



# SUPERLIFT®

## S U S P E N S I O N

### Superlift® Replacement Bushing Kit for Dodge Ram 3/4-ton and 1-ton 4WD INSTALLATION INSTRUCTIONS

#### INTRODUCTION

Installation requires a professional mechanic. Prior to beginning, inspect the vehicles steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, anti-sway bars and bushings, tie rod ends, pitman arm, ball joints and wheel bearings. Also check the steering sector-to-frame and all suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition; repair or replace all worn parts.

**Read instructions several times before starting. Be sure you have all needed parts and know where they install. Read each step completely as you go.**

#### NOTES:

- ① On models equipped with a gas engine, exhaust modifications may be required for front driveshaft clearance. If necessary, the vehicle can be driven a short distance to have the exhaust work performed once the installation is complete.
- ① An arrow on diagrams indicates which direction is toward the front of the vehicle.
- ① A foot-pound torque reading is given in parenthesis ( ) after each appropriate fastener.
- ① Paint or undercoat all exposed metal surfaces.
- ① Prior to attaching components, be sure all mating surfaces are free of grit, grease, excessive undercoating, etc.
- ① A factory service manual should be on hand for reference.
- ① Use the check-off box "☐" found at each step to help you keep your place. Two "☐☐" denotes that one check-off box is for the driver side and one is for the passenger side. Unless otherwise noted, always start with the driver side.

**Parts included in this kit are 16 bushing halves and 8 sleeves.**

**NOTE:** Save all factory components and hardware for reuse, unless noted.

**1) ☐☐ MARKING ECCENTRIC CAM BOLT LOCATION...** The lower trailing links (one on each side) are secured to the axle via eccentric cam bolts. Rotating these bolts changes front axle alignment. It is important that the eccentrics be installed in exactly the same position as they were removed to serve as a baseline for final alignment. Scribe a line on each eccentric, and the flanges they contact, for reference during reassembly.

**2) UPPER AND LOWER LINK ARMS...** Perform this step one side at a time.

**IMPORTANT:** Lubricate, with a lithium grease, only the bushing area where the sleeve makes contact and the side of the bushings, do not lubricate the area of the bushings that contact the link eye.

Insert the bushing halves and sleeves into the upper and lower link arms. Note that the 2-1/2" long sleeves install in the lower links, while the 2-1/4" long sleeves install in the upper links.

When the eccentric cam bolts are reinstalled in the lower link arms (at axle end), be sure to align the marks made previously. Snug-up, but do not tighten bolts at this time.

**3) HARDWARE TIGHTENING SEQUENCE...**

Axle-to-frame link arms / upper, both ends (120).

Axle-to-frame link arms / lower, both ends (160).

**NOTE:** Position the lower link-to-axle cam bolts in exactly the same position they were removed (reference step 10), then caster and camber are close enough to specifications to drive the vehicle safely and slowly to an alignment facility.

### **Limited Lifetime Warranty / Warnings**

Your Superlift® product is covered by the Limited Warranty explained below that gives you specific legal rights. This limited warranty is the only warranty Superlift® makes in connection with your product purchase. Superlift® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or limited warranty.

**What is covered?** Subject to the terms below, Superlift® will repair or replace its products found defective in materials or workmanship for so long as the original purchaser owns the vehicle on which the product was originally installed. Your warrantor is LKI Enterprises, Inc. d/b/a Superlift® Suspension Systems ("Superlift®").

**What is not covered.** Your Superlift® Limited Warranty does not cover products, parts or vehicles Superlift® determines to have been damaged by or subjected to:

- Alteration, modification or failure to maintain.
- Normal wear and tear (bushings, tie-rod ends, etc.). Scratches or defects in product finishes (powdercoating, plating, etc.),
- Damage to or resulting from vehicle's electronic stability system, related components or other vehicle systems.
- Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.
- Theft, vandalism or other intentional damage.

**Remedy Limited to Repair / Replacement.** The exclusive remedy provided hereunder shall, upon Superlift's inspection and at Superlift's option, be either repair or replacement of product or parts covered under this Limited Warranty. Customers requesting warranty consideration should contact Superlift® by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, shipping and installation costs are customer's responsibility.

If a replacement part is needed before the Superlift® part in question can be returned, you must first purchase the replacement part. Then, if the part in question is deemed warrantable, you will be credited / refunded.

**Other Limitations - Exclusion of Damages - Your Rights Under State Law**

- Neither Superlift® nor your independent Superlift® dealer are responsible for any time loss, rental costs, or for any incidental, consequential or other damages you may have.
- This Limited Warranty gives you specific rights. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of our Limited Lifetime Warranty as described above. Some states do not allow limitations of how long an implied warranty lasts and / or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you.

**Important Product Use and Safety Information / Warnings**

As a general rule, the taller a vehicle is, the easier it will roll over. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go “wide” as you go “tall”. Many sportsmen remove their mud tires after hunting season and install ones more appropriate for street driving; always use as wide a tire and wheel combination as feasible to enhance vehicle stability. We strongly recommend, because of rollover possibility, that the vehicle be equipped with a functional roll bar and cage system. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capabilities are decreased when significantly larger / heavier tires and wheels are used. Take this into consideration while driving. Also, changing axle gear ratios or using tires that are taller or shorter than factory height will cause an erroneous speedometer reading. On vehicles equipped with an electronic speedometer, the speed signal impacts other important functions as well. Speedometer recalibration for both mechanical and electronic types is highly recommended.

Do not add, alter, or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the Superlift® product purchased. Mixing component brands is not recommended.

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