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› EASYGUARD ECS002PP-BM-BC1-MI Plug and Play Remote Starter Instruction Manual for BMW Mini (2015-2018 F54, F55, F56, F57, F60)

## Easyguard ECS002PP-BM-BC1-MI

# EASYGUARD ECS002PP-BM-BC1-MI Plug and Play Remote Starter Instruction Manual

Model: ECS002PP-BM-BC1-MI

## 1. PRODUCT OVERVIEW

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*Image: The EASYGUARD remote starter system in operation with a Mini Cooper.*

The EASYGUARD ECS002PP-BM-BC1-MI is a plug-and-play remote starter system designed for specific BMW Mini models. This system allows you to remotely start and stop your vehicle using your existing factory key fob, without the need for additional remote controls or complex wiring modifications. It integrates seamlessly with your vehicle's OEM push-start button system.

**Key Features:**

- Plug and Play installation: No cutting or soldering of factory wiring is required.
- Utilizes factory key fob: Remote start/stop functionality is activated by pressing the lock button three times (to start) or the trunk button three times (to shut off) on your original factory key.
- Integrated bypass module: A bypass module is included, eliminating the need for separate purchases.
- No key programming required for OEM remotes.
- Compatible with automatic transmission, manual transmission, gas, petrol, and hybrid engine versions.

## 2. COMPATIBILITY

This remote starter system is compatible with specific BMW Mini vehicles equipped with a factory OEM push-start button.

Please verify your vehicle's model, year, and chassis number against the table below.



Image: Compatibility table detailing vehicle models, years, series, platforms, and jumper settings.

Compatible Vehicles (with factory OEM push start button)

| Year      | Plate               | Series | Platform | Jumper Setting  |
|-----------|---------------------|--------|----------|-----------------|
| 2015-2018 | F52/F40             | 1      | BDC1     | No.1,2 take off |
| 2013-2018 | F45/F46             | 2/2GT  | BDC1     | No.1,2 take off |
| 2014-2018 | F48/F49/F39         | X1/X2  | BDC1     | No.1,2 take off |
| 2015-2022 | F54/F55/F56/F57/F60 | MINI   | BDC1     | No.1,2 take off |

**Important Note:** This item is only suitable for BMW cars with an OEM push-start button. All vehicles must have a factory OEM push start button.

3. PACKAGE CONTENTS

Before beginning installation, please ensure all components listed below are present in your package:

