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Dorman 615-080 Spindle Nut Retainer: Installation and Maintenance Guide

Model: 615-080 | Brand: Dorman

1. PRODUCT OVERVIEW

The Dorman 615-080 Spindle Nut Retainer is engineered as a direct replacement component. It is designed to match the fit and function of the original part on specified vehicles, ensuring reliable performance and a long service life. This retainer is an ideal solution for replacing a missing or fatigued original part.

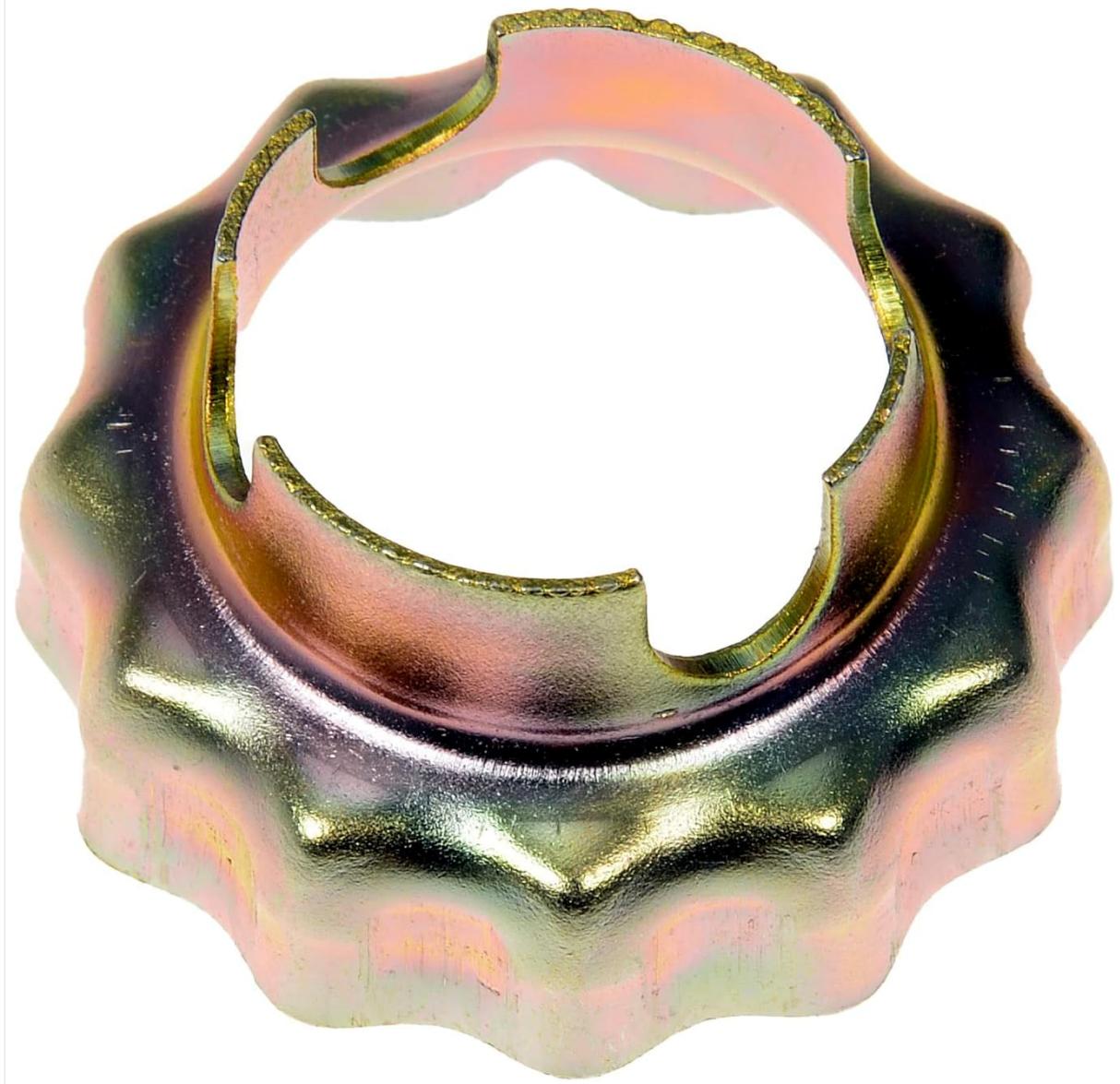


Image 1: Top-down view of the Dorman 615-080 Spindle Nut Retainer. This image shows the overall shape and design of the retainer, highlighting its multi-point structure.

2. KEY FEATURES

- **Direct Replacement:** This spindle nut retainer is designed to match the fit and function of the factory part on specified years, makes, and models.
- **Reliable Solution:** Serves as a dependable replacement for an original part that may be missing or has failed due to wear and fatigue.
- **Durable Construction:** Manufactured from quality alloy steel with a zinc exterior finish to ensure reliable performance and extended service life.
- **Quality Assurance:** Backed by Dorman's team of product experts and over a century of automotive experience.
- **Vehicle Compatibility:** Users should verify fitment for their exact vehicle by inputting make, model, and trim level into a compatibility tool.

