

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [VEVOR](#) /

> [VEVOR Car Alternator Model 170-0161QX Instruction Manual](#)

VEVOR 170-0161QX

VEVOR Car Alternator Model 170-0161QX

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your VEVOR Car Alternator Model 170-0161QX. Please read these instructions thoroughly before proceeding with installation or use. Proper adherence to these guidelines will ensure optimal performance and longevity of the product.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Consistent Power Output:** Delivers a stable 12V DC output to power vehicle systems.
- **Durable Construction:** Features high-temperature resistant copper coils, a lightweight aluminum housing, and an integrated cooling fan for enhanced heat dissipation and conductivity.
- **Precision Engineering:** Equipped with a 6-groove pulley for stable, slip-free transmission up to 6000 RPM.
- **OE Level Fitment:** Designed for precise fitment with factory connections and multiple OE reference numbers.

2.2 Vehicle Compatibility

The VEVOR Car Alternator Model 170-0161QX is compatible with a wide range of trucks, sedans, and SUVs. Refer to the detailed compatibility list below and cross-reference with your vehicle's specifications and original equipment (OE) numbers.

Automotive Alternator

Get more stable power supply and charging



OEM
Replacement



High Power
Efficiency



Low Noise &
Vibration



Long-Term
Durability

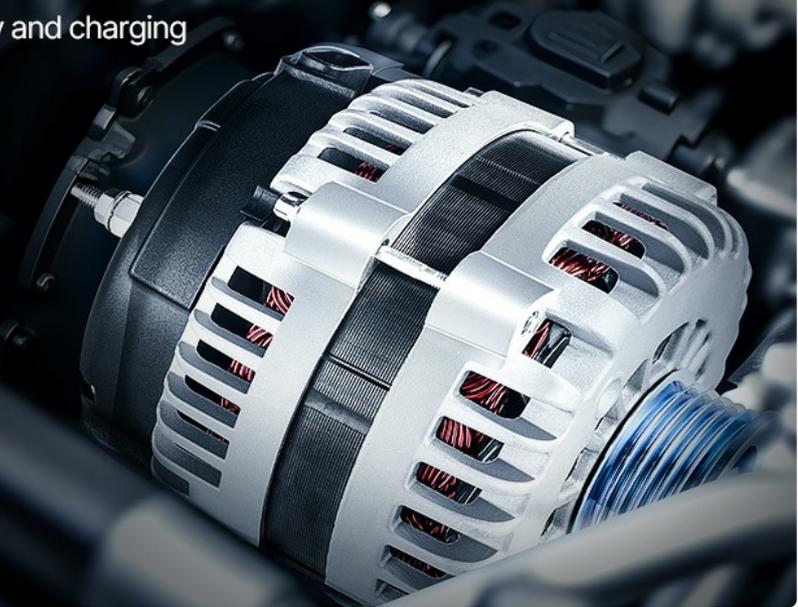


Image Description: This image displays a comprehensive list of compatible vehicle models and years for the VEVOR alternator. It categorizes compatibility by manufacturer: Chevrolet (various Silverado, Suburban, Tahoe, Trailblazer, SSR models from 1999-2005), GMC (various Yukon, Sierra, Savana, Envoy models from 2000-2006), Saab (9-7x V8 5.3L 2005-2006), and Isuzu (Ascender V8 5.3L 2003-2006). Below the vehicle list, a section titled 'OE-Number' lists numerous original equipment part numbers for cross-referencing.

OE Reference Numbers: 10464443, 10464456, 10464476, 15200109, 15226003, 15263859, 15750871, 15754097A, and others as listed in the compatibility image.

3. SAFETY INFORMATION

- Always disconnect the vehicle's battery terminals (negative first) before working on the electrical system.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands if working underneath.
- Avoid contact with hot engine components.
- If you are unsure about any step, consult a qualified automotive technician.

4. SETUP AND INSTALLATION

Installation of an alternator typically involves working with the vehicle's electrical and belt systems. It is recommended that installation be performed by a certified mechanic or individuals with extensive automotive repair experience.

4.1 General Installation Steps (Consult Vehicle Service Manual for Specifics)

1. **Preparation:** Disconnect the negative battery terminal. Locate the alternator in your vehicle's engine bay.
2. **Belt Removal:** Loosen the tensioner and remove the serpentine belt from the alternator pulley.
3. **Wiring Disconnection:** Disconnect all electrical connections from the old alternator (battery cable, regulator wire, etc.). Note their positions for reassembly.

4. **Alternator Removal:** Unbolt the old alternator from its mounting brackets and carefully remove it from the engine bay.
5. **New Alternator Installation:** Position the new VEVOR alternator into the mounting brackets. Secure it with bolts, ensuring proper alignment.
6. **Wiring Reconnection:** Reconnect all electrical wires to the new alternator, ensuring secure and correct connections.
7. **Belt Reinstallation:** Route the serpentine belt correctly around all pulleys and tension it according to your vehicle's specifications.
8. **Final Check:** Reconnect the negative battery terminal. Start the vehicle and check for proper charging system operation (e.g., battery warning light off, voltage meter reading).