# 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)

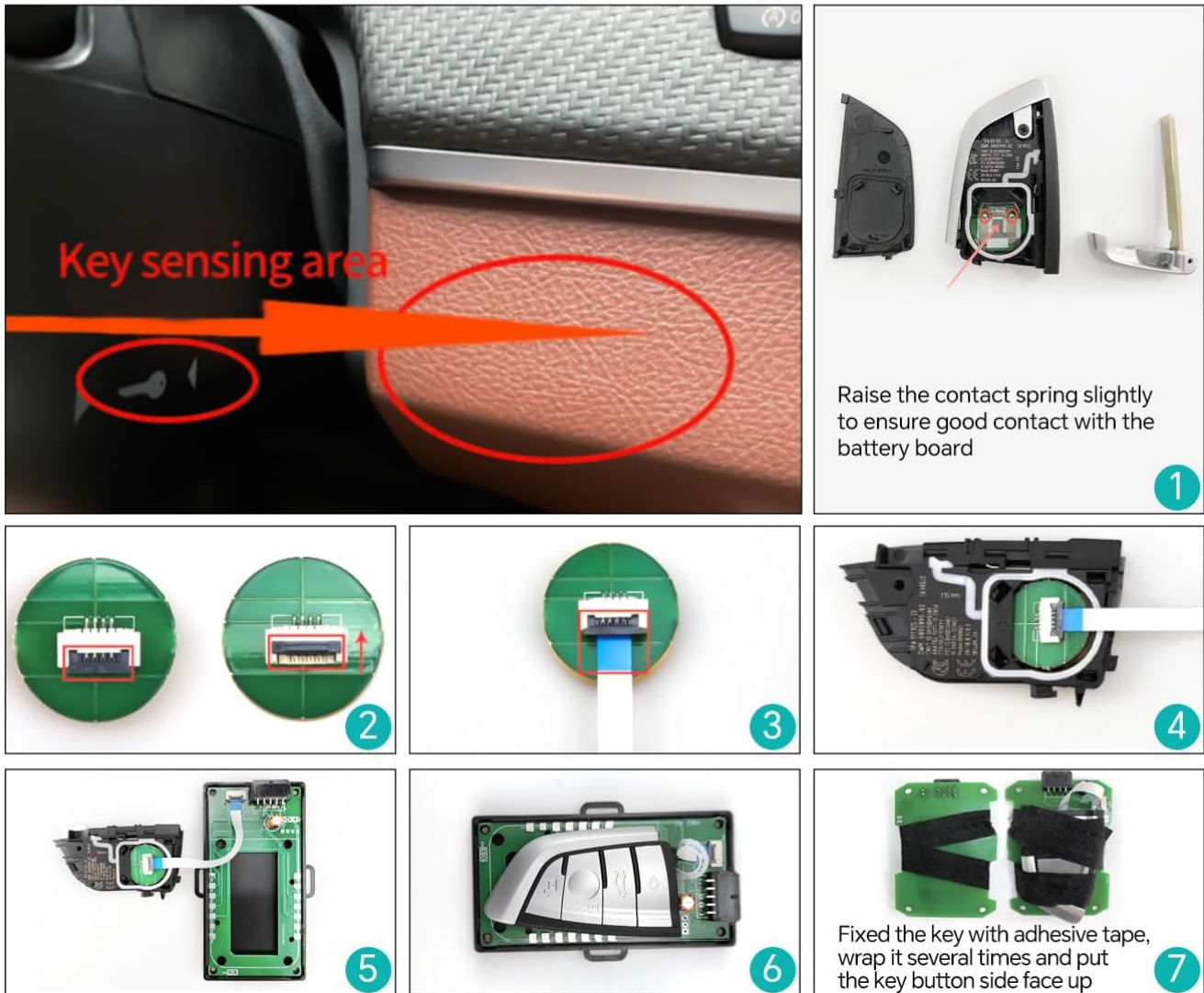


Image: All components included in the Easyguard remote starter kit.

- 1x Control Module
- 1x Main Wire Harness
- 1x Bypass Module
- 1x Bypass Cable
- 2x Battery Boards (only one is used)

## 4. INSTALLATION GUIDE

### Important Installation Notes:

- Professional installation is highly recommended. If you lack experience with car alarm or electrical system installations, seek assistance from a trained alarm installer.



- You will need two functional factory keys for installation. One key will be placed inside the bypass module, and the other will be used for controlling the car (remote start/stop).
- Ensure the vehicle's battery voltage is above 11 volts before installation. The remote starter will not operate if the battery voltage is too low.
- The installation involves disconnecting and replacing a car pin with the Easyguard remote starter kit pin. Ensure you are comfortable performing this step.

#### 4.1. Bypass Module Installation

The bypass module is essential for dealing with the vehicle's chip immobilizer. The bypass module is included in the kit and does not need to be purchased separately. The installation position is typically near the key sensing area.



Image: Detailed steps for installing the factory key into the bypass module.

1. **Step 1:** Locate the key sensing area in your vehicle.
2. **Step 2:** Disassemble your factory key fob to access the battery board.
3. **Step 3:** Gently raise the contact spring on the battery board slightly to ensure good contact with the bypass module.
4. **Step 4:** Connect the bypass cable to the bypass module.
5. **Step 5:** Insert the factory key's battery board into the bypass module.

6. **Step 6:** Secure the key's battery board within the bypass module.
7. **Step 7:** Fix the bypass module with the key inside using adhesive tape. Wrap it several times and ensure the key button side faces up.

#### 4.2. Wiring Diagram (BDC1, BDC2 & BDC3 Vehicles)

Refer to the following wiring diagram for connecting the main wire harness to your vehicle's BDC1, BDC2, or BDC3 system. This is a plug-and-play installation, but careful attention to pin connections is crucial.

### Compatible vehicles:

This item fit for following vehicles:

| Year      | Plate               | Series | Platform | Jumper Setting  |
|-----------|---------------------|--------|----------|-----------------|
| 2015-2018 | F52/F40             | 1      | BDC1     | No.1,2 take off |
| 2013-2018 | F45/F46             | 2/2GT  | BDC1     | No.1,2 take off |
| 2014-2018 | F48/F49/F39         | X1/X2  | BDC1     | No.1,2 take off |
| 2015-2022 | F54/F55/F56/F57/F60 | MINI   | BDC1     | No.1,2 take off |

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



Image: Wiring diagram illustrating connections for BDC1, BDC2, and BDC3 vehicle types.

