



INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

INTRODUCTION

Installation requires a professional mechanic. Prior to beginning, inspect the vehicle's steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, stabilizer bars and bushings, tie rod ends, steering rack, ball joints and wheel bearings. Also check the steering 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:

- **Prior to beginning the installation, check all parts and hardware in the box with the parts list below. If you find a packaging error, contact Mopar directly. Do not contact the dealer where the system was originally purchased. You will need the control number from each box when calling; this number is located at the bottom of the part number label and to the right of the bar code.**
- Front-end realignment is necessary.
- In photos, an arrow indicates which direction is towards "front of vehicle".
- 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 drilling or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. After drilling, file smooth any burrs and sharp edges.
- Prior to operating a torch or saw, protect any heat-sensitive components located in the immediate area by covering them with a water-saturated cloth. Most undercoatings are flammable but can be extinguished using a water-filled spray bottle. Have a spray bottle and an ABC rated fire extinguisher on hand.
- Paint or undercoat all metal surfaces after cutting / drilling.
- Prior to attaching components, be sure all mating surfaces are free of grit, grease, excessive undercoating, etc.
- A factory service manual should be on hand for reference.
- Use the check-off "☐" 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.

NOTE: Vehicle RPM and speedometer readings are based on the stock vehicle's tire and wheel combinations. Installing larger wheels and tires with your Mopar Performance lift kit could result in incorrect RPM, speedometer and odometer readings.



INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
 PART NUMBER P5155797

Wheel and Tire Recommendations

Tire Diameter: Up to 34"

Tire Width: 12.5"

Wheel Diameter: 18" and up (17" wheel does not work)

Wheel Width: Stock to 9"- Do not use less than 8.5" wide wheel with a 12.5" wide tire.

Wheel Back Spacing: 18" diameter wheels – Stock to 5". 20" diameter wheels – Stock to 5-1/2".
 As Back Spacing dimension decreases, track width and stability increases.

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 (Qty.- if more than one)	NEW ATTACHING HARDWARE (Qty.)	BAG #
55-19-4594.....	(2) rear stabilizer bar/brake line... bracket	(2) 7/16" x 1" bolt (4) 7/16" SAE flat washer (2) 7/16" Nyloc nut (2) 5/16" x 1" bolt (4) 5/16" SAE flat washer (2) 5/16" Nyloc nut	77-4594-5
55-43-4594.....	rear bump stop extension, driver..	(2) 3/8" x1" bolt (2) 3/8" SAE flat washer (2) 3/8" Nyloc nut	77-4594-6
55-42-4594.....	rear bump stop extension, pass...	(2) 3/8" x1" bolt (2) 3/8" SAE flat washer (2) 3/8" Nyloc nut	77-4594-6
01-140.....	(2) rear coil spring		
Replacement struts and rear shock absorbers.....		(2) rear shock absorber decal (2) hardware pack	
716249.....	Mopar decal sheet.....	in Installation Instructions packet	



INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

FRONT PROCEDURE

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

1) **PREPARE VEHICLE...**Place vehicle in neutral. Raise front of vehicle with a jack and secure a jack stand beneath each frame rail, behind the lower link arms. Ease the frame down onto the stands, place transmission in low gear or "park", and chock rear tires. Remove front tires.

2) **STABILIZER BAR LINKS...**Disconnect the upper end of the stabilizer bar links from the stabilizer bar; leave the lower ends attached to the lower control arm.

