Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Mevotech H513303

Mevotech Supreme Wheel Bearing and Hub Assembly Kit H513303

Instruction Manual

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Mevotech Supreme Wheel Bearing and Hub Assembly Kit H513303. This product is engineered for exact fit and reliable performance in automotive applications. Please read all instructions carefully before proceeding with installation or any related procedures.

2. Safety Information

Automotive repair can be hazardous. Always observe the following safety precautions:

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before working underneath it. Never rely solely on a jack.
- Disconnect the vehicle's battery before performing any electrical work.
- Use the correct tools for each task.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Keep children and pets away from the work area.

3. Package Contents

The Mevotech Supreme Wheel Bearing and Hub Assembly Kit H513303 typically includes:

- 1 x Wheel Bearing and Hub Assembly (Model H513303)
- Necessary installation hardware (e.g., bolts, nut, washer)



Image 3.1: The Mevotech Supreme Wheel Bearing and Hub Assembly H513303 shown with its accompanying installation hardware, including bolts, a nut, and a washer, ready for installation.

4. Product Overview and Features

The Mevotech Supreme Wheel Bearing and Hub Assembly H513303 is designed for enhanced durability and ease of installation. Key features include:

- **Increased Part Durability:** Features roll forming to secure internal components, ensuring a set preload from the factory.

This design enhances assembly stiffness, reduces vibration, and extends part life.

- **Pre-Filled with Premium Grease:** Contains a high-quality lubricant capable of withstanding extreme temperatures and pressures, resisting corrosion, and minimizing friction.
- **Premium Seal for Contaminant Protection:** A multi-point sealing system provides multiple layers of defense to prevent contaminants from entering and to retain vital grease.
- **Exact Fit:** Engineered to match original equipment specifications for smooth performance and trouble-free operation at the wheel end.
- **Rigorous Testing:** Undergoes extensive in-house and third-party durability testing to ensure optimal performance and strength.



Image 4.1: Front view of the Mevotech Supreme Wheel Bearing and Hub Assembly H513303, showcasing its robust construction and integrated bearing.

Image 4.2: A detailed diagram highlighting the internal and external features of the assembly, including the premium multi-lip seal, roll-form construction, pre-filled lubricating grease, abrasion-resistant cord guards, anti-corrosion coating, and included installation hardware.

5. Installation Instructions

Installation of a wheel bearing and hub assembly requires mechanical knowledge and specific tools. If you are not confident in your ability to perform this repair, it is recommended to seek assistance from a qualified automotive technician. Always consult your vehicle's specific service manual for detailed, vehicle-specific instructions and torque specifications.

General Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheel to be serviced.
2. **Lift and Secure:** Safely lift the vehicle using a jack and support it securely with jack stands. Remove the wheel.
3. **Access the Hub Assembly:** Remove the brake caliper and rotor. Depending on the vehicle, you may need to remove additional components such as the ABS sensor, dust cap, and cotter pin.
4. **Remove Old Assembly:** Disconnect any electrical connectors (e.g., ABS sensor). Remove the central axle nut and the bolts securing the hub assembly to the steering knuckle or suspension component. Carefully remove the old hub assembly.
5. **Clean Mounting Surface:** Thoroughly clean the mounting surface on the steering knuckle to ensure proper seating of the new assembly. Remove any rust or debris.
6. **Install New Assembly:** Position the new Mevotech H513303 hub assembly onto the steering knuckle. Install the mounting bolts and tighten them to the manufacturer's specified torque. Reconnect any electrical connectors.
7. **Install Axle Nut:** Install the new axle nut (if provided) and tighten it to the vehicle manufacturer's specified torque. If applicable, install a new cotter pin.
8. **Reassemble Brakes:** Reinstall the brake rotor and caliper. Ensure all brake components are properly seated and secured.
9. **Reinstall Wheel:** Mount the wheel, hand-tighten the lug nuts, and lower the vehicle. Torque the lug nuts to the vehicle manufacturer's specifications in a star pattern.



Image 5.1: Rear view of the Mevotech Supreme Wheel Bearing and Hub Assembly H513303, illustrating the mounting bolt holes and the splined center for the axle shaft.

6. Operating Information

After installation, perform the following checks:

- **Brake Pedal Test:** Pump the brake pedal several times to restore proper brake pressure before driving.
- **Test Drive:** Drive the vehicle slowly in a safe area to confirm proper brake function and listen for any unusual noises. Gradually increase speed and test steering response.
- **Check for Warning Lights:** Ensure no ABS or traction control warning lights are illuminated on the dashboard. If they are, recheck ABS sensor connections and consult a technician.

7. Maintenance

The Mevotech Supreme Wheel Bearing and Hub Assembly H513303 is a sealed unit designed for maintenance-free operation. No lubrication or adjustment is required after proper installation. However, regular inspection of your vehicle's suspension and braking components is recommended as part of routine vehicle maintenance. Check for:

- Unusual noises (grinding, humming, roaring) from the wheel area.
- Excessive wheel play when the vehicle is lifted.
- Uneven tire wear.

8. Troubleshooting

If you experience issues after installing the wheel bearing and hub assembly, consider the following:

Symptom	Possible Cause	Action
Humming, grinding, or roaring noise from wheel	Faulty wheel bearing, improper installation, or other worn suspension components.	Inspect the wheel bearing for play. Verify correct torque on all fasteners. Check other suspension components.
Vibration in steering wheel or vehicle	Improperly torqued lug nuts, unbalanced wheel, or damaged hub assembly.	Re-torque lug nuts. Check wheel balance. Inspect hub for damage.
ABS/Traction Control light illuminated	ABS sensor not connected, damaged, or faulty.	Ensure ABS sensor is securely connected. Inspect sensor and wiring for damage.

9. Specifications

Specification	Value
Model Number	H513303
Brand	Mevotech
Item Weight	5.6 pounds
Product Dimensions	9.99 x 9.99 x 9.99 inches
Exterior Finish	Machined

10. Warranty and Support

Mevotech products are backed by a manufacturer's warranty. For specific warranty details, claims, or technical support, please refer to the official Mevotech website or contact their customer service department directly. Keep your proof of purchase for warranty purposes.
For further assistance, visit the Mevotech Store on Amazon.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B01KHL55GA

More documents and user manuals: **https://manuals.plus/**