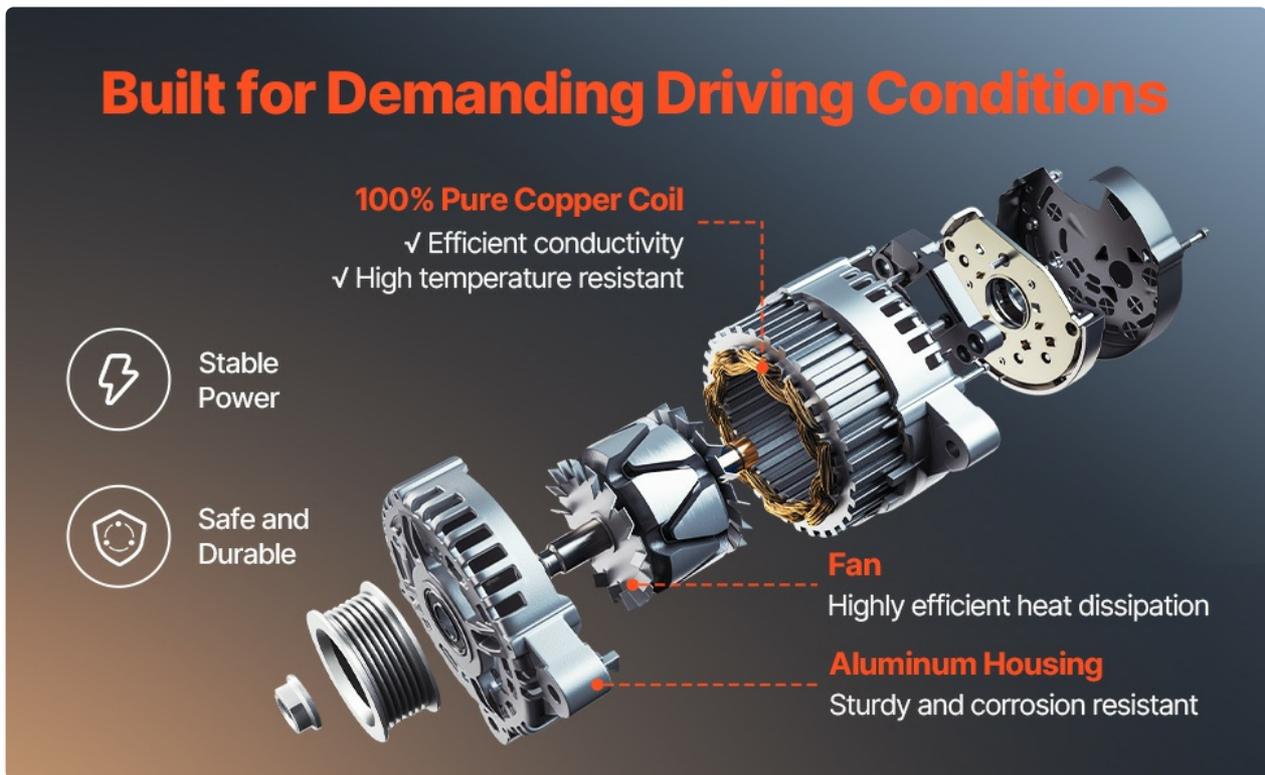


Image Description: This image highlights the 'Direct Fit & Durable Replacement' aspects of the VEVOR alternator. It features three close-up views: the top image shows the wear-resistant and non-slip pulley, the middle image displays the rugged housing, and the bottom image illustrates the precise mounting holes and pin position for accurate installation.

5. OPERATING INSTRUCTIONS

Once installed, the alternator operates automatically to generate electrical power for your vehicle's systems and recharge the battery. There are no specific user operating controls for the alternator itself.

5.1 Normal Operation

- Upon starting the engine, the alternator begins to produce electricity.
- The vehicle's dashboard battery warning light should turn off shortly after the engine starts, indicating the alternator is charging.
- The voltage gauge (if present) should read within the normal operating range (typically 13.5-14.8 volts).