3. PRODUCT SPECIFICATIONS

Specification	Detail
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Specification	Detail
Material	Alloy Steel
Fastener Type	Hex Bolt (for associated nut)
Thread Size (Associated Nut)	M22
Exterior Finish	Zinc
Color	Multi
Metal Type	Carbon Steel
Item Dimensions (L x W x H)	3.63 x 2.38 x 2.19 inches
Item Weight	3.2 ounces
Number of Pieces	5
Manufacturer Part Number	615-080
UPC	019495617808

4. INSTALLATION INSTRUCTIONS

This spindle nut retainer is designed for direct replacement. Proper installation is crucial for vehicle safety and performance. Always consult your vehicle's specific service manual for detailed instructions and torque specifications before beginning any work.

General Installation Steps:

- Safety First:** Ensure the vehicle is safely supported on jack stands and the wheel is removed. Wear appropriate personal protective equipment.
- Access the Axle Nut:** Locate the axle nut and the existing retainer on the spindle.
- Remove Old Retainer:** Carefully remove the old spindle nut retainer. This may involve prying it off or using a specialized tool, depending on its design.
- Inspect Components:** Examine the axle nut and spindle threads for any damage or wear. Replace any damaged components as necessary.
- Install New Retainer:** Position the new Dorman 615-080 retainer over the axle nut. Ensure it seats correctly and securely. The retainer's design is intended to lock the axle nut in place.
- Verify Fitment:** Confirm that the retainer fits snugly over the axle nut and engages properly with the spindle.
- Reassemble:** Reinstall the wheel and lower the vehicle.



Image 2: Side view of the Dorman 615-080 Spindle Nut Retainer. This angle illustrates the height and profile of the retainer, which is important for proper seating.

