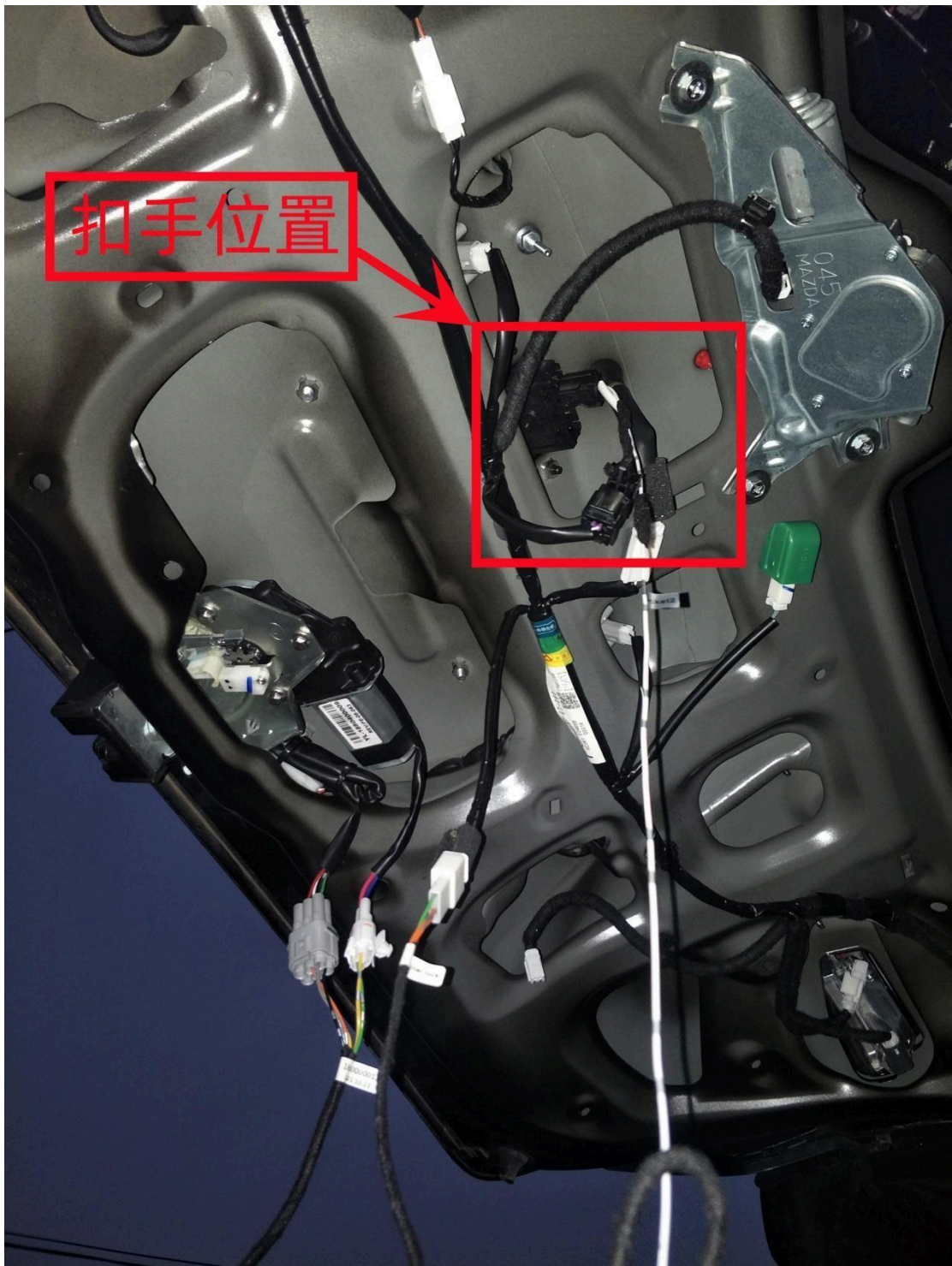
Connects with our handle tee connector

Part number: 1880000129



Our lock plug connects to our lock wire connector.

