



off-road driven!™

PRO COMP SUSPENSION

PN# 61120
2013 Dodge 2500/3500
w/ Radius Arms
2" Spacer Kits

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

Part #	Description	Qty.
94-8313	COIL SPACER: 2.0"	2
94-9500	FRONT SHOCK BRCKT: DRV	1
94-9501	FRONT SHOCK BRKT: PASS	1
90-8316	FRONT SHOCK SLEEVE	2
90-8317	FRONT BRAKE LINE SPACER	2
90-6945	HARDWARE PACK	1
	14MM-2.00 x 90MM HEX BOLT GR 10.9 FLANGED	2
	14MM-2.00 FLANGED NUT	2
	8MM- 1.25 X 40MM HEX BOLT GR 10.9 PLATED FLANGED	2
	10MM-1.5 X 25MM HEX BOLT GR 10.9 FLANGED	2
	10MM-1.5 FLANGED NUT	2
90-4591	NO SLIP 8mm CLIP-ON NUTS	2

NOTE: All part images may vary from catalog and instructions.

<u>RECOMMENDED PRO COMP SHOCKS</u>		
	<u>Front:</u>	<u>Rear:</u>
<u>2013 Ram 2500/3500:</u>	924553, MX6139	927543, MX6105

Optional Equipment Available from your Pro Comp Distributor!

- 56708 03-08 6" Suspension Lift Kit/2500 4wd**
- 56713 2009 6" Suspension Lift Kit/2500 4wd**
- 56714 2009 Long Arm Suspension Lift Kit/2500 4wd**
- 56715 2009 5" Coil Spacer Suspension Lift Kit/2500 4wd**
- 56716 2010 6" Coil Spring Suspension Lift Kit/2500 4wd**

**Check out our outstanding selection of Pro Comp tires to
compliment your new installation!**

Introduction:

- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arm. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- ◆ Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- ◆ Check the special equipment list and ensure the availability of these tools.
- ◆ Secure and properly block vehicle prior to beginning installation.
- ◆ ALWAYS wear safety glasses when using power tools or working under the vehicle!
- ◆ Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. Have a fire extinguisher close at hand.
- ◆ Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- ◆ **Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.**

INSTALLATION INSTRUCTIONS:

