

## Dorman 615-110

# Dorman 615-110 Spindle Nut Instruction Manual

COMPATIBLE WITH SELECT ACURA/HONDA MODELS

## 1. Introduction

This manual provides essential information for the proper installation and maintenance of the Dorman 615-110 Spindle Nut. This component is engineered as a direct replacement for the original equipment spindle nut on specific Acura and Honda vehicle models. Its function is to secure the wheel hub or axle, ensuring proper wheel assembly operation.

## 2. Safety Information

- **Professional Installation Recommended:** Vehicle repair can be complex and requires specialized tools and knowledge. If you are not experienced with automotive repairs, it is recommended to seek assistance from a qualified mechanic.
- **Eye Protection:** Always wear appropriate eye protection when working on vehicles to prevent injury from debris.
- **Vehicle Support:** Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work. Never rely solely on a jack.
- **Proper Tools:** Use the correct tools for each step of the installation process to avoid damage to the part or vehicle, and to ensure personal safety.
- **Torque Specifications:** Always refer to your vehicle's service manual for specific torque specifications for spindle nuts. Overtightening or undertightening can lead to component failure.

## 3. Package Contents

The Dorman 615-110 Spindle Nut package includes:

- 2 x Dorman 615-110 Spindle Nuts

## 4. Compatibility

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The Dorman 615-110 Spindle Nut is designed for direct replacement on select Acura and Honda models. To ensure proper fitment for your specific vehicle, it is crucial to verify compatibility using your vehicle's make, model, and year information. Consult the product listing or a Dorman fitment guide for detailed application data.

## 5. Installation Instructions

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The following steps outline a general procedure for spindle nut replacement. Always refer to your vehicle's specific service manual for detailed, model-specific instructions and safety precautions.

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels that will remain on the ground.
2. **Lift and Support:** Safely lift the vehicle using a jack and secure it with appropriate jack stands.
3. **Remove Wheel:** Remove the lug nuts and then the wheel from the hub assembly.
4. **Access Spindle Nut:** Depending on your vehicle, you may need to remove the brake caliper, rotor, or dust cap to access the spindle nut.
5. **Remove Old Nut:** Using the correct size socket or wrench, carefully remove the existing spindle nut. Note any washers or retaining clips for reinstallation.
6. **Inspect Components:** Inspect the axle shaft threads, wheel bearings, and other related components for wear or damage. Replace any damaged parts as necessary.
7. **Install New Nut:** Place the new Dorman 615-110 Spindle Nut onto the axle shaft.
8. **Torque to Specification:** Tighten the spindle nut to the torque specification provided in your vehicle's service manual. Use a torque wrench for accuracy.
9. **Reassemble:** Reinstall any removed components (brake caliper, rotor, dust cap) in reverse order.
10. **Reinstall Wheel:** Mount the wheel back onto the hub and tighten the lug nuts to the manufacturer's specified torque pattern and value.
11. **Lower Vehicle:** Carefully lower the vehicle to the ground.

## 6. Function and Purpose

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The Dorman 615-110 Spindle Nut plays a critical role in the vehicle's drivetrain and suspension system. It is designed to:

- **Secure Wheel Hub/Axle:** Maintain the correct preload on wheel bearings and prevent the wheel hub or axle from detaching.
- **Ensure Proper Alignment:** Contribute to the stability and alignment of the wheel assembly.
- **Prevent Vibration:** Help minimize unwanted vibrations and noise during vehicle operation.

## 7. Maintenance

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While spindle nuts are generally durable, periodic inspection is recommended:

- **Visual Inspection:** During routine vehicle maintenance (e.g., tire rotations, brake service), visually inspect the spindle nut for any signs of damage, corrosion, or loosening.

- **Torque Check:** If any looseness is suspected, re-torque the spindle nut to the manufacturer's specifications.
- **Replacement:** If the spindle nut shows signs of wear, damage, or if the threads are compromised, it should be replaced immediately to ensure vehicle safety.

## 8. Troubleshooting

Issues related to a spindle nut are typically a result of improper installation or severe wear. If you experience any of the following, consult a qualified mechanic:

- **Unusual Noises:** Clicking, grinding, or humming sounds from the wheel area, especially during turns or at speed.
- **Wheel Play:** Excessive movement or looseness when checking the wheel for play.
- **Vibration:** Unexplained vibrations felt through the steering wheel or vehicle body.