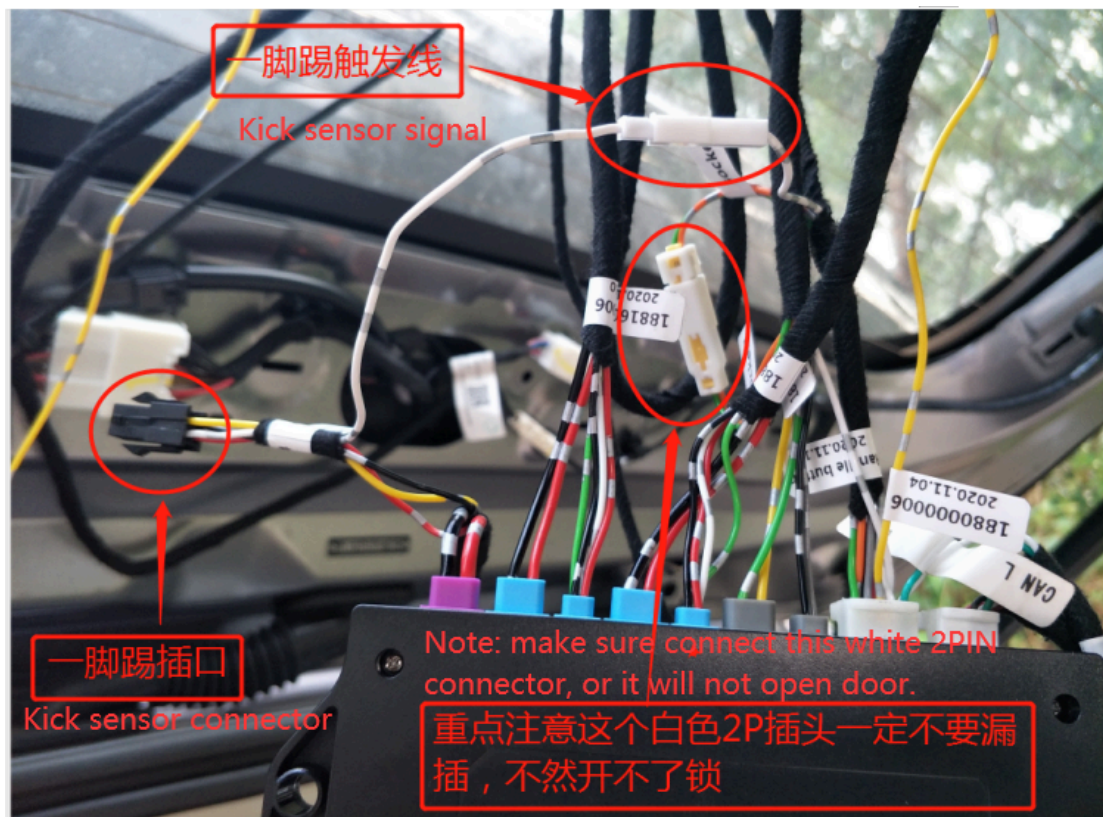
The original vehicle's lock connector plugs into our lock wire connector.

