EASYGUARD BM001

EASYGUARD BM001 Universal Immobilizer Bypass Module

Model: BM001

INTRODUCTION

The EASYGUARD BM001 is a universal bypass module designed for vehicles equipped with a chip immobilizer in their factory OEM key fob. This module facilitates the use of remote engine start systems and push-button start functionalities by bypassing the vehicle's immobilizer system. It is essential for vehicles where the immobilizer prevents the engine from starting without the original chipped key present.

If your vehicle's factory OEM key fob does not contain a chip immobilizer, this bypass module is not required for your installation.

PRODUCT OVERVIEW

The BM001 module provides a solution for integrating aftermarket remote start or push-button start systems with vehicles that have a transponder-based immobilizer. It requires an extra factory OEM key fob (or its PCB/chip immobilizer) to be placed inside the module to function correctly. This allows the vehicle's computer to detect the immobilizer signal when the remote start or push-button start system is activated.

Image: The EASYGUARD BM001 bypass module with its accompanying 2-pin wiring harness.

Package Contents

- Bypass module x1
- 2-pin wire x1
- Wiring diagram x1

Image: Contents of the EASYGUARD BM001 package, showing the module and the 2-pin wire.

IMPORTANT CONSIDERATIONS

- An extra factory OEM key fob (or its PCB with the chip immobilizer) is required to be placed inside the bypass module.
- If your vehicle has a steering wheel lock, it must be released, unlocked, or removed during installation, especially when installing with a push-button start kit.
- Professional alarm installer installation is highly recommended due to the complexity of vehicle electrical systems and immobilizer bypass procedures.

SETUP AND INSTALLATION

This device is only applicable for cars that have a chip induction start function. The installation process involves several critical steps to ensure proper functionality and vehicle security.

1. Preparing the Key Fob

An extra factory OEM key fob or its PCB (Printed Circuit Board) containing the chip immobilizer is required. If the size of the key fob is large, you may extract only the PCB or the immobilizer chip to fit it inside the bypass module.

2. Releasing the Steering Wheel Lock (if applicable)

If your vehicle is equipped with a steering wheel lock, it must be released, unlocked, or removed. One common method is:

1. Copy your factory OEM car blank key.

2. Insert the duplicated car key into the ignition key socket and turn it to the ON position.

3. Carefully break the outside part of the duplicated key, leaving 1-2mm on the outside of the key socket, and keep it in the ON position.

3. Wiring and Module Placement

The bypass module's induction coil needs to be positioned correctly relative to the vehicle's ignition lock. The chip immobilizer from the key fob must be placed underneath the module's induction coil for proper signal detection.

Image: Detailed wiring diagram for the BM001 module, showing connections for +12V (RED) and chassis ground (GND).

Wiring Connections:

- **Red wire:** Connect with ACC (Accessory) wire.
- **Black wire:** Connect with chassis ground (GND).

