

Installation instructions

Name: Electric pedals

Model car: 20+ ISUZU D-MAX 4 doors

(Right-hand drive)

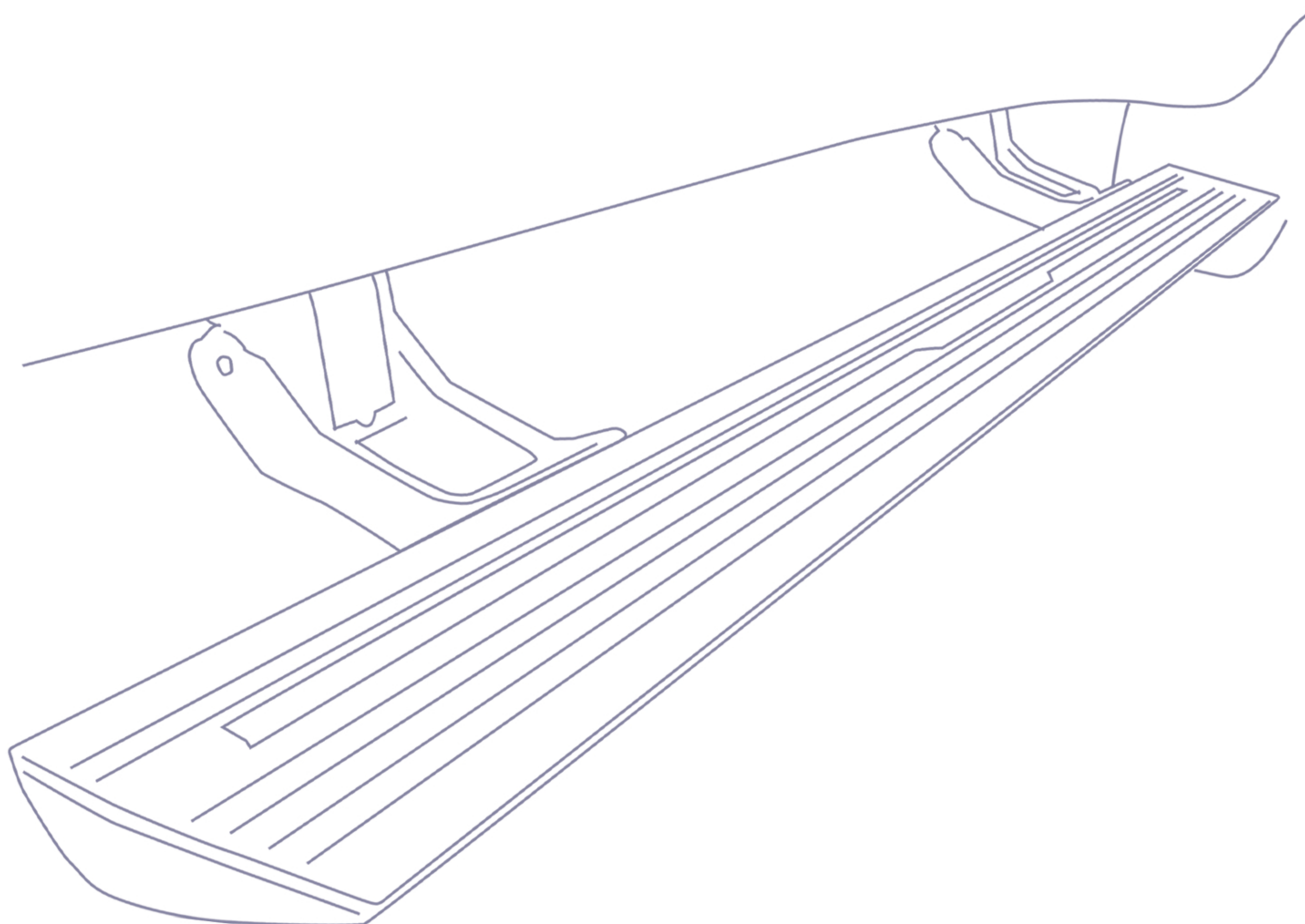


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Installation/Operating Manual

Precautions

- 1.To facilitate installation, please carefully read the user manual before installation. When installing, be sure to protect the surface of your beloved vehicle to avoid scratches.
- 2.Regularly check if all accessories connected to the pedal and vehicle are loose to ensure safety during use.
- 3.Follow the installation instructions strictly according to the identification in the wiring diagram.
- 4.The main control box of the electric pedal does not have waterproof or water resistance capabilities and must be placed inside the vehicle.
- 5.The white motor wire connector that plugs into the main harness must be placed inside the vehicle!
- 6.After the wiring harness passes through the chassis wiring hole, it must be waterproofed with silicone gel provided with the product!
- 7.When installing the wiring, be sure to avoid high-temperature components such as the engine casing and exhaust pipes.
- 8.When connecting signal wires, be sure to avoid short circuits between two wires or between wires and the vehicle body. Use the wire clips provided by the manufacturer.

Basic electrical components



Installation steps

Preparation

- 1.Refer to the parts list to check if all components are present, and test the motor to ensure it operates correctly.
- 2.Differentiate between the front, rear, left, and right brackets, then place them together with the fasteners in their corresponding positions to facilitate faster installation.
- 3.Insert the plastic cards into the corresponding T-bolts separately to avoid accidentally inserting the T-bolts into the vehicle chassis during assembly, which could prevent the completion of the installation.
- 4.Use zip ties to organize the wire harness, and securely wrap and fix any exposed wires with electrical tape. Reinstall the removed guard plate to its original position. If there is interference between the guard plate and the bracket during restoration, trim the interfering parts (the bracket provides chassis protection, so vehicle safety is not compromised).
- 5.Installation is nearly complete; double-check the above installation steps to ensure nothing has been overlooked.

Tool preparation

- Check if the product to be installed is intact and if all accessories are included.
- Prepare the installation tools.