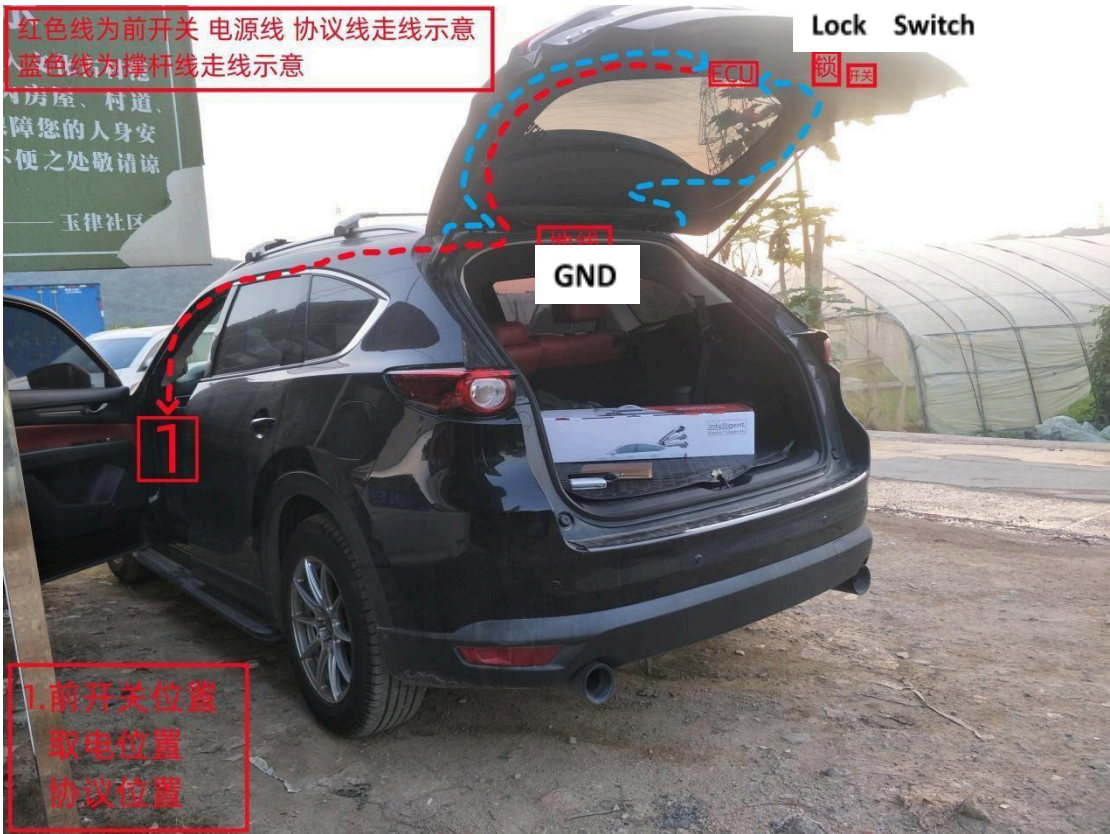
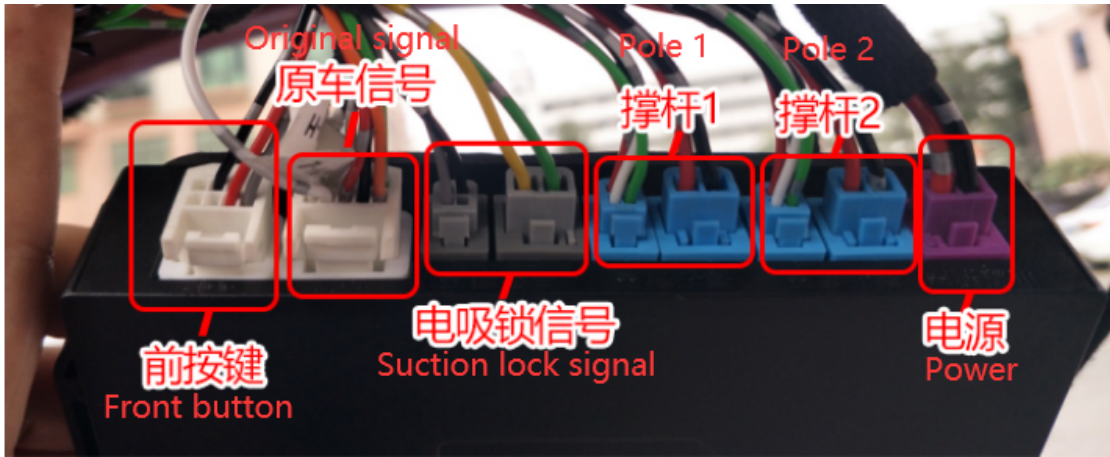


