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> Newparts Genuine OEM Front Wheel Bearing 44300TA0A62 Instruction Manual

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Model: 44300TA0A62 | Brand: Newparts

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Newparts Genuine OEM Front Wheel Bearing, model 44300TA0A62. This component is designed to meet original equipment manufacturer (OEM) specifications, ensuring reliable performance and fit for compatible vehicles. Please read this manual thoroughly before proceeding with installation or any related procedures.

2. SAFETY INFORMATION

Always prioritize safety when working on vehicle components. Failure to follow safety guidelines can result in serious injury or damage to the vehicle.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery if instructed by the vehicle manufacturer's service manual for specific procedures.
- Use only the correct tools for each task.
- Refer to the vehicle manufacturer's service manual for specific torque specifications and detailed removal/installation procedures for your particular vehicle model.
- If you are unsure about any step, consult a qualified automotive technician.

3. SETUP AND INSTALLATION

Proper installation is critical for the longevity and performance of the wheel bearing. It is highly recommended that installation be performed by a certified automotive technician.

3.1 Tools and Materials Required (Typical)

- Vehicle service manual

- Jack and jack stands
- Wheel lug wrench
- Socket set and wrenches
- Torque wrench
- Bearing press or specialized bearing tools (depending on vehicle design)
- Brake cleaner
- New cotter pins, seals, and retaining clips (as required by vehicle)
- High-temperature grease (if applicable, for compatible lubricant)

3.2 Pre-Installation Checks

1. Verify that the new wheel bearing (Newparts 44300TA0A62) matches the specifications and part number required for your vehicle.
2. Inspect the new bearing for any signs of damage during shipping. Do not install a damaged bearing.
3. Ensure all mating surfaces on the vehicle (knuckle, hub) are clean and free from rust, dirt, or debris.

3.3 Installation Procedure (General Steps)

The following steps are general guidelines. Always consult your vehicle's specific service manual for precise instructions.

1. Safely lift and support the vehicle. Remove the wheel.
2. Remove brake components (caliper, rotor) to access the hub and knuckle assembly.
3. Disconnect any sensors (e.g., ABS sensor) and remove the axle nut.
4. Remove the old wheel bearing assembly. This may require a bearing press or specialized tools depending on whether it's a pressed-in bearing or a hub assembly.
5. Clean the bearing housing thoroughly.
6. Install the new Newparts 44300TA0A62 wheel bearing. Ensure it is pressed in squarely and fully seated without damaging the bearing races or seals. If it's a hub assembly, install it onto the knuckle.
7. Reassemble all components in reverse order, paying close attention to torque specifications for all fasteners, especially the axle nut and caliper bolts.
8. Reconnect any sensors.
9. Install the wheel and lower the vehicle.
10. Perform a test drive to ensure proper function and check for any abnormal noises or vibrations.



Figure 1 : Newparts Genuine OEM Front Wheel Bearing 44300TA0A62. This image displays the metallic cylindrical bearing with a dark inner race, indicating its robust construction for automotive applications.

4. OPERATION

The Newparts 44300TA0A62 Front Wheel Bearing is a critical component that allows the wheel to rotate smoothly with minimal friction while supporting the vehicle's weight and handling lateral and axial loads. Once correctly installed, it operates continuously as part of the vehicle's suspension and drivetrain system. Proper installation ensures optimal performance and vehicle safety.

5. MAINTENANCE

Wheel bearings are generally sealed units designed for long service life and typically do not require routine maintenance such as re-greasing. However, periodic inspection is recommended.

- **Regular Inspection:** During tire rotations or brake service, inspect the wheel bearing for signs of wear, such as excessive play, leaks, or unusual noises.
- **Lubrication:** This bearing is designed to be pre-lubricated with grease from the factory. No additional lubrication is typically required unless specified by the vehicle manufacturer for specific conditions or if the seal is compromised.
- **Protection from Contaminants:** Ensure that the bearing seals remain intact to prevent the ingress of dirt, water, and other contaminants, which can significantly shorten bearing life.

6. TROUBLESHOOTING

If you experience any issues after installation or during the lifespan of the wheel bearing, consider the following common symptoms and potential causes:

Symptom	Potential Cause	Recommended Action
Humming, growling, or grinding noise that changes with vehicle speed or turning.	Worn or damaged bearing.	Inspect the bearing for play and noise. Replace if necessary.
Loose steering or excessive play in the wheel.	Excessive bearing play.	Check for proper torque on axle nut and bearing retention. Replace bearing if play persists.
Vibration felt through the steering wheel or floorboard.	Damaged bearing, uneven tire wear, or unbalanced wheels.	Inspect bearing, tires, and wheel balance. Address the root cause.
ABS light illuminated.	Damaged ABS sensor or tone ring (often integrated with the bearing).	Scan for ABS fault codes. Inspect sensor and tone ring for damage.

If troubleshooting steps do not resolve the issue, or if you are uncertain about the diagnosis, consult a professional automotive technician.

7. SPECIFICATIONS

The following specifications apply to the Newparts Genuine OEM Front Wheel Bearing, model 44300TA0A62:

- **Brand:** Newparts
- **Bearing Number:** 44300TA0A62
- **Specification Met:** OEM
- **Compatible Lubricant:** Grease
- **Manufacturer Part Number:** 2378014
- **OEM Part Numbers:** 44300-TA0-A51, 44300-TA0-A61, 44300TA0A62
- **Item Weight:** 2.4 pounds
- **Package Dimensions:** 5 x 5 x 5 inches
- **ASIN:** B0B74LKXVM

8. WARRANTY AND SUPPORT

Newparts products are manufactured to high-quality standards. For information regarding warranty coverage, claims, or technical support, please refer to the official Newparts website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the [Newparts store on Amazon](#) or contact your retailer.

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