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› EASYGUARD EC002PP-T2-A0410 CAN Bus PKE Remote Starter User Manual

EASYGUARD EC002PP-T2-A0410

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Model: EC002PP-T2-A0410

Brand: EASYGUARD

PRODUCT OVERVIEW

The EASYGUARD EC002PP-T2-A0410 is a sophisticated CAN Bus PKE (Passive Keyless Entry) remote starter system designed to upgrade key-start gas engine Toyota vehicles to a modern push-button start system. This kit enhances vehicle convenience and security with features such as passive keyless entry, remote engine start, and touch password entry. It includes a bypass module and is pre-programmed for ease of use.



Figure 1: Complete EASYGUARD EC002PP-T2-A0410 Kit Components.

COMPATIBILITY

This EC002PP-T2-A0410 PKE kit is specifically designed for standard key start gas engine Toyota vehicles. It is crucial to verify your vehicle's compatibility before purchasing and attempting installation.



IMPORTANT NOTICE BEFORE BUYING:

1. This item only fit for key start petrol Toyota cars as below lists:

Sienna	2010-2017
Corolla	2009-2013
RAV4	2009-2013
FJ curiser/land cruiser	2010-2017
Prado	2010-2017
4RUNNER	2013-2017
EZ	2010-2016

Not work with other vehicles!

2. Plug & play with OBD2 connector & T-harness, but still need to connect a few wires.

3. Installed it by a trained staff or professional alarm installer only!

Figure 2: Compatible Vehicle Models and Years.

Compatible Models:

- Corolla 2009-2013
- FJ Cruiser/Land Cruiser/Prado 2010-2017
- Alphard 2010-2017
- RAV4 2009-2013
- Sienna 2010-2017
- 4Runner 2013-2017
- Sequoia 2010-2017

This item will not work on vehicles not listed above.

SETUP AND INSTALLATION

The EASYGUARD EC002PP-T2-A0410 system features a semi plug-and-play design with an OBD2 connector and T-harness, minimizing damage to the original car circuit. However, some wiring connections are still required.

Professional installation by a trained staff or alarm installer is highly recommended, especially if you lack experience with car alarm installations or dashboard panel removal.

Key Installation Notes:

- The steering wheel lock must be unlocked or removed during installation.
- A bypass module is included in the kit.

- The system is CAN BUS compatible with pre-loaded firmware.

Antenna Installation Guide:

Proper placement of the PKE antennas is crucial for optimal performance of the passive keyless entry system. Refer to the video below for visual guidance on antenna installation points.

Your browser does not support the video tag.

Video 1: PKE Antenna Installation Guide. This video demonstrates the recommended locations for installing the front, HF, and rear PKE antennas within the vehicle for optimal passive keyless entry functionality.

Wiring Harnesses:

The kit includes CAN BUS wire harnesses specifically designed for Toyota vehicles. Ensure you provide your car model and year to receive the correct harness for your vehicle.

CAN BUS wire harnesses fit for Toyota



Please tell us your car model number, which year so that we can equip with right wire harness for your vehicle.

Figure 3: CAN BUS Wire Harnesses for Toyota.

OPERATING INSTRUCTIONS

Key Features:

- Push button start/stop
- PKE (Passive Keyless Entry)
- Manual arm/lock & disarm/unlock
- Mute/audible alarm
- Remote trunk release
- Panic mode
- Valet mode on/off setting
- Remote engine start/stop
- Central door locking automation
- Touch password entry to lock or unlock the car
- Password revise & reset

Push Button Start/Stop:

Once installed, your vehicle will be equipped with a convenient push-button ignition system. Simply press the button to start or stop the engine.

PLUG & PLAY installation



1. Plug & play, no damage to the original car circuit
2. CAN BUS compatible, no need to cut wires
3. For some cars, you need to connect quite a few wires
4. Please tell us your car brand, model number, which year version before buying
3. Install it by a trained staff if you have no alarm installation experience.

Figure 4: Engine Start/Stop Button Operation.

Passive Keyless Entry (PKE):

The PKE feature automatically locks and unlocks your car doors as you approach or walk away with the key fob. The system detects the key fob within a specified range.

- Automatically unlock car door when you approach the vehicle in 3-6 feet with key fob.
- Automatically lock car door when you walk away from the car in 6-9 feet with key fob.



Figure 5: Passive Keyless Entry (PKE) Functionality.

Remote Engine Start:

Utilize the remote engine start feature to pre-cool your car in hot weather or pre-warm it in cold conditions, enhancing comfort before entering the vehicle.

Remote engine start

Remote engine start can pre-cool your car in hot summer or pre-warm it in cold winter



Figure 6: Remote Engine Start Benefit.

Key Fob Functions:

The included key fobs provide convenient control over your vehicle's security and starting functions. Each button has a specific purpose:

Button function



Figure 7: Key Fob Button Functions.

- **LED indicator:** Provides visual feedback on the fob's status.
- **Arm/Panic mode:** Locks the vehicle and activates the alarm, or triggers a panic alarm.
- **Disarm:** Unlocks the vehicle and deactivates the alarm.
- **Start button/Trunk release:** Initiates remote engine start or opens the trunk.



Figure 8: Key Fob Design.

MAINTENANCE

The EASYGUARD EC002PP-T2-A0410 system is designed for low maintenance. Ensure the key fob batteries (2 CR2 batteries) are replaced when indicated to maintain optimal performance. Keep the main control unit and wiring free from moisture and extreme temperatures.

TROUBLESHOOTING

If you encounter any issues during installation or operation, please refer to the following common solutions or contact our technical support.

Common Issues & Solutions:

- **System not responding:** Check key fob battery levels. Ensure all wiring connections are secure and properly installed.
- **Remote start not working:** Verify that the vehicle is in park and all doors are closed. Ensure the steering wheel lock has been properly addressed during installation.
- **PKE range issues:** Confirm that the PKE antennas are correctly installed and not obstructed. Replace key fob batteries if they are low.
- **"Plug & Play" discrepancy:** While advertised as semi plug & play, this system requires some wire connections. This is normal and not a defect.

SPECIFICATIONS

Feature	Detail
Model Number	EC002PP-T2-A0410
Brand	EASYGUARD
Compatibility	Key start gas engine Toyota models (Corolla 09-13, FJ Cruiser/Land Cruiser/Prado 10-17, Alphard 10-17, RAV4 09-13, Sienna 10-17, 4Runner 13-17, Sequoia 10-17)
Installation Type	Semi Plug & Play (with OBD2 connector & T-harness, some wires to connect)
CAN BUS Compatible	Yes
Key Fob Batteries	2 CR2 batteries (included)
Item Weight	2.86 pounds
Package Dimensions	10.51 x 8.07 x 4.61 inches
Included Modules	Bypass module included
Optional Upgrade	Smartphone app control & 4G LTE GPS tracking (requires extra GPS002-AA 4G LTE module, ASIN: B0D95Y1XN3)

WARRANTY AND SUPPORT

For any installation assistance or technical support, please contact EASYGUARD directly. The product is pre-programmed, so no additional programming is typically required for the main functions.

Additional protection plans are available for purchase separately:

- [2-Year Protection Plan](#)
- [3-Year Protection Plan](#)
- [Complete Protect: One plan covers all eligible past and future purchases](#)

You can also visit the [EASYGUARD Store](#) for more information and product availability.