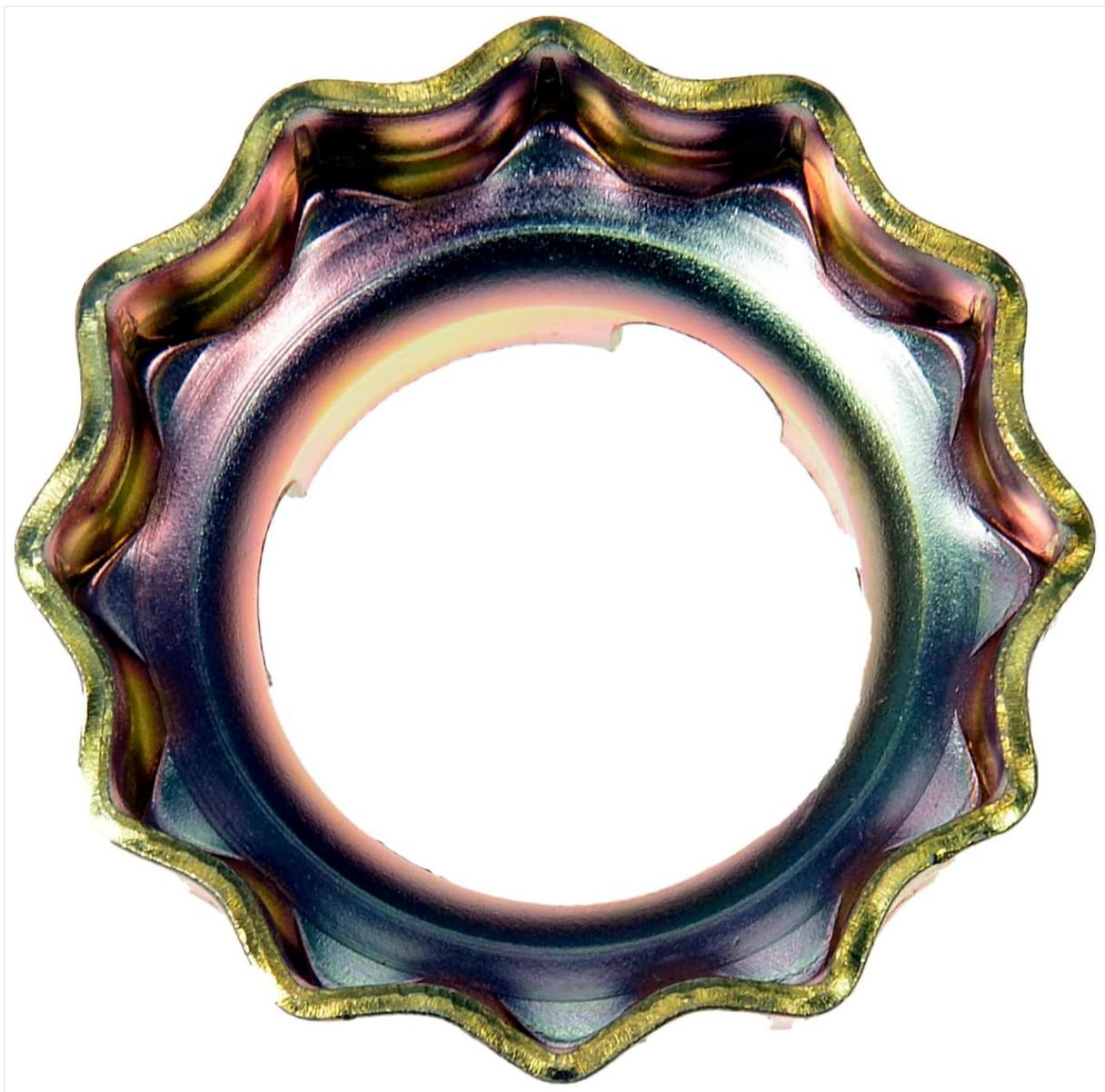


Image 3: Angled top view of the Dorman 615-080 Spindle Nut Retainer. This view provides a clearer look at the internal structure and the engagement points for the axle nut.

5. MAINTENANCE

Spindle nut retainers are generally maintenance-free components. However, it is recommended to inspect them periodically during routine vehicle maintenance, such as tire rotations or brake inspections. Check for:

- **Corrosion:** Look for signs of rust or corrosion, especially in areas exposed to road salt or moisture.
- **Damage:** Inspect for any cracks, bends, or deformation that could compromise its ability to secure the axle nut.
- **Security:** Ensure the retainer is still firmly seated and performing its function of preventing the axle nut from loosening.

If any issues are observed, replace the retainer immediately with a new Dorman 615-080 part.

6. TROUBLESHOOTING

Fitment Issues:

If the retainer does not fit correctly over the axle nut, consider the following:

- **Verify Axle Nut Size:** Confirm that the axle nut on your vehicle matches the M22 thread size specification for which this retainer is designed. Measure the outer diameter of your axle nut if possible.
- **Check for Manufacturing Variations:** While Dorman parts are designed to precise specifications, rare manufacturing variations can occur. If the retainer's internal diameter appears incorrect (e.g., measuring 31.4mm when designed for a 32mm nut), it may be out of specification.
- **Confirm Vehicle Application:** Double-check that the Dorman 615-080 is indeed the correct part number for your specific vehicle's year, make, and model. Incorrect application is a common cause of fitment problems.
- **Inspect for Obstructions:** Ensure there are no burrs, debris, or damage on the axle nut or spindle that could prevent the retainer from seating properly.

If fitment issues persist after these checks, contact Dorman customer support or your automotive parts supplier for assistance.



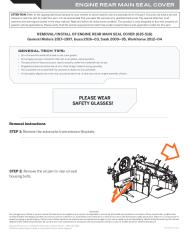
Image 4: Alternative top view of the Dorman 615-080 Spindle Nut Retainer. This view offers another perspective on the retainer's design, useful for visual inspection during troubleshooting.

7. WARRANTY AND SUPPORT

Dorman products are manufactured to high-quality standards. For specific warranty information regarding the Dorman 615-080 Spindle Nut Retainer, please refer to the packaging or visit the official Dorman website. For technical support or inquiries, you can contact Dorman customer service through their official channels.

Visit the [Dorman Store on Amazon](#) for more products and information.

Related Documents - 615-080

	<p>Dorman Automotive Hardware Catalog: Comprehensive Fasteners and Components</p> <p>Explore the Dorman Automotive Hardware Catalog, featuring a wide range of fasteners, nuts, bolts, springs, and specialized tech trays for automotive repair and maintenance. Find part numbers and applications for efficient inventory and service.</p>
	<p>Dorman 601-037 Steering Column Lock Actuator Programming and Verification Guide</p> <p>Detailed instructions for programming and verifying the Dorman 601-037 Steering Column Lock Actuator, including safety precautions and troubleshooting tips.</p>
	<p>Chrysler Pacifica Interior Door Handle Kit Installation and Removal Guide (2008-2004)</p> <p>Step-by-step instructions for the removal and installation of the interior door handle kit for 2008-2004 Chrysler Pacifica models. Includes kit contents, required tools, and detailed procedures.</p>
	<p>Dorman 917-504 Exhaust Manifold Clamp Repair Kit Instructions</p> <p>Detailed instructions for installing the Dorman 917-504 exhaust manifold clamp repair kit. Includes safety guidelines, step-by-step procedures, and technical support contact information.</p>
	<p>Chevrolet Silverado Interior Door Handle Installation and Removal Instructions</p> <p>Detailed instructions for installing and removing the interior door handle kit for Chevrolet Silverado models, including parts list and required tools.</p>
	<p>Dorman 635-518 Engine Rear Main Seal Cover Removal and Installation Guide</p> <p>Comprehensive removal and installation instructions for the Dorman 635-518 Engine Rear Main Seal Cover. This guide provides step-by-step procedures, technical tips, and compatibility information for General Motors, Isuzu, Saab, and Workhorse vehicles.</p>