3) **STRUTS...**

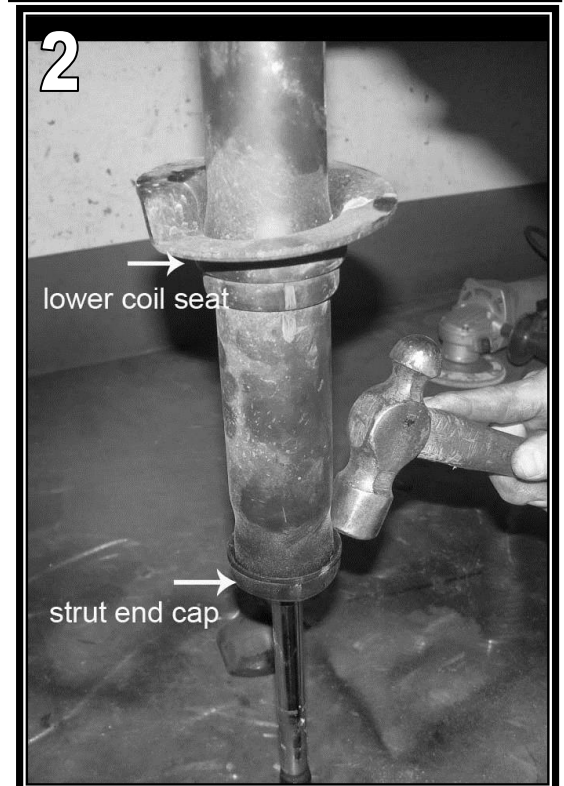
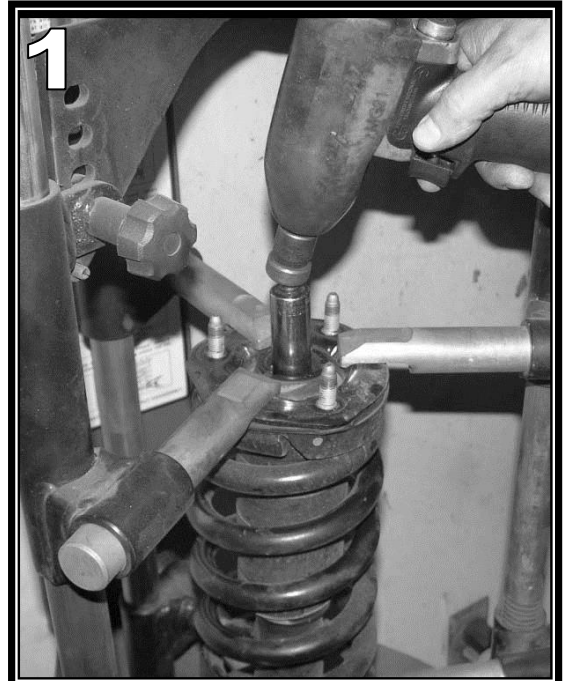
Loosen, but do not remove, the lower control arm bolts. Remove the lower strut bolt. Remove the three upper strut assembly bolts. Remove strut.

[See Photo 1] Using a spring compressor carefully remove the spring retaining plate nut followed by the strut. **NOTE: The coil spring is under extreme pressure. Be certain that it is contained securely in the spring compressor.** Leave the coil in the spring compressor.

[See Photo 2] Once the strut has been removed, slide the rubber snubber from the shaft, stand the strut up on the shaft end and carefully remove the strut end cap, then remove the lower coil seat

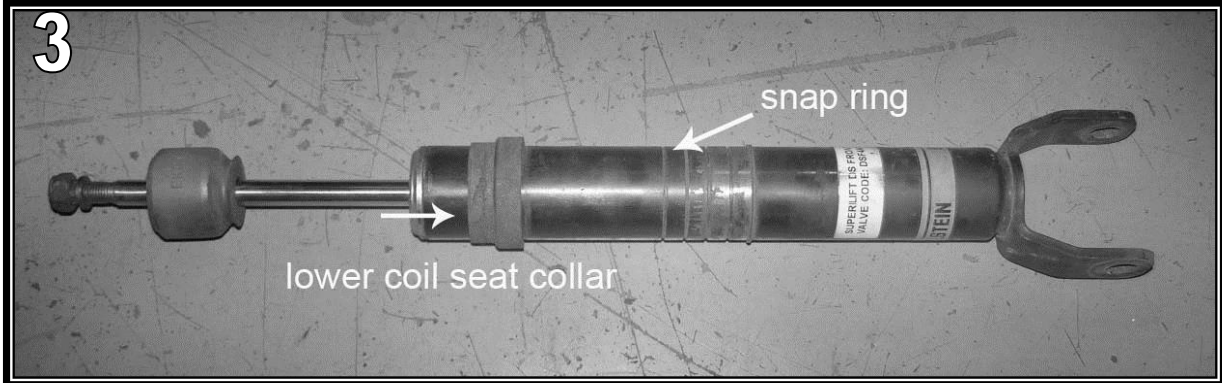
[See Photo 3] Position the snap ring on the new strut in the end groove closest to the shaft, then slide the lower seat collar onto the snap ring. The collar may need to be carefully tapped in place with a hammer. Slide the lower coil seat onto the collar and tap into place.

