

MAC 158976

MAC Ignition Tune-Up Kit Instruction Manual

Model: 158976 | Brand: MAC

1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of your MAC Ignition Tune-Up Kit. This kit is designed to meet or exceed original equipment (OE) specifications, ensuring reliable performance and durability. Please read all instructions carefully before beginning installation.

2. PRODUCT COMPONENTS

The MAC Ignition Tune-Up Kit includes the following components:

- 1x Part# P4670 Oil Filter
- 1x Part# Pa4372 Air Filter
- 1x Part# Pcv395 Pcv348 1901-03828 V165 PCV Valve
- 1x Part# 4202 2504-04057 Distributor Cap
- 1x Part# 3202 2503-04063 Distributor Rotor
- 1x Part# 9404 2500-79843 Pro Spark Ignition Spark Plug Wire Set
- 8x Part# AP5224 Sp1018 Platinum Spark Plugs



Figure 1: Overview of the MAC Ignition Tune-Up Kit components.

3. VEHICLE COMPATIBILITY

This kit is compatible with the following vehicle models and engine configurations:

- **Dodge Dakota:** 5.2L & 5.9L V8 engines, model years 1997, 1998, 1999, 2000, 2001, 2002. (Not compatible with 4.7L engines)
- **Dodge Ram Pick Up:** 1500, 2500, 3500 series with 5.2L & 5.9L V8 engines, model years 1997, 1998, 1999, 2000, 2001.
- **Dodge Durango:** 5.2L & 5.9L V8 engines, model years 1998, 1999, 2000, 2001, 2002, 2003. (Not compatible with 4.7L engines)

4. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. It is recommended to consult your vehicle's official service manual for specific procedures and torque specifications. If you lack the necessary skills or tools, seek assistance from a qualified mechanic.

- Ensure the engine is cool before starting any work.
- Disconnect the negative battery terminal to prevent accidental electrical discharge.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Keep all ignition components clean and free from oil, grease, or dirt.

5. INSTALLATION

Follow these general steps for installing the ignition tune-up kit components. Refer to your vehicle's service manual for precise instructions.

5.1. Spark Plugs Installation

1. Carefully remove the existing spark plug wires and spark plugs. Note the order of the wires for correct reinstallation.

2. Inspect the new platinum spark plugs (Part# AP5224 Sp1018) for any damage.
3. Ensure the spark plug gap is set according to your vehicle's specifications.
4. Apply a small amount of anti-seize compound to the threads of the new spark plugs.
5. Thread the new spark plugs into the cylinder head by hand to prevent cross-threading.
6. Tighten the spark plugs to the manufacturer's recommended torque specifications using a torque wrench.



Figure 2: Platinum Spark Plugs (Part# AP5224 Sp1018).

Video: A-Premium Iridium Spark Plug Overview

This video provides an overview of A-Premium Iridium Spark Plugs, highlighting their features and benefits, which are similar to the platinum plugs in this kit.

Video: A-Premium Spark Plugs, Spark the Difference

This video showcases the quality and performance aspects of A-Premium spark plugs, offering insights into their design and function.

5.2. Spark Plug Wires Installation

1. Replace spark plug wires one at a time to maintain the correct firing order.
2. Connect the new Pro Spark Ignition Spark Plug Wires (Part# 9404 2500-79843) firmly to the spark plugs and the

distributor cap. Ensure a secure click for proper connection.

3. Route the new wires away from hot engine components and moving parts using appropriate wire separators or clips.



Figure 3: Pro Spark Ignition Spark Plug Wire Set.

Video: A-Premium Spark Plug Wires Overview

This video illustrates the features and installation considerations for A-Premium spark plug wires, which are comparable to the wires in this kit.

5.3. Distributor Cap and Rotor Installation

1. Remove the old distributor cap and rotor (Part# 4202 2504-04057 and Part# 3202 2503-04063). Note the orientation of the cap and rotor for correct installation.
2. Install the new distributor rotor onto the distributor shaft, ensuring it seats properly.
3. Place the new distributor cap onto the distributor, aligning any locating tabs or notches. Secure the cap with its retaining clips or screws.



MILLIONS OF PARTS IN STOCK



Figure 4: Distributor Cap and Rotor.

5.4. Oil Filter, Air Filter, and PCV Valve Installation

1. Replace the old oil filter with the new Part# P4670 Oil Filter. Ensure the new filter is properly lubricated and tightened according to manufacturer specifications.
2. Install the new Part# Pa4372 Air Filter into the air filter housing.
3. Replace the old PCV valve with the new Part# Pcv395 Pcv348 1901-03828 V165 PCV Valve.

6. MAINTENANCE

Regular maintenance of your ignition system components is crucial for optimal engine performance and longevity. Follow your vehicle manufacturer's recommended service intervals for inspection and replacement of spark plugs, wires, and distributor components.

- Periodically inspect spark plug wires for cracks, fraying, or signs of burning.
- Check the distributor cap and rotor for wear, corrosion, or carbon tracking.
- Ensure all connections are secure and free from moisture or contaminants.

