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> Dorman 611-102 Wheel Lug Nut Instruction Manual

Dorman 611-102

Dorman 611-102 Wheel Lug Nut Instruction Manual

Model: 611-102

Brand: Dorman

1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of the Dorman 611-102 Wheel Lug Nut. Adhering to these instructions is crucial for vehicle safety and product longevity. Please read this manual thoroughly before proceeding with installation.

2. PRODUCT OVERVIEW

The Dorman 611-102 is a high-quality wheel lug nut designed for securing vehicle wheels. It features a lock fastener type, ensuring a secure fit. This product is manufactured by Dorman Products, a trusted name in automotive components.



This image displays the Dorman 611-102 Wheel Lug Nut alongside a separate washer, both in a metallic finish, illustrating the components included.

Each package contains one (1) Dorman 611-102 Wheel Lug Nut.

3. INSTALLATION

Proper installation of wheel lug nuts is critical for vehicle safety. If you are unsure about any step, it is recommended to seek assistance from a qualified automotive technician.

1. **Safety First:** Ensure the vehicle is parked on a level surface, the parking brake is engaged, and the wheel is properly chocked before lifting the vehicle with a jack.
2. **Remove Old Lug Nut (if applicable):** If replacing an existing lug nut, use the appropriate lug wrench to loosen and remove it.
3. **Inspect Wheel Studs:** Check the wheel studs for any damage, corrosion, or stripped threads. Replace damaged studs before installing new lug nuts.
4. **Position Wheel:** Carefully align the wheel onto the vehicle's wheel studs.
5. **Install New Lug Nut:** Thread the Dorman 611-102 Wheel Lug Nut onto the wheel stud by hand. Ensure it threads smoothly without resistance. Cross-threading can damage the stud and the lug nut.
6. **Tighten in Stages:** Once all lug nuts are hand-tight, lower the vehicle until the wheel just touches the ground. Using a torque wrench, tighten the lug nuts in a star pattern to the vehicle manufacturer's specified torque settings. This ensures even pressure and prevents wheel distortion.
7. **Final Torque:** Fully lower the vehicle and remove the jack. Re-check the torque of all lug nuts to the manufacturer's specifications.
8. **Post-Installation Check:** After driving approximately 50-100 miles, re-check the lug nut torque to ensure they remain properly seated.

Warning: Never use an impact wrench for final tightening of lug nuts, as this can lead to over-tightening and damage to the studs or wheel.

4. MAINTENANCE

Regular inspection and maintenance are essential for the safe operation of your vehicle.

- **Periodic Inspection:** During routine tire rotations or vehicle inspections, check the Dorman 611-102 Wheel Lug Nuts for any signs of damage, corrosion, or loosening.
- **Torque Verification:** Periodically verify that the lug nuts are tightened to the vehicle manufacturer's recommended torque specifications.
- **Cleaning:** Keep lug nuts free from excessive dirt, rust, or debris that could affect their proper seating or removal.

5. TROUBLESHOOTING

While the Dorman 611-102 Wheel Lug Nut is designed for reliability, issues can arise from improper installation or external factors.

- **Lug Nut Loosening:** If a lug nut repeatedly loosens after proper torque, inspect the wheel stud, wheel, and lug nut for damage. Ensure the correct lug nut type is being used for your wheel.
- **Stripped Threads:** If a lug nut cannot be tightened or removed smoothly, the threads on either the lug nut or the wheel stud may be stripped. Do not force it. Replace the damaged component immediately.
- **Corrosion/Rust:** While the lug nut is designed to resist corrosion, extreme conditions can lead to rust. Replace severely corroded lug nuts to ensure proper function and safety.

For any persistent issues or concerns, consult a professional automotive technician.

6. SPECIFICATIONS

Attribute	Detail
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Brand	Dorman
Model Number	611-102
Manufacturer Part Number	611102
Product Type	Wheel Lug Nut
Fastener Type	Lock
Item Weight	0.01 ounces
Package Dimensions	3.08 x 3.08 x 2.51 inches
Package Quantity	1
UPC	194956111030

7. WARRANTY AND SUPPORT

For specific warranty information regarding the Dorman 611-102 Wheel Lug Nut, please refer to the official Dorman Products website or contact their customer service directly. Warranty terms and conditions may vary.

If you require technical assistance or have questions not covered in this manual, please contact Dorman Products customer support through their official channels.