

EASYGUARD EC212PP-1-FOR1720

EASYGUARD EC212PP Plug & Play Remote Starter

INSTRUCTION MANUAL

1. Product Overview

The EASYGUARD EC212PP is a plug-and-play remote starter system designed to add remote start and stop functionality to your vehicle using your existing factory remote control. This system integrates seamlessly with your car's original electronics, providing convenience without requiring additional remote fobs.

2. Vehicle Compatibility

This remote starter is specifically designed for:

- Toyota Fortuner (2016-2021)
- Toyota Hilux (2016-2021)

Important Compatibility Notes:

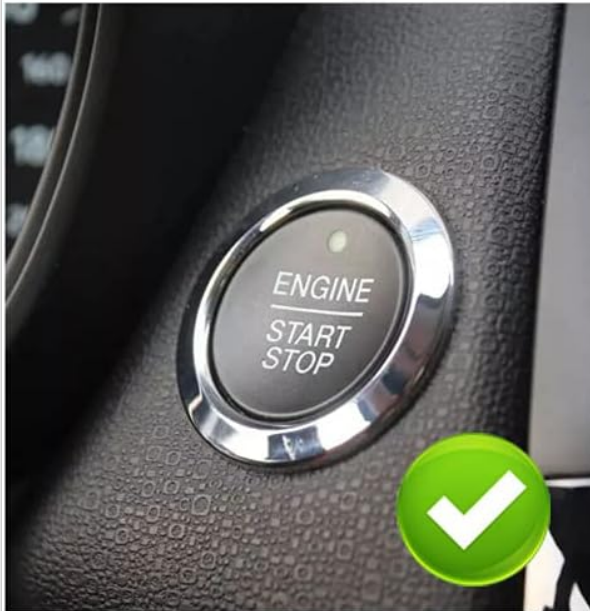
- Only compatible with vehicles equipped with an original factory push-start button.
- Only compatible with gas engines and automatic transmissions.
- Not compatible with hybrid vehicles or key-start cars.

Vehicle Requirements

Only Fit for Cars as Below

Toyota Fortuner 2017-2020

Toyota Hilux 2017-2020



Only for Cars with Original Push Start Button

Not Work with Key Start Vehicle

Gas Engine & Automation Transmission Only

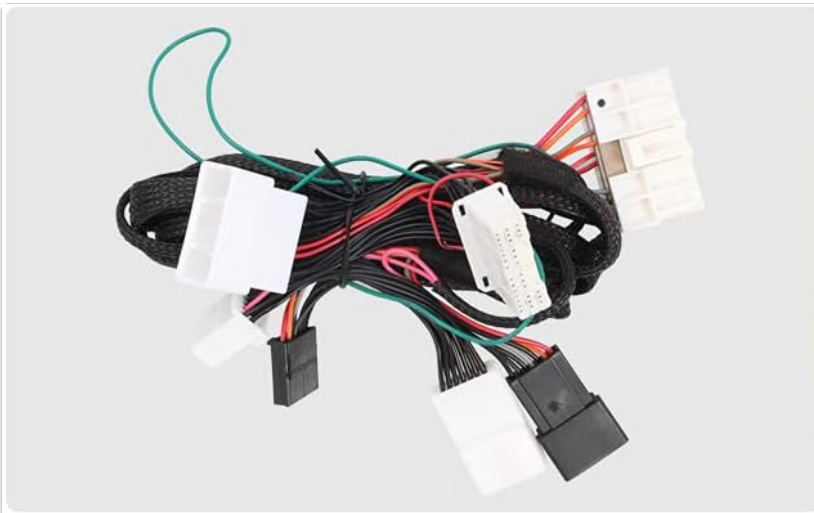
This image illustrates the vehicle requirements: compatible with push-start buttons (left) and not compatible with key-start ignitions (right).

3. Main Features

- Remote start and stop using your factory key fob.
- Door unlocking when shifting gear to Park (P) or when the engine stops.
- Engine stop unlock feature.
- Door unclosed warning while driving.
- Window closing when locking (optional, car model dependent).
- Door violated alarm.
- Plug and play installation with no damage to the car's circuit.
- CAN BUS Compatible.

