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**MNMSYH A86160-2BLNCBA1117**

# MNMSYH Chrome Bulge Acorn Lug Nuts 1/2-20 & 7/16-20 Instruction Manual

## INTRODUCTION

This manual provides essential instructions for the proper installation, usage, and maintenance of MNMSYH Chrome Bulge Acorn Lug Nuts. Adhering to these guidelines will ensure safe and reliable performance.



Image: A set of MNMSYH Chrome Bulge Acorn Lug Nuts, showcasing their chrome finish and tapered design.

## SAFETY INFORMATION

- Always use appropriate personal protective equipment, including gloves and eye protection, when handling and installing lug nuts.
- Ensure the vehicle is securely supported on jack stands before removing or installing wheels. Never rely solely on a jack.
- Verify the correct thread size and seat type of the lug nuts for your vehicle's wheels before installation. Incorrect fitment can lead to wheel detachment.
- Do not use impact wrenches for final tightening of lug nuts, as this can lead to over-tightening, stripped threads, or damaged studs.
- Re-torque lug nuts after the first 50-100 miles of driving to ensure they remain properly seated.

## PRODUCT OVERVIEW

The MNMSYH Chrome Bulge Acorn Lug Nuts are designed for secure wheel attachment. This package includes 20 lug nuts, featuring a chrome finish and constructed from through-hardened steel for durability.

### Included Items:

- 20 x Chrome Bulge Acorn Lug Nuts (10 of 1/2-20 thread size, 10 of 7/16-20 thread size)

### Key Features:

- Material: Through-Hardened Steel
- Finish: Chrome Plated
- Style: Bulge Acorn (Conical Seat)
- Hex/Wrench Size: 3/4" (19mm)
- Thread Sizes: 1/2-20 and 7/16-20
- Dimensions: Approximately 0.9" diameter, 1.8" length

## SETUP AND INSTALLATION

### Pre-Installation Checks:

1. **Verify Thread Size:** Confirm that the lug nuts' thread size (1/2-20 or 7/16-20) matches your vehicle's wheel studs.
2. **Confirm Seat Type:** These lug nuts feature a Bulge Acorn (conical/tapered) seat. Ensure your wheels require this type of seat for proper and safe fitment. Using an incorrect seat type can lead to loose wheels and potential failure.