Tool set



Craft knife


















Angle grinder



Pry bar

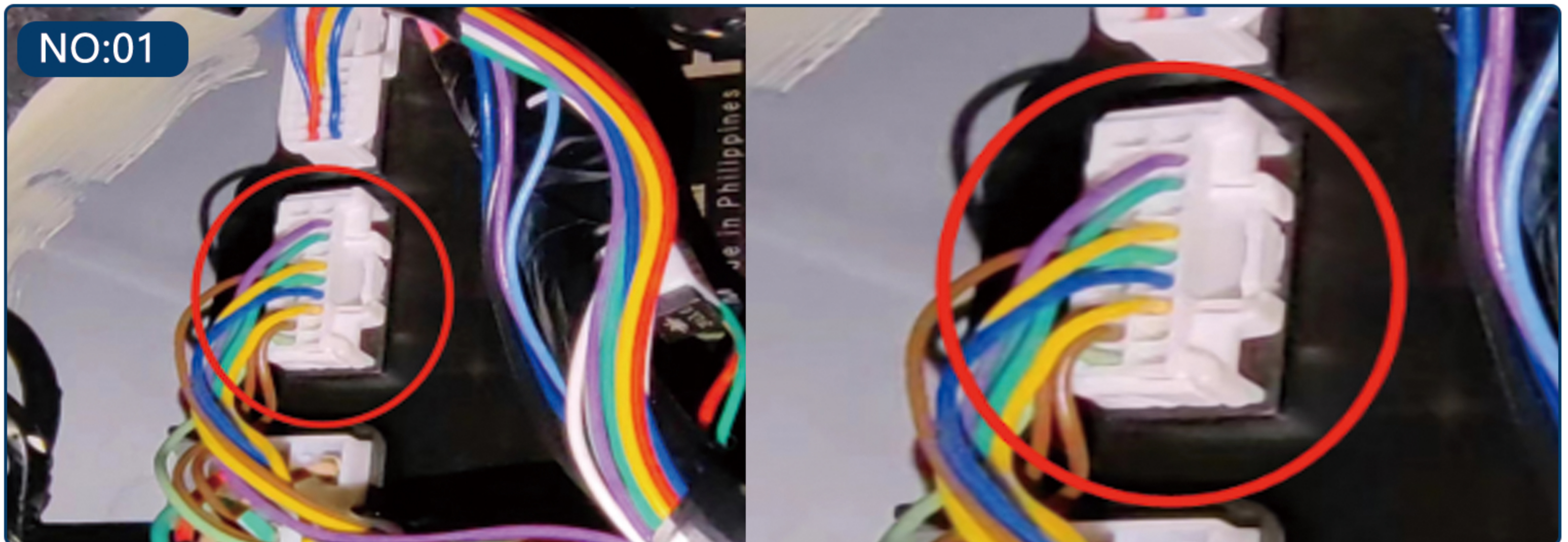
Parts list

Pedal parts list

Product accessories list								
N O.	Name	Qty	Picture	N O.	Name	Qty	Picture	Category
1	Left panel	1		2	Right panel	1		Pedal accessories
3	Left front bracket	1	Refer to the actual object for the bracket screws.	4	Right front bracket	1	Refer to the actual object for the bracket screws.	
5	Left front bracket	1	Refer to the actual object for the bracket screws.	6	Right rear bracket	1	Refer to the actual object for the bracket screws.	
7	ECU	1		8	Main Harness	1		
9	Motor Wire	1		10	T-clamp	1		Cable accessories
11	Power cord fuse	1		12	Nylon Cable Tie	25		
13	T-Bolt 15.5x5.5x9.7	4		14	Flange hex nut M8	6		
15	U-Shaped Washer	16		16	Round head screw M6*20	10		Installation accessories
17	T-Bolt 50x10x14	4		18	T-Bolt 40x12x7	4		
19	Flange hex nut M10	2		20	/		/	

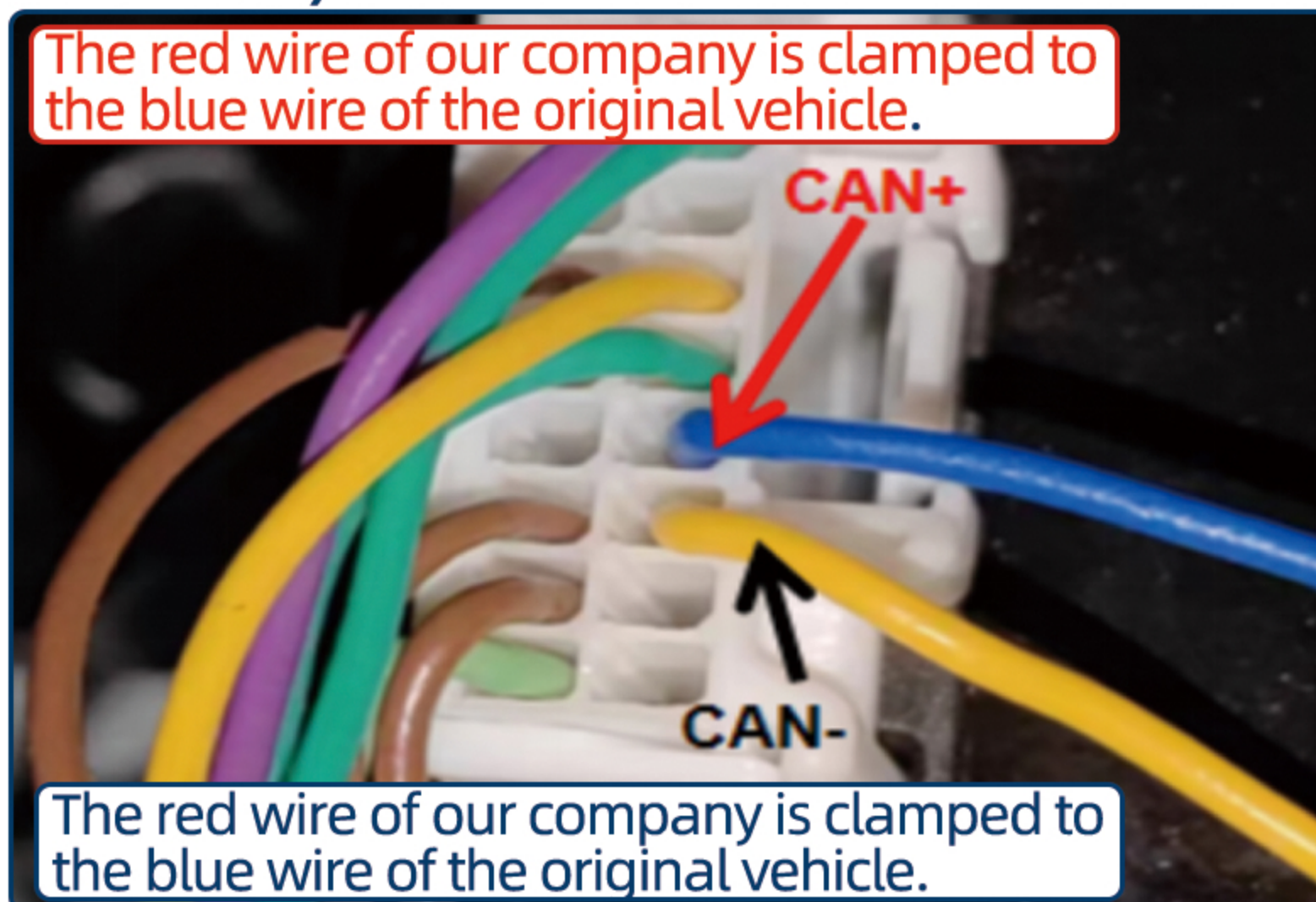
Wiring diagram

Cable connection



Disassemble the upper right part above the accelerator pedal on the right side of the original vehicle (the driver's seat in right-hand drive vehicles).

Locate this wire harness.



The red wire of our company is clamped to the blue wire of the original vehicle.

The red wire of our company is clamped to the blue wire of the original vehicle.

Alignment



Wiring

Power line connection position

20 + Power Cable Connection Locations of Isuzu D.MAX



NO:01

The negative pole of the power supply is behind the brake pedal of the driver's seat.



NO:02

It is inside the storage box on the footrest of the driver's seat. You need to disassemble the storage box. Power supply method: Miniature fuse (It is the second one from the top in the second column on the left side of the fuse box (white, 25A)).