1. Measure the vehicle from the center of the hub to the fender lip and record this measurement below.

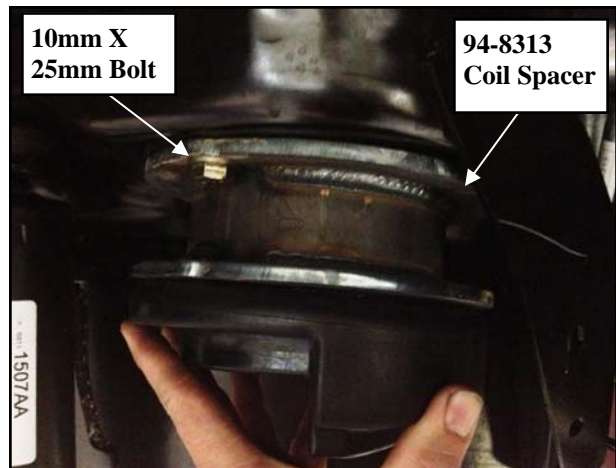
LF: _____ RF: _____

LR: _____ RR: _____

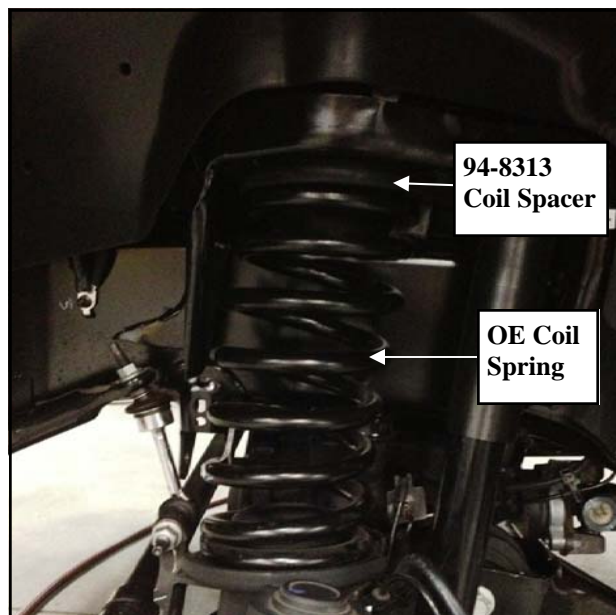
2. Disconnect track bar at the axle mount and inspect for excessive wear. The track bar, when attached, will not allow the front axle to drop down enough to install spring.
3. Ensure that your work space is of adequate size and the work surface is level. Place the vehicle in neutral. Place your floor jack under the front axle and raise vehicle. Place jack stands under the frame rails behind the front wheel wells and lower the frame onto the stands. Remove the jack and place the vehicle back in gear, set the emergency brake, and place blocks both in front of and behind the rear wheels. Remove the wheels.
4. Remove any skid plates or debris shields from the bottom of the vehicle.
5. Unbolt both brake line brackets from the frame to allow for free movement of the suspension components.
6. Place an index mark on the bottom of the coil springs and lower spring pockets. This is so the coil spring and lower spring mount can later be installed in the correct position.
7. Unbolt sway bar from the sway bar end links.
8. Place a floor jack under the front axle and raise to compress the coil springs.
9. Unbolt the **OE** shock absorber from the lower mount bracket on the axle. Save the hardware for reinstallation.
10. Carefully lower the floor jack until coil

springs are free from the upper spring pocket. Remove the coil springs.

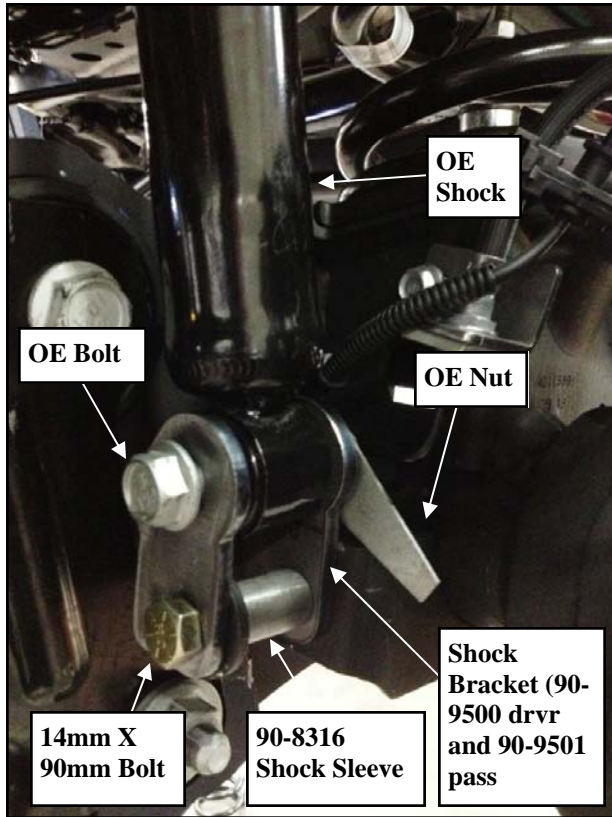
11. Remove and set aside the upper rubber isolation pad from the coil spring.
12. Repeat on other side of the vehicle.
13. Secure the coil spacers (**94-8313**) to the upper coil spring buckets mount using **10mm** hardware. Torque the **10mm** hardware to **15** ft./lbs.



