DEXTER AXLE 005-101-00

DEXTER AXLE Tang Washer for E-Z Lube (prior to 2002) #005-101-00 Instruction Manual

1. Introduction and Overview

This manual provides instructions for the proper installation and maintenance of the**DEXTER AXLE Tang Washer**, model **#005-101-00**. This component is specifically designed for use with DEXTER E-Z Lube axles manufactured prior to 2002. It is a critical part of the axle assembly, ensuring proper retention and function of the spindle nut and wheel hub.

2. Setup and Installation

The Tang Washer is installed as part of the spindle nut and bearing assembly on DEXTER E-Z Lube axles. It is designed to prevent the spindle nut from backing off, providing a secure fit for the wheel hub. Ensure the axle is a pre-2002 E-Z Lube model for compatibility.

Installation Steps:

1. Ensure the axle spindle and hub components are clean and free from debris.
2. Install the inner bearing, seal, and hub onto the spindle according to DEXTER AXLE's service manual.
3. Place the outer bearing onto the spindle.
4. Slide the Tang Washer onto the spindle, ensuring the tang aligns with the keyway on the spindle.
5. Thread the spindle nut onto the spindle, over the Tang Washer. Tighten the spindle nut to the manufacturer's specified torque, typically while rotating the hub to seat the bearings. Then, back off the nut slightly and re-tighten to a lower torque value to allow for proper bearing play.
6. Bend one of the tangs of the washer into a slot on the spindle nut to lock it in place, preventing loosening during operation.



This image displays the DEXTER AXLE Tang Washer. The washer features a flat, circular base with two raised tangs designed to engage with a keyway on the axle spindle and a slot on the spindle nut, securing the assembly.

3. Operating Instructions

Once correctly installed, the DEXTER AXLE Tang Washer operates passively by maintaining the secure position of the spindle nut. This prevents the wheel hub from becoming loose during vehicle operation, contributing to overall safety and component longevity. No active operation is required from the user after proper installation.

4. Maintenance

During routine maintenance, such as bearing inspection or replacement, the Tang Washer should be carefully inspected for any signs of wear, deformation, or corrosion. If the washer appears damaged, bent beyond its intended locking function, or shows significant wear, it must be replaced with a new DEXTER AXLE Tang Washer #005-101-00 to ensure proper axle assembly integrity.

5. Troubleshooting

If the spindle nut repeatedly loosens after installation, inspect the Tang Washer for proper engagement with the spindle keyway and the spindle nut slot. A damaged or improperly installed Tang Washer will not effectively secure the nut. Ensure the correct torque specifications are followed during installation and that the tang is properly bent into the nut slot. If the washer is compromised, replace it immediately.

6. Specifications

Specification	Detail
Model Number	#005-101-00 (Manufacturer Part Number: ST-005-101-00)
Brand	DEXTER AXLE
Compatibility	DEXTER E-Z Lube Axles (manufactured prior to 2002)
Washer Type	Conical Spring
Metal Type	Stainless Steel
Number of Pieces	1

7. Warranty Information

Warranty information for the DEXTER AXLE Tang Washer #005-101-00 is not provided in this manual. Please refer to the original purchase documentation or contact DEXTER AXLE directly for warranty details.

8. Support

For technical assistance or further inquiries regarding the DEXTER AXLE Tang Washer #005-101-00, please contact DEXTER AXLE customer support through their official website or authorized distributors.