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Dorman 611-236

Dorman 611236 Wheel Nut M14-1.5 User Manual

Comprehensive instructions for installation, maintenance, and specifications.

1. Introduction

This manual provides essential information for the proper installation, use, and maintenance of your Dorman 611236 Wheel Nut. Designed for automotive applications, this M14-1.5 wheel nut is a critical component for securing vehicle wheels. Adhering to these instructions will help ensure safe and reliable performance.

2. Safety Information

Always prioritize safety when working on a vehicle. Improper installation of wheel nuts can lead to serious accidents. Please observe the following safety guidelines:

- Ensure the vehicle is parked on a level, stable surface and properly supported with jack stands before removing or installing wheels.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Use only the correct tools for the job, including a torque wrench to achieve specified torque values.
- Never use impact wrenches for final tightening of wheel nuts, as this can lead to over-tightening or damage.
- Consult your vehicle's service manual for specific wheel nut torque specifications and procedures.
- Inspect wheel studs and nuts for damage, corrosion, or stripped threads before installation. Replace damaged components immediately.

3. Product Overview

The Dorman 611236 is a high-quality M14-1.5 wheel nut, manufactured from alloy steel and finished with chrome for durability and corrosion resistance. It is designed to meet or exceed original equipment specifications, providing a secure fit for your vehicle's wheels.



Figure 1: A close-up view of the Dorman 611236 wheel nut, featuring a chrome finish and hexagonal head. This M14-1.5 lug nut is designed for securing vehicle wheels.

4. Installation

Follow these steps for proper installation of the Dorman 611236 Wheel Nut:

1. **Prepare the Vehicle:** Ensure the vehicle is safely lifted and supported. Remove the old wheel nuts and wheel if necessary.
2. **Inspect Components:** Clean any rust or debris from the wheel studs and the mating surface of the wheel. Inspect studs for damage.
3. **Position the Wheel:** Carefully place the wheel onto the hub, ensuring it sits flush against the mounting surface.
4. **Hand-Tighten Nuts:** Thread each Dorman 611236 wheel nut onto its respective stud by hand. Ensure they turn freely without resistance to avoid cross-threading.
5. **Snug Nuts:** Using a lug wrench, snug the wheel nuts in a star or crisscross pattern until they are finger-tight.
6. **Lower Vehicle:** Partially lower the vehicle until the tires just touch the ground, preventing the wheel from rotating while torquing.
7. **Torque Nuts:** Using a calibrated torque wrench, tighten each wheel nut to the vehicle manufacturer's specified torque value. Follow the star or crisscross pattern. Do not over-tighten.
8. **Final Lowering:** Fully lower the vehicle and remove the jack and jack stands.
9. **Re-torque Check:** After driving approximately 50-100 miles, re-check the torque of all wheel nuts to ensure they remain properly seated.

5. Operating

Once properly installed and torqued, the Dorman 611236 Wheel Nut functions to securely fasten the wheel to the vehicle's hub. Its robust alloy steel construction and precise M14-1.5 threading ensure a reliable connection, maintaining wheel alignment and safety during vehicle operation. Regular checks, as outlined in the maintenance section, are crucial for continued safe operation.

6. Maintenance

Proper maintenance extends the life of your wheel nuts and ensures vehicle safety:

- **Regular Inspection:** Periodically inspect wheel nuts for signs of corrosion, rust, or damage. Replace any compromised nuts immediately.
- **Torque Verification:** As mentioned in the installation section, re-check torque after initial driving. It is also good practice to check torque whenever wheels are removed and reinstalled, or during routine tire rotations.
- **Cleaning:** Keep wheel nuts clean from excessive dirt, mud, or road salt, which can accelerate corrosion.
- **Avoid Over-tightening:** Consistently over-tightening wheel nuts can stretch or damage wheel studs and the nuts themselves, leading to premature failure. Always use a torque wrench.

7. Troubleshooting

Common issues related to wheel nuts and their solutions:

Problem	Possible Cause	Solution
Wheel nut feels loose after driving.	Improper initial torque, wheel settling, or damaged stud/nut.	Re-torque all wheel nuts to manufacturer specifications. If problem persists, inspect studs and nuts for damage and replace as needed.
Difficulty threading wheel nut.	Cross-threading, damaged stud threads, or debris on threads.	Do not force the nut. Remove and inspect stud and nut threads. Clean threads or replace damaged components. Always hand-start nuts.
Wheel vibration.	Loose wheel nuts, unbalanced wheel, or other suspension issues.	Check and re-torque wheel nuts. If vibration continues, consult a professional mechanic to diagnose wheel balance or suspension problems.

8. Specifications

Feature	Detail
Brand	Dorman
Model Number	611-236
Material	Alloy Steel
Fastener Type	Wheel Nut
Exterior Finish	Chrome
Inside Thread Size	M14-1.5

Feature	Detail
Item Dimensions (L x W x H)	4.88 x 3.75 x 2.25 inches
Item Weight	1.88 pounds
UPC	019495148333

9. Warranty and Support

Dorman products are manufactured to high-quality standards. For specific warranty information or technical support regarding your Dorman 611236 Wheel Nut, please refer to the official Dorman website or contact Dorman customer service directly. Keep your purchase receipt for warranty claims.
Dorman Website: www.dormanproducts.com

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