



PRO COMP SUSPENSION

[Suspension Systems that Work!](#)

**PN# 62687K
2005-2007 Ford
F250/350 4WD
Spacer Kit
3 1/2" Front Lift and
1"-3" Rear Lift**

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.
94-8111	COIL SPACER	2
90-4198	POLY RING	2
94-5273	SHOCK RELOCATION MOUNTS: Drvr	1
94-5276	SHOCK RELOCATION MOUNTS: Pass	1
90-6430	HARDWARE KIT: Shock Relocation	1
71-140801751000	14mm-2.0 X 80mm HEX BOLT Gr. 10.9	2
72-14200816	14mm-2.0 STOVER NUT Gr. C	2
73-01400030	14mm HARDENED FLAT WASHER	4
94-5991c	FRONT TRACK BAR DROP	1
90-4317	16mm DRIVE LINE SPACER	1
94-5996	INNER FENDER RELOCATION BRACKET	2
94-8109	FRONT BUMP STOP EXTENSIONS	2
90-6757	HARDWARE PACK: Inner Fender Brace	1
	8-18 X .75" SELF DRILLING SCREW	4
	Wide Panel No-Slip Clip-on Nut- .025"- .150"	2
90-6758	HARDWARE PACK: Bump Stop Mounting Cup	1
	8mm- 1.25 HEX NUT Gr. 10.9	2
73-00800030	8mm SAE FLAT WASHER	2
90-6759m	HARDWARE PACK: Drive Line Shim	1
	HEX BOLT Gr. 8	2
	SAE FLAT WASHER	2
94-7000	RADIUS ARM DROP BRACKET	2
90-6762	HARDWARE PACK: Radius Arm Drops	1
71-181301751000	18mm-2.5 X 130mm HEX BOLT Gr. 10.9	4
72-18250816	18mm-2.5 NYLOCK NUT	4
73-01800030	18mm USS FLAT WASHER	8
94-8114	SLEEVE: RADIUS ARM DROP	4
94-7004	BRAKE LINE DROP	2
90-6763	HARDWARE PACK: Brake Line Drop	2
	8mm-1.25 X 20MM HEX BOLT Gr. 10.9	2
	8mm-1.25 NYLOCK NUT	2
	8mm FLAT WASHER	4
13-90180em	U-BOLT	4
20-65472m	HARDWARE PACK: U-BOLT	1
95-502SD	TAPERED REAR LIFT BLOCK: Drvr	1
95-503SD	TAPERED REAR LIFT BLOCK: Pass	1

Tire Information:

Due to differences in manufacturing, dimensions and inflated measurements, tire and wheel combinations should be test fit prior to installation. Tire and wheel choice is crucial in assuring proper fit, performance, and the safety of your Pro Comp equipped vehicle. For this application, we recommend a quality tire of radial design, not exceeding 35" tall X 12.5" or 37" X 12.5"*. Violation of these recommendations will not be endorsed as acceptable by Pro Comp Suspension and will void any and all warranties either written or implied.

**NOTE: The use of 37" tires will slightly rub the radius arms at full turn.*

NOTE: Both tire fitments will require the inner fender to be pulled back to prevent rubbing (See pg. 10 for instructions).

Please Note:

- ⇒ Front suspension and head light realignment is necessary!
- ⇒ Speedometer and ABS recalibration will be necessary if larger tires (10% more than stock diameter) are installed.
- ⇒ IT IS ADVISABLE THAT YOU HAVE HELP AVAILABLE WHEN INSTALLING THIS KIT. SOME COMPONENTS ARE HEAVY AND AWKWARD. AN ADDITIONAL SET OF HANDS IS GOOD INSURANCE AGAINST INJURY!

Optional Equipment Available from your Pro Comp Distributor!

52413B, 52513B, 52415B, 52515B, 52417B, 52421B: 2005-2007 SUSPENSION LIFT KITS

52440B, 52450B: 2005-2007 FRONT DUAL SHOCK KITS, (Use with Suspension Lift Kit)

52432B, 52434B: 2005-2007 DUAL FRONT COIL OVER LIFT KITS,

52438B: 2005-2007 DUAL FRONT COIL OVER UPGRADE KITS,

22415 (x2): 2005-2007 LEAF SPRINGS, (Use with Suspension Lift Kit)

95-550SD (x2): 5 1/2" LIFT BLOCK, (Use with Suspension Lift Kit)

95-400SD (x2): 4" LIFT BLOCK, (Use with Suspension Lift Kit)

LIGHTS,

599: ALIGNMENT CAM KIT,

72400B: TRACTION BARS,

72099: TRACTION BAR MOUNTING KIT

219567: DUAL STEERING STABILIZER

99-400: 4 DEGREE REAR AXLE SHIM KIT

Also, check out our outstanding selection of Pro Comp tires to compliment your new installation!

