



SUPERLIFT®

S U S P E N S I O N

Superlift® Replacement Extended Length Bulletproof Brake Hoses for 2008 and Newer Ford Super Duty Equipped with 2” or 4” Lift System 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.

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.

PART NO	DESCRIPTION <small>(Qty. - if more than one)</small>	NEW ATTACHING HARDWARE <small>(Qty.)</small>
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01-91540 brake hose, driver side (1) hardware pack

02-91540 brake hose, passenger side (1) hardware pack

INSTALLATION PROCEDURE

1) PREPARE VEHICLE...

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.

- Inspect the brake system and repair / replace components as necessary.
- During the entire procedure, thoroughly clean and inspect all mating surfaces.

2) DISASSEMBLY...

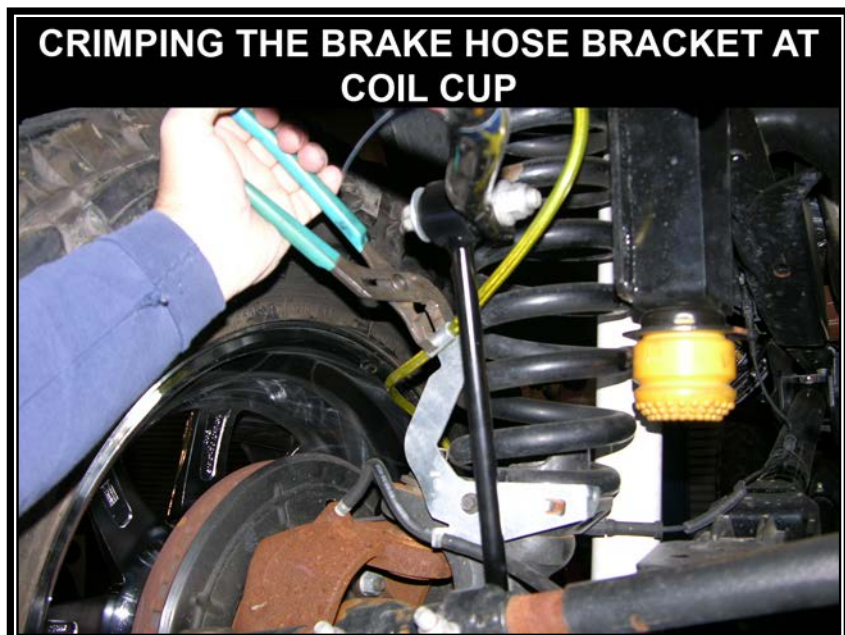
- Remove the bolt securing the brake hose bracket to the lower coil cup. Save hardware for re-use.
- Disconnect the 4wd vacuum line from the brake hose bracket.
- Use a line wrench to disconnect the metal brake line from the rubber hose. Have a catch pan ready to catch any spilled fluid. Place a cap on the metal line to minimize fluid loss. Remove the banjo bolt securing the brake hose to the caliper.

3) FRONT BRAKE HOSE INSTALL...

- Attach the supplied brake hoses (#01-91540 driver side and #02-91540 passenger side) to the brake hose bracket at the frame, then the metal line and tighten to the specifications found in the factory service manual. Use a line wrench to avoid damaging the fitting.
- Attach the other end of the hose to the caliper using the factory banjo bolt. Use the new copper crush washers supplied with the hoses. Tighten to factory specifications.
- Position the brake hose bracket on the coil cup in the same location that the stock bracket was removed. Secure using the factory hardware (9).

- [SEE PHOTO] The brake hose bracket attached to the coil cup will need to be crimped on the hose. Pull the slack in the hose from the caliper toward the brake hose bracket so that the hose is not close to the tire. Use pliers to crimp the bracket around the hose.

NOTE: Do not over crimp the brake hose bracket. The bracket should be crimped just enough that the hose does not pull back through the bracket.



- Reattach the vent hose and 4wd vacuum hose to the brake hose bracket.
- 4) 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 leader, 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.**
- 5) Bleed air from the system as instructed by the factory service manual. Avoid getting brake fluid on painted surfaces.
- 6) **CLEARANCE...**
- With vehicle on floor, cycle steering lock-to-lock and inspect the tires / wheels, and the steering, suspension, and brake systems for proper operation, tightness, and adequate clearance.
- 7) **SUPERLIFT® WARNING DECAL...**
- Install the WARNING TO DRIVER decal on the inside of the windshield, or on the dash, within driver’s view. Refer to the “IMPORTANT PRODUCT USE AND SAFETY INFORMATION / WARNINGS” text found at the end of this instruction sheet.

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 (powder coating, 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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