- **Pin out 7B 54PIN #45:** From vehicle, insert into the light blue socket in the remote starter.
- **Pin out 7B 54PIN #49:** From vehicle, insert into the dark blue socket in the remote starter.
- **Insert the light blue pin from remote starter** into vehicle 7B 54PIN #45 hole.
- **Insert the dark blue wire from remote starter** into vehicle 7B 54PIN #49 hole.
- **Pin out 3B 54P #22 pin:** From vehicle, insert into the remote starter foot brake socket.
- **Insert the gray foot brake wire from remote starter** into the vehicle original 3B 54PIN #22 hole. Secure the connector.
- **Pin out 2B 42PIN #30 pin:** From vehicle, insert into the purple door trigger wire socket in the remote starter.



- **Insert the purple door trigger wire from remote starter** into the vehicle original 2B 42PIN #30 hole. Secure the connector.
- **Pin out 8B 54PIN #51 pin CANL:** From vehicle, insert into the remote starter orange/black CANL socket.
- **Pin out 8B 54PIN #52 pin CANH:** From vehicle, insert into the remote starter orange CANH socket.
- **Insert the orange/black CANL wire from remote starter** into the vehicle original 8B 54PIN #51-hole CANL.
- **Insert the orange CANH wire from remote starter** into the vehicle original 8B 54PIN #52-hole CANH.
- **Pin out 4B 54PIN #16:** From vehicle original oil tank wire, insert into the oil tank wire socket in the remote starter.
- **Insert the brown oil tank wire from remote starter** into the vehicle original 4B 54PIN #16 hole. Secure the connector.
- **GND:** Connect the ground wire as indicated in the diagram.
- **Bypass Module Connection:** Pull out the original fuse and insert the original fuse into the fuse socket on the harness, then connect the bypass module.

## 5. OPERATING INSTRUCTIONS

This system uses your factory OEM key fob for remote start and stop functions.

### Remote start/stop method:

Use factory OEM key/remote to remote start/stop



*Image: Illustration of remote start/stop method using the factory key fob.*

- **To Remote Start:** While the vehicle is locked/armed, press the **lock button** on your factory key fob **three times** consecutively. The vehicle's engine will start.
- **To Remote Stop:** While the vehicle is running via remote start, press the **trunk button** on your factory key fob **three times** consecutively. The vehicle's engine will shut off.

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

The default remote start running time is 20 minutes. This duration can be programmed for 10, 20, 30, or 40 minutes.

## 6. TROUBLESHOOTING

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- **Engine Shuts Off When Door is Opened:** This is a safety feature. If the door is opened while the vehicle is running via remote start, the engine will shut off. This is normal operation and not a malfunction.
- **Remote Start Does Not Activate:**
  - Ensure the vehicle's battery voltage is not below 11 volts. The system is designed not to start if the battery is too low.
  - Verify that the factory key fob is functioning correctly and within range.
  - Confirm that the bypass module is correctly installed with a functional factory key inside and that all connections are secure.
  - Check all wiring connections according to the diagram.
- **System Does Not Affect Keyless Entry/Comfort Access:** The remote starter system is designed not to interfere with vehicles equipped with keyless entry and comfort access systems when the vehicle is remotely started. If you experience issues, re-check installation.

## 7. SPECIFICATIONS

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| Feature                 | Detail                                                                                                  |
|-------------------------|---------------------------------------------------------------------------------------------------------|
| Model Number            | ECS002PP-BM-BC1-MI                                                                                      |
| Brand                   | Easyguard                                                                                               |
| Compatibility           | BMW Mini 2015-2018 (F54, F55, F56, F57, F60) and other specified BMW models with OEM push start button. |
| Remote Control Included | No (uses factory key fob)                                                                               |
| Bypass Module           | Included                                                                                                |
| Installation Type       | Plug and Play                                                                                           |
| Remote Start Duration   | Selectable (10, 20, 30, or 40 minutes), default 20 minutes.                                             |
| UPC                     | 704755327732                                                                                            |

## 8. SUPPORT AND WARRANTY

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For technical support or further assistance with your EASYGUARD remote starter, please contact the manufacturer directly.

- **Technical Support Email:** [sales@ieasyguard.com](mailto:sales@ieasyguard.com)



Warranty information is typically provided with the product packaging or available through the point of purchase. Please retain your proof of purchase for warranty claims.