

EASYGUARD ES002-P5

EASYGUARD ES002-P5 Push Start Button Kit User Manual

Model: ES002-P5

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the EASYGUARD ES002-P5 Push Start Button Kit. This system is designed to upgrade your vehicle with a push-button engine start/stop function and keyless go capabilities. It is compatible with most DC12V vehicles, including both diesel and petrol engines, and manual or automatic transmissions.

2. IMPORTANT NOTES AND SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of this system requires advanced knowledge of car electrical systems. Professional car alarm installer installation is highly recommended to ensure correct functionality and prevent damage to your vehicle.
- **Steering Wheel Lock:** When installing the system, it is necessary to release, unlock, or remove the steering wheel lock if your vehicle is equipped with one.
- **Remote Engine Start:** The remote engine start function is only available for automatic transmission vehicles. To utilize this feature, your existing remote (key fob) must provide three locking pulses when the lock button is pressed three times consecutively. If this condition is not met, the remote engine start function will not be available.
- **No Remote/Key Fob Included:** This kit does not include a remote or key fob. It is designed to work with your vehicle's existing factory or aftermarket remote/key fobs.
- **Immobilizer Bypass:** If your original car remote control (key) contains a chip immobilizer, an additional bypass module (e.g., ASIN: B00MEHBVIC) is required. Universal bypass modules are generally compatible, excluding DATA or CAN-BUS style modules.
- **LED Indicator:** The engine start button LED illuminates blue when the system is disarmed, and when ACC or ON modes are active. It changes to purple once the vehicle engine has started.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Control module x 1
- Push button x 1
- 6P ignition harness x 1
- Wire harness x 1

4. SETUP AND INSTALLATION

Due to the complexity of vehicle electrical systems, detailed step-by-step installation instructions are provided in a separate guide included with your product. This section outlines general considerations and component identification.

4.1 Component Overview

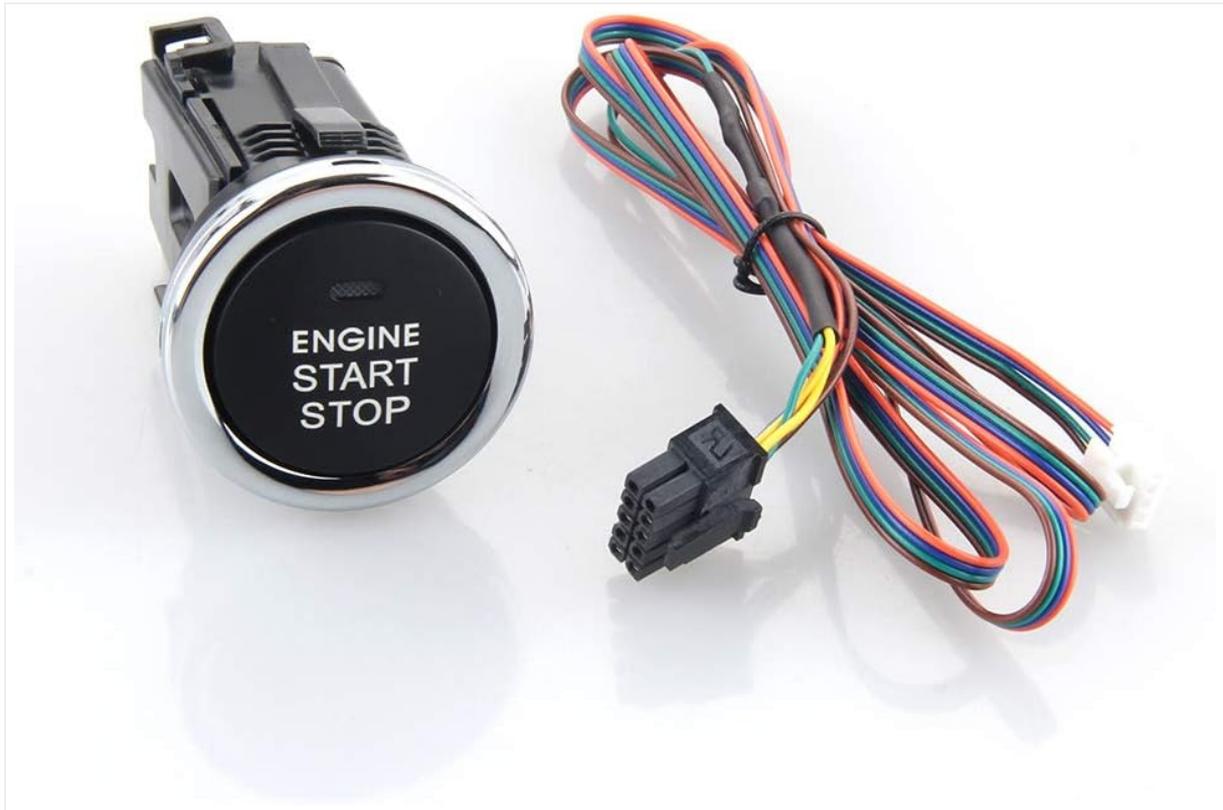


Figure 4.1: The push start button and its accompanying wiring harness. This image shows the main push button with a chrome ring and the multi-colored wires of the harness connected to a white connector.



