

# ELECTRIC TAILGATE FOOT SENSOR

## Installation instruction

### USAGE:

#### 1. Usage after power on:

After the first power on, the electric tailgate foot sensor needs about 10 seconds to operate. Do not perform kicking movements at this time otherwise it will need to wait for about 10 seconds more.

#### 2. Usage after stalling:

It takes about 5 seconds to recognize the electric tailgate foot sensor after turning off the engine.

#### 3. Usage during watering and rain:

When there is water flowing through the back observation instrument, the electric tailgate foot sensor does not work, when the water stops flowing (without water or large water droplets), the electric tailgate foot sensor waits for about 10 seconds to return to work. If there are only small water droplets, such as light rain, the electric tailgate foot sensor can still work, but due to the presence of small water droplets, the sensitivity is not as high as when dry.

#### 4. Anti-play mode:

After successfully kicking once, you need to wait for about 3 seconds kicking again otherwise it will not be recognized. Kicks that occur once every 1 second or every 2 seconds are not recognized. If you kick 5 times within 10 seconds, it will enter anti play mode. After the last kick, it will be blocked for 10 seconds before it will be restored.

#### 5. Special reminder:

① When customers wash their cars, they must lock the car and remove the key away from the sensing area or wash the car in ACC mode to avoid accidentally triggering the opening of the tailgate.

② When the customer repairs the car, they must lock the car and remove the key away from the sensing area or repairs the car in ACC mode to avoid accidentally triggering the opening of the tailgate.

③ After parking, if the customer leaves the vehicle, they must lock the car to avoid

accidentally triggering the tailgate opening. In the unlocked state, if there are pedestrians or animals approaching and passing through the sensing area, there is a similar kick signal, which can easily trigger the tailgate to open by mistake.

### **Proper maintenance of the vehicle body is required before installation:**

1. The installation position of the product is inside the rear bumper, away from metal such as the rear bumper and exhaust pipe by more than 10cm.
2. During product installation, it is necessary to ensure that the product avoids reinforcing ribs inside the rear bumper.
3. After product installation, it is necessary to ensure that the left and right sensing strips are tightly attached to the flat surface of the bumper and there is no lifting phenomenon.
4. After installation, wait for 10 seconds for the module to perform adaptive learning before starting normal operation
5. Use normal kicking movements, with the foot surface 5-15cm away from the sensor.
6. After completing the door opening or closing action, wait 2-3 seconds before proceeding to the next action.
7. Before installing the electric tailgate foot sensor, check the functionality of the car and the surface condition of the body. If any defects are found, they should be communicated with the customer in a timely manner.
8. Be careful when disassembling and assembling the original car decorative panel to avoid damage and breakage. In some areas, corresponding disassembly tools may be needed.

### **Wire harness description:**

1. Kick induction module:

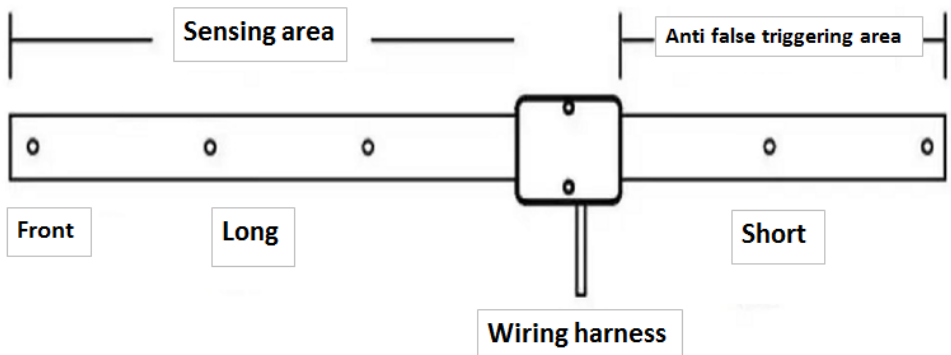


2. Kick extension wire (there are two grounding wires, you can choose any one of them, unused grounding wires need to be wrapped with tape).

