## MPC B-6117-315

# MPC Remote Start Kit User Manual

Model: B-6117-315

For Kia Sorento 2016-2020 (Push-Start Ignition Only)

## 1. PRODUCT OVERVIEW

This document provides instructions for the installation and operation of the MPC Remote Start Kit for Kia Sorento vehicles manufactured between 2016 and 2020. This kit is designed for vehicles with push-start ignition systems only and is not compatible with key-start cars or hybrid models. It includes all necessary components for a plug-and-play installation.

Image 1.1: The MPC Remote Start Kit, showing the main module, two 4-button remotes, and the T-Harness, alongside a Kia Sorento.

## 1.1. Kit Contents

- Remote Starter Module
- Data Interface Bypass Module (preloaded with firmware)
- T-Harness for plug-and-play connection
- Two (2) extended range 4-Button 1-Way Transmitters
- RFA2A Antenna Adapter
- Antenna and Antenna Cable

**Important: This kit does not include any OEM key fob or OEM remote.**

## 2. VEHICLE COMPATIBILITY AND REQUIREMENTS

This remote start kit is specifically designed for Kia Sorento models from 2016 to 2020. It is crucial to verify your vehicle's ignition type before installation.

- **Compatible:** Vehicles with a "Push-Start" ignition button.
- **Not Compatible:** Vehicles with a traditional key-start ignition.
- **Not Compatible:** Hybrid models.

- Product may not work in vehicles manufactured for sale outside of U.S. & Canada.



# Vehicle Requirements

**PUSH-START IGNITION ONLY**

## Gas Engine - Not for Hybrid

### DOES NOT WORK WITH KEY-START CARS

Image 2.1: Visual guide indicating compatibility with push-start ignition and incompatibility with key-start ignition and hybrid vehicles.

## 3. INSTALLATION GUIDE

The MPC Remote Start Kit features a plug-and-play T-Harness design, significantly simplifying the installation process by reducing the number of required wiring connections. While the primary installation is plug-in, adding certain optional features may require additional wiring.

Image 3.1: An illustration depicting the ease of installation for this kit, indicating it is on the "Easier" side of the spectrum.

## 3.1. General Installation Steps (Summary)

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected for safety.
2. **Access Vehicle Wiring:** Locate the necessary connection points within your vehicle, typically behind the dashboard or steering column.
3. **Connect T-Harness:** Connect the provided T-Harness to the vehicle's existing wiring harnesses. The design minimizes direct wire splicing.
4. **Module Connection:** Connect the remote starter module and data interface bypass module to the T-Harness.
5. **Antenna Installation:** Install the RFA2A antenna and route its cable to the remote start module.
6. **Programming:** The firmware is preloaded; however, the system will need to be programmed to your specific vehicle following the detailed instructions provided via the MPC technical support link.
7. **Testing:** Reconnect the battery and test the remote start system thoroughly before reassembling the vehicle's interior.

For detailed, step-by-step instructions with specific plug locations, please refer to the exclusive copyrighted installation tip sheet available through MPC's technical support resources. A person with basic knowledge of car electronics wiring should be able to install this product successfully.

Image 3.2: A yellow plastic pry tool, often useful for safely removing interior trim during installation.

## 4. OPERATING INSTRUCTIONS

The MPC Remote Start Kit allows you to start or stop your vehicle's engine from a distance using the provided 4-button remotes. The operational range is up to 2,800 feet.

### 4.1. Remote Start/Stop Function

- To **start** the engine: Press the dedicated remote start button on your 4-button transmitter.
- To **stop** the engine: Press the dedicated remote start button again.

### 4.2. Additional Functions

Depending on your vehicle and the data module coverage, the system may also support the following functions via the remote:

- Lock and Unlock doors
- Trunk or back hatch release
- AUX channel activation (for additional accessories, if configured)

Image 4.1: Examples of various OEM factory remotes. Note that this kit does not include an OEM remote, but works alongside your existing one.