Figure 4.2: Top view of the EASYGUARD control module. The module is black with the "EASYGUARD" logo embossed on the top surface. A red DIP switch block is visible on one side.



Figure 4.3: Angled view of the EASYGUARD control module, showing various connectors for wiring. Multiple white and black connectors are visible on the sides of the black module.

4.2 Button Dimensions and LED Colors

Button size & color



When disarm, turn on ACC, ON:
Blue color



When start the vehicle:
purple

Figure 4.4: Detailed view of the push start button, illustrating its dimensions (70mm total length, 41mm diameter, 30mm visible diameter) and LED color states. The button glows blue when disarmed, ACC, or ON, and purple when the engine is started.



Figure 4.5: Side profile of the push start button, showing its depth and mounting mechanism. This view highlights the black plastic housing and the chrome ring around the button face.

Ensure adequate space is available for the push button's depth during installation. Refer to Figure 4.4 for precise dimensions.

5. OPERATING INSTRUCTIONS

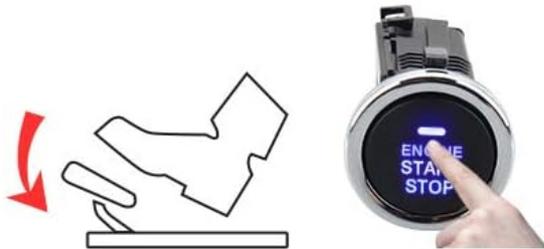
The EASYGUARD ES002-P5 system offers two primary methods for starting the vehicle and a simple method for shutting it off.

5.1 Starting the Car

How to start the car?

Method 1

In disarm status, stepping on foot brake pedal & short press the push start button once will start the car



Method 2

In disarm status, keep hold pressing the start button 3 seconds while stepping on footbrake pedal will start the car



How to shut off the car?

Once the car is started, stepping on foot brake pedal and short press push start button once will shut off the engine.

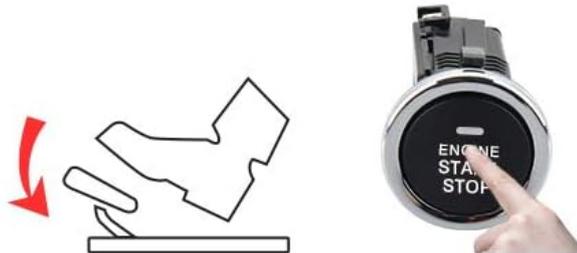


Figure 5.1: Visual guide demonstrating two methods to start the vehicle using the push start button. Method 1 involves a single short press while pressing the brake pedal. Method 2 involves holding the button for 3 seconds while pressing the brake pedal.

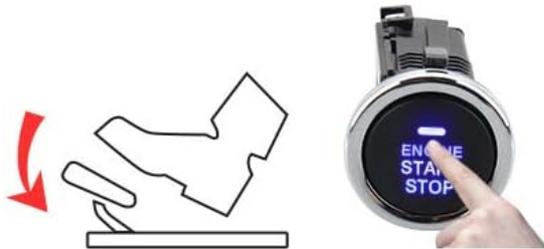
1. **Method 1 (Short Press):** While the system is disarmed, step on the foot brake pedal and then briefly press the push start button once. The engine will start.
2. **Method 2 (Long Press):** While the system is disarmed, keep the foot brake pedal pressed and hold the push start button for approximately 3 seconds. The engine will start.

5.2 Shutting Off the Car

How to start the car?

Method 1

In disarm status, stepping on foot brake pedal & short press the push start button once will start the car



Method 2

In disarm status, keep hold pressing the start button 3 seconds while stepping on footbrake pedal will start the car



How to shut off the car?

Once the car is started, stepping on foot brake pedal and short press push start button once will shut off the engine.

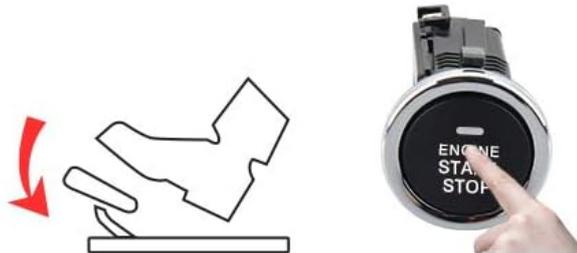


Figure 5.2: Visual guide demonstrating how to shut off the vehicle. Once the car is started, step on the foot brake pedal and short press the push start button once to turn off the engine.

Once the car engine is running, step on the foot brake pedal and briefly press the push start button once. This action will shut off the engine.

5.3 Switching ACC-ON-OFF Modes

The system allows switching between ACC (Accessory), ON (Ignition), and OFF modes without starting the engine. This functionality is typically achieved by pressing the start button without pressing the brake pedal. Refer to the detailed installation guide for specific sequences if not immediately apparent.

