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> GREPSPUD Trailer Hub Kit Instruction Manual for 2000 lbs 1-inch BT8 Straight Axle Spindle (Model LSQC0047-2)

GREPSPUD LSQC0047-2

GREPSPUD Trailer Hub Kit Instruction Manual

Model: LSQC0047-2 for 2000 lbs 1-inch BT8 Straight Axle Spindle

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your GREPSPUD Trailer Hub Kit. Please read this manual thoroughly before installation and retain it for future reference. Correct installation and maintenance are crucial for the safety and longevity of your trailer hubs.

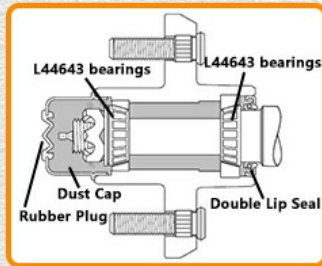
2. PRODUCT OVERVIEW

The GREPSPUD Trailer Hub Kit is designed for 2000 lbs trailers with 1-inch BT8 straight axle spindles. Each kit includes pre-lubricated bearings and seals for convenient installation.

2.1 Components Included (Per Kit)

- 2x 4x4" Hubs (2000lbs capacity)
- 4x L44643 Bearings (pre-assembled)
- 2x Grease Seals (pre-assembled)
- 2x Spindle Nuts
- 2x Metal Washers
- 2x Cotter Pins
- 2x Dust Caps
- 2x Rubber Plugs
- 10x Lug Nuts (1/2"-20 thread)

COMPLETE HARDWARE PARTS



1 BOX = 28 ITEMS

• All parts required for installation are included, easy to install and you don't have to go anywhere else to buy parts.

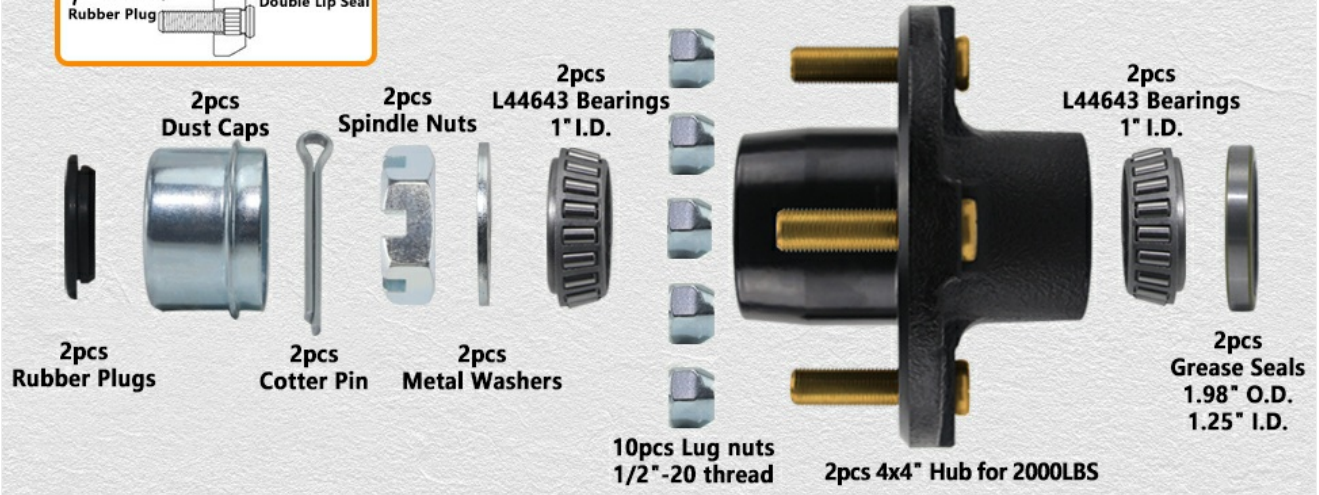


Image 1: Complete Hardware Parts Included in the Kit

2.2 Key Features

- **Pre-Lubricated:** Bearings and grease seals are pre-assembled and lubricated, allowing for direct installation.
- **Durable Construction:** Made from high-quality steel and rubber for heavy-duty use and long service life.
- **Corrosion Resistance:** Wheel hub surface features a black coating, and dust caps are zinc-plated for anti-corrosion and anti-rust properties.
- **High-Quality Bearings:** L44643 bearings offer high precision, low friction, and low noise operation.

PRE LUBRICATION

The bearings have been lubricated with grease.