Image Description: This image highlights the 'Consistent Power Output' of the VEVOR alternator. It features a close-up view of the alternator's internal components and lists key performance specifications: Amperage (253 A), Output Voltage (12 V), Rated Speed (6000 r/min), and Number of Grooves (6-Groove Pulley). A CE mark is also visible, indicating compliance with

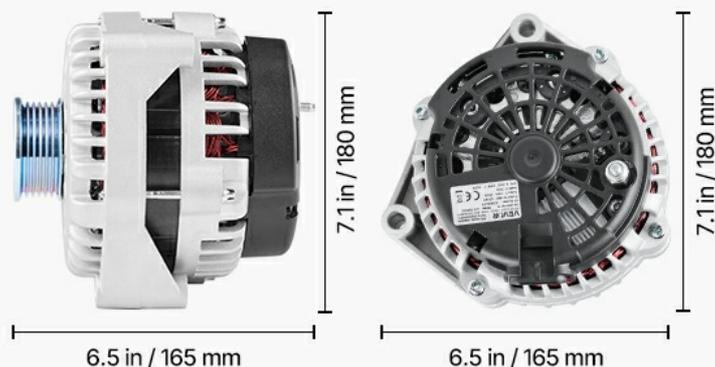
6. MAINTENANCE

Alternators are generally low-maintenance components. However, regular checks of related systems can help ensure its longevity and proper function.

- **Battery Health:** Ensure your vehicle's battery is in good condition. A failing battery can overwork the alternator.
- **Belt Condition:** Regularly inspect the serpentine belt for cracks, fraying, or excessive wear. Ensure it is properly tensioned. 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 with a wire brush and battery terminal cleaner.
- **Cleanliness:** Keep the alternator free from excessive dirt, oil, and debris, which can impede cooling.

7. TROUBLESHOOTING

If you experience issues with your vehicle's charging system, the alternator may be a contributing factor. Here are common signs of alternator failure and potential solutions.



Item Model Number: **170-0161QX**

Amperage: **253A**

Output Voltage: **12V**

Rated Speed: **6000 r / min**

Number of Grooves: **6-Groove Pulley**

Main Material: **Aluminum Case, Pure Copper Round Coil**

Product weight: **15.3 lbs (6.95 kg)**

Product Size: **6.5 x 6.5 x 7.1 inch (165 x 165 x 180 mm)**

Accessories: **1 x Instruction Manual**

Image Description: This image visually represents the 'Signs of Alternator Failure'. It shows three distinct scenarios: a car with blinking headlights, a dashboard with a battery warning light illuminated, and a hand pressing an 'Engine Start Stop' button, symbolizing hard starting. These are common indicators that the alternator may not be functioning correctly.

7.1 Common Symptoms of Alternator Failure

- **Battery Warning Light:** The battery light on your dashboard remains illuminated after starting the engine.
- **Dim or Flickering Lights:** Headlights, interior lights, or dashboard lights appear dim or flicker, especially at idle.
- **Hard Starting or Dead Battery:** The battery struggles to hold a charge, leading to difficulty starting the

vehicle or a completely dead battery.

- **Accessory Malfunctions:** Power windows, radio, air conditioning, or other electrical accessories may function erratically or not at all.
- **Unusual Noises:** A grinding or whining noise from the alternator area can indicate worn bearings.

7.2 Troubleshooting Steps

1. **Check Battery:** Ensure the battery is fully charged and in good condition. A weak battery can mimic alternator problems.
2. **Inspect Belt:** Verify the serpentine belt is intact, properly tensioned, and not slipping.
3. **Check Connections:** Ensure all electrical connections to the alternator and battery are clean and tight.
4. **Voltage Test:** With the engine running, use a multimeter to check the voltage across the battery terminals. A healthy charging system should show approximately 13.5 to 14.8 volts. If it's significantly lower or higher, the alternator or voltage regulator may be faulty.
5. **Professional Diagnosis:** If these steps do not resolve the issue, it is recommended to have the vehicle diagnosed by a professional mechanic.

8. SPECIFICATIONS

Detailed specifications for the VEVOR Car Alternator Model 170-0161QX are provided below:

Signs of Alternator Failure



Lights
Blinking



Dashboard
Warning Light On



Hard
Starting



Image Description: This image presents two views of the VEVOR alternator, one from the side and one from the rear, with clear dimension labels. It indicates a width of 6.5 inches (165 mm) and a height of 7.1 inches (180 mm). Below the alternator images, a table lists key specifications: Item Model Number (170-0161QX), Amperage (253A), Output Voltage (12V), Rated Speed (6000 r/min), Number of Grooves (6-Groove Pulley), Main Material (Aluminum Case, Pure Copper Round Coil), Product Weight (15.3 lbs / 6.95 kg), and Product Size (6.5 x 6.5 x 7.1 inches / 165 x 165 x 180 mm).

Specification	Value
Model Number	170-0161QX
OE Part Number	10464443 (Primary), 10464456, 10464476, 15200109, etc.
Amperage	253 A

Output Voltage	12 V
Rated Speed	6000 r/min
Number of Grooves	6-Groove Pulley
Product Dimensions (L x W x H)	16.51 x 16.51 x 18.01 cm (6.5 x 6.5 x 7.1 inches)
Product Weight	6.95 kg (15.3 lbs)
Main Material	Aluminum Case, Pure Copper Round Coil

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your VEVOR Car Alternator, please contact VEVOR customer service through the official VEVOR website or your purchase platform. Please have your model number (170-0161QX) and purchase details ready when contacting support.