6. MAINTENANCE

The EASYGUARD ES002-P5 Push Start Button Kit is designed for minimal maintenance. Ensure all wiring connections remain secure and free from corrosion. Periodically check the push button for any physical damage or debris that might impede its operation. No user-serviceable parts are inside the control module.

7. TROUBLESHOOTING

If you encounter issues with your EASYGUARD ES002-P5 system, consider the following common

troubleshooting steps:

- **Engine Not Starting:**

- Ensure the foot brake pedal is fully depressed when attempting to start the engine.
- Verify that the system is disarmed.
- Check all wiring connections for looseness or corrosion.
- If your vehicle has a chip immobilizer, confirm that the bypass module is correctly installed and functioning.

- **Remote Engine Start Not Working:**

- Confirm your vehicle has an automatic transmission.
- Verify that your existing remote (key fob) sends three locking pulses when the lock button is pressed three times. This is a requirement for the remote start feature.

- **Button LED Color Incorrect:**

- Blue indicates disarmed, ACC, or ON mode. Purple indicates the engine is running. If the colors do not match the operational state, re-check wiring to the button.

- **Steering Wheel Remains Locked:**

- Ensure the steering wheel lock has been properly released, unlocked, or removed as part of the installation process. This is a critical step for proper system function.

For persistent issues, it is strongly recommended to consult a professional car alarm installer or contact technical support.

8. SPECIFICATIONS

Feature	Detail
Model Number	ES002-P5
Brand	EASYGUARD
Compatible Devices	Most DC12V cars (Diesel & Petrol, Manual & Automatic)
Item Weight	0.634 ounces
Product Dimensions	6.69 x 5.51 x 1.97 inches
Wireless Remote	No (Works with existing remotes)
Manufacturer	Zhongshan EASYGUARD electronics ltd

8.1 Control Module Dimensions

Dimension

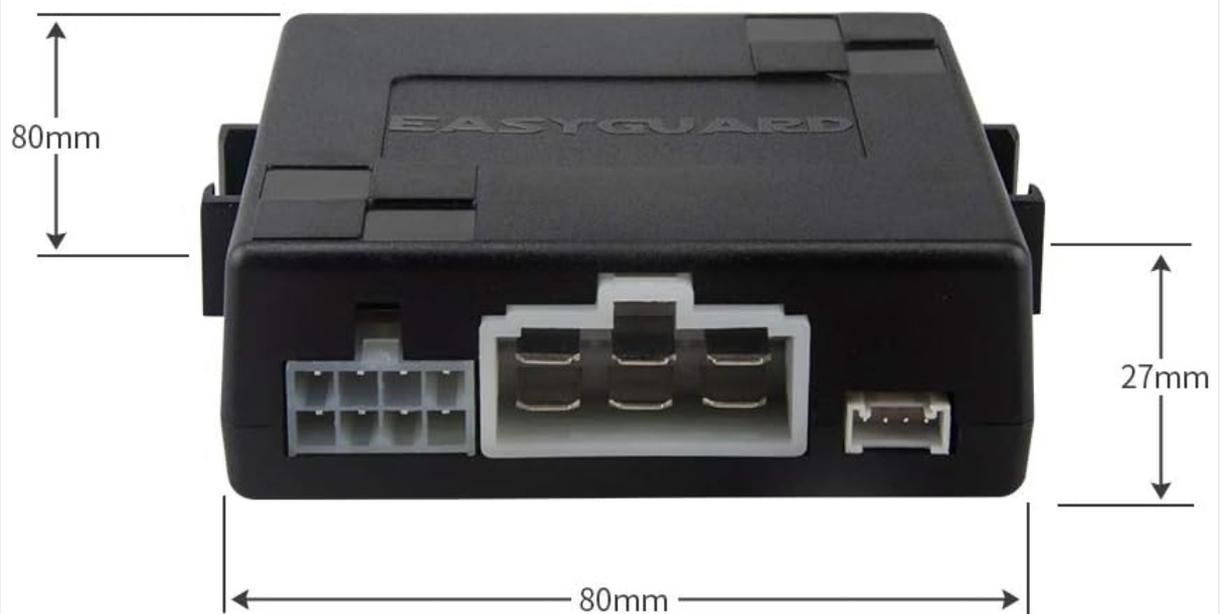


Figure 8.1: Dimensions of the EASYGUARD control module, showing a length and width of 80mm and a height of 27mm. This provides critical information for finding a suitable mounting location.

9. WARRANTY INFORMATION

Specific warranty details for the EASYGUARD ES002-P5 Push Start Button Kit are typically provided with the product packaging or can be obtained by contacting EASYGUARD customer support directly. Please retain your proof of purchase for any warranty claims.

10. TECHNICAL SUPPORT

EASYGUARD is committed to providing technical support for its products. If you require assistance with installation, troubleshooting, or have any questions regarding the ES002-P5 kit, please refer to the contact information provided in your product documentation or visit the official EASYGUARD website. Professional installation is highly recommended for this product.