



SUPERLIFT SUSPENSION SYSTEMS
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Superlift eXtreme Ring
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:

- A foot-pound torque reading is given in parenthesis () after each appropriate fastener.
Paint or undercoat all exposed metal surfaces.
Prior to attaching components, be sure all mating surfaces are free of grit, grease, undercoating, etc.
A factory service manual should be on hand for reference.
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 LIST ... The part number is stamped into each part or printed on an adhesive label. Identify each part and place the appropriate mounting hardware with it.

Table with 3 columns: PART NO, DESCRIPTION, NEW ATTACHING HARDWARE. Row 1: (1) eXtreme Ring.....(1) hardware pack

INSTALLATION PROCEDURE

- 1) PREPARE VEHICLE...
Place vehicle on level ground and put the transmission in Park or Low gear. Set the parking brake and chock the front tires.
Place a catch pan under the differential cover in preparation for any accidental fluid spills.
Check the condition of the differential cover; if it has been deformed or partially peeled away from the axlehousing as a result of off-road use, the eXtreme Ring will not fit properly. Either re-form the cover back to its proper shape or obtain a replacement cover before continuing.

- Test fit the supplied eXtreme Ring on the appropriate differential cover; the mounting holes should line up with all of the bolts. If they do not, there is a problem with the application. Contact Superlift before proceeding.

NOTE: Check the maintenance schedule for the vehicle before continuing. If it is time to change the differential fluid, now is an excellent time to do so. If for any reason the differential cover is removed, follow the procedure in the factory service manual for re-sealing and refilling the differential. Always use the fluid specified by the factory service manual or differential manufacturer and note that certain limited-slip differentials require special additives.

- On front axle applications, check to be sure there is enough room between the tie rod and differential cover to slide the eXtreme Ring in place. If there is not adequate clearance, it will be necessary to unbolt one end of the tie rod. Remove the cotter pin (if applicable) from the tie rod end, followed by the castellated nut. Use an appropriate puller tool to separate the tie rod end from the knuckle. Save the nut for re-use.

2) EXTREME RING INSTALLATION...

- Loosen and remove the bolts holding the differential cover in place, but leave one bolt near the top of the cover in place. Note that on some differential housings one or more of the lower bolt holes may be drilled all the way through to the fluid reservoir, resulting in fluid loss once a lower bolt is removed. If this is the case, leave the necessary bolt(s) in place to minimize fluid loss until you are ready to install the eXtreme Ring
- Support the differential cover with one hand and then remove the remaining bolt.

NOTE: Virtually all differential covers are “glued” in place with silicone sealant and therefore should not leak even after all the bolts are removed. If the cover starts to seep, we recommend removing and resealing the cover following the procedure found in the factory service manual. If it leaks around the seal surface after the bolts are removed and the cover is not re-sealed, it is likely that the cover will continue leaking after the installation is complete.

- Line up the mounting holes of the eXtreme Ring with the holes in the differential cover and attach using the supplied bolts and lock washers. On those applications where the lower bolt hole(s) began leaking when the bolts were removed, dab the ends of the new bolts with silicone sealant prior to installing them. Torque the bolts according to the following specifications:
 - 5/16” bolts (14)
 - 3/8” bolts (23)
 - 8mm bolts (12)

3) FINAL PROCEDURES...

- Check the entire seal area for signs of any leaks.
- Check the fluid level of the differential and top off as necessary using the fluid specified by the factory service manual.

- If it was necessary to unbolt one end of the tie rod, re-attach it now and tighten it to the specifications found in the factory service manual. Install a new cotter pin if applicable.
- On all front axle installations, cycle the steering lock to lock and check for adequate clearance between the EXtreme Ring and the tie rod, steering stabilizers, etc.
- Re-torque the EXtreme Ring bolts after the first 100 miles and re-check at every oil change thereafter.

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.