Position the machined spacer on the shock shaft, insert the shock inside the coil and rotate the coil until the coil is seated properly in the lower coil seat. Install the nyloc nut and tighten.





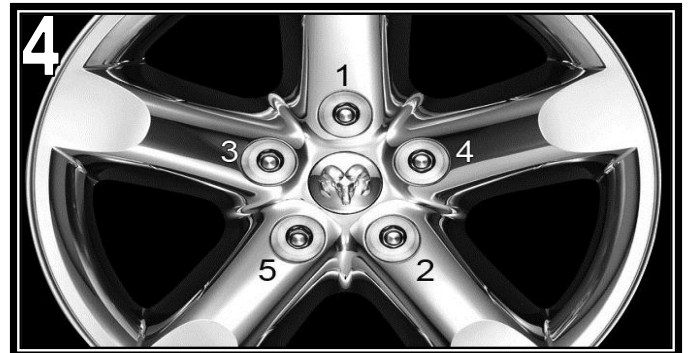
INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797



- Install the new strut assembly using the factory hardware. Tighten the three upper strut bolts (45).

Repeat step 3 on opposite side.

- 4) TIRES / WHEELS...**[See Photo 4]
Tighten the lug nuts in the sequence shown (130).



WARNING: When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel-mounting surface, or anything that contacts the wheel-mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.

WARNING: Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.

- Lower vehicle to the floor. The suspension is now supporting vehicle weight.

- 5) TORQUE CONTROL ARMS AND STRUTS...**Tighten the lower control arm bolts (155). Tighten the lower strut bolts (155). Tighten the upper control arm bolts (130).

- 6) CLEARANCE CHECK...**Raise the vehicle back onto jack stands and secure as per step 1. With the suspension "hanging" at full extension travel, cycle steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and knuckles, brake hoses, wiring, etc.

- Lower the vehicle to the floor.



INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

REAR PROCEDURE

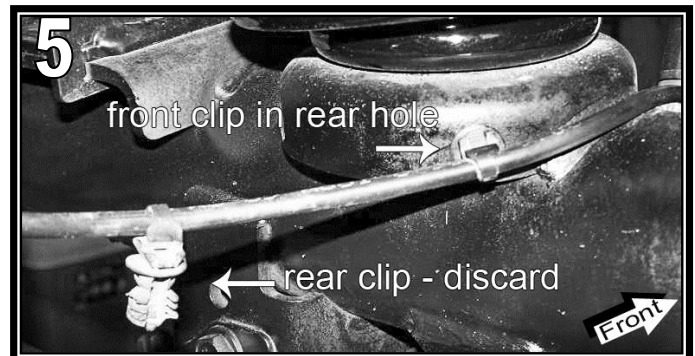
7) PREPARE VEHICLE...Before raising the rear of the vehicle:

- Disconnect the upper end of the track bar. Loosen, but do not remove, the track bar at the driver side axle mount.
- Disconnect the upper ends of the stabilizer bar links where they attach to the frame.
- Disconnect the brake line mount and wheel speed sensor. Both are located on the frame, behind the coil spring's upper mount.
- Remove the bolt securing the wire hanger bracket that captures the parking brake cables. This hanger is bolted to the driver side, lower suspension link arm. Retain hardware.

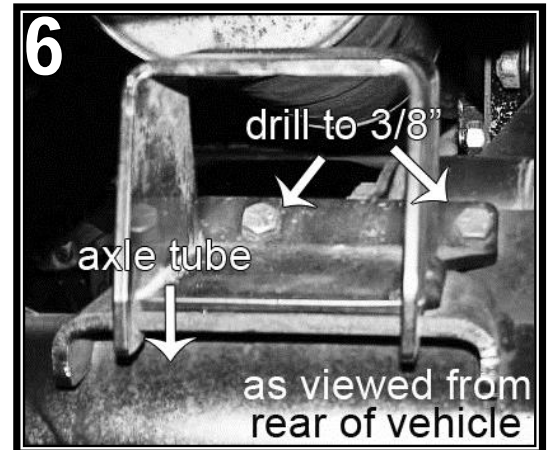
8) RAISE REAR OF VEHICLE...Position a jack beneath the center of the rear axle then raise rear of vehicle. Secure jack stands beneath the frame rails just forward of the lower link arms. Chock front tires to prevent any possibility of movement. Remove rear tires.