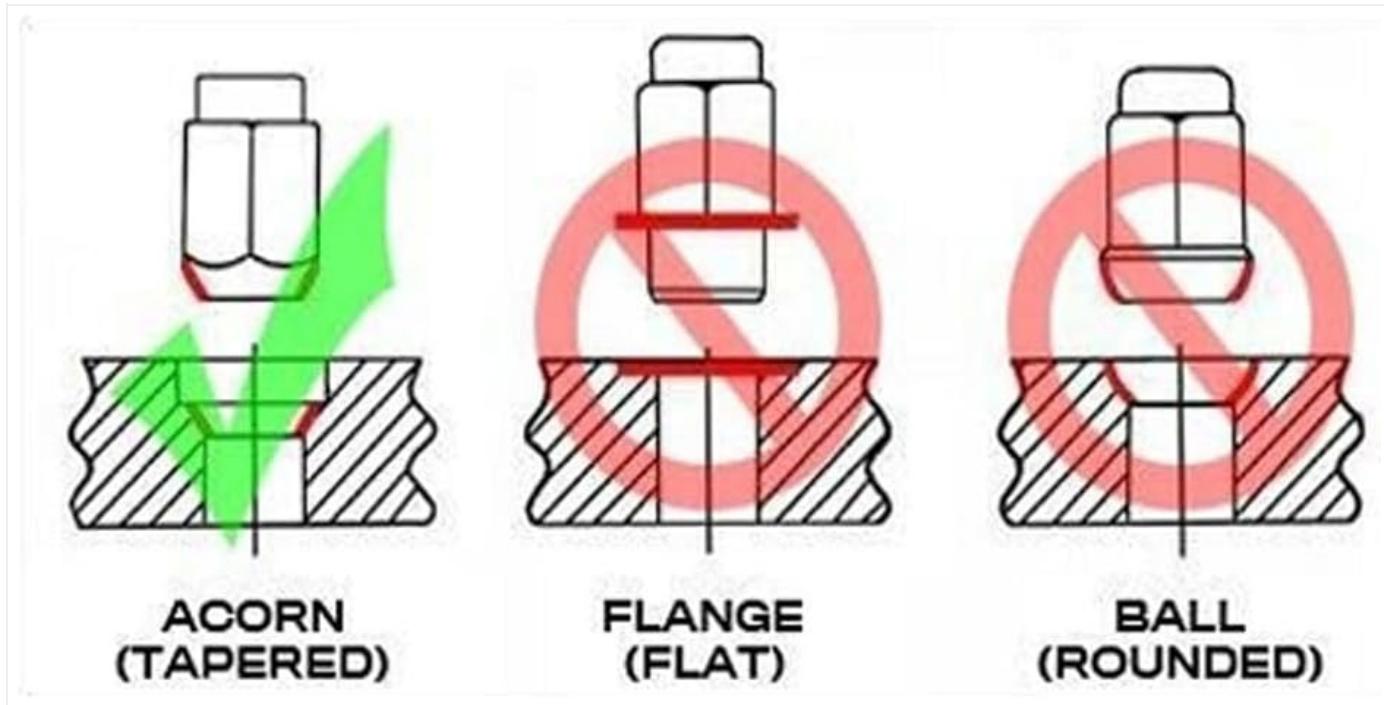


Image: Diagram illustrating the correct "Acorn (Tapered)" seat type for lug nuts, contrasted with incorrect "Flange (Flat)" and "Ball (Rounded)" seat types.

### Installation Steps:

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen the existing lug nuts slightly while the wheel is still on the ground.
3. Safely lift the vehicle using a jack and secure it with jack stands.
4. Remove the old lug nuts and wheel.

5. Clean any rust or debris from the wheel studs and the wheel's mounting surface.
6. Mount the wheel onto the studs.
7. Install the new MNMSYH lug nuts by hand, ensuring they thread smoothly onto the studs. Do not force them.
8. Once all lug nuts are hand-tight, lower the vehicle until the tire just touches the ground, preventing the wheel from spinning.
9. Using a torque wrench, tighten the lug nuts in a star pattern to the vehicle manufacturer's specified torque setting. Refer to your vehicle's owner's manual for the correct torque specifications.
10. Lower the vehicle completely and remove the jack stands.
11. **Important:** Re-torque all lug nuts after driving the first 50-100 miles. This ensures proper seating and prevents loosening.

## OPERATING AND USAGE

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Proper operation primarily involves ensuring the lug nuts remain securely fastened and regularly checking their torque.

- **Regular Inspection:** Periodically inspect lug nuts for any signs of damage, corrosion, or loosening.
- **Maintain Correct Torque:** Always ensure lug nuts are tightened to the vehicle manufacturer's recommended torque specifications. Under-tightening can lead to wheel wobble and detachment, while over-tightening can stretch studs, damage threads, or crack wheels.

## MAINTENANCE

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To prolong the life and appearance of your chrome lug nuts, follow these maintenance tips:

- **Cleaning:** Clean chrome lug nuts regularly with a mild automotive soap and water. Avoid abrasive cleaners or harsh chemicals that can damage the chrome finish.
- **Drying:** Thoroughly dry the lug nuts after washing to prevent water spots and corrosion.
- **Inspection:** During tire rotations or other wheel service, inspect the lug nuts for any signs of rust, pitting, or thread damage. Replace any damaged lug nuts immediately.

## TROUBLESHOOTING

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### Loose Lug Nuts:

If lug nuts repeatedly loosen after proper torque, inspect the wheel studs for damage, ensure the wheel seat is clean, and verify the lug nuts are the correct type for your wheels. Re-torque immediately and consult a professional if the issue persists.

### Stripped Threads:

Stripped threads on lug nuts or wheel studs usually result from improper installation (cross-threading) or over-tightening. If threads are stripped, the affected lug nut and/or wheel stud must be replaced immediately. Do not attempt to reuse stripped components.

### Corrosion/Pitting:

While chrome is durable, exposure to harsh road salts and chemicals can cause corrosion. Regular cleaning and drying can prevent this. If pitting occurs, the aesthetic appeal may be affected, but structural integrity should be checked. Replace if structural integrity is compromised.

## SPECIFICATIONS

Feature	Specification
Material	Through-Hardened Steel
Finish	Chrome Plated
Style	Bulge Acorn (Conical Seat)
Thread Sizes	1/2-20 & 7/16-20
Hex/Wrench Size	3/4" (19mm)
Overall Length	1.8 inches
Diameter	0.9 inches
Quantity per Package	20
Part Numbers	5301BT, 5303BT
Model Number	A86160-2BLNCBA1117

## WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your MNMSYH Chrome Bulge Acorn Lug Nuts, please contact the manufacturer directly through their official channels. Keep your purchase receipt for warranty claims.

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