4. Installation

The EC212PP system is designed for plug-and-play installation, minimizing the need for complex wiring. It includes a T-harness for direct connection to your vehicle's existing ports.



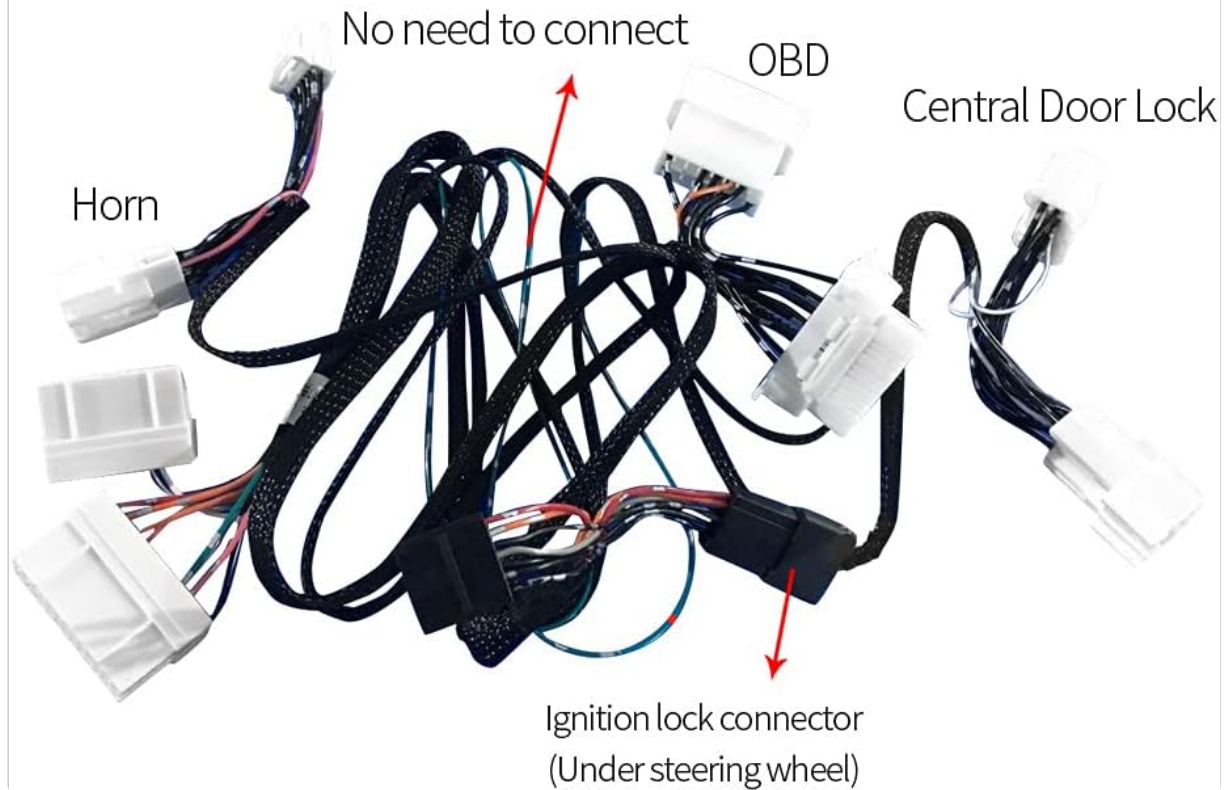
T-harness included



Plug and play
installation & no
damage on car
circuit

The kit includes a T-harness for simple plug-and-play installation, ensuring no damage to the car's original wiring.

The Harness



This image shows the various connectors on the harness, including connections for the horn, central door lock, and ignition lock. Note that the OBD connection is not required.

Wiring Diagram



This wiring diagram indicates the typical locations for connecting the remote starter module, including the ignition lock connector (under the steering wheel) and the horn connection. The OBD port is also shown for reference, though not used for connection.

It is recommended that installation be performed by a qualified alarm installer to ensure proper functionality and safety.

5. Programming Procedure

After completing the physical installation, the system requires programming to synchronize with your vehicle. Ensure the ignition is turned OFF before starting the programming process.

