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› EASYGUARD ECS002PP-BM-BC2-1 Remote Starter for BMW F-Series & I-Series

EASYGUARD ECS002PP-BM-BC2-1

EASYGUARD ECS002PP-BM-BC2-1 Remote Starter Instruction Manual

Plug & Play Factory Key Remote Starter for BMW F-Series & I-Series with OEM Push Start Button

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the EASYGUARD ECS002PP-BM-BC2-1 remote starter system. This system allows you to remotely start and stop your vehicle using your factory key fob and offers passive keyless entry (PKE) functionality. It is designed for specific BMW F-Series and I-Series models equipped with a factory OEM push start button.

2. SAFETY INFORMATION

Warning: Keep the entire kit away from children.

Professional installation is highly recommended for this product. If you lack experience with car alarm or electrical system installations, please consult a trained alarm installer to ensure correct and safe setup. Improper installation can lead to vehicle damage or system malfunction.

3. PACKAGE CONTENTS

Verify that all components are present in your package before beginning installation:

- Control Module
- Bypass Module
- Plug & Play Wire Harness
- Bypass Wire
- Battery Board (choose one to use)
- Installation Accessories



Image 3.1: Overview of the EASYGUARD ECS002PP-BM-BC2-1 remote starter kit components.

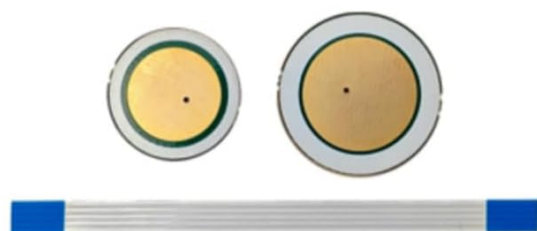


Image 3.2: Labeled components of the remote starter kit, showing the Control Module, Bypass Module, Bypass Wire, Battery Board, and Plug & Play Wire Harness.

This remote starter system is specifically designed for certain BMW models with a factory OEM push start button. Please refer to the compatibility table below to confirm your vehicle is supported.

Compatible vehicles:

This item fit for following vehicles:

Year	Plate	Series	Platform	Jumper Setting
2014-2018	F15/F16/F85/F86	X5/X5M/X6/X6M	BDC2	No.1,2 take off
2013-2018	I01/I12/I15	I3/I8	BDC2	No.1,2 & 3 take off
2015-	G30/G31/G38	NEW 5 SERIES	BDC3	as default
2016-	G32	NEW 6GT	BDC3	as default
2014-2021	G11/G12	NEW 7 SERIES	BDC3	as default
2017-	G01/G08	NEW X3	BDC3	as default
2018-	G02	NEW X4	BDC3	as default

All the vehicles must with factory OEM/factory push start button



Image 4.1: Compatibility table for the remote starter, detailing supported BMW models and years.

Key Compatibility Requirements:

- Your vehicle must have a factory OEM Push Start Button.
- You must have two (2) working factory key fobs. One key fob will be placed inside the bypass module, and the other will be used for daily operation and remote control.

5. IMPORTANT NOTES

- **Plug & Play Installation:** The system is designed for a plug-and-play installation, minimizing the need for wire cutting or soldering.
- **No Key Programming Required:** There is no need to program new keys for this system.
- **Factory Key Fob Control:** Remote start/stop functions are controlled using your existing factory key fob (typically 3x Lock to start, 3x Trunk to shut off).
- **Bypass Module Included:** A bypass module is included in the kit, eliminating the need for additional purchases.
- **Two Working Keys Required:** As mentioned in the compatibility section, two functional factory keys are

Important Notes:



Plug play installation



No need to program car keys



Use factory OEM key/remote to remote start/stop



The car required with factory OEM Push Start Button



Bypass module is included



You should have 2 working factory keys

Image 5.1: Visual summary of important notes for installation and operation.

6. SETUP AND INSTALLATION

The installation process involves integrating the control module and bypass module with your vehicle's existing wiring. Due to the complexity of vehicle electrical systems, professional installation is strongly recommended.