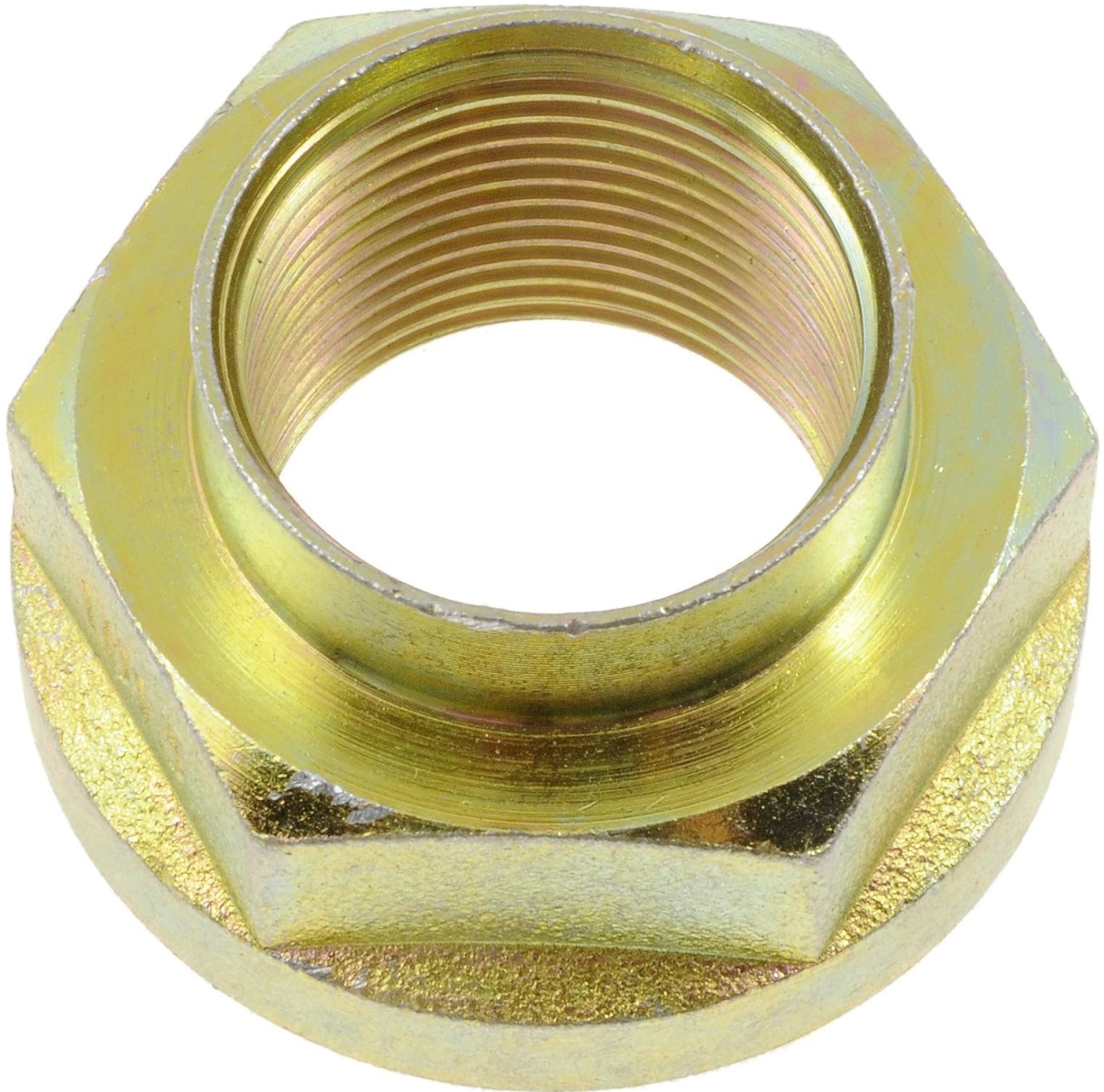
These symptoms may indicate a loose spindle nut, worn wheel bearings, or other related component failures.

## 9. Specifications

Specification	Detail
Brand	Dorman
Model Number	615-110
Material	Alloy Steel
Fastener Type	Hex
Thread Size	M24-1.5
Exterior Finish	Machined
Color	Yellow
Item Weight	0.46 Pounds (7.4 ounces)
Inside Thread Size	M24
Thread Style	Right Hand
Thread Class	Class 6H
Size	M24-1.5 Hex 36mm
Item Diameter	24 Millimeters
UPC	019495617587
Manufacturer	Dorman Products

## 10. Product Images

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**Image 1:** A top-down view of the Dorman 615-110 Spindle Nut, showcasing its hexagonal shape and internal threading. The nut has a yellow, machined finish.





**Image 2:** An angled view of the Dorman 615-110 Spindle Nut, highlighting its robust construction and the M24-1.5 thread pitch. The yellow finish is visible.

## 11. Warranty and Support

Dorman Products stands behind the quality of its parts. For specific warranty information, return policies, or technical support, please visit the official Dorman website or contact their customer service department. Always retain your proof of purchase for warranty claims.

You can find more information and contact details on the [Dorman Store on Amazon](#).

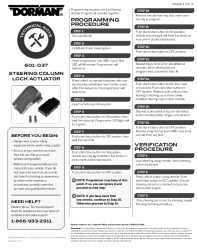
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This manual is for informational purposes only. Always consult a professional for vehicle repairs.



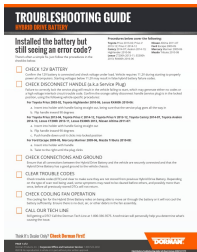
[Dorman Automotive Hardware Catalog: Comprehensive Fasteners and Components](#)

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.



[Dorman 601-037 Steering Column Lock Actuator Programming and Verification Guide](#)

Detailed instructions for programming and verifying the Dorman 601-037 Steering Column Lock Actuator, including safety precautions and troubleshooting tips.



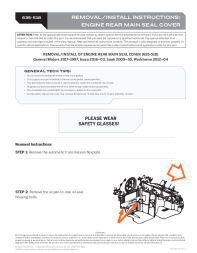
[Dorman Hybrid Drive Battery Troubleshooting Guide](#)

A comprehensive troubleshooting guide for Dorman Hybrid Drive Batteries, offering step-by-step procedures to resolve common error codes and ensure proper installation and function.



[Chevrolet Silverado Interior Door Handle Installation and Removal Instructions](#)

Detailed instructions for installing and removing the interior door handle kit for Chevrolet Silverado models, including parts list and required tools.



[Dorman 635-518 Engine Rear Main Seal Cover Removal and Installation Guide](#)

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.



[Dorman 924-784 Mechanical Key Relearn Ignition Lock Cylinder Installation Instructions](#)

Detailed instructions for installing and coding the Dorman 924-784 Mechanical Key Relearn Ignition Lock Cylinder. Learn how to repin the cylinder to your existing key, including step-by-step guidance and safety precautions.