After receiving the products, you can install and use them directly, without preparing additional grease.

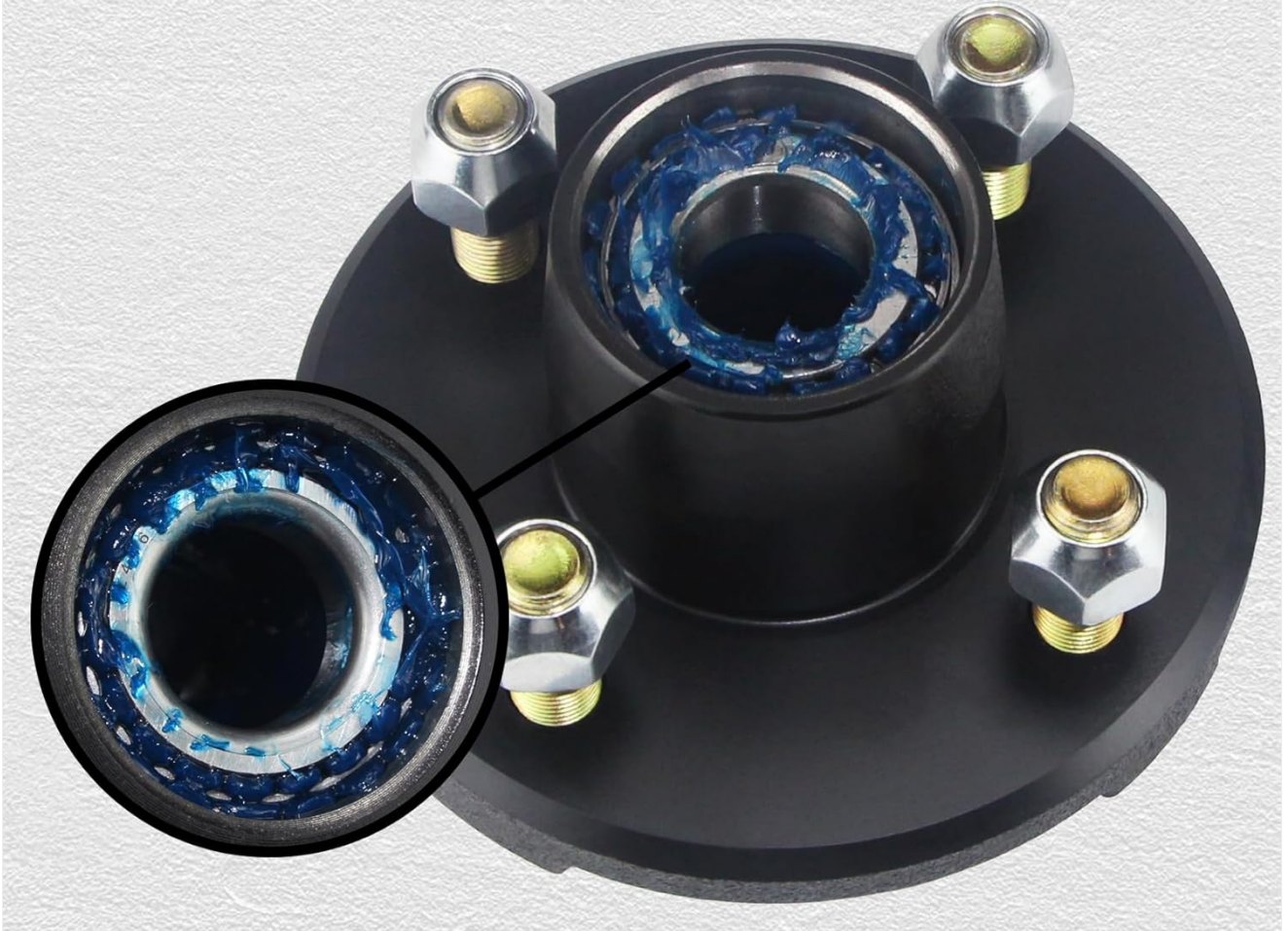


Image 2: Pre-Lubricated Bearings for Direct Installation

HEAVY DUTY HUB



Image 3: Heavy-Duty Hub Construction Details

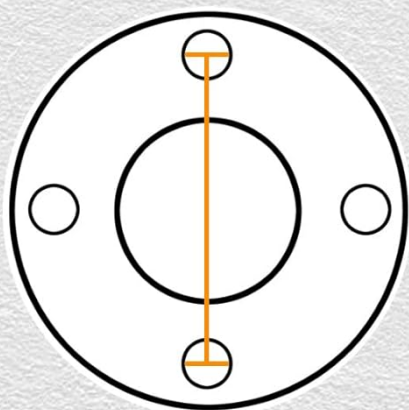
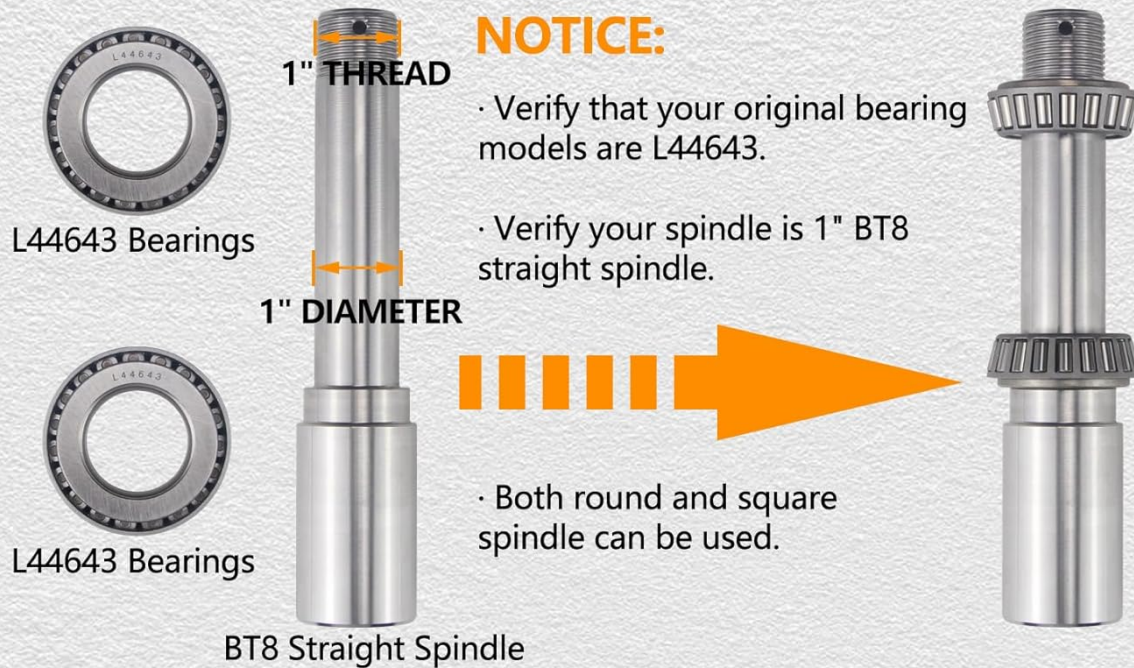
3. COMPATIBILITY AND SIZING

This trailer hub kit is specifically designed for 2000 lbs trailers equipped with 1-inch straight axles, utilizing BT8 spindles. It is compatible with L44643 outer and inner bearings. **This kit is not suitable for tapered spindles.**

3.1 Axle and Bearing Verification

- Verify that your original bearing models are L44643.
- Verify your spindle is a 1-inch BT8 straight spindle. Both round and square spindles can be used if they are 1-inch BT8 straight.

MEASURE HUB BOLT PATTERN



NOTICE:

4x4" Pattern means 4 bolts, and the length from the **CENTER** of a bolt hole **TO** the **CENTER** of another hole is 4".

Image 4: Spindle and Bearing Compatibility Check

3.2 Bolt Pattern Measurement

The kit features a 4x4" bolt pattern. This means there are 4 bolts, and the length from the center of one bolt hole to the center of the opposite bolt hole is 4 inches. It is critical to measure your existing bolt pattern to ensure compatibility before installation.

PRODUCT SIZE

4x4" Pattern: there are 4 bolts, the length from the CENTER of a bolt hole TO the CENTER of another hole is 4".



Image 5: Product Size and Bolt Pattern Measurement Guide

4. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Ensure the trailer is securely supported on jack stands before beginning any work. Never rely solely on a jack.
- Disconnect the trailer from the towing vehicle before working on the hubs.
- If you are unsure about any step of the installation process, consult a qualified mechanic.
- Keep all components clean and free from dirt or debris during installation to prevent contamination of bearings.

5. SETUP AND INSTALLATION

This kit is designed for straightforward installation as the bearings and seals are pre-assembled and lubricated. However, careful attention to detail is required.

