

Pertronix 1847V

PerTronix 1847V Ignitor Electronic Ignition Conversion Kit for Bosch 4 Cylinder Engines

Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PerTronix 1847V Ignitor Electronic Ignition Conversion Kit. This kit is designed to replace traditional mechanical points in Bosch 4-cylinder distributors, enhancing ignition performance and reliability.

PRODUCT OVERVIEW

The PerTronix 1847V Ignitor is an electronic ignition system that eliminates the need for mechanical points and condenser. It utilizes a Hall Effect integrated circuit and rotating cobalt magnets to provide precise, stable timing and increased spark energy.

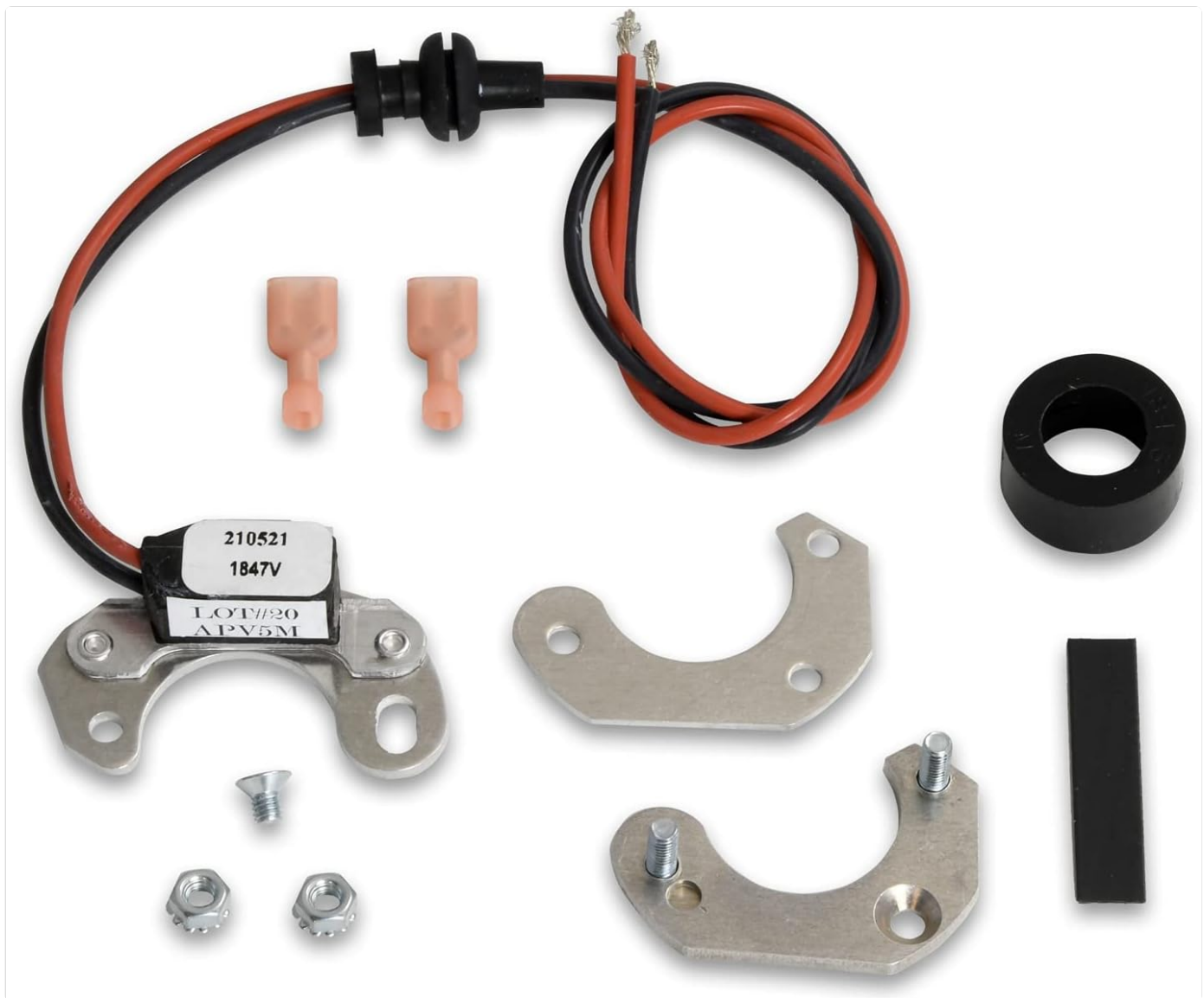


Figure 1: Complete PerTronix 1847V Ignitor kit showing the electronic module, magnetic sleeve, wiring, and mounting hardware.