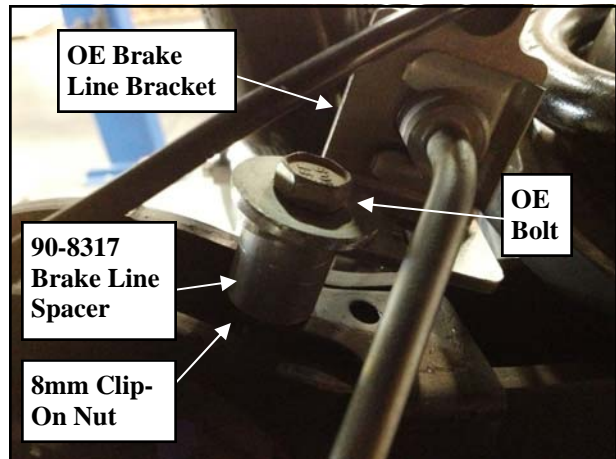
14. Support the front axle with a jack. Lower the axle and install the coil springs and **OE** rubber isolators. Be sure the coils are properly indexed.



15. Raise the front axle with the floor jack so that it compresses the front coil springs.
16. Lower vehicle to ride height and reattach track bar with the **OE** bolt and hardware.



17. Install the lower front shock brackets (**94-9500 Drvr** and **94-9501 Pass**) into the front axle shock mounts. Secure using the supplied **14mm X 90mm** bolt, hardware and shock sleeves (**90-8316**). Torque the **14mm** hardware to **80** ft./lbs
18. Secure the **OE** lower shock mounts to the front shock brackets using the previously removed **OE** bolts. Torque the hardware to factory specifications.
19. Install the **8mm** clip-on nuts (**90-4591**) to the front axle mounting holes.
20. Install the front brake line brackets to the axle using the supplied **8mm X 40mm** bolts, and supplied brake line spacers (**90-8317**).
21. Install the front tires/wheels and lower the



vehicle to the ground. Torque the lug nuts to manufacturer's specifications.

22. Reattach sway bar end links with the vehicle on the ground. Torque down end links and sway-bar bolts to factory specifications.
23. With the vehicle on the ground, torque the track bar frame hardware to **270** ft./lbs.
24. On both sides of the vehicle, check the routing of the brake lines and the ABS wire harnesses. There must be no pinching, rubbing, or stretching of any component. Use zip ties to secure these items to the steering components. At full droop, cycle the steering from lock to lock while observing the reaction of these components. Reposition them if needed.
25. Now would also be a good time to inspect the rear shocks for damage or fluid leakage. Replace if necessary.

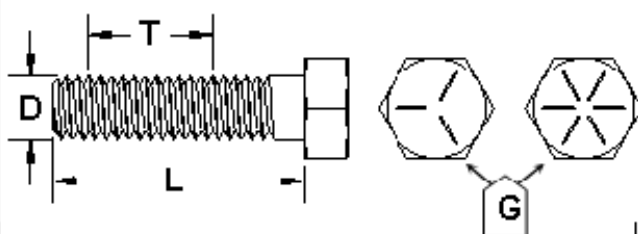
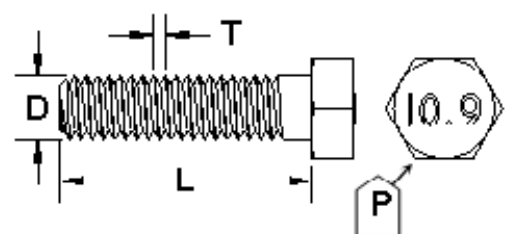
NOTE: For improved performance Pro Comp rear shocks are recommended. See the chart on page 2 for applications.

26. Make sure your steering wheel is properly adjusted and have your vehicle aligned.
27. After 100 miles recheck for proper torque on all newly installed hardware.
28. Have your headlights adjusted.
29. Recheck all hardware for tightness after off road use. ☺



Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

 <p>1/2-13x1.75 HHCS</p> <p>D T L X</p> <p>Grade 5 Grade 8 (No. of Marks + 2)</p> <p>G = Grade (Bolt Strength) D = Nominal Diameter (Inches) T = Thread Count (Threads per Inch) L = Length (Inches) X = Description (Hex Head Cap Screw)</p>	 <p>M12-1.25x50 HHCS</p> <p>D T L X</p> <p>P = Property Class (Bolt Strength) D = Nominal Diameter (Millimeters) T = Thread Pitch (Thread Width, mm) L = Length (Millimeters) X = Description (Hex Head Cap Screw)</p>
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