The induction wire from the module must be securely fixed around the ignition lock header. Failure to do so may prevent the remote start function from working.
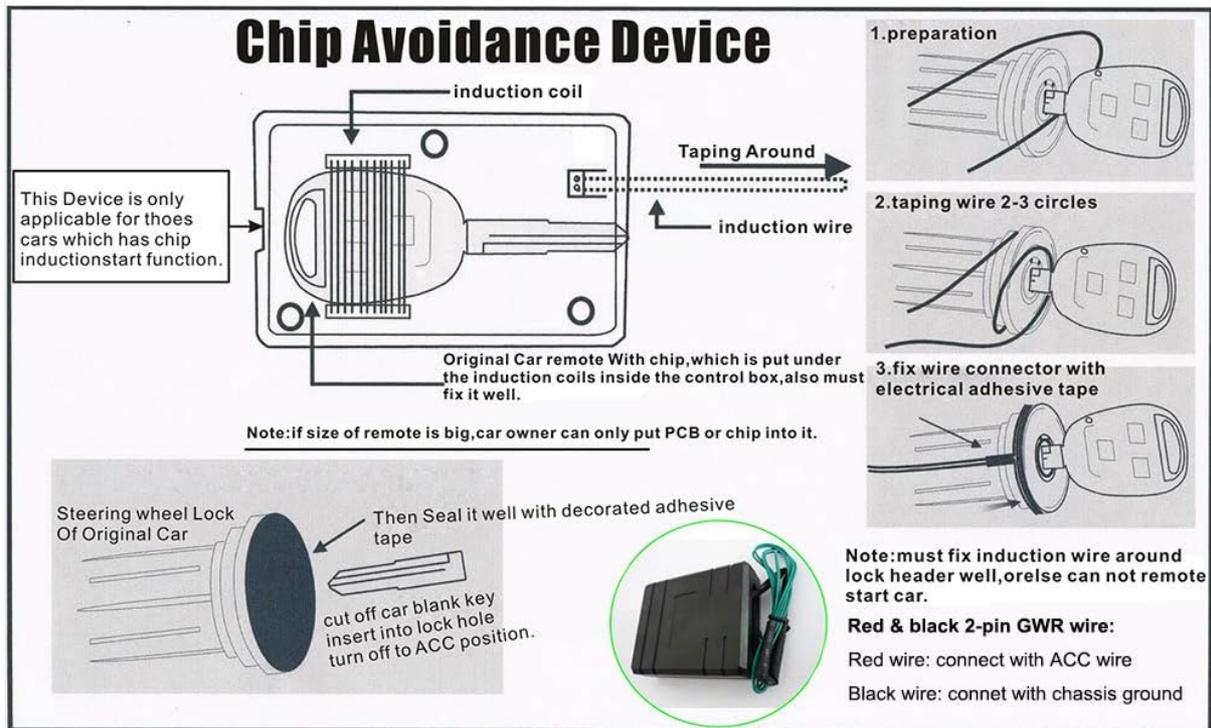
Image: Universal installation drawing illustrating how to tape the induction wire around the ignition cylinder and place the key/chip inside the module.

OPERATING INSTRUCTIONS

Once correctly installed, the EASYGUARD BM001 module operates passively. It continuously broadcasts the immobilizer signal from the embedded key fob/chip, allowing your remote engine start or push-button start system to function without requiring the physical insertion of the original key. There are no user-adjustable settings or controls on the module itself.

MAINTENANCE

The BM001 module requires minimal maintenance. Ensure the module is installed in a dry location, away from excessive heat or moisture. Periodically check the wiring connections to ensure they remain secure. Avoid tampering with the module once installed, as this could affect its functionality or vehicle security.

TROUBLESHOOTING

- **Remote Start / Push Button Start Not Working:**
  - Verify that the extra key fob or chip is correctly placed inside the bypass module and positioned directly under the induction coil.
  - Ensure all wiring connections (ACC and Ground) are secure and correctly connected.
  - Confirm that the induction wire is properly wrapped around the ignition lock header.
  - Check if the steering wheel lock has been successfully released or removed.
  - Consult a professional installer to diagnose complex electrical issues.
- **Vehicle Immobilizer Light On:** This indicates the immobilizer system is not being bypassed. Recheck key placement, induction coil positioning, and wiring.
- **Module Does Not Seem to Function:** Ensure your vehicle actually has a chip immobilizer. If not, this module is unnecessary and will not resolve starting issues related to other causes.

SPECIFICATIONS

Item Model Number	BM001
Item Weight	2.39 ounces
Package Dimensions	6.85 x 5.67 x 1.26 inches
Compatible Devices	Cars (with chip immobilizer)
Brand	EASYGUARD
Manufacturer	Easyguard electronics ltd

Image: Dimensions of the EASYGUARD BM001 module (72.3mm x 58.9mm x 22.7mm).

WARRANTY AND SUPPORT

Specific warranty information for the EASYGUARD BM001 module is not provided in this document. Please refer to the product packaging or contact your retailer for warranty details. For technical support or further assistance with installation and troubleshooting, it is recommended to consult a certified professional car alarm installer or contact EASYGUARD customer service through their official website or authorized distributors.