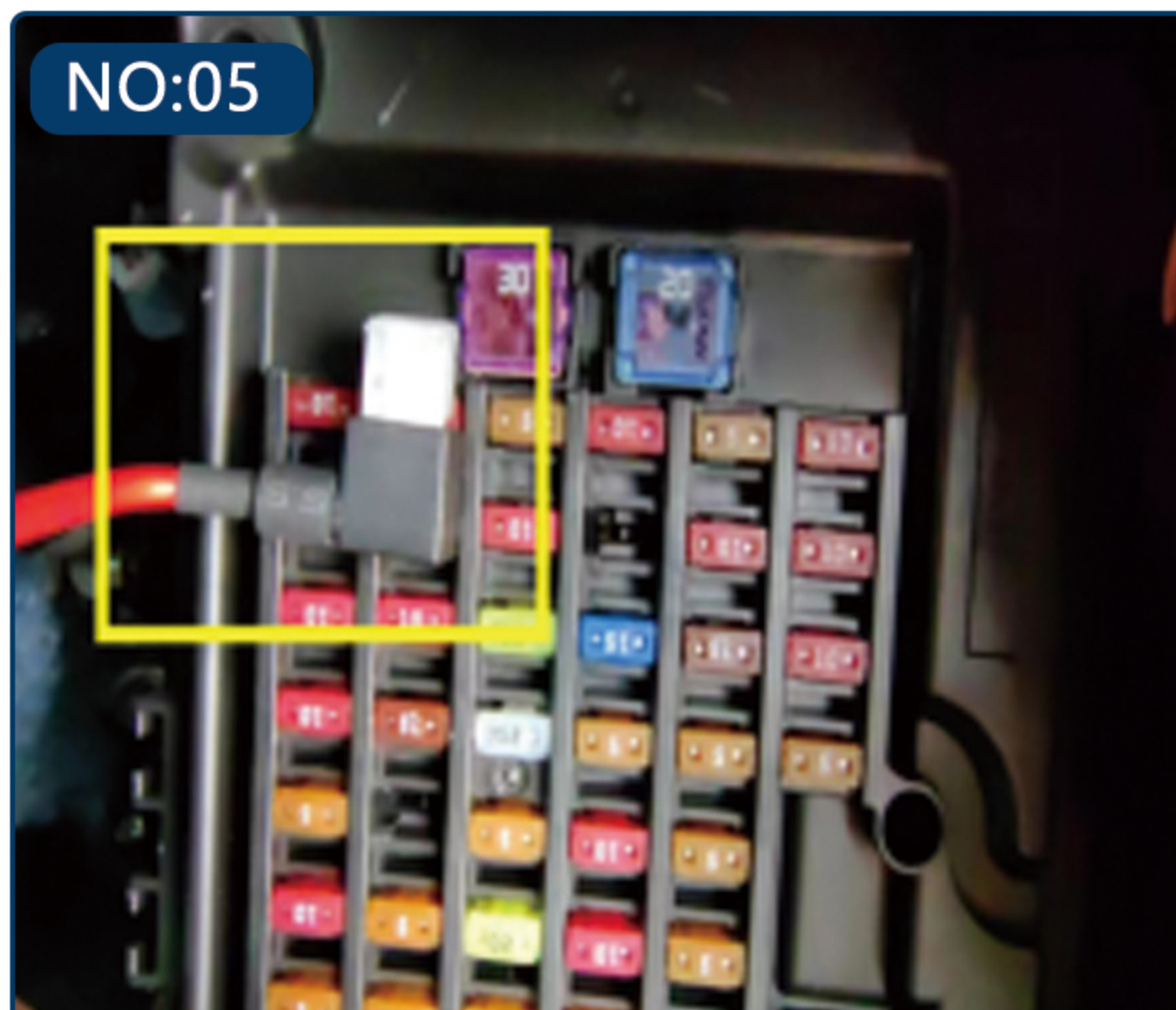
NO:03

Power negative pole.



NO:04

Power positive pole.



NO:05



NO:06

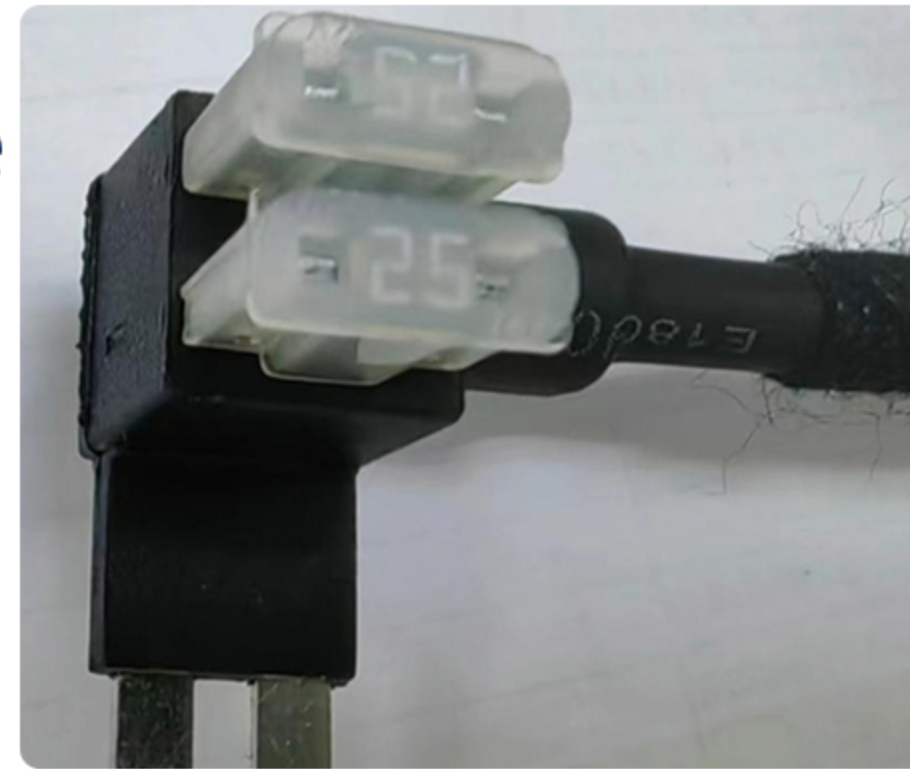
Power positive wiring location. Power negative wiring location.

Power wire routing precautions::

- 1.The area surrounding the screw for connecting the negative terminal of the power supply must be all metal, ensuring a good connection to the vehicle body. If there is plastic under the screw, please change the grounding point!
- 2.The controller is not waterproof and must be placed inside the vehicle. Secure it with zip ties to prevent rattling noises!
- 3.When installing the fuse for the positive power supply, pay attention to the following:
 - 3.1 If there is a fuse in the location where the pedal is used, remove the original fuse and install it in the fuse slot of the pedal. Then insert the pedal's fuse slot into the vehicle's fuse box. If there is no fuse in the pedal's location, directly insert the pedal's fuse slot into the vehicle's fuse box.
 - 3.2 When inserting the fuse slot into the vehicle's fuse box, strictly follow the directions in the picture. Inserting it incorrectly may cause abnormal vehicle functions.



Side step fuse



Side step fuse
Original vehicle fuse

The left motor wire (under the carpet of the driver's seat).



The right motor wire (under the carpet of the passenger seat).

Wiring diagram under the car

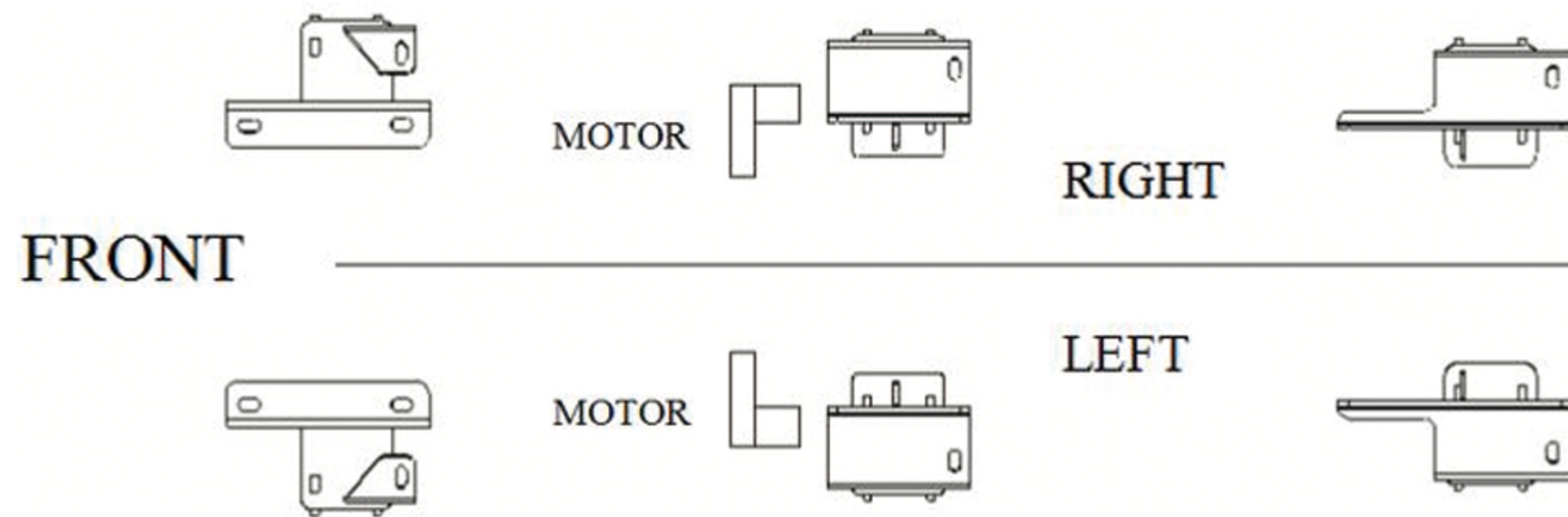
Precautions for motor cable wiring:

- 1.The white plug of the motor extension cable and the main wiring harness is not waterproof and must be placed in the car!
- 2.After the wiring harness passes through the wiring hole of the chassis, the silicone gel provided with the product must be used for water proofing!

