



# SUPERLIFT®

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

### Superlift Replacement Extended Length Rubber and Bulletproof Brake Hoses 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:

- Any work pertaining to your vehicle's brake system must be performed by a technician certified on your particular vehicle.
- Prior to installation, carefully compare the new hose to the original since the vehicle manufacturer may have made model / design changes without our knowledge.
- A foot-pound torque reading is given in parenthesis ( ) after each appropriate fastener.
- Do not fabricate any components to gain additional suspension height.
- Prior to attaching components, be sure all mating surfaces are free of grit, grease, undercoating, etc.
- Have a factory service manual on hand to reference procedures and specifications that are unique to this vehicle.
- 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.

#### GENERAL INSTALLATION INSTRUCTIONS

**WARNING:** Brake fluid contains Polyglycol Ethers and Polyglycols. Avoid contact with eyes, and wash hands thoroughly after handling. If brake fluid contacts eyes, flush eyes with water for fifteen minutes. Get medical attention if irritation persists. If taken internally, induce vomiting and get medical attention immediately.

- 1) Inspect the brake system and repair / replace components as necessary.
- 2) Remove the stock hoses. On disc brake applications be sure that the stock crush washers are removed. New washers are furnished.

- 3) Thoroughly clean and inspect all mating surfaces.
- 4) Install the new Superlift hoses. They should be identical to the factory pieces except for length. Route the new hoses in the same manner, and use the stock attaching hardware (except for the furnished new disc brake crush washers).
- 5) With the suspension supporting vehicle weight, and the tires / wheels installed, cycle the steering lock-to-lock and check for adequate hose length and clearance. Now raise the vehicle and check length / clearance with the suspension "hanging" at full extension travel.

**NOTE:** On some disc brake applications, it may be necessary to slightly bend the hoses' metal inner tube, where it comes off of the caliper block, in order to gain clearance. Likewise, a slight amount of "tweaking" may be needed at the hoses' upper mounting tab as well.

**NOTE:** The need to "fine tune" hose routing primarily depends on tire size and wheel offset.

**WARNING: It is critical that the hoses do not make contact with any other component(s) at anytime during turning, and during the suspension's entire compression / extension travel cycles, or chafing will occur. Chafing will ultimately lead to hose failure which, in turn, can lead to loss of vehicle control.**

- 6) Bleed air from the system as instructed by the factory service manual. Avoid getting brake fluid on painted surfaces.

#### **IMPORTANT PRODUCT USE INFORMATION**

As a general rule, the taller a vehicle is, the easier it will roll over. Offset, as much as possible, what is lost in roll over resistance by increasing tire track width. In other words, go "wide" as you go "tall". Many sportsmen remove their mud tires after winter / hunting season and install ones more appropriate for street driving; always use as wide a tire and wheel combination as possible to enhance vehicle stability.

We strongly recommend, because of roll over 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 performances and capabilities are decreased when significantly larger / heavier tires and wheels are used. Take this into consideration while driving.

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.

Most states have some type of law limiting vehicle height. The amount of lift allowed, and how the lift may be achieved, varies greatly. Several states offer exemptions for farm or commercially registered vehicles. It is the owner's responsibility to check state and local laws to ensure that their vehicle will be in compliance.

Superlift makes no claims regarding lifting devices and excludes any and all implied claims. Superlift will not be responsible for any altered product or any improper installation or use of our products.

We will be happy to answer any questions concerning the design, function, and correct use of our products.

**IMPORTANT MAINTENANCE INFORMATION**

It is the ultimate buyer's responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, along with wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

**NOTICE TO DEALER AND VEHICLE OWNER**

Any vehicle equipped with a Superlift lifting device must have the enclosed "Warning to Driver" decal installed on the inside of the windshield or on the vehicle's dash, within driver's view. The "Warning to Driver" decal is to act as a constant safety reminder for whoever may be operating the vehicle. The WARRANTY IS VOID unless this decal is in place. **INSTALLING DEALER...** It is your responsibility to install warning decal and forward these installation instructions to the vehicle owner for review of warnings, product use and maintenance information. Replacement warning decals are available free upon request. These instructions are to be kept with the vehicle registration papers and owners manual for the service life of the vehicle.

**SUPERLIFT LIMITED LIFETIME WARRANTY**

Suspension products bearing the Superlift (LKI Ent.) name are warranted for as long as the original purchaser owns the vehicle that the LKI product was originally installed on. This warranty is non-transferable. Warranty covers only the product, no labor, time loss, or freight incurred. Any product that has been abused, altered, incorrectly installed, or used in competition is not covered. Product finish, spring bushings, Polyurethane products, and normal wear is not covered. The LKI product is subject to replacement or repair. No other warranties are expressed or implied. An authorized Superlift dealer must inspect the part in question and confirm that the "Warning to Driver" decal is properly displayed. A copy of the sales invoice is required for warranty consideration.