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› OEG Parts Alternator Instruction Manual for Honda Accord V6 3.0L (2004-2007), Model PP11030N

OEG Parts PP11030N

OEG Parts Alternator Instruction Manual

For Honda Accord V6 3.0L (2004-2007) - Model PP11030N

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your new OEG Parts Alternator. Please read these instructions carefully before proceeding with installation or use to ensure proper function and longevity of the product.

The OEG Parts Alternator is engineered to meet or exceed OE specifications, providing reliable performance for your vehicle's electrical system.

2. PRODUCT OVERVIEW



Figure 2.1: Front view of the OEG Parts Alternator. This image shows the main body of the alternator, including the pulley and mounting points, highlighting its robust construction.

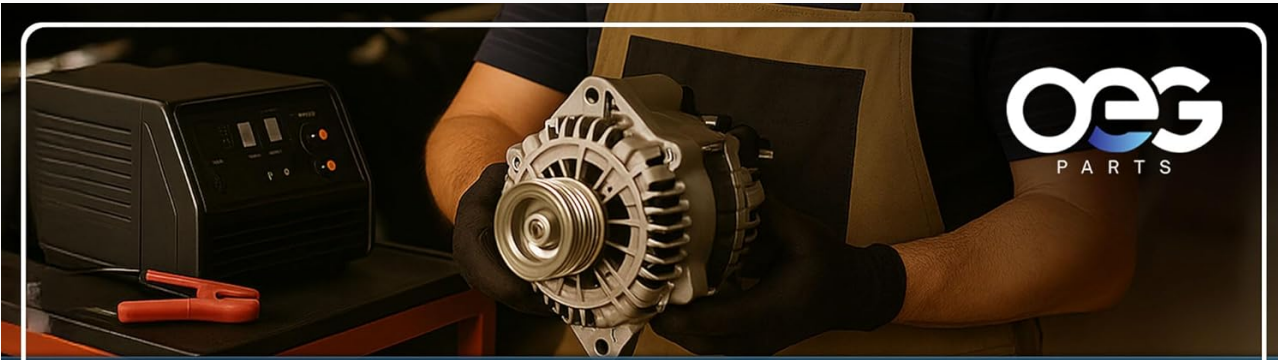
Figure 2.2: Side view of the OEG Parts Alternator. This perspective illustrates the

cooling fins and electrical connections, emphasizing the unit's design for efficient operation.

2.1 Key Features

- **100% New Premium Components:** Ensures optimal performance and reliability.
- **100% Durability & Performance Tested:** Each unit undergoes rigorous testing to guarantee quality.
- **Aluminum Housing:** Provides lightweight durability and efficient heat dissipation.
- **Non-Slip Pulley:** Designed for secure belt engagement and consistent power transfer.
- **OE Direct Fit:** Engineered for seamless integration without modifications.
- **Plug-and-Play Installation:** Simplifies the replacement process.

2.2 Components and Design



9 SIGNS OF A BAD ALTERNATOR

- 1 DEAD BATTERY**
- 2 BATTERY WARNING LIGHT**
- 3 STRANGE NOISE OR VIBRATIONS**
- 4 HEADLIGHT PROBLEMS**
- 5 STALLED ENGINE**
- 6 CAR WON'T START OR STALLS IMMEDIATELY**
- 7 ISSUES WITH RADIO AND INTERIOR LIGHT**
- 8 SMELL OF BURNING RUBBER OR WIRING**
- 9 ENGINE SQUEALS OR GROWLS WHEN THE CAR MOVING**

Figure 2.3: Exploded view illustrating internal components. This image highlights the premium grade bearings, high-quality brush material, high-grade copper windings, and high-performance electronics used in the alternator's construction.

3. SPECIFICATIONS



Figure 3.1: Visual representation of key item specifications.

Specification	Value
Model Number	PP11030N
Voltage	12V
Amperage	130A
Rotation	CW (Clockwise)
Regulator/Fan Type	IR/IF
Plug Code	296
Pulley Class	S6

Specification	Value
Unit Series	HAIRPIN
Mounting Hardware Included	No
Unit Finish	Same as OE
Number of Pieces	1
Item Weight	13.05 pounds
Product Dimensions	9.6 x 7.6 x 6.9 inches
Country of Origin	CN
Notes	PERMANENT MAGNET

3.1 Vehicle Compatibility

This alternator is compatible with the following Honda Accord V6 3.0L models:

- Honda Accord Special Edition 3.0L (2007)
- Honda Accord LX 3.0L (2004-2005)
- Honda Accord EX 3.0L (2004-2007)

4. SETUP AND INSTALLATION



Figure 4.1: The alternator is designed for plug-and-play installation without modifications.

Installation of an alternator typically requires automotive knowledge and specialized tools. If you are not confident in performing this procedure, it is recommended to seek assistance from a qualified mechanic.