6.1. Bypass Module Installation

The bypass module is crucial for dealing with the vehicle's chip immobilizer. The module is included in your kit. Follow these steps for installation:

1. Locate the key sensing area in your vehicle.
2. Carefully open one of your factory key fobs.
3. Raise the contact spring slightly to ensure good contact with the battery board.
4. Insert the battery board into the key fob.
5. Connect the bypass module to the key fob.

6. Secure the key fob with adhesive tape, wrapping it several times.
7. Place the key button side up within the bypass module.
8. Position the bypass module near the key sensing area in your vehicle.

Installation of bypass module

You need to deal with the chip immobilizer with the bypass module in the kit, please refer to below method of bypass module instructions.

Note: The bypass module default is included in the kit, no need to buy additionally.
The bypass module installation position (near key sense area)



Image 6.1: Detailed visual steps for bypass module installation.

6.2. Wiring Method (BDC1, BDC2 & BDC3 Vehicles)

The system utilizes a plug-and-play wire harness. Refer to the wiring diagram for connecting the main control module to your vehicle's electrical system. Ensure all connections are secure and correctly matched to avoid damage.

Wiring diagram No.3 fit for BDC1, BDC2 & BDC3 vehicles

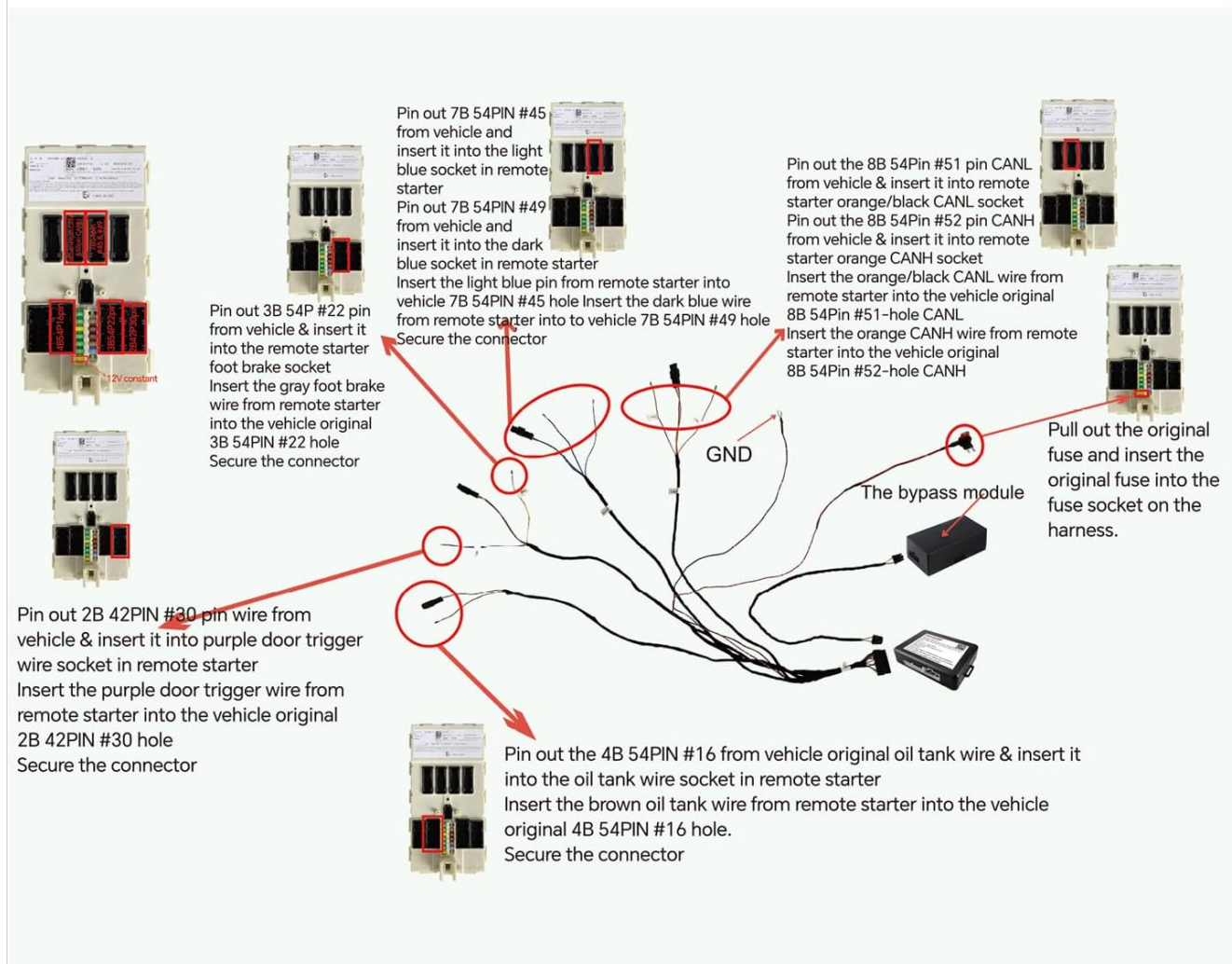


Image 6.2: Wiring diagram for BDC1, BDC2, and BDC3 vehicles. Consult this diagram carefully during installation.

Note: An English wiring diagram is available. Contact customer support if you need to review it before installation. It is highly recommended to have this kit installed by a trained alarm installer if you do not have prior experience.

7. OPERATING INSTRUCTIONS

7.1. Remote Engine Start/Stop

To remotely start or stop your vehicle, use your factory key fob:

- **To Start:** Press the 'Lock' button on your factory key fob three (3) times.
- **To Shut Off:** Press the 'Trunk' button on your factory key fob three (3) times.

Remote engine start allows you to pre-cool your car in hot weather or pre-warm it in cold weather, enhancing comfort before you enter the vehicle.

Remote start/stop method:

Use factory OEM key/remote to remote start/stop



Image 7.1: Visual guide for remote start/stop using the factory key fob.

7.2. Passive Keyless Entry (PKE)

The PKE feature automatically locks and unlocks your car doors as you approach or walk away from the vehicle with your key fob.

- **Automatic Unlock:** When you approach the vehicle within 3-6 feet with your key fob, the car doors will automatically unlock.