What's in the Box:

- Ignitor Electronic Module (1847V)
- Magnetic Sleeve
- Wiring Harness with Connectors
- Mounting Plates and Screws
- Installation Instructions (refer to this manual)

KEY FEATURES

- **Points Replacement:** Converts mechanical points ignition to a reliable electronic system.
- **Enhanced Performance:** Delivers double the voltage to spark plugs, improving horsepower, fuel economy, and extending spark plug life.
- **Maintenance-Free:** Epoxy molded design resists dirt, oil, grease, and moisture, eliminating the need for routine adjustments.
- **Precise Timing:** Utilizes cobalt magnets and a Hall Effect circuit for stable, adjustment-free timing with improved accuracy.
- **Compact Design:** Fits entirely within the distributor, maintaining a classic under-hood appearance without external ignition boxes.
- **Wide Application:** Suitable for various automotive, marine, industrial, and agricultural applications using compatible Bosch 4-cylinder distributors.

COMPATIBILITY

The PerTronix 1847V Ignitor Electronic Ignition Conversion Kit is specifically designed for use with **Bosch 4-Cylinder Distributors**. Verify your distributor type before installation.

SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always disconnect the vehicle's battery before performing any electrical work. Ensure proper grounding and follow all local safety regulations. Wear appropriate personal protective equipment (PPE) during installation.

SETUP AND INSTALLATION

Installation of the PerTronix Ignitor kit requires basic mechanical and electrical knowledge. If you are unsure about any step, consult a qualified mechanic.

1. Preparation:

- Disconnect the vehicle's battery (negative terminal first).
- Remove the distributor cap and rotor.
- Carefully remove the existing mechanical points and condenser from the distributor.

2. Install Ignitor Module:

- Mount the Ignitor module in the position previously occupied by the points. Secure it using the provided mounting plates and screws.



Figure 2: Close-up view of the Ignitor module mounted within a distributor, showing its compact fit.



Figure 3: The Ignitor module with its mounting plate, illustrating how it secures into the distributor.

3. Install Magnetic Sleeve:

- Slide the magnetic sleeve over the distributor shaft, ensuring it sits securely over the cam lobes. This sleeve replaces the function of the points cam.
- *Note:* Some installations may require minor modification to the rotor or distributor shaft for proper fitment of the magnetic sleeve. Refer to specific vehicle service manuals if needed.

4. Wiring Connections:

- Connect the Ignitor's red wire to the positive (+) side of the ignition coil.
- Connect the Ignitor's black wire to the negative (-) side of the ignition coil.
- Ensure all connections are secure and free from corrosion.

5. Reassembly and Initial Start-up:

- Reinstall the rotor and distributor cap.
- Reconnect the vehicle's battery (positive terminal first).
- Start the engine and check for proper operation.
- Verify ignition timing using a timing light and adjust as necessary according to your vehicle's specifications.

For detailed wiring diagrams and specific vehicle instructions, always refer to the official PerTronix installation guide provided with your product or available on the manufacturer's website.

OPERATION

Once installed, the PerTronix 1847V Ignitor operates automatically, providing a consistent and powerful spark. No user adjustments are required during normal operation. The system continuously monitors engine speed and position to deliver optimal ignition timing.

MAINTENANCE

The PerTronix 1847V Ignitor is designed to be a maintenance-free ignition system. Unlike traditional points, there are no mechanical components to wear out or adjust. The epoxy-molded construction protects the internal electronics from environmental factors such as dirt, oil, grease, and moisture.

Regularly inspect wiring connections for security and signs of wear or corrosion. Ensure the distributor cap and rotor are in good condition.

TROUBLESHOOTING

If you experience issues after installing your PerTronix Ignitor, consider the following common troubleshooting steps:

- **No Spark/Engine Not Starting:**
 - Verify all wiring connections are correct and secure (red to coil +, black to coil -).
 - Check for proper voltage at the ignition coil and Ignitor module.
 - Ensure the magnetic sleeve is correctly seated on the distributor shaft and rotates freely.
 - Inspect the distributor cap and rotor for cracks or carbon tracking.
 - Confirm the ignition coil is compatible with electronic ignition systems.
- **Rough Idling/Poor Performance:**
 - Re-check ignition timing with a timing light and adjust to vehicle specifications.
 - Ensure spark plug wires are correctly routed and in good condition.
 - Verify spark plug gaps are set correctly.
- **Intermittent Operation:**
 - Check for loose connections or damaged wiring.
 - Ensure the Ignitor module is securely mounted and not vibrating.

For further assistance, contact PerTronix customer support.

