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› WARN 29071 Standard Manual Locking Hubs User Manual

WARN 29071

WARN 29071 Standard Manual Locking Hubs

USER MANUAL

Product Overview

The WARN 29071 Standard Manual Locking Hubs are engineered for direct replacement of factory hubs, providing dependable 4-wheel drive engagement. These hubs are constructed with a robust 4140 steel clutch ring and inner drive gear, housed within a precision cast hub body, ensuring long-lasting performance in various conditions.

Key features include:

- Designed for OEM hub replacement
- Lifetime limited warranty
- Precision cast hub body
- 4140 steel clutch ring and inner drive gear
- For use with 23 spline axles

Product Visuals



Image: A pair of WARN 29071 Standard Manual Locking Hubs. Each hub features a central dial with the WARN logo, and indicators for 'LOCK' and 'FREE' positions, set within a durable, grey-finished body with bolt holes for mounting.

Setup and Installation

Installation of the WARN 29071 hubs requires careful attention to detail and specific tools. It is recommended that installation be performed by a qualified mechanic if you are not experienced with automotive repairs.

Important Considerations:

- For '90-97 models replacing factory automatic hubs with manual hubs, the [WARN 32720 Spindle Nut Conversion Kit](#) is also required.
- A 2-3/8 inch wheel retainer nut socket is necessary for proper installation and servicing.

General Installation Steps (Consult vehicle-specific service manual for detailed instructions):

1. Safely lift and support the vehicle, then remove the wheels.
2. Remove the existing hub assembly. This may involve removing dust caps, snap rings, and spindle nuts.
3. Clean the spindle and surrounding area thoroughly.
4. Install the new WARN 29071 hubs, ensuring all components are correctly seated and torqued to manufacturer specifications.
5. Reassemble the wheel and lower the vehicle.

Operating Instructions

The WARN 29071 Standard Manual Locking Hubs provide positive engagement for your vehicle's 4-wheel drive system.

To operate:

- **To Engage (LOCK):** Rotate the dial on the hub to the 'LOCK' position. The dial requires approximately 9/10ths of a turn to ensure full engagement of the inner drive gear to the clutch ring. Ensure both hubs are in the 'LOCK' position for 4-wheel drive operation.
- **To Disengage (FREE):** Rotate the dial on the hub to the 'FREE' position. This disengages the front axles from the wheels, reducing wear on front driveline components and improving fuel efficiency when 4-wheel drive is not needed.

Important: Always engage the hubs before entering conditions where 4-wheel drive may be needed. Attempting to engage or disengage while the wheels are spinning or under heavy load can cause damage.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your WARN 29071 hubs.

- **Lubrication:** Periodically inspect and lubricate the internal components as per your vehicle's service manual or WARN's recommendations to ensure smooth operation and prevent wear.
- **Cleaning:** Keep the exterior of the hubs clean from dirt, mud, and debris.
- **Inspection:** Regularly check for any signs of damage, loose components, or unusual noises.
- **Avoid Pliers:** Do not use pliers or excessive force on the dial, as this can damage the mechanism.

Troubleshooting

If you encounter issues with your WARN 29071 hubs, consider the following:

- **Difficulty Engaging/Disengaging:** Ensure the vehicle is stationary and not under load. Sometimes, slight forward or backward movement of the vehicle (a few inches) can help align the splines for easier engagement or disengagement. If the issue persists, check for proper lubrication or internal damage.
- **Grinding Noises:** Grinding noises during 4-wheel drive operation may indicate improper engagement, worn components, or issues with the vehicle's driveline. Ensure the hubs are fully locked. If replacing automatic hubs, ensure all necessary conversion kit components are installed correctly.
- **Hubs Not Locking:** Verify that the dial is turned fully to the 'LOCK' position. Inspect for any obstructions or internal damage preventing full engagement.
- **Required Tools:** Ensure you have the correct tools, particularly the 2-3/8 inch spindle nut socket, for any installation or maintenance tasks. Incorrect tools can cause damage.

For persistent issues, consult a professional mechanic or contact WARN customer support.

Specifications

Attribute	Detail
Model Name	WARN 29071 Standard Manual Locking Hub with 27 Splines, 1 Pair
Part Number	29071
Spline Count	23 Splines (for use with)
Material	4140 Steel (clutch ring, inner drive gear), Precision Cast Hub Body
Item Weight	5 Pounds

Attribute	Detail
Item Dimensions (LxWxH)	13 x 7 x 4.5 inches
Package Weight	2268 Grams

Warranty Information

The WARN 29071 Standard Manual Locking Hubs are backed by a**Lifetime Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For full details regarding warranty coverage, terms, and conditions, please refer to the official WARN warranty documentation or contact WARN customer support.

Customer Support

For technical assistance, installation questions, or warranty claims, please contact WARN Industries customer support. Visit the official WARN website for contact information and additional resources.

You can also visit the [WARN Store on Amazon](#) for more product information.

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