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YUANJS YUANJSe3dm9vgyuo

Instruction Manual

YUANJS Universal Car Foot Sensor Kick Activated Electric Tailgate Trunk Release Opener

Model: YUANJSe3dm9vgyuo

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your YUANJS Universal Car Foot Sensor. This device is designed to enhance convenience by allowing hands-free operation of your vehicle's electric tailgate, particularly useful when your hands are occupied. The sensor accurately detects foot movements, enabling quick and responsive trunk opening and closing for vehicles equipped with an electric tailgate and Keyless-Go function.

SAFETY INFORMATION

- Ensure the vehicle is parked on a level surface and the engine is off before installation or maintenance.
- Disconnect the vehicle's battery before performing any electrical work to prevent short circuits or electrical shock.
- Always follow vehicle manufacturer's guidelines when modifying electrical systems.
- Keep hands and feet clear of the tailgate when it is in motion.
- Do not attempt to install if you are not familiar with automotive electrical systems. Seek professional assistance if necessary.

PACKAGE CONTENTS

Please verify that all components are present in the package:

- 2 x Electric Wire
- 1 x Sensor Unit
- 2 x Screw
- 1 x Warranty Hangtag

- 1 x Sticker



Figure 1: Complete package contents of the YUANJS Tailgate Kick Sensor.

SETUP AND INSTALLATION

Installation of the YUANJS Tailgate Kick Sensor requires basic automotive electrical knowledge. It is recommended to consult a professional if you are unsure about any steps.

1. **Preparation:** Ensure the vehicle is off and the battery is disconnected. Identify the location under the rear bumper where the sensor will be mounted. This area should be clear of obstructions and allow for proper foot movement detection.
2. **Mounting the Sensor:** Secure the sensor unit to a flat, stable surface under the rear bumper using the provided screws. Ensure the "UP" marking on the sensor faces upwards. The sensor should be positioned centrally, allowing for easy foot access.
3. **Wiring Connection:**
 - Connect the power wires from the sensor to the vehicle's power supply (e.g., constant 12V and ground).
 - Connect the signal wire from the sensor to the electric tailgate control module. This connection is crucial and may vary depending on your vehicle's make and model. Refer to your vehicle's wiring diagram or consult a professional for precise connection points.

4. **Cable Management:** Route all wires securely, away from moving parts, heat sources, and sharp edges. Use cable ties or clips to prevent loose wiring.
5. **Testing:** Reconnect the vehicle's battery. Test the sensor's functionality by performing the kick motion as described in the Operating Instructions section.



Figure 2: Close-up of the sensor unit, showing the 'UP' orientation mark.

OPERATING INSTRUCTIONS

The YUANJS Tailgate Kick Sensor allows for convenient hands-free operation of your electric tailgate.

1. Opening the Tailgate:

- Ensure your vehicle's Keyless-Go function is active and the key fob is within range (e.g., in your pocket or bag).
- Stand behind the vehicle, facing the tailgate.
- Perform a quick, single kick motion under the center of the rear bumper where the sensor is installed. Do not linger your foot under the sensor.
- The tailgate will automatically open.

2. Closing the Tailgate:

- To close the tailgate, you can either press the tailgate close button (if available) or perform the same quick, single kick motion under the sensor.
- The tailgate will automatically close.



Figure 3: Demonstrating the foot kick motion for tailgate activation.

MAINTENANCE

The YUANJS Tailgate Kick Sensor is designed for low maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Periodically clean the sensor unit and the area around it to remove dirt, mud, or debris that might obstruct its operation. Use a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the wiring and connections for any signs of wear, damage, or corrosion. Ensure all connections remain secure.
- **Environmental Factors:** Extreme weather conditions (heavy snow, ice, or standing water) may temporarily affect sensor performance. Ensure the sensor area is clear before attempting to use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tailgate does not open/close with kick motion.	<p>Key fob not within range or Keyless-Go inactive.</p> <p>Incorrect kick motion.</p> <p>Sensor obstructed by dirt/debris.</p> <p>Loose or incorrect wiring connection.</p> <p>Vehicle doors are locked and key is not present.</p>	<p>Ensure key fob is with you and Keyless-Go is active.</p> <p>Perform a single, quick kick motion directly under the sensor.</p> <p>Clean the sensor area.</p> <p>Check all wiring connections, especially the signal wire to the tailgate module.</p> <p>Ensure vehicle doors are unlocked or key is present when attempting to open.</p>
Tailgate opens but does not close with kick motion.	<p>Some vehicle models or installations may only support opening via kick sensor.</p> <p>Specific wiring configuration required for closing functionality.</p>	<p>Verify if your specific vehicle and installation supports closing via kick sensor.</p> <p>Consult a professional to check if the wiring can be configured for closing functionality.</p> <p>Use the vehicle's internal tailgate close button as an alternative.</p>
Intermittent operation.	<p>Weak battery in key fob.</p> <p>Environmental interference (e.g., heavy rain, snow).</p> <p>Sensor mounting position or angle.</p>	<p>Replace key fob battery.</p> <p>Ensure sensor is clear of elements.</p> <p>Re-evaluate sensor mounting for optimal detection.</p>

SPECIFICATIONS

Feature	Detail
Product Type	Car Foot Sensor
Material	ABS
Color	As picture shown (Typically Black)
Application	Universal for car models with electric tailgate
Item Weight	9.9 ounces
Manufacturer Part Number	YUANJSe3dm9vgyuo

WARRANTY AND SUPPORT

For warranty information, please refer to the Warranty Hangtag included in your package. For technical support or further assistance, please contact YUANJS customer service through the retailer where the product was purchased.

Please have your model number (YUANJSe3dm9vgyuo) and purchase details ready when contacting support.

