

AXLES AND SUSPENSION

Purpose

This document outlines the procedures to install a zerk fitting to grease the bushings on the Independent Suspension system in order to reduce squeaking during travel.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This document provides general instructions. Many variables can change the circumstances of any procedure, i.e. the degree of difficulty involved in the service operation and the ability level of the individual performing the operation. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the necessary operation. Failure to correctly install, remove or service the system may result in voiding the warranty, inflicting injury or even death.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Lift the trailer by the chassis. Do not go under the trailer unless it is properly supported. Unsupported trailers can fall and may result in death, serious injury or property damage.

WARNING

Trailer MUST be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death or serious personal injury.

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Resources Required

- Floor jacks (Optional)
- Jack stands (Optional)
- Cordless or electric drill or screwdriver
- 15/64" or Letter A drill bit
- Center punch
- 5/16" open end wrench or deep well socket and ratchet
- Zerk fittings PN 122255
- Grease gun
- Axle bearing grease listed on Engineering Specification ES-002. See below.
Grease should have following mark on the container:



Zerk PN [122255](#)

The approved manufacturers of bearing grease and the approved grease products are:

76 Lubricants Co.: 76 Multiplex EP, 76 Multiplex RED

Citgo Petroleum Corp.: Lithoplex MP #2, Lithoplex CM #2

Exxon Company USA: Ronex, MP

Kendall Motor Oil (Div. of Witco Corp.): Kendall Super Blue L427 Grease

Mobil Oil Co.: Mobil Grease HP, Mobilith AW2, Mobil 1 Synthetic Grease

Mystik Oil Co. Inc.: Mystik JT-6 Hi-Temp Grease; Red Lithium Complex EP No. 2, Mystik SX-6 Synthetic Blend Extreme Range, Low Temp Blue Lithium Comp.

Oil Center Research of Oklahoma: Liquid-O-Ring No. 167L

Pennzoil-Quaker State Co.: Synthetic Red Grease, Premium Wheel Bearing Grease 707L

Shell: ALBIDA LC2, ALBIDA Grease SLC 220, ALBIDA Grease SLC 460

Royal Mfg.: Royal 987 Multi-Lube EP #2 Lithium Complex

Chevron Texaco: Chevron Ulti-Plex Grease EP NLGI2, Texaco Starplex Moly MPGM2

Chem Arrow Corp.: Arrow 78981-1

Valvoline (Div. of Ashland Inc.): Valvoline Multi-Purpose GM

Great Plans Lubricants: Lithium Complex EP Grease NLGI 2

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Procedures

NOTE: It is not necessary to jack up the trailer so the Independent Suspension module is off the ground prior to installing zerks. However, installers may opt to do so if this practice is more comfortable.

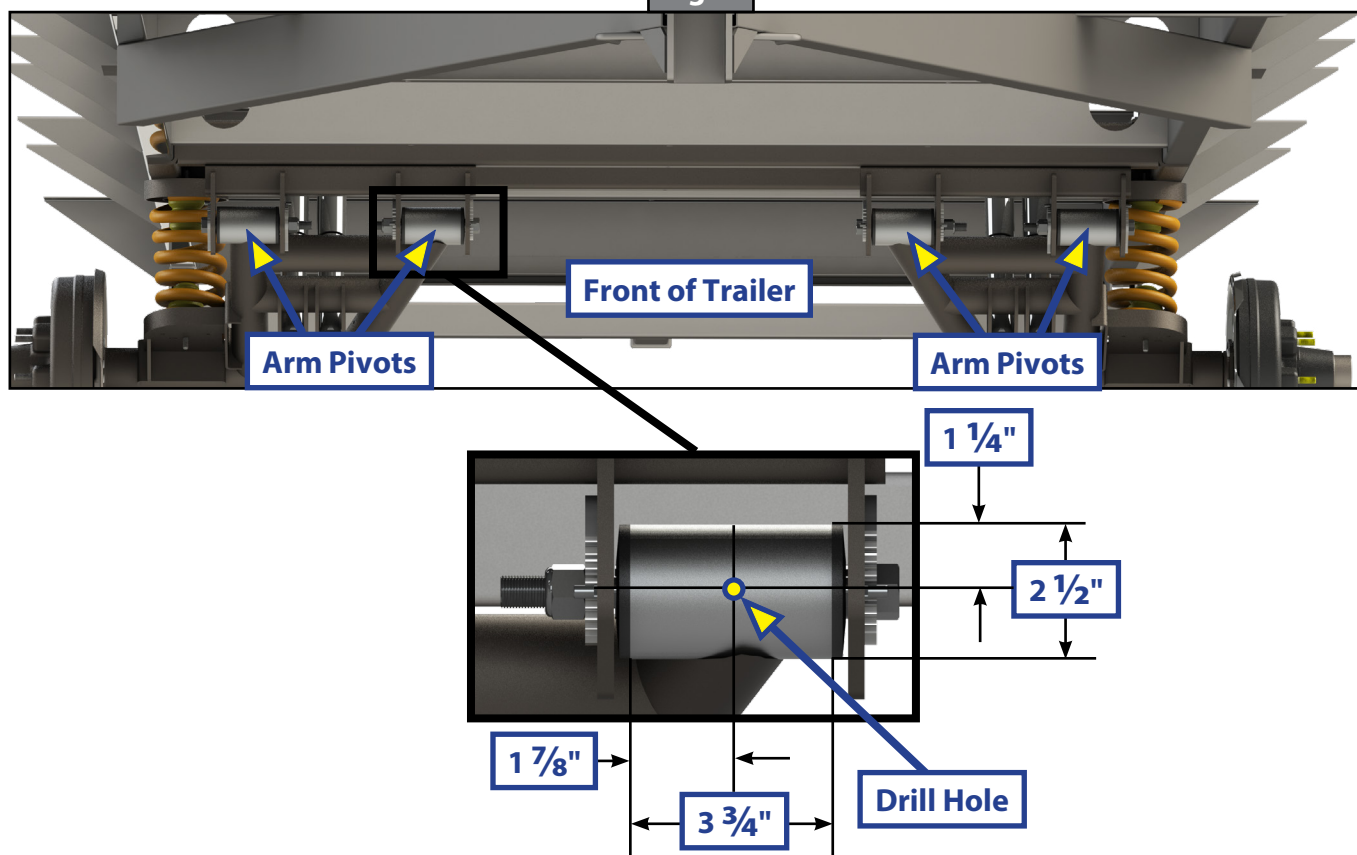
1. Use a center punch to start a hole in the arm pivot tube.

NOTE: The hole should be oriented toward the front of the trailer and located in the center of the pivot tube (Fig. 1).

2. Using a Letter A or 15/64" bit, drill a hole through the material to the center of the pivot tube. Stop drilling when reaching the tube's cavity.
3. Install threaded zerk fitting into hole.
4. Using an open end wrench or deep well socket and ratchet, tighten the 5/16" hex nut zerk fitting until the zerk is flush with the pivot tube.
5. Repeat steps 1-4 for all four arm pivot tubes on the suspension system (Fig. 1).
6. With a grease gun, pump a generous amount of grease through each of the zerks.
7. If necessary, lower trailer to the ground.

NOTE: The squeaking may not be eliminated immediately. Allow time for the grease to work as the trailer is moved and the grease lubricates the metal pivot sleeve.

Fig. 1



As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at 432-LIPPERT (432-547-7378) or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lippert.com or by downloading the LippertNOW app.



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Follow proper safety practices. If in doubt, consult a professional RV technician.