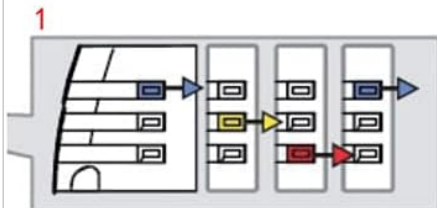
Programming Procedure

Once finished installation, you need to do a new programming.
Before programming, please be sure the ignition is turn OFF.

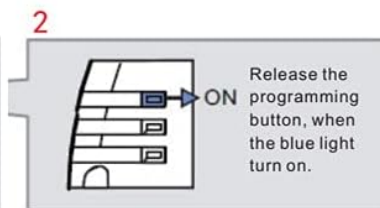


Programming procedure:

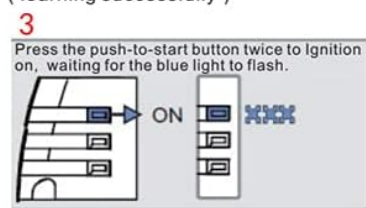
Step 1: Press and hold the programming button, then plug in the connector of the Control Module, the LED will alternate between BLUE, YELLOW and RED flashes.



Step 2: Release the programming button, and then only the blue LED is on and it will not flash.



Step 3: Do not press the brake pedal and Press the push-to-start button twice to Ignition on then the blue light will off, 3 or 5 seconds later it will flash rapidly (learning successfully)



Note: Before programming, please be sure the ignition is OFF, If the programming procedure is abnormal, please program again.

This image illustrates the programming steps, including locating the programming button on the control module and observing the LED flashes.

Programming Button



A close-up of the control module, clearly showing the red programming button.

Programming Steps:

1. **Step 1:** Press and hold the programming button on the control module. Then, plug in the main connector to the control module. The LED will alternate between blue, yellow, and red flashes.
2. **Step 2:** Release the programming button when the blue light illuminates continuously.
3. **Step 3:** Do not press the brake pedal. Press the push-to-start button twice to turn the ignition ON. The blue LED light will turn off, then flash rapidly after 3-5 seconds, indicating successful learning.

If the programming procedure is abnormal, please repeat the steps. For technical support, visit www.ieasyguard.com or email sales@ieasyguard.com.

Your browser does not support the video tag.

This video demonstrates the programming method for the EC212PP remote starter module.

6. Operation

Remote Start/Stop:

To remote start or stop your vehicle, use your original factory remote control.

1. Ensure the vehicle is locked.
2. Press the lock button on your factory remote control three (3) times consecutively.
3. Pressing the lock button three (3) times again will turn off the engine.

When pressing the lock button, avoid pressing too fast or too slow; aim for approximately one second per press.

Remote Engine Start

There is no remote control in this kit, you need to use your original remote control to remote start/stop the vehicle after installation.

Continue to press original remote lock button 3 times will remote start/stop the car.



This image depicts the use of the original remote control to initiate remote engine start.

Your browser does not support the video tag.

This video demonstrates the remote start and stop functionality of the EC212PP system.

Open Door Shut Down:

Once your car is remote started, opening any door will cause the engine to shut down. This is a default safety setting. After remote starting, you must restart the engine manually before driving the vehicle. The remote start range is limited to the effective working range of your current factory remote control.

7. Specifications

Item Model Number	EC212PP-1-FOR1720
Item Weight	14.8 ounces
Product Dimensions	6.69 x 5.91 x 1.97 inches
CAN BUS Compatibility	Yes



CAN BUS
Compatible

This diagram illustrates the CAN BUS compatibility of the remote starter system, indicating its ability to integrate with modern vehicle electronics.

8. Troubleshooting & Important Notes

- **Programming Required:** The system requires programming after installation to function correctly. Refer to Section 5 for detailed programming steps.
- **OEM Remote Functionality:** The vehicle's OEM remote may not work to lock or unlock the doors while the vehicle is remote started. This is a characteristic of the system.
- **Vehicle Not Listed:** If your vehicle model is not explicitly listed in the compatibility section, please contact EASYGUARD for verification before purchase or installation.

9. Warranty & Support

For technical assistance, product inquiries, or warranty information, please contact EASYGUARD directly:

- **Email:** sales@ieasyguard.com
- **Website:** www.ieasyguard.com