4.1 General Installation Guidelines

1. **Safety First:** Always disconnect the negative terminal of the vehicle's battery before beginning any electrical work to prevent electrical shock or damage to the vehicle's systems.
2. **Locate the Alternator:** Identify the position of the existing alternator in your vehicle.
3. **Remove Drive Belt:** Loosen the tensioner and remove the serpentine drive belt from the alternator pulley.
4. **Disconnect Wiring:** Carefully disconnect all electrical connections from the old alternator, noting their positions for reinstallation. This typically includes the main power wire and a multi-pin connector.
5. **Remove Mounting Bolts:** Unbolt the old alternator from its mounting brackets.
6. **Install New Alternator:** Position the OEG Parts Alternator into the mounting brackets and secure it with the appropriate bolts. Ensure all connections are tight and properly aligned.
7. **Reconnect Wiring:** Reattach all electrical connections to the new alternator.
8. **Reinstall Drive Belt:** Place the serpentine belt back onto the pulley and adjust the tensioner to the manufacturer's specifications.
9. **Reconnect Battery:** Reconnect the negative battery terminal.
10. **Test System:** Start the vehicle and check for proper charging system operation, including monitoring the battery warning light and voltage output.

Note: This is a general guide. Refer to your vehicle's specific service manual for detailed, model-specific installation instructions.

5. OPERATING PRINCIPLES

The alternator is a key component of your vehicle's electrical system. Its primary function is to generate electrical power to run the vehicle's electrical components (such as lights, radio, and air conditioning) and to recharge the vehicle's battery while the engine is running.

When the engine is operating, the serpentine belt drives the alternator pulley, which in turn spins the rotor inside the alternator. This rotation creates a magnetic field that induces an alternating current (AC) in the stator windings. The alternator's rectifier then converts this AC into direct current (DC), which is regulated by the voltage regulator to maintain a stable output voltage (typically around 13.5 to 14.8 volts) for the vehicle's electrical system and battery charging.

6. MAINTENANCE

Proper maintenance of your vehicle's charging system can extend the life of your alternator and battery. While the OEG Parts Alternator is designed for durability, regular checks are recommended.

6.1 Recommended Checks

- **Battery Condition:** Ensure your battery is in good condition and properly charged. A weak battery can overwork the alternator.
- **Drive Belt Inspection:** Regularly inspect the serpentine belt for cracks, fraying, or excessive wear. Ensure it has the correct tension. A loose or worn belt can cause the alternator to slip and not charge effectively.
- **Wiring Connections:** Periodically check all electrical connections to the alternator for corrosion or looseness. Clean any corrosion and ensure connections are secure.
- **Listen for Unusual Noises:** Pay attention to any grinding, squealing, or whining noises coming from the alternator area, which could indicate bearing wear or other issues.

7. TROUBLESHOOTING

If you experience issues with your vehicle's charging system, the alternator may be a contributing factor. Below are common signs of a failing alternator and general troubleshooting steps.



Figure 7.1: Common indicators of an alternator malfunction.

7.1 Signs of a Bad Alternator

1. **Dead Battery:** The battery repeatedly dies, especially after driving.
2. **Battery Warning Light:** The battery light or 'ALT' light illuminates on your dashboard.
3. **Strange Noise or Vibrations:** Whining, grinding, or growling sounds from the engine bay.
4. **Headlight Problems:** Headlights that are dim, flickering, or excessively bright.
5. **Stalled Engine:** The engine stalls unexpectedly while driving.
6. **Car Won't Start or Stalls Immediately:** The vehicle fails to start or starts then quickly dies.
7. **Issues with Radio and Interior Light:** Electrical accessories malfunction or dim.
8. **Smell of Burning Rubber or Wiring:** An odor indicating an overworked belt or electrical short.

9. **Engine Squeals or Growls When the Car is Moving:** Often related to a loose or worn serpentine belt.

7.2 Basic Troubleshooting Steps

- **Check Battery Voltage:** Use a multimeter to check the battery voltage with the engine off (should be around 12.6V) and with the engine running (should be between 13.5V and 14.8V). If the voltage does not increase with the engine running, the alternator may not be charging.
- **Inspect Belt:** Ensure the serpentine belt is properly tensioned and free from damage.
- **Examine Connections:** Verify all electrical connections to the alternator are clean and secure.
- **Professional Diagnosis:** If basic checks do not resolve the issue, it is advisable to have the charging system professionally diagnosed.

8. WARRANTY INFORMATION

Your OEG Parts Alternator is backed by a **1-Year Unlimited Miles Warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, or to initiate a warranty claim, please contact OEG Parts customer support.

9. SUPPORT

For technical assistance, troubleshooting guidance, or warranty inquiries, please contact OEG Parts customer support through the following channels:

- **Online:** Visit the [OEG Parts Store on Amazon](#)
- **Email:** Refer to your purchase documentation for direct email support.
- **Phone:** Refer to your purchase documentation for direct phone support.

When contacting support, please have your product model number (PP11030N) and purchase details readily available.