Handle position



Ground wire location: Original vehicle roof ground wire terminal

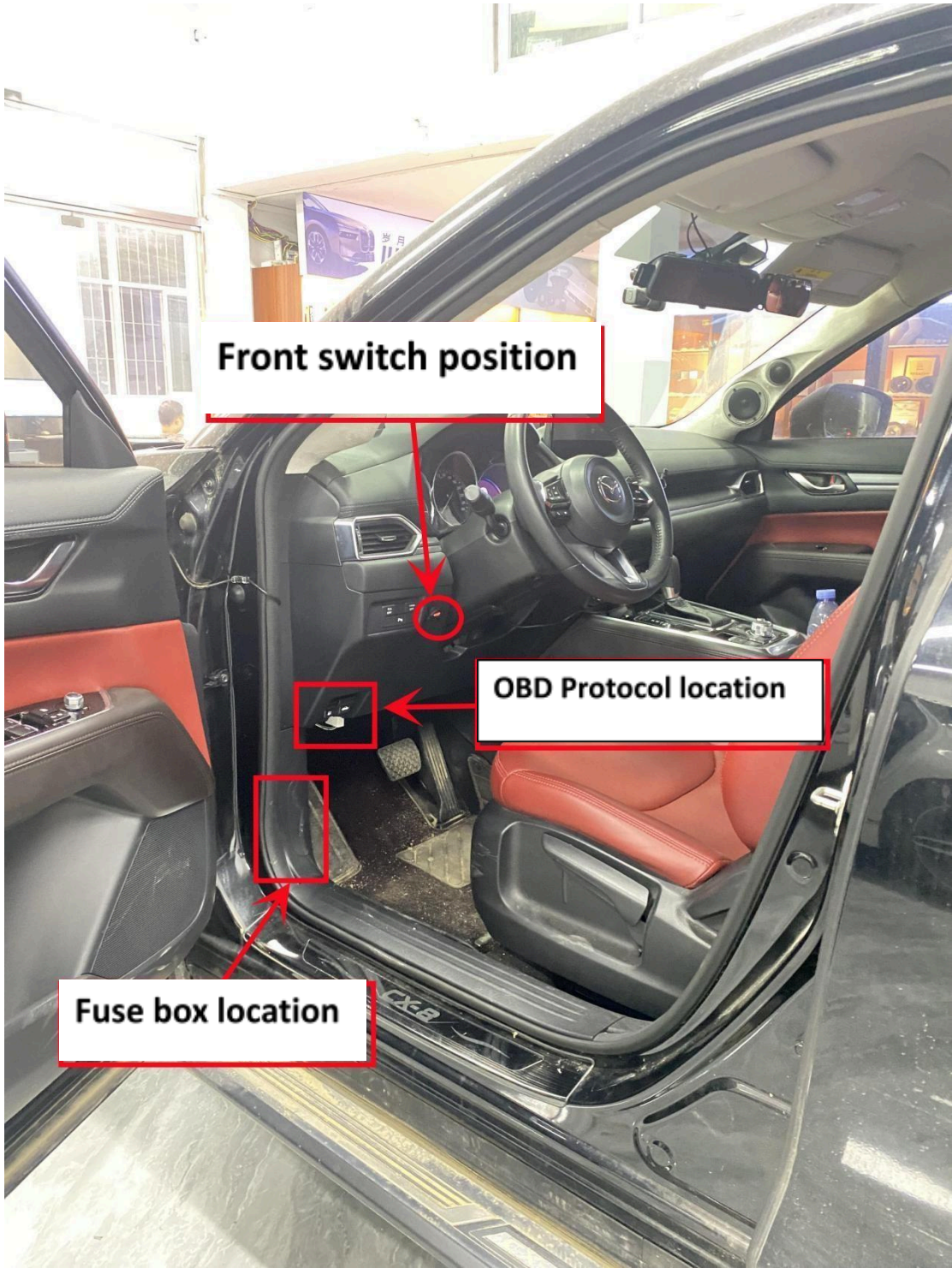




The red lines show the wiring diagram for the front switch, power cord, and protocol lines.

The blue lines show the wiring diagram for the support rod lines.