Pedal installation

(floor plan)

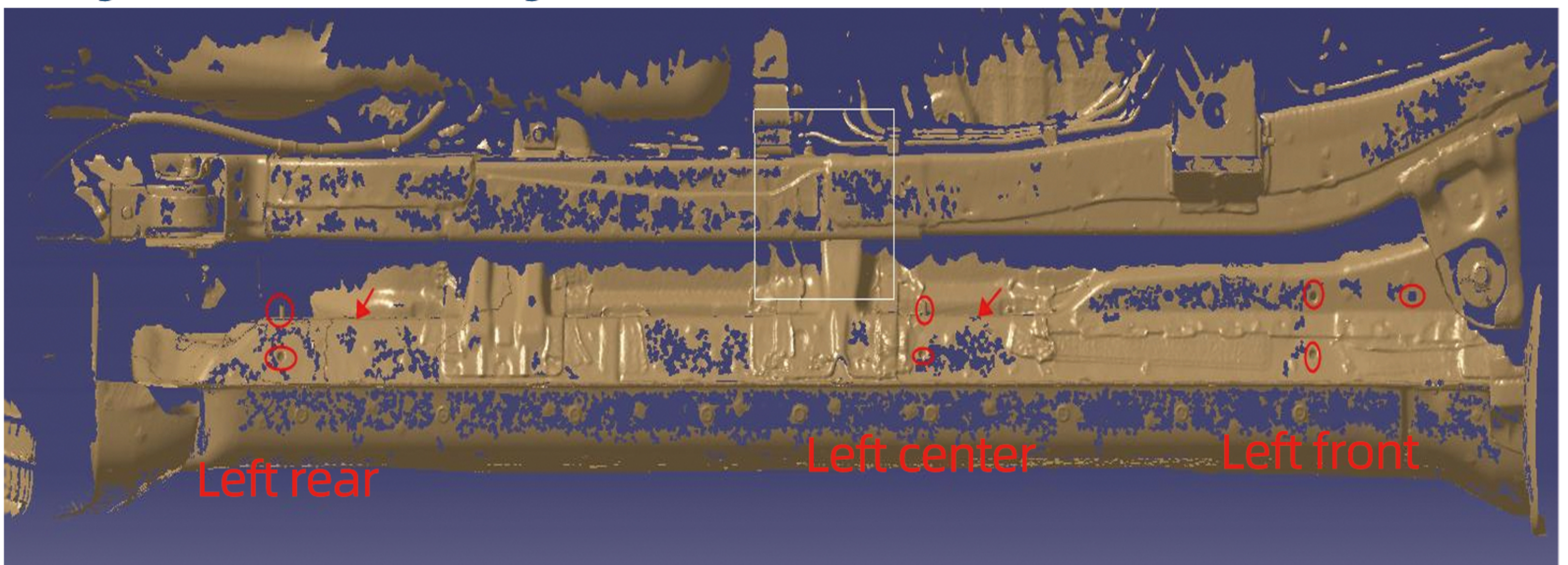
2022+ ISUZU D-MAX 4 doors Installation Instructions



Bracket Installation Position Correspondence:

LF:Left Front Bracket LR:Left Rear Bracket

RF:Right Front Bracket RR:Right Rear Bracket



(Left Side Hole Position Diagram)

Symmetrical Installation on Left and Right.



(Left Side Installation Diagram)

Symmetrical Installation on Left and Right.

Graphics card cable routing

✓ Proper cable routing.



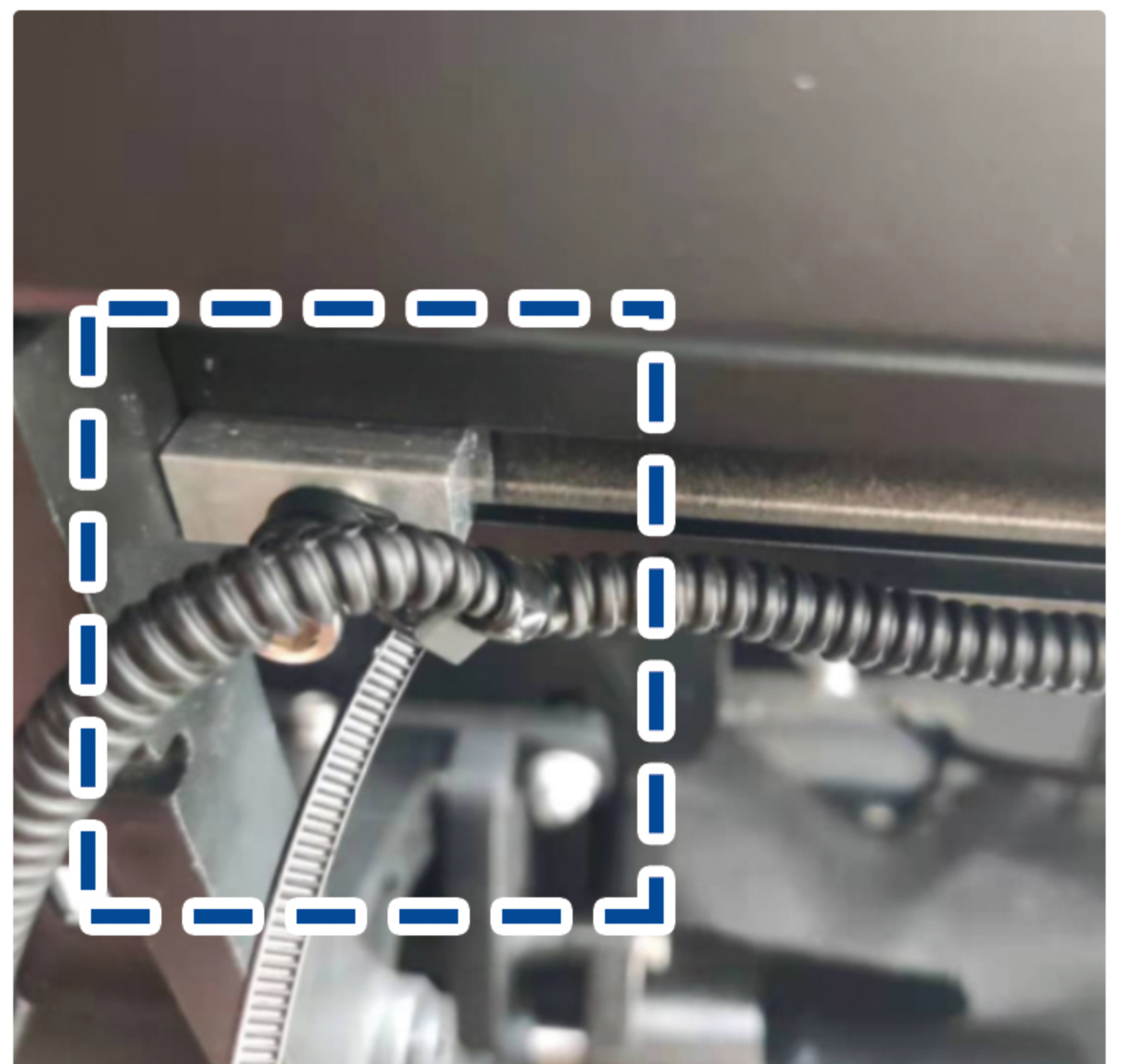
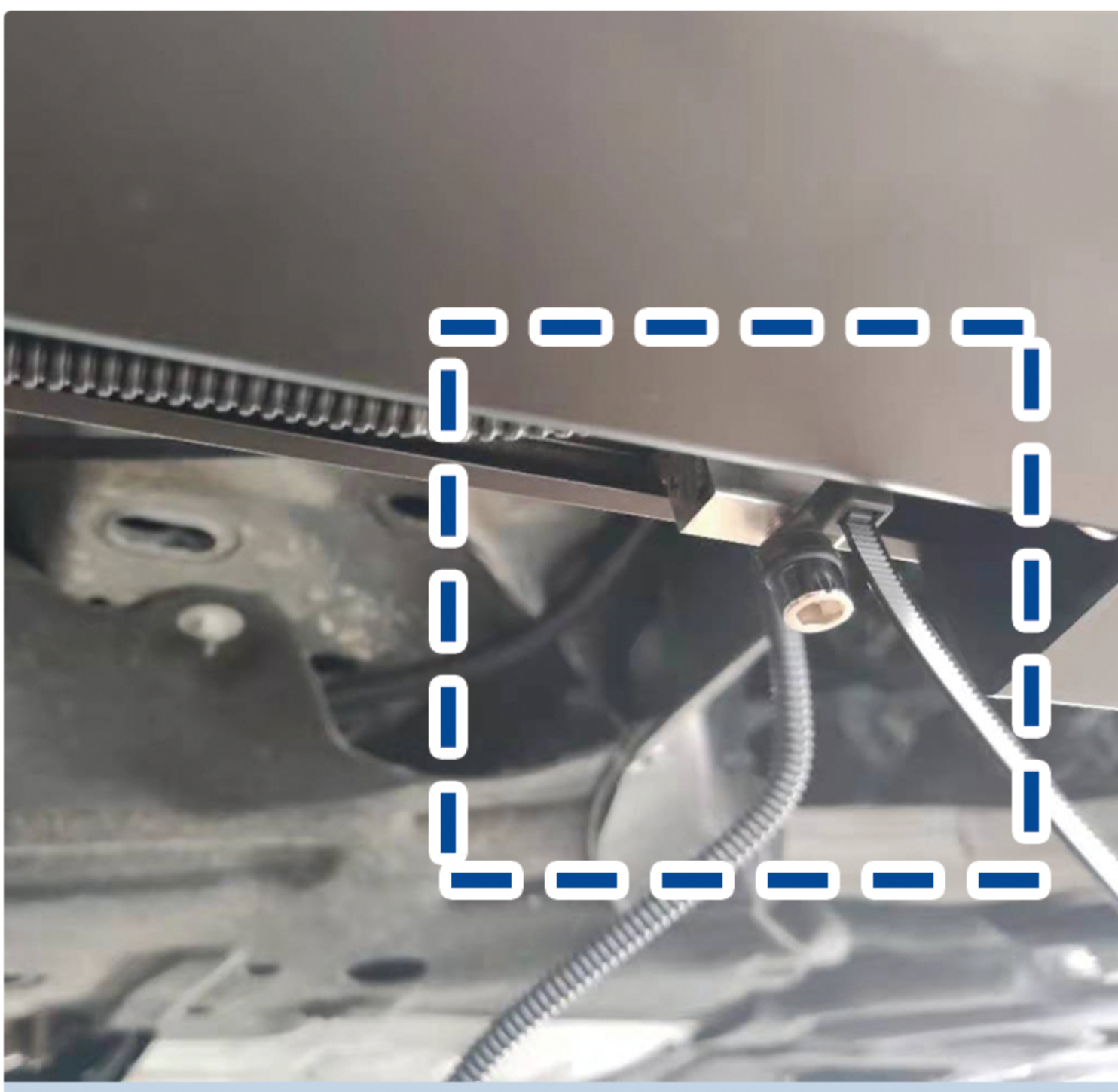
Proper method for routing light cables.