9) SHOCKS AND COIL SPRINGS...Remove shock absorbers. Lower the axle just enough to allow removal of coil springs.

10) WHEEL SPEED SENSOR WIRE...[See Photo 5] Remove the Wheel Speed Sensor (WSS) wire's front and rear clips. The front clip is located on the front / outboard side of the shock absorber's lower mount, and the rear clip is on the outside edge of the coil spring's lower seat. Reposition the front clip into the factory rear clip's hole, at the base of the coil spring seat, and discard the rear clip.



11) BUMP STOPS...[See Photo 6]
 Position the passenger side bump stop bracket (55-42-4594), as shown, on top of the factory bump stop pad, located on top of the axle tube, just inboard of the coil springs. The "hooks" on the back side of the bracket capture the underside of the factory bump stop pad. Center the bracket on the pad then using the holes in the bracket as a template, drill two holes through the factory pad for the 3/8" mounting hardware. Insert the supplied 3/8" x 1" bolts





INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

(installed from top), flat washers (on nut side), and Nyloc nuts. Tighten (30).

❑ The driver side bump stop bracket (55-43-4594) attaches through pre-existing holes in the factory pad. It uses the same hardware as the passenger side.

11) ❑❑ COIL SPRINGS AND SHOCKS... Install coil springs and shock absorbers using the factory hardware and supplied shock bushings and sleeves. Do not tighten. Apply shock decals.

12) BRAKE LINE / STABILIZER BAR BRACKET...
[See Photo 7] Perform this step one side at a time.

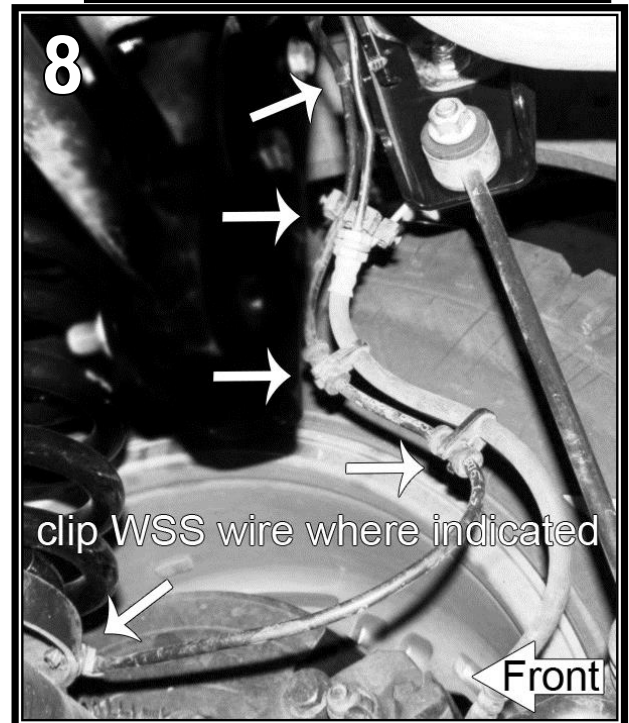
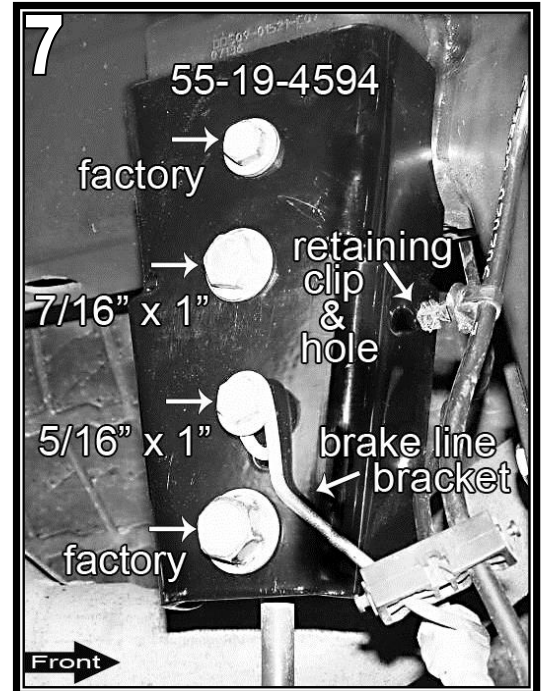
❑❑ The WSS wire is clipped to the front face of the factory stabilizer bar link's frame bracket. Detach WSS clip from the bracket.