SPECIFICATIONS

Model Number	1847V
Compatibility	Bosch 4-Cylinder Distributors
Ignition Type	Electronic (Hall Effect)
Weight	3.2 ounces
Manufacturer	PerTronix
Exterior Finish	Machined

Electronic Ignition Conversions

FEATURE COMPARISON

	<i>Ignitor</i>	<i>Ignitor II</i>	<i>Ignitor III</i>
Fits entirely inside the distributor. No "Black Box" to clutter the engine compartment	✓	✓	✓
Stable timing... No need for adjustment	✓	✓	✓
Epoxy molded module makes module impervious to dirt, oil, grease and moisture	✓	✓	
Hall Effect integrated circuit.. No points to burn no moving parts to break	✓	✓	✓
Surface Mount Technology	✓	✓	✓
Legal in all 50 states and Canada (C.A.R.B. E.O. #D-57-22)	✓	✓	✓
Compatible with most point type ignition coils	✓	✓	
Adaptive dwell control maintains peak energy throughout the entire RPM		✓	✓
High RPM timing correction		✓	✓
Engine Start-up energy boost		✓	✓
Reverse polarity and over current protection		✓	✓
Compatible with low resistance ignition coils		✓	✓
Thermal Clad construction			✓
Integrated adjustable REV Limiter with LED feedback			✓
Multi-spark ignition system eliminates the need for CD boxes			✓

Figure 4: Feature comparison table for PerTronix Ignitor, Ignitor II, and Ignitor III electronic ignition systems. This product is the original Ignitor.

WARRANTY INFORMATION

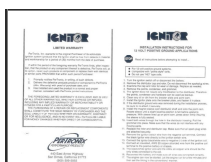
The PerTronix 1847V Ignitor Electronic Ignition Conversion Kit comes with a **30-Month Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official PerTronix website.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty claims, please contact PerTronix customer support directly. Refer to the contact information provided on the product packaging or the official PerTronix website.






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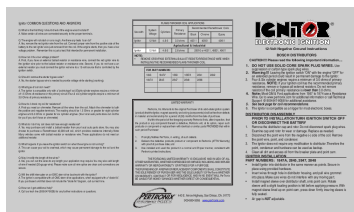


[PerTronix Ignitor Electronic Ignition System Installation and Warranty](#)

This document provides installation instructions and limited warranty information for the PerTronix Ignitor electronic ignition system, designed for 12-volt positive ground applications. It covers compatibility, wiring, troubleshooting, and warranty terms.

	<p>PerTronix 2018 Catalog: Ignition Products for Automotive, Marine, Industrial, and Agricultural Applications</p> <p>Explore the PerTronix 2018 catalog featuring a comprehensive range of high-performance ignition products, including distributors, ignition boxes, coils, and spark plug wires for automotive, marine, industrial, and agricultural applications. Discover new Contour Starters and Digital HP ignition systems.</p>
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	<p>JBA Performance Exhaust Cat4Ward Headers Installation & Warranty - Chevrolet/GMC 4.3L V6 (1988-1995)</p> <p>Detailed installation instructions and warranty information for JBA Performance Exhaust Cat4Ward® Headers (models 1840S, 1841S) for 1988-1995 Chevrolet and GMC C/K trucks with the 4.3L V6 engine. Includes parts list and emissions compliance details.</p>
	<p>Doug's Headers D306-502 Chevrolet Exhaust Header Installation & Warranty</p> <p>Comprehensive installation instructions and limited warranty information for Doug's Headers D306-502 Chevrolet exhaust headers, covering fitment for Camaro, Nova, Monte Carlo, Chevelle, Impala, and Firebird models.</p>

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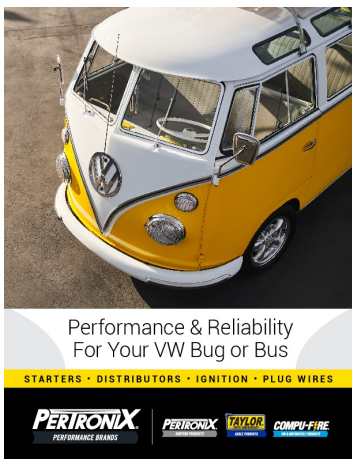
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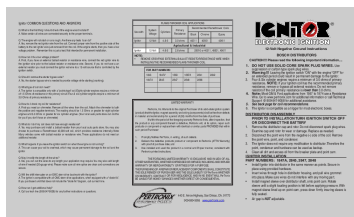
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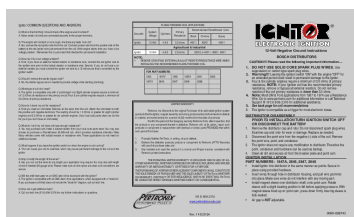
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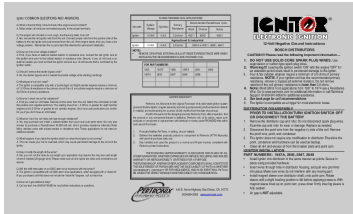


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