! Incorrect routing.



Incorrect light cable routing: cables must not cross over brackets or be pressed between brackets and the panel.

✓ Proper cable routing.



Secure the sliders and cable ties at both ends of the sliding

Notes:

Before performing any inspection or maintenance, ensure the vehicle is turned off and take appropriate safety measures. If you lack the relevant expertise, it is advisable to contact a professional technician to avoid causing further damage or safety hazards.

Maintenance and repair

Thank you for choosing the automotive electric pedal products manufactured by Foshan Votai Automotive Products Co., Ltd. To safeguard your rights and ensure safe usage, please carefully read the following disclaimer before installation and use. By installing or using this product, you confirm that you have read, understood, and agreed to all the contents of this disclaimer.

Warranty Terms

1. **Installation and Usage Responsibility:** Users must ensure that the electric pedal is installed correctly as per the product manual, and installation should only be carried out by professionals with appropriate skills. Incorrect installation may lead to malfunction, damage, or safety incidents. Users are solely responsible for any consequences arising from such errors.
2. **Modification and Third-Party Accessories:** Without explicit written permission from Foshan Votai Automotive Products Co., Ltd., any unauthorized modification of the electric pedal or use of non-original accessories may result in abnormal product functions, increased safety hazards, or other damages. In such cases of pedal installation, our company assumes no responsibility.
3. **Following the manual instructions,** we do not accept responsibility for injuries or losses caused by disregarding safety warnings. Regular maintenance checks are advised, and non-factory modifications leading to damage are not covered by warranty.
4. **Be cautious not to come into contact with corrosive liquids.** Please perform regular maintenance on the electric pedal when in use. Neglecting these responsibilities may result in issues that are not covered under warranty.

Troubleshooting

- (1) Check power supply
- (2) Door control signal check
- (3) Mechanical components inspection
- (4) Motor and sensor check
- (5) Control module and circuit check
- (6) Trial operation and reset

Lighting style APP settings

Function Introduction

Smartctr is a user terminal software designed to control electric pedals and retrieve information about them. This software can control the operation of the pedals, set operational parameters, and obtain operational information about the pedals.

2-1 Download the App

1. For Android Phones

Users can search for "smartctr" on Google Play and install it.

2. For Apple Phones

Users can search for "smartctr" in the Apple Store and install it.

2.2 Main Control Interface

After a successful connection, enter the main interface, which is the main control interface.