❑❑ Position the brake line / stabilizer bar relocation bracket (55-19-4594) over the factory bracket. Use the factory hardware in the top hole, and the supplied 7/16" x 1" bolt, flat washers (on both nut and bolt head sides) and Nyloc nut in the next hole down. Use the supplied 5/16" x 1" bolt, flat washers (on both nut and bolt head sides) and Nyloc nut to attach the factory brake line bracket-to-bracket. Tighten the 7/16" hardware (50). Tighten the 5/16" hardware (200 in. Lbs.). Tighten the factory hardware (top hole) (23).

❑❑ Loosely attach the upper end of the stabilizer bar link to the bracket using factory hardware. Do not tighten.

❑❑ [See Photo 8] The WSS wire clip, detached in the first step, plugs into a hole in the front face of the bracket.

❑❑ [See Photo 8] There are three more WSS wire clips per side. Lubricate all then feed the WSS wire up and along the brake hose / line so the end result is as shown.



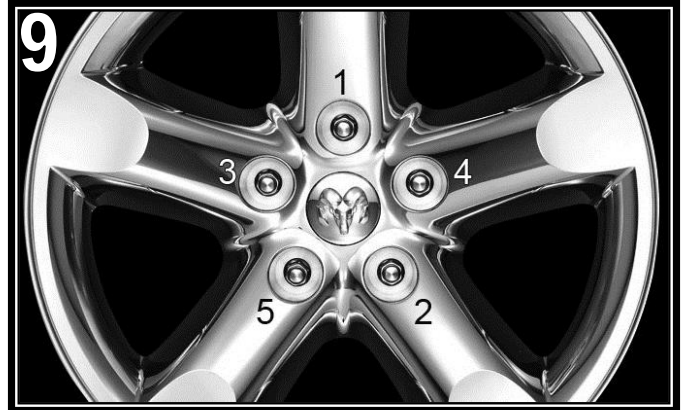


INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

13) TIRES / WHEELS...[See Photo 9]

- Tighten the lug nuts in the sequence shown (130).

WARNING: When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel-mounting surface, or anything that contacts the wheel-mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.



WARNING: Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.

- Lower vehicle to the floor. The suspension is now supporting vehicle weight.

14) REAR HARDWARE TIGHTENING SEQUENCE...

- Shock absorbers (100).

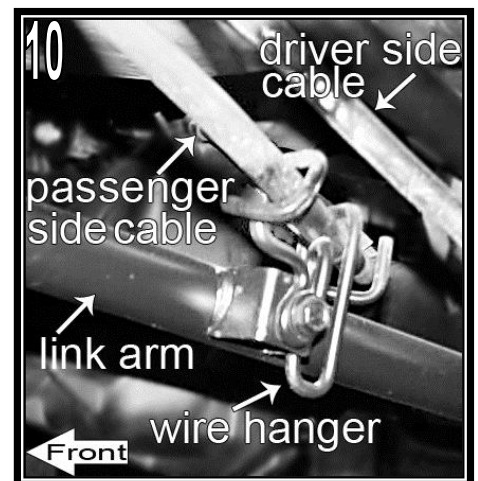
- Reconnect upper end of track bar using the factory hardware (130). Tighten track bar's lower end (130).

- Stabilizer bar links to the brackets (80).

37) PARKING BRAKE CABLES...[See Photo 10]

Reattach the parking brake cables' wire hanger bracket to the driver side, lower suspension link arm, but only capture the passenger side cable; leave the driver side cable loose. Tighten the hanger bracket to the link arm bolt (35).