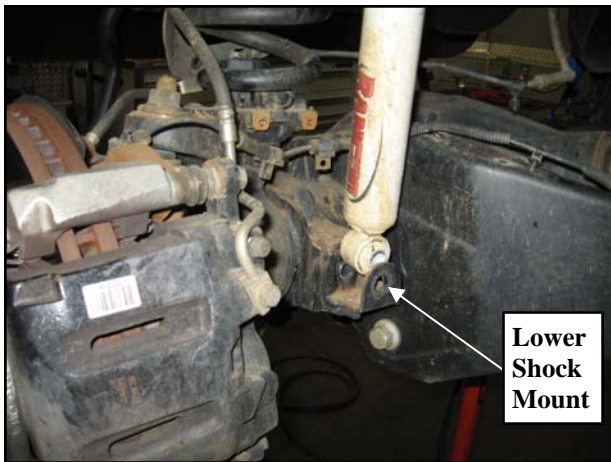
Front Installation:

1. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Block the rear tires and set the emergency brake.
2. Measure and record the distance from the center of each wheel to the top of its fender opening. Record below.

LF: _____ RF: _____

LR: _____ RR: _____

3. Place the vehicle in neutral. Place your floor jack under the front axle and raise the vehicle. Place jack stands under the frame rails 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 and behind the rear wheels.
4. Remove the front wheels.
5. Raise the axle using the floor jacks to remove the tension from the shocks.

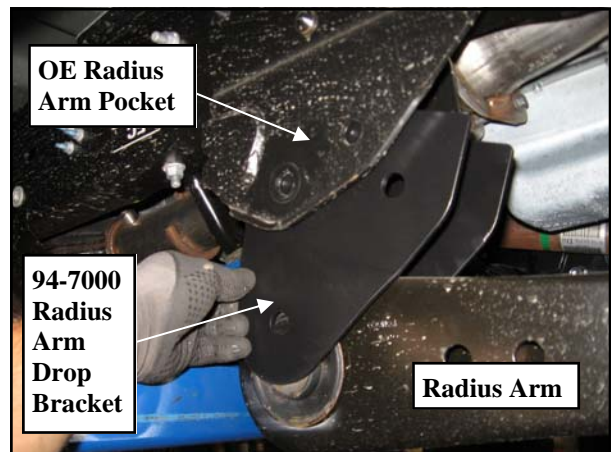


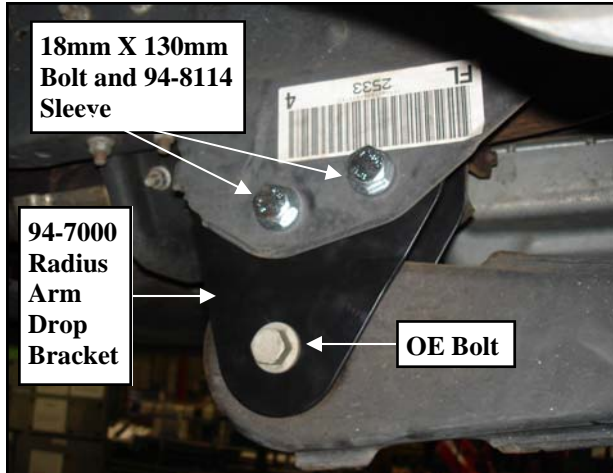
6. Unbolt the brake line from the frame.
7. Remove the track bar bolt from the driver side frame mount. Save this hardware for re-use.
8. Disconnect the end links to the sway bar, frame brake line bracket and OE shocks. (both sides).

9. Lower the front axle as far as possible and Remove the spring (mark or note spring orientation before removal). Remove OE spring isolator.



10. Raise the differential and reconnect the sway bar end links. Do not tighten at this time.
11. Remove the ABS line from the rear of the radius arm.
12. Use a jack to support the radius arm and remove the rear radius arm bolt and hardware. Save the hardware for reinstallation.
13. Lower the jack and let the radius arm drop out of the OE mounting pocket. Insert the radius arm drop down brackets into the mounting pocket. Secure the radius arm drop down bracket using the supplied **18mm X 130mm** bolts, sleeves (**90-8114**) and hardware.