1. Status Reminder Introduction

 No door signal received

 Received door signal

 Pedal not locked

 Pedal locked

2. Introduction to control buttons

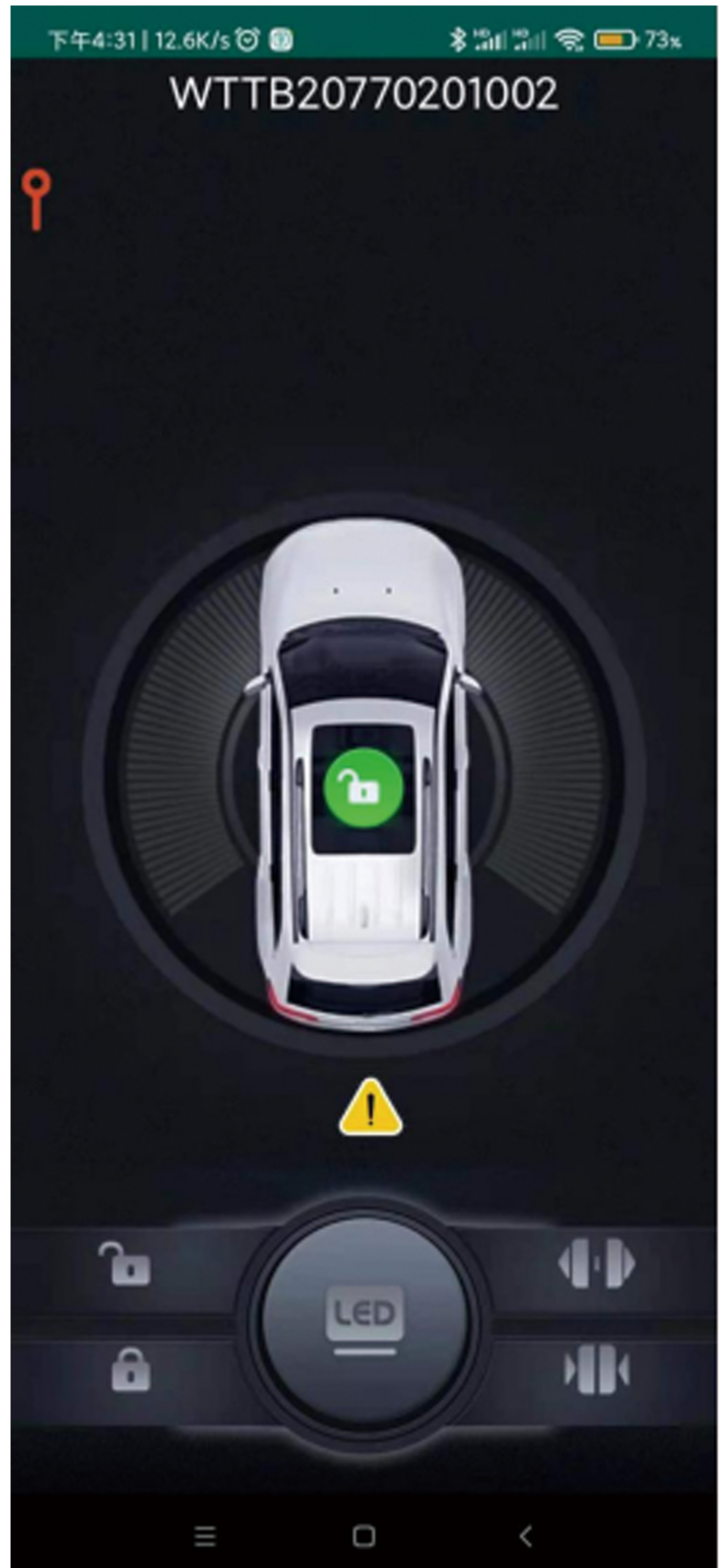
 Pedal open button.

 Pedal close button.

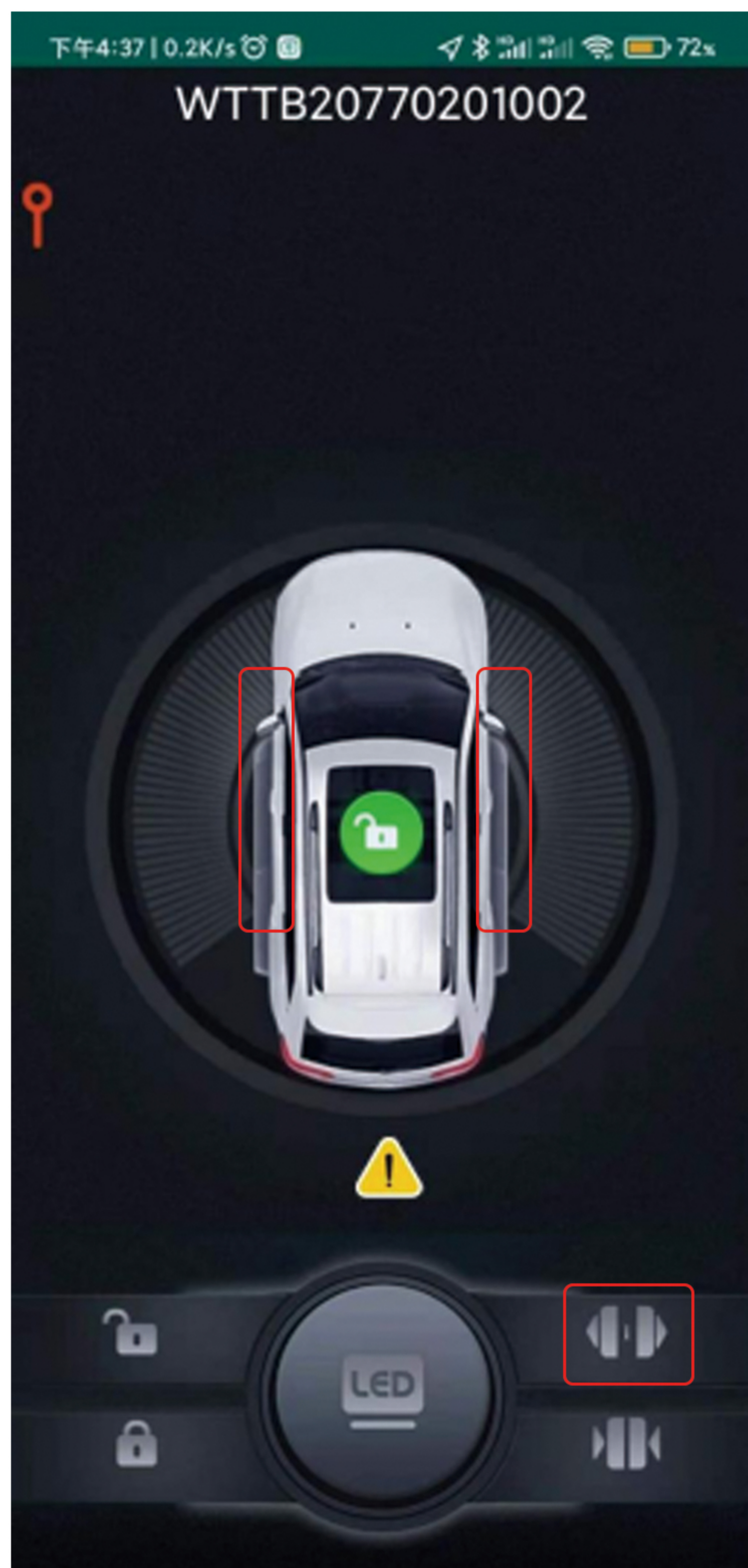
 Pedal unlock button.

 Pedal lock button.

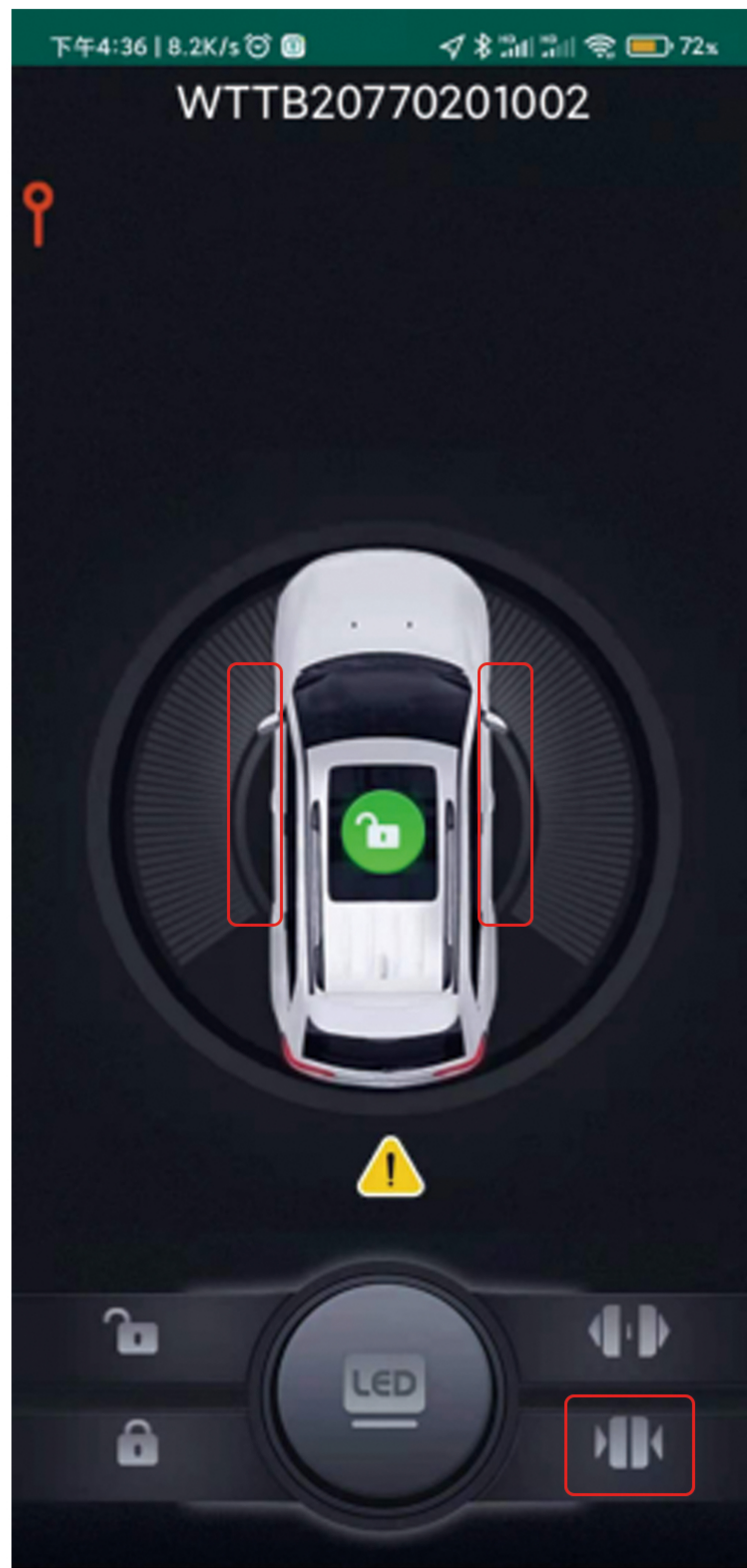
 LED setting button to enter the LED light setting page.