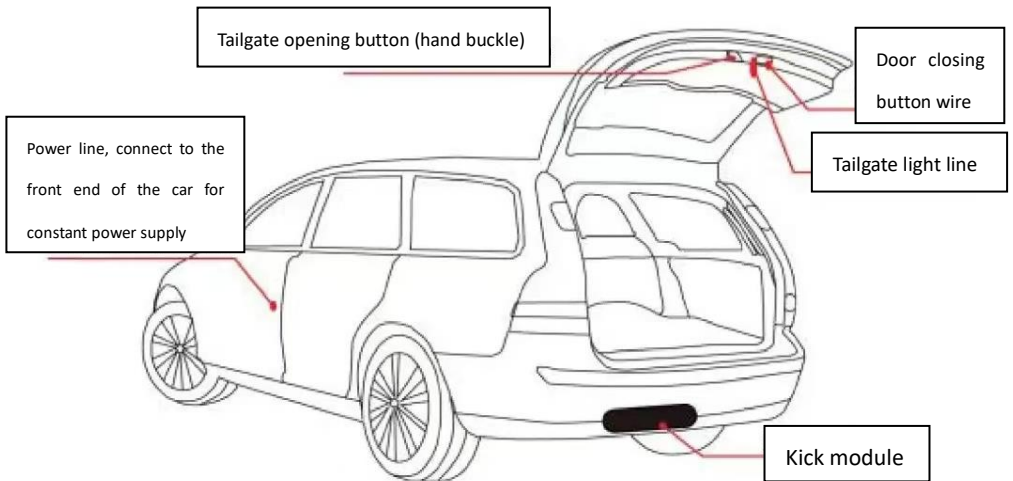


## Install and use:

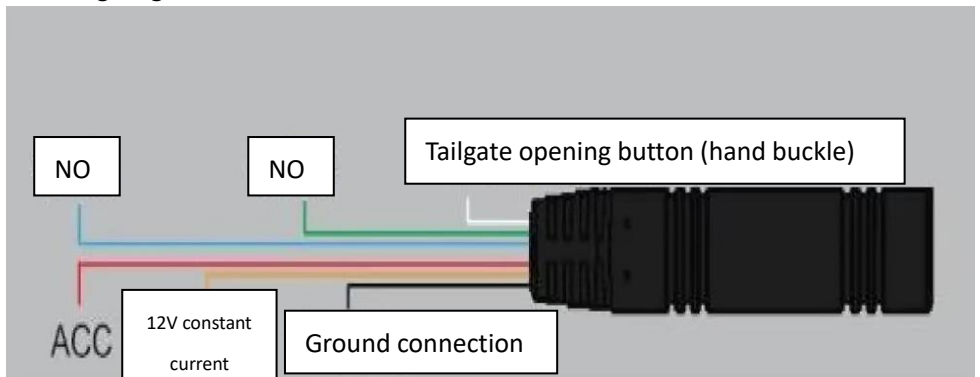
### 1. Front view of foot kick:



Attention: After installation is completed, the sensing area (long) and the anti-false triggering area (short) need to be kicked or swept in the sensing area to trigger the foot kick action. If the foot kick action is in the anti-false triggering area, the electric tailgate foot sensor will not be triggered.



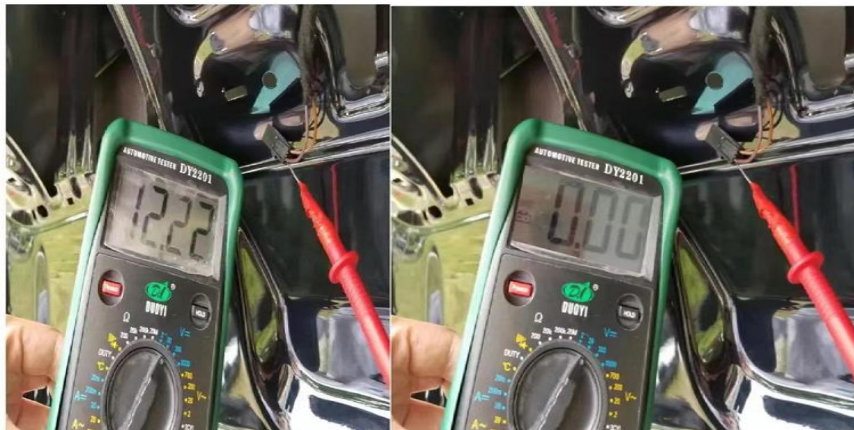
## 2. Wiring diagram:



- Yellow wire: Connected to normal 12V;
- Red line: Connected to ACC power (the kick function is blocked after the car starts);
- Black wire: Connect to the nearest ground wire (**there are two ground wires, you can choose to connect any one of them, and unused ground wires need to be wrapped with tape**);
- White line: Connect to the door handle signal line;
- Blue line: No need to connect;
- Green line: No need to connect.

3. The white trigger wire is usually connected to the signal wire behind the tailgate buckle button. The search method is: 12V when the buckle button is not pressed (the test pen is on), 0V when the buckle button is held down (the test pen is off), as shown

in the following figure:



## Installation steps:

1. Clean the mud and sand from the installation position of the foot sensor.



2. Fix the fixing clip onto the foot kick sensing strip.



3. Fix the foot sensor to the installation position of the foot kick.



4. Find the original tailgate button trigger button (tailgate handle button trigger wire).



5. Kick trigger wire, white wire connected to the original tailgate button trigger wire (tailgate buckle).



6. Connect the power supply line of the foot kick to the original car safety position (the yellow line is normally powered, the red line is ACC, and the black line is the ground wire).