## 5. MAINTENANCE

The MPC Remote Start Kit is designed for long-term reliability and typically requires minimal maintenance. Key considerations include:

- **Remote Battery Replacement:** If the range of your remote transmitters decreases significantly, it may be time to replace the batteries. Refer to the remote's specific instructions for battery type and replacement procedure.
- **System Updates:** While firmware is preloaded, occasional updates may be available for enhanced performance or compatibility. Check the MPC technical support website for any announcements.
- **Physical Inspection:** Periodically inspect the wiring and module connections to ensure they remain secure and free from damage.

## 6. TROUBLESHOOTING

If you encounter issues with your remote start system, consider the following common troubleshooting steps:

- **No Response from Remote:**
  - Check remote battery.
  - Ensure you are within the operational range (up to 2,800 feet). Obstacles like buildings or other vehicles can reduce range.

- **Vehicle Does Not Start:**
  - Verify vehicle compatibility (push-start, non-hybrid).
  - Ensure all vehicle doors, hood, and trunk are fully closed.
  - Check if the vehicle's battery is sufficiently charged.
  - Confirm proper installation and secure connections of the T-Harness and modules.

- **Intermittent Operation:**
  - Check for sources of radio interference.
  - Ensure the antenna is properly positioned and connected.

If these steps do not resolve the issue, please contact MPC Technical Support for further assistance.

## 7. SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Model Number | B-6117-315 |
| Product Dimensions | 8 x 8 x 3 inches |
| Item Weight | 3 pounds |
| Manufacturer | MPC Products |
| Remote Range | Up to 2,800 feet |
| Ignition Type Compatibility | Push-Start Only |
| Vehicle Compatibility | Kia Sorento 2016-2020 |

## 8. WARRANTY INFORMATION

Specific warranty details for the MPC Remote Start Kit are not provided in this manual. For information regarding product warranty, please refer to the documentation included with your purchase or contact MPC Technical Support directly.

## 9. TECHNICAL SUPPORT

MPC offers dedicated technical support to assist with installation and any questions you may have about your remote start system. Support is U.S. based and available during specified hours.

- **Support Hours:** Monday through Friday, 9:00 AM to 7:00 PM Eastern Time.

- **Installation Tip Sheet:** A link to download MPC's exclusive copyrighted step-by-step installation tip sheet, created by professional technicians, is provided to help guide you through the installation process.



Image 9.1: MPC provides free expert technical support to assist users.

For assistance, please refer to the contact information provided with your product or visit the official MPC website.

## Related Documents - B-6117-315



[Siemens REL-EOL Releasing End of Line Module Installation Instructions](#)
Detailed installation instructions for the Siemens REL-EOL Releasing End of Line Module, covering component identification, resistor specifications, and system compatibility for fire alarm releasing applications.



[Akai Professional MPC User Guide: MPC X, Live, One, Key, Studio, Touch](#)
A comprehensive user guide for Akai Professional's MPC series, covering setup, operation, and features for MPC X, MPC X Special Edition, MPC Live, MPC Live II, MPC One, MPC One+, MPC Key 61, MPC Key 37, MPC Studio mk2, and MPC Touch.

[Moxa MPC-3000 Series Quick Installation Guide](#)

Comprehensive quick installation guide for the Moxa MPC-3000 Series industrial panel computers, covering overview, package checklist, appearance, dimensions, hardware installation (panel and VESA mounting), connector descriptions, and power/grounding procedures.

[Akai MPC Setup Guide: Installation and Activation](#)

A comprehensive guide for setting up Akai MPC hardware and software, covering account creation, product registration, software installation, and iLok license management.

[Nintendo Switch Joy-Con Controller Diagram and Button Guide](#)

A detailed guide to the buttons and features of the Nintendo Switch Joy-Con controllers, including L/R buttons, analog sticks, directional buttons, capture button, home button, SL/SR buttons, and sync button.

[TiVo Remote Overview and Functionality](#)

A guide to understanding the functions and buttons of the TiVo remote control, including navigation, recording, playback, and special features.