7. TROUBLESHOOTING

If you experience issues after installation, consider the following common troubleshooting steps:

- **Engine Misfire or Rough Idle:** Check spark plug wire connections, ensure correct firing order, and verify spark plug gaps.
- **Poor Engine Performance:** Inspect all new components for proper installation and check for any loose connections.
- **No Start Condition:** Confirm all electrical connections are secure, especially to the distributor and coil.

8. SPECIFICATIONS

The components in this kit are manufactured to high standards for durability and performance:

- **Spark Plug Wires:** Feature outstanding durability and consistent performance, designed to meet or exceed OE specifications.
- **Manufacturing:** Produced by ISO Certified factories.
- **Quality Control:** Thoroughly inspected for high-quality parts and workmanship.
- **Installation:** Direct replacement for trouble-free installation.





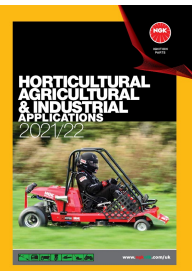
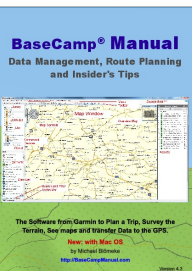
9. WARRANTY AND SUPPORT

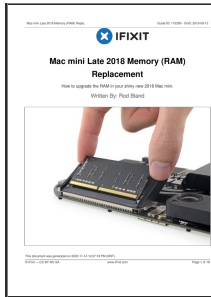
The warranty for your item is stated on the product listing. For any questions or further assistance, please contact the seller directly.



Figure 5: Example of spark plug wires, illustrating product quality.

Related Documents - 158976

 <p>FR-Mode d'emploi</p> <p>GHOST</p> <p>Nova Spark</p> <p>Contenu et mode d'emploi de l'appareil GHOST Nova Spark. Ce manuel doit être lu attentivement avant l'utilisation.</p>	<p>GHOST Nova Spark Cold Spark Machine User Manual</p> <p>Comprehensive user manual for the GHOST Nova Spark cold spark machine, detailing its features, operation, safety precautions, maintenance, troubleshooting, and technical specifications. Ensure safe and effective use of your professional spark effect device.</p>
 <p>ENCORE/ST G4</p> <p>Installation Instructions</p> <p>Read the following instructions carefully before installing the processor upgrade card. Failure to follow these instructions may result in damage to your Mac or the processor upgrade card.</p> <p>1. Turn off your Mac and disconnect the power cord.</p> <p>2. Remove the processor upgrade card from its packaging.</p> <p>3. Insert the processor upgrade card into the slot on the back of your Mac.</p> <p>4. Turn on your Mac and follow the on-screen instructions.</p> <p>5. Restart your Mac and the processor upgrade card will be installed.</p> <p>6. Your Mac is now ready to use with the processor upgrade card.</p> <p>7. For more information, see the Sonnet website.</p> <p>8. © 2002 Sonnet Technology, Inc.</p>	<p>Sonnet Encore/ST G4 Processor Upgrade Card Installation Instructions</p> <p>Comprehensive installation guide for the Sonnet Encore/ST G4 processor upgrade card, detailing compatibility, software/firmware prerequisites, and step-by-step hardware installation procedures for various Power Mac G4 models.</p>
 <p>TYPE</p> <p>MAC 2002</p> <p>OPERATING INSTRUCTIONS</p> <p>FOR YOUR SAFETY, PLEASE READ THE OPERATING INSTRUCTIONS.</p> <p>FOR HOUSEHOLD USE ONLY </p>	<p>Saeco MAC 2002 Coffee Grinder Operating Instructions</p> <p>Comprehensive operating instructions for the Saeco MAC 2002 coffee grinder, covering setup, usage, safety, cleaning, and troubleshooting for household use.</p>
 <p>HORTICULTURAL, AGRICULTURAL & INDUSTRIAL APPLICATIONS CATALOG 2021/22</p> <p>NGK</p>	<p>NGK Horticultural, Agricultural & Industrial Applications Catalog 2021/22</p> <p>This comprehensive catalog from NGK provides detailed application information for spark plugs used in horticultural, agricultural, and industrial equipment for the 2021/22 season. It includes technical specifications, installation guides, and cross-reference charts to help users find the correct ignition parts.</p>
 <p>BaseCamp® Manual</p> <p>Data Management, Route Planning and Insider's Tips</p> <p>The Software from Garmin to Plan a Trip, Survey the Terrain, Set Maps and Transfer Data to the GPS.</p> <p>Now with more GPS.</p> <p>by Michael Simmons</p> <p>http://www.garmin.com</p> <p>Version 1.1</p>	<p>Garmin BaseCamp Manual: Data Management and Route Planning Guide</p> <p>Comprehensive manual for Garmin BaseCamp software, covering data management, route planning, trip planning, map installation, and insider tips for both PC and Mac OS users.</p>



[Mac mini Late 2018 RAM Replacement Guide](#)

A step-by-step guide to replacing or upgrading the RAM in your Mac mini Late 2018 model. Learn how to safely disassemble your device and install new memory modules.