

Denso 210-0766

Denso (210-0766) Remanufactured Alternator User Manual

Model: 210-0766 | Brand: Denso

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Denso (210-0766) Remanufactured Alternator. Please read these instructions carefully before proceeding with installation or use to ensure safe and effective performance.

The Denso (210-0766) Remanufactured Alternator is designed to meet stringent heat and electrical requirements, ensuring reliable power generation for your vehicle's electrical system. It is engineered for precise fitment, minimizing belt and pulley alignment issues.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with automotive electrical components:

- Disconnect the vehicle's battery before beginning any work on the electrical system to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands if working underneath.
- Avoid contact with hot engine components.
- Consult a qualified automotive technician if you are unsure about any step of the installation process.

3. INSTALLATION GUIDE

Proper installation is crucial for the performance and longevity of your alternator. The following steps provide a general guide. Specific vehicle models may require additional steps or tools. Refer to your vehicle's service manual for detailed instructions.



Image 1: Denso (210-0766) Remanufactured Alternator. This image shows the alternator unit with its pulley and electrical connections, alongside a Denso branded box.

3.1. Preparation

1. Ensure the vehicle is parked on a level surface and the engine is off and cool.
2. Disconnect the negative (-) battery terminal, then the positive (+) terminal.
3. Access the alternator. This may involve removing various components depending on your vehicle model. Common steps include:
 - Removing the air filter intake.
 - Removing the plastic cover on the top of the radiator.
 - Removing the intake plenum plastic cover.
 - Disconnecting the connector at the #1 ignition coil and removing the #1 ignition coil.
 - Pulling the Power Steering (P/S) fluid reservoir from its bracket and removing the bracket.
 - Pulling the coolant overflow reservoir from its bracket, and detaching hard lines and hoses from mounting clips, then removing the bracket.
 - Removing the A/C low-pressure hose mount from the strut tower.

3.2. Alternator Removal

1. Loosen the serpentine belt tensioner and remove the serpentine belt from the alternator pulley.
2. Move the rubber boot and disconnect the electrical connector from the alternator.
3. Move the rubber boot and disconnect the main battery cable from the alternator using a 12mm socket.
4. Remove the alternator's upper mounting bracket, which typically has two 12mm bolts.
5. Remove the alternator's bottom bolt (often a 14mm socket).
6. Carefully maneuver the old alternator out of its position. The space may be tight, requiring careful wiggling.

3.3. New Alternator Installation

1. Position the new Denso alternator into place.
2. **Important Note on Fitment:** Some installations may require adjusting a sleeve in the bottom mount. If the alternator does not fit perfectly, use channel locks or a similar tool to gently knock the sleeve in the bottom mount towards the passenger side. This sleeve is designed to take up clearance and will slide towards the driver's side when the bolt is torqued.
3. Install the bottom 14mm bolt and torque to **33 ft-lbs**.
4. Install the upper mounting bracket with its two 12mm bolts and torque to **16 ft-lbs**.
5. Reconnect the main battery cable to the alternator using a 12mm socket and replace the rubber boot.
6. Reconnect the electrical connector and replace its rubber boot.
7. Reinstall the serpentine belt and adjust the tensioner to the manufacturer's specifications.
8. Reinstall all previously removed components (P/S reservoir, coolant overflow, air intake, etc.).
9. Reconnect the positive (+) battery terminal, then the negative (-) terminal.

4. OPERATING INSTRUCTIONS

Once correctly installed, the Denso Remanufactured Alternator operates automatically as part of your vehicle's charging system. It converts mechanical energy from the engine into electrical energy to power the vehicle's electrical components and recharge the battery.

- After installation, start the vehicle and observe the dashboard. The battery warning light should turn off.
- Using a voltmeter, check the voltage across the battery terminals with the engine running. A healthy charging system typically shows between 13.5 and 14.8 volts.
- Listen for any unusual noises from the alternator area.

5. MAINTENANCE

Alternators are generally low-maintenance components. However, periodic checks can help ensure optimal performance:

- **Belt Inspection:** Regularly check the serpentine belt for cracks, fraying, or excessive wear. Ensure proper belt tension according to your vehicle's specifications. A loose belt can lead to insufficient charging.
- **Electrical Connections:** Periodically inspect the alternator's electrical connections for corrosion or looseness. Clean any corrosion and ensure connections are secure.
- **Battery Health:** A weak or failing battery can put undue strain on the alternator. Ensure your battery is in good condition and holds a charge properly.
- **Fluid Leaks:** Be aware of any fluid leaks (e.g., oil, power steering fluid) that could drip onto the

alternator, as this can cause premature failure.

6. TROUBLESHOOTING

If you experience issues after installing your Denso Remanufactured Alternator, consider the following common problems:

- **Battery Warning Light On:**
 - Check all electrical connections to the alternator and battery for security and corrosion.
 - Inspect the serpentine belt for proper tension and condition.
 - Verify the battery's charge level and overall health.
- **Low Voltage Reading (below 13.5V with engine running):**
 - Could indicate an issue with the alternator's output, wiring, or a heavily discharged battery.
 - Ensure all connections are clean and tight.
- **Unusual Noises (whining, grinding):**
 - May indicate a problem with the alternator bearings or pulley.
 - Check for proper belt alignment and tension.
- **Alternator Not Spinning:**
 - Ensure the serpentine belt is correctly installed and tensioned.
 - Verify that the alternator pulley is not seized.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive technician for diagnosis and repair.

7. SPECIFICATIONS

Feature	Specification
Model Number	210-0766
Manufacturer	Denso
Item Weight	13.5 pounds
Voltage	12 Volts
Condition	Remanufactured

8. WARRANTY AND SUPPORT

As a remanufactured product sold through Amazon Renewed, the warranty terms are typically provided by the seller or Amazon Renewed program. Please refer to the specific warranty information provided at the time of purchase or consult the [Amazon Renewed program details](#) for applicable coverage.

For technical questions regarding the Denso (210-0766) Alternator, you may contact Denso customer support or a certified automotive professional.