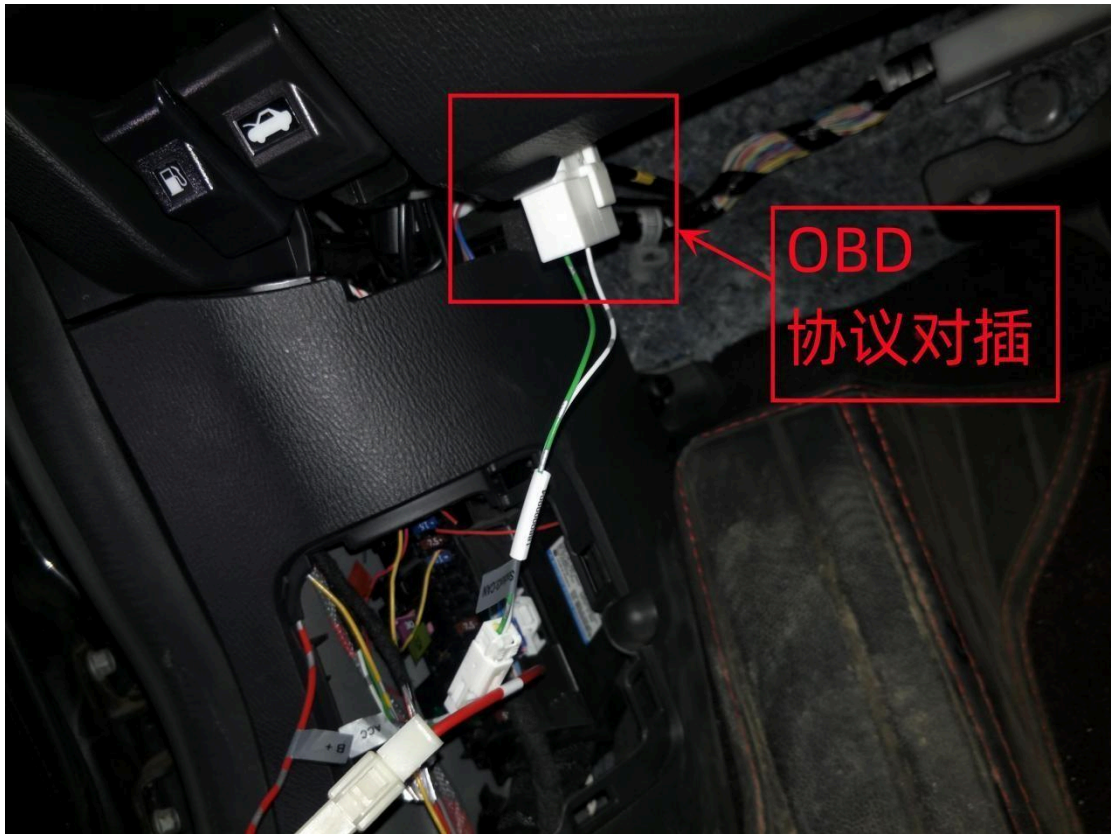
1. Front switch position
Power supply location
Protocol location