5.1 Required Tools

- Jack and Jack Stands
- Lug Wrench
- Pliers (for cotter pin removal/installation)
- Hammer or Rubber Mallet
- Wood Block (for dust cap installation)
- Torque Wrench (recommended for lug nuts)

5.2 Installation Steps

1. **Prepare the Trailer:** Park the trailer on a level surface, engage the parking brake, and block the wheels that will remain on the ground. Jack up the trailer axle until the wheel is off the ground and secure it with jack stands.
2. **Remove Old Hub:** Remove the lug nuts and wheel. Carefully remove the dust cap, cotter pin, spindle nut, and washer. Slide the old hub off the spindle.
3. **Inspect Spindle:** Clean the axle spindle thoroughly and inspect it for any damage or wear. Ensure it is a 1-inch BT8 straight spindle.
4. **Install New Hub:** The new hub comes with pre-assembled and pre-lubricated bearings and grease seals. Carefully slide the new hub onto the clean spindle.
5. **Secure Hub:** Place the metal washer onto the spindle, followed by the spindle nut. Tighten the spindle nut until the hub is snug, then back off slightly to allow for proper bearing play. Insert a new cotter pin through the spindle nut and spindle hole, bending the ends to secure it.
6. **Install Dust Cap:** The axle dust cap is designed to be slightly larger for a firm fit. Place the dust cap over the hub opening. Use a wood block and a hammer or rubber mallet to gently tap the dust cap into place, preventing dents.
7. **Reinstall Wheel:** Mount the wheel onto the hub and secure it with the provided lug nuts. Tighten lug nuts in a star pattern to the manufacturer's recommended torque specifications.
8. **Final Check:** Lower the trailer and remove the jack stands. Check for proper wheel rotation and ensure there is no excessive play or binding. Repeat the process for the other side if replacing both hubs.

6. MAINTENANCE

Regular maintenance is essential for the safe and reliable operation of your trailer hubs.

- **Periodic Inspection:** Before each trip, visually inspect the hubs for any signs of damage, leaks, or excessive wear. Check for any unusual noises or wobbling during operation.
- **Bearing Re-greasing:** Although the bearings are pre-lubricated, it is recommended to inspect and re-grease them annually or every 12,000 miles, whichever comes first, especially if the trailer is frequently submerged in water (e.g., boat trailers). Use a high-quality marine-grade grease.
- **Dust Cap Integrity:** Ensure dust caps are securely in place to prevent dirt and moisture from entering the bearings. Replace any damaged or missing caps.
- **Lug Nut Torque:** Re-check lug nut torque after the first 50-100 miles of towing and periodically thereafter to ensure they remain properly tightened.

7. TROUBLESHOOTING

- **Wheel Wobble or Noise:** This could indicate loose lug nuts, improper bearing adjustment, or worn bearings. Re-check lug nut torque, bearing play, and inspect bearings for wear.
- **Hub Overheating:** Excessive heat can be caused by over-tightened bearings, insufficient lubrication, or worn bearings. Ensure proper bearing adjustment and adequate grease.
- **Difficulty Installing Dust Cap:** The dust cap is designed for a tight fit. Use a wood block and a hammer or rubber mallet to tap it into place evenly. Avoid direct hammering on the cap to prevent damage.

- **Spindle Nut Fit:** If the provided spindle nut does not fit your spindle thread, ensure your spindle is indeed a 1-inch BT8 straight spindle. In rare cases, you may need to reuse your original spindle nut if it is compatible and in good condition.

8. SPECIFICATIONS

Feature	Specification
Product Model	LSQC0047-2
Brand	GREPSPUD
Trailer Capacity	2000 lbs
Axle Type Compatibility	1-inch BT8 Straight Axle Spindle (not for tapered)
Bearing Model	L44643 (inner and outer)
Bolt Pattern	4 on 4" (4 bolts, 4-inch center-to-center opposite)
Lug Nut Thread	1/2"-20
Item Weight (per kit)	Approximately 12.62 pounds
Package Dimensions	11.42 x 6.18 x 5.39 inches

9. WARRANTY AND SUPPORT

For specific warranty information regarding your GREPSPUD Trailer Hub Kit, please refer to the product packaging or contact the seller directly. Keep your proof of purchase for any warranty claims.

For technical support or inquiries, please reach out to GREPSPUD customer service through the retailer's platform or the official brand website.