38) REAR WHEEL LINER...[See Photo 11] On trucks equipped with the plastic rear wheel liners the liner may have to be trimmed to minimize contact to the tire. Trim the liner horizontally on the angled face above the area of contact. Leave the two fasteners intact and trim the liner at an angle on each end to meet the bottom of the liner. Paint any exposed surfaces black for best appearance.





INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

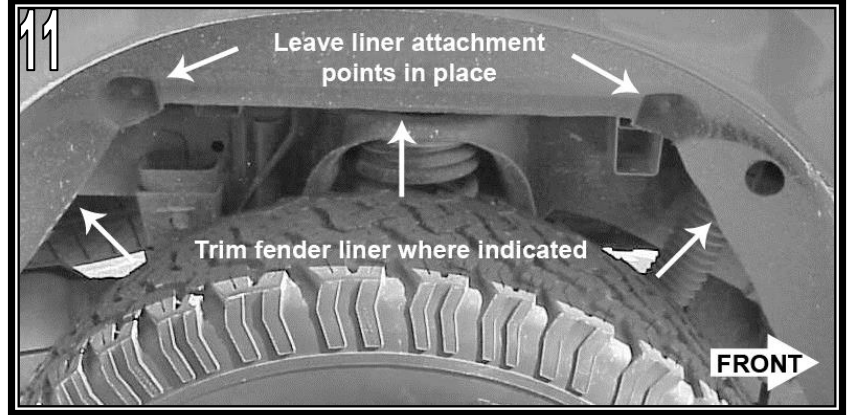
39) □ FINAL CLEARANCE AND TORQUE CHECK...With vehicle on floor, cycle steering lock-to-lock and inspect the tires / wheels, and the steering, suspension, and brake systems for proper operation, tightness, and adequate clearance.

40) □ FOUR WHEEL DRIVE...Activate four-wheel drive system and check for proper engagement.

41) □□ HEADLIGHTS...Readjust headlights to proper setting.

42) □ WARNING DECAL...Install the WARNING TO DRIVER decal on the inside of the windshield, or on the dash, within driver's view.

43) □ ALIGNMENT...Realign vehicle to factory specifications. A precise alignment, including the centering of the steering wheel, is required in order for the vehicle's Electronic Stability Program to function properly. A laser alignment is recommended.



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, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

Mopar® Performance Suspension Limited Lifetime Warranty by LKI Inc.

Your warrantor is LKI Enterprises, Inc. (LKI). The entire product warranty process is handled by LKI, not by Chrysler LLC, any Jeep® or Dodge® vehicle dealership, or any Mopar® distributor or retailer.

This product is covered by the Limited Warranty explained below that gives you specific legal rights. This Limited Warranty is the only warranty LKI, or any other manufacturer, dealer or distributor makes in connection with your performance suspension accessories. Your performance suspension involves several unique *WARNINGS*, and installation of these parts may affect other portions of your Jeep® or Dodge® vehicle warranties... **read carefully.**

What is covered? Subject to the terms below, LKI 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.

What is not covered? The addition of performance parts does not by itself void a vehicle's warranty. However, added performance parts (parts not originally supplied on the vehicle from the factory) are not covered by the vehicle's warranty, and any failure that they may cause is also not covered by the vehicle's warranty. Additionally, your LKI Limited Warranty does not cover products, parts or vehicles LKI determines to have been damaged by or subjected to:

- Alteration, modification or failure to maintain.



INSTALLATION INSTRUCTIONS
Mopar Performance 2" Lift System
2009 and Newer Dodge Ram 1500 (DS) 4WD
PART NUMBER P5155797

- 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 LKI's inspection and at LKI's option, be either repair or replacement of product or parts covered under this Limited Warranty. Customers requesting warranty consideration should contact LKI by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, installation and shipping costs are customer's responsibility.

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

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

- Neither LKI, Chrysler LLC, nor your Jeep® or Mopar® 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.

MOPAR® DIRECT CONNECTION TECH LINE
1-888-528-HEMI (4364)

LKI WARRANTY LINE
1-800-551-4955