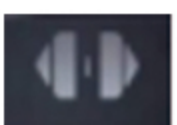

pedal switch



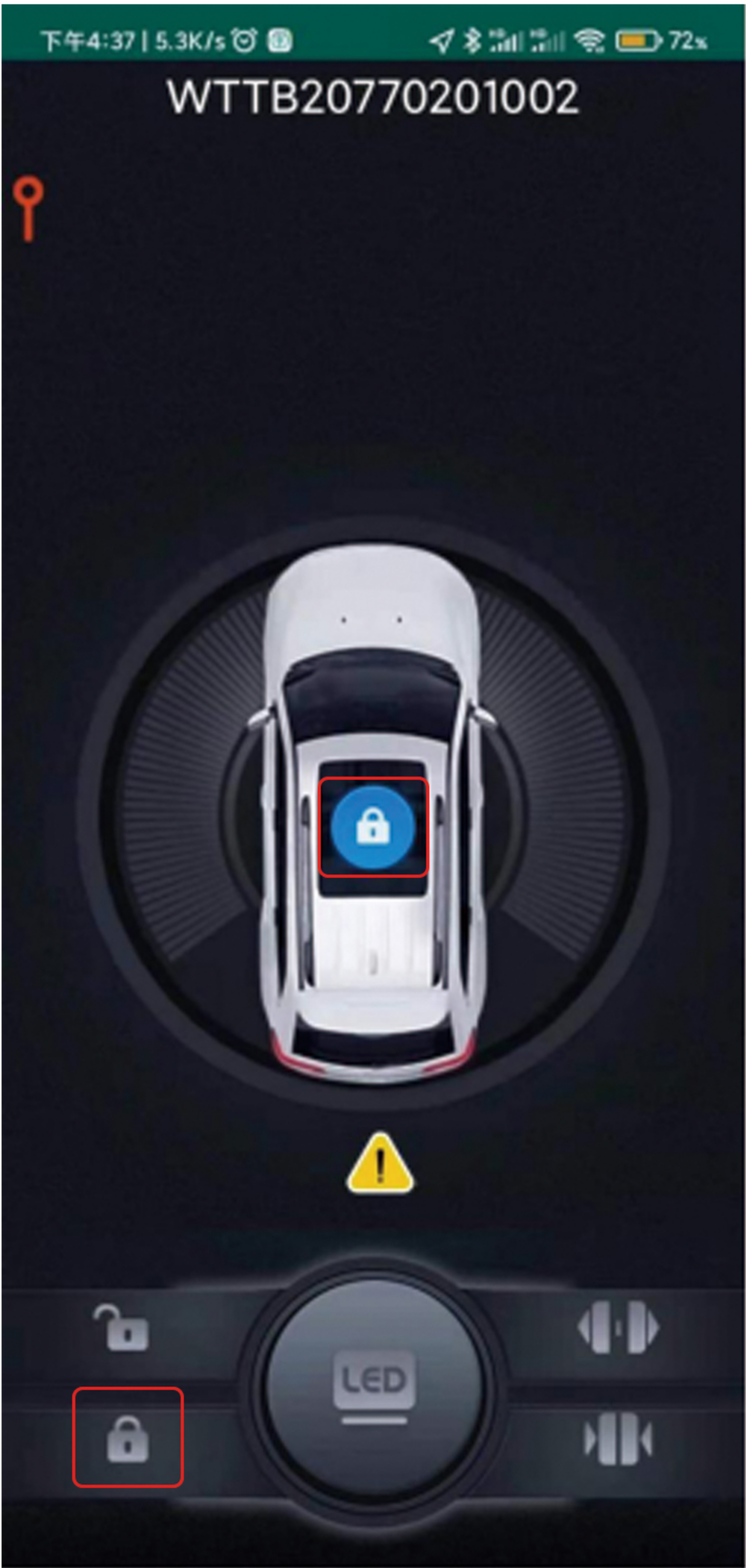
Running board extension



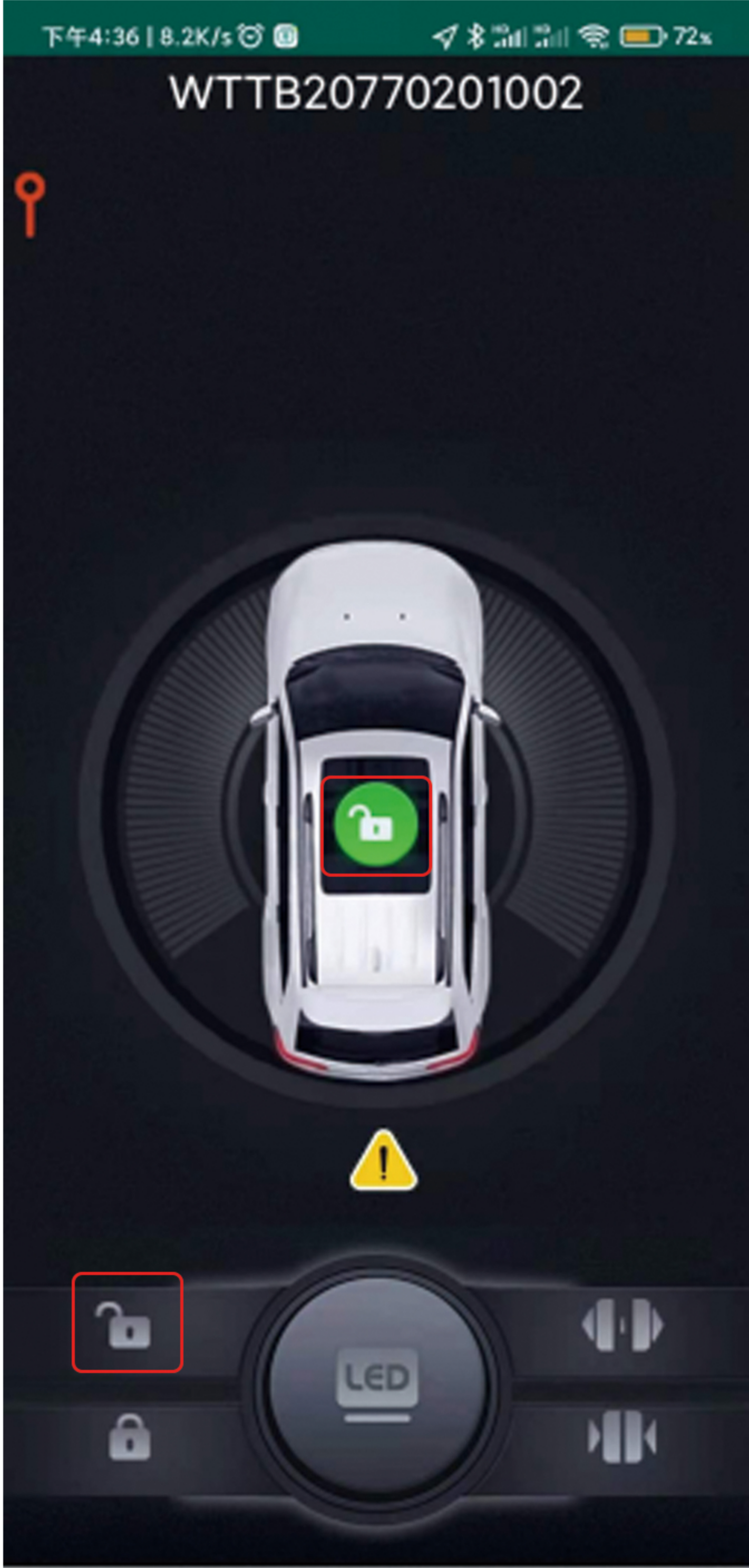
Running board retraction

3、 Electric running board entry and exit control, according to the diagram below  and  icon, You can control the opening and closing of the running board, and at the same time, the real-time status of the running board will be displayed in the middle car image.

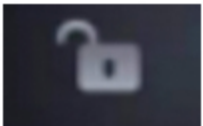
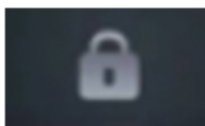
pedal lock




Pedals Locked



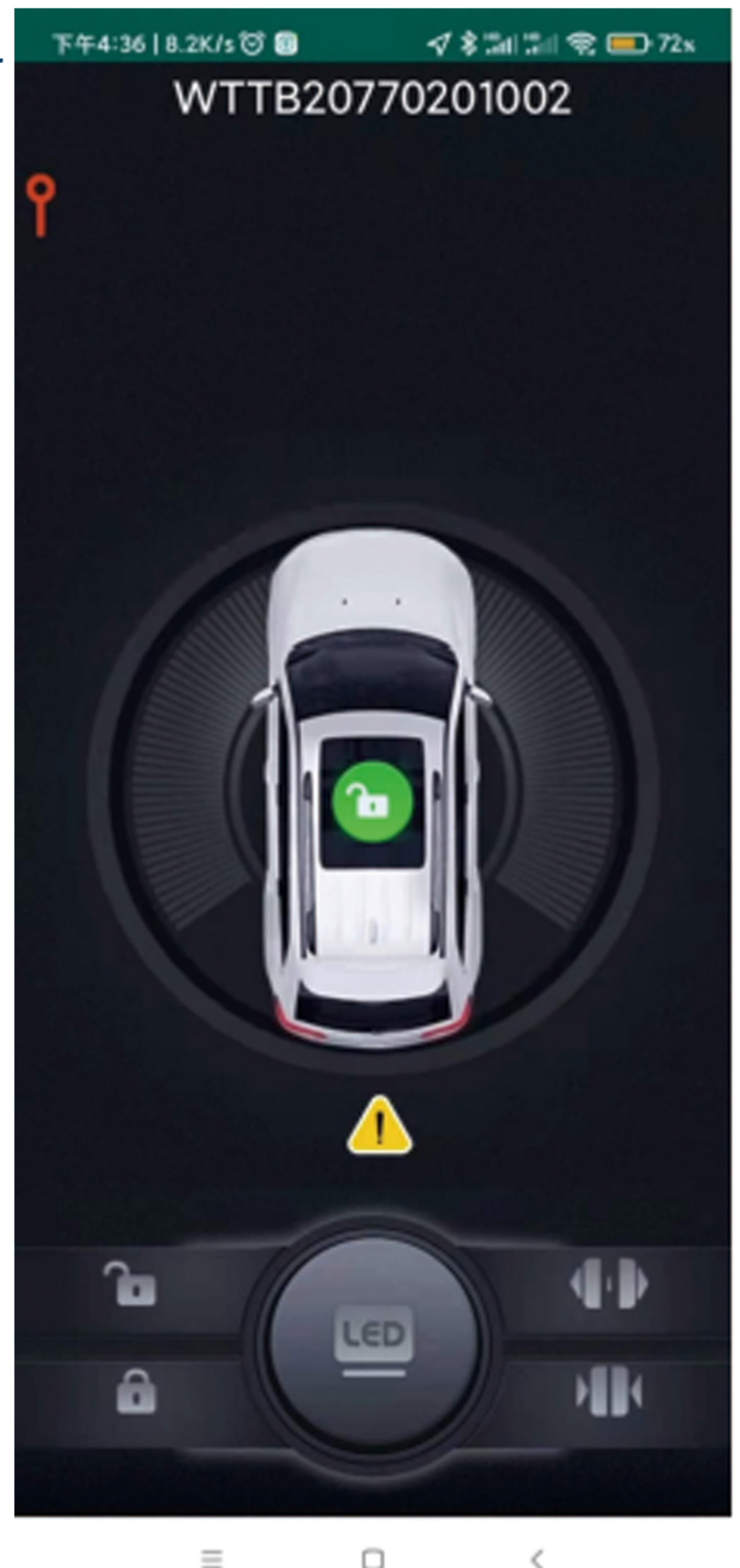
Pedals Unlock

4、 Electric running board lock, according to the bottom left corner of the picture above  and  Keys, It can be controlled to determine whether the running board is locked, and the real-time status of the locking of the running board will be displayed in the image in the upper right corner.

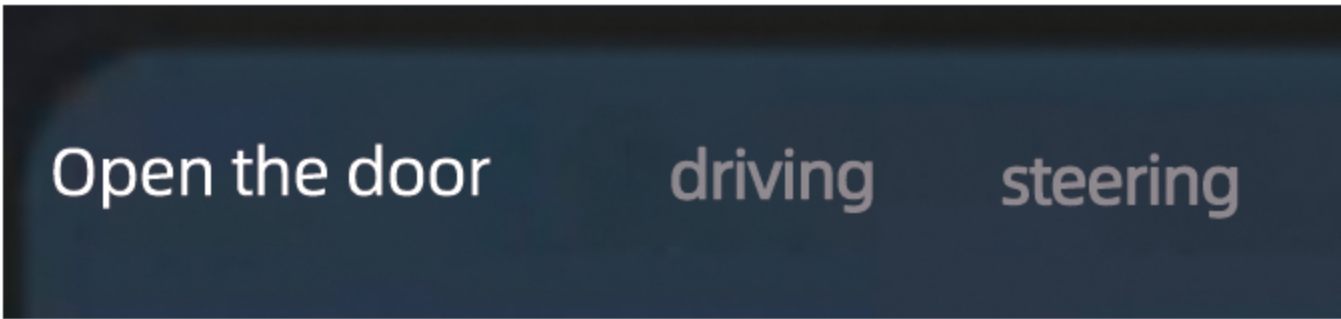
color mode

click  button Enter the LED light mode settings page and you can enter the following different modes:

- 1.Color tray fully lit: The selected color in the bright color tray.
- 2.Three color jump: red, green, and blue jump.
- 3.Three color flash: red, green, blue flash.
- 4.Seven color jump: red, green, blue, white,green, yellow, purple jump.
- 5.Seven color gradient: Red, green, blue, white, green, yellow, and purple slowly changing.
- 6.Three color gradient: red, green, and blue.
- 7.slowly changing
- 8.Seven color breathing: alternating breathing.
- 9.of red, green, blue, white, green, yellow,and purple.



Color mode



Choose different LED light variation styles.



Color tray, click to select color.

- Put out
- full color wheel
- color wheel strobing
- color wheel with 3-point rotation

Mode selection, swipe up and down to select lighting mode.

- 80%
- 90%
- 100%

Brightness selection, swipe up and down to select brightness.