Front switch position

OBD Protocol location

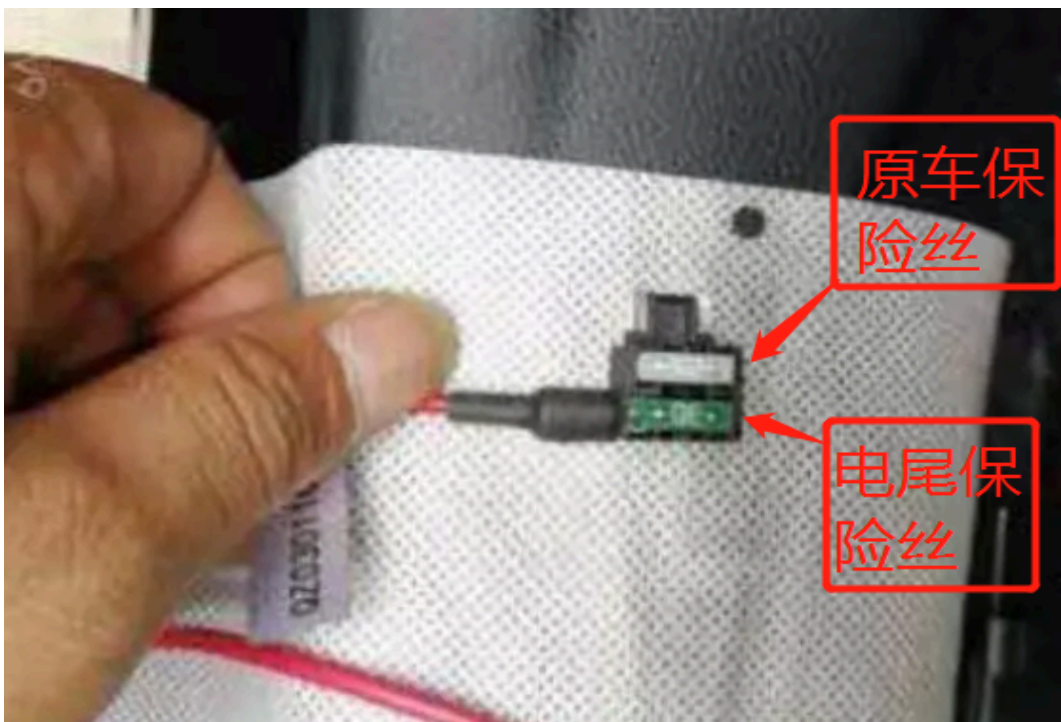
Fuse box location

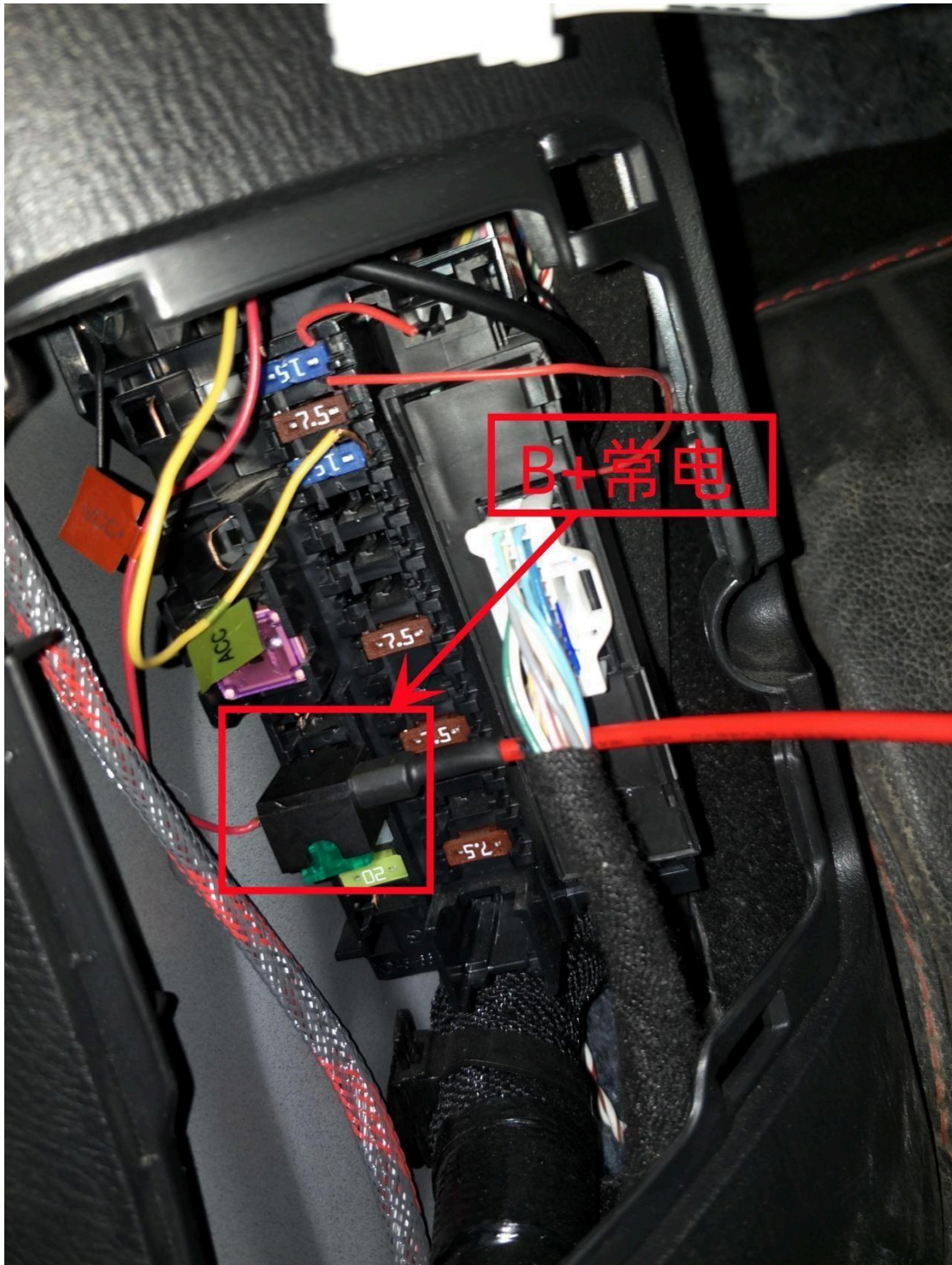


OBD protocol connection

Original car fuse

Electric tailgate fuse





B+ constant power supply



The method for opening the tailgate using the front button switch is: press and hold for 3 seconds.



Drill holes and install the switch.



Dedicated rear switch

Press the unlock button on the original car key three times at a steady pace to control the tailgate opening and closing.

After installation, power on and close the tail door manually, test the product to check whether the pole is pressed or not, the ball head gasket can be fine-tuned, if all working good, you can use our development center magic sticker and tie to fix control box and wiring, install each parts as where they are, the installation is complete!