- **Automatic Lock:** When you walk away from the vehicle, the car doors will automatically lock once you are 3-6 feet away.

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Video 7.1: Demonstration of Passive Keyless Entry (PKE) functionality, showing automatic unlocking and locking as the user approaches and leaves the vehicle with the key fob.

8. OPTIONAL UPGRADES

This system can be upgraded with additional features for enhanced control and security:

- **Smartphone App Control & 4G LTE GPS Tracking:** You can add an extra GPS002-BM 4G LTE module (ASIN: B0D95Y1XN3) to enable smartphone application control and GPS tracking capabilities. This allows you to control your vehicle from virtually anywhere.

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Video 8.1: Demonstration of smartphone app control for remote engine start/stop and other functions, available with the optional 4G LTE module.

9. TROUBLESHOOTING

If you encounter issues with your EASYGUARD remote starter, consider the following common problems and solutions:

- **System Not Responding:** Ensure all wiring connections are secure and correctly installed. Check for any blown fuses in the vehicle or the system's harness.
- **Battery Drain:** If you experience significant battery drain, especially when the car is parked for several days, it may indicate an issue with the installation or a component drawing excessive power. Re-verify all connections and ensure the bypass module is correctly configured.
- **Limited Remote Range:** The remote start functionality relies on your factory key fob's range. If the range is unexpectedly short, ensure there are no obstructions or strong electromagnetic interference.
- **Engine Shuts Off After Remote Start:** If the engine turns off when you open the door after a remote start, this is a security feature. To drive, you must insert the key (if applicable) or press the push-start button with your foot on the brake to take over.
- **Difficulty with Installation:** The system is designed to be plug-and-play, but some steps require careful attention. If you find the installation challenging, it is highly recommended to seek assistance from a professional installer.

For further assistance, please refer to the detailed wiring diagram or contact EASYGUARD customer support.

10. SPECIFICATIONS

Feature	Detail
Item Weight	2.2 pounds
Product Dimensions	7.09 x 5.91 x 2.36 inches
Model Number	ECS002PP-BM-BC2-1
ASIN	B0C2KQQQ57
Date First Available	April 1, 2023

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official EASYGUARD website. It is recommended to register your product to receive updates and support.