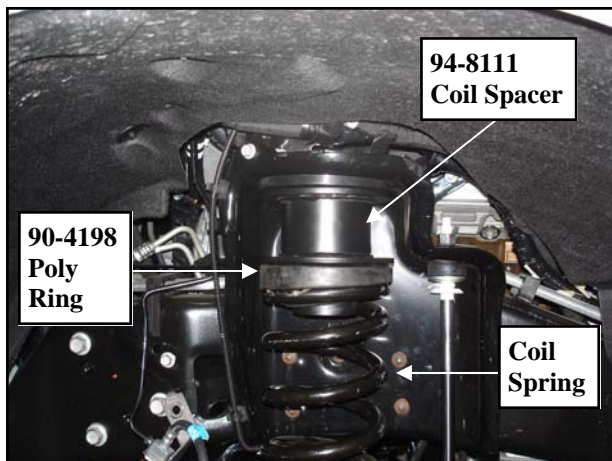


NOTE: Be sure the heads of the bolts are facing toward the outside of the vehicle.

14. Carefully raise the radius arm into the drop bracket and secure it using the previously removed OE hardware.

NOTE: Be sure the heads of the bolts are facing toward the outside of the vehicle.

15. Compress spring down, install new coil spacer (94-8111), poly ring (90-4198), OE isolator and reinstall the spring. Be sure to line up the previously applied coil spring reference mark.



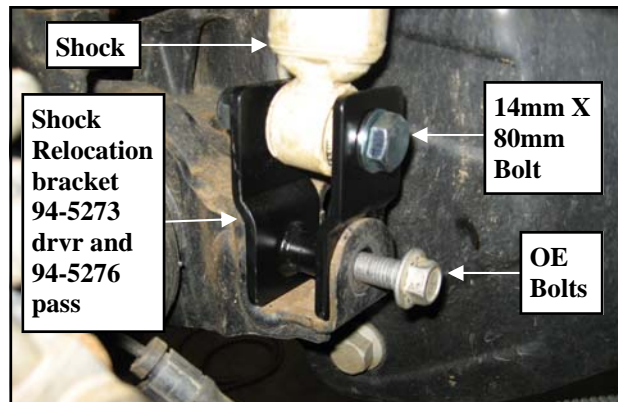
16. Now would also be a good time to inspect the front shocks for damage or fluid leakage. Replace if necessary.

NOTE: For improved performance Pro Comp rear shocks are recom-

mended. See the chart on page 3 for applications.

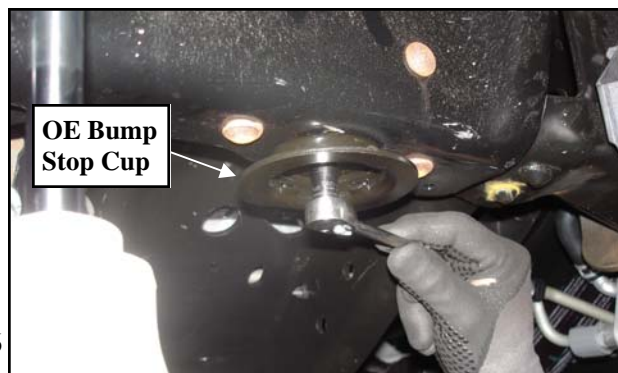
For OE shock (or OE length shock with relocation bracket) installation only:

17. Install the shock relocation brackets (94-5273 **drv**r and 94-5276 **pass**) into the lower shock mounts using the previously removed OE bolts and hardware. Secure the OE shock lower mount into the shock relocation brackets using the supplied 14mm-2.0 X 80mm bolts and hardware.



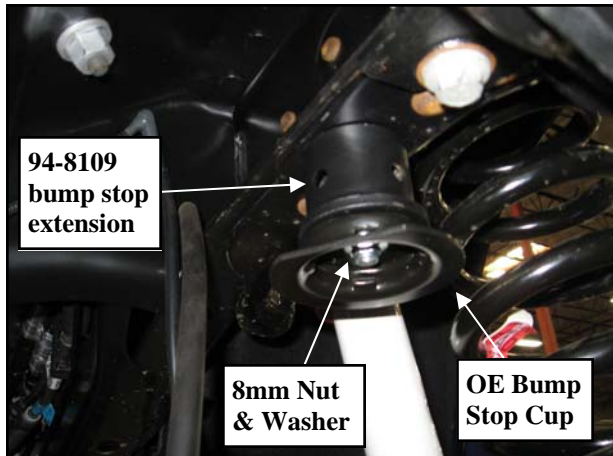
For Pro Comp shock (without relocation bracket) installation only:

18. Unbolt and remove the OE shock from the vehicle. Install the new Pro Comp shock using the previously removed OE hardware.
19. Remove the factory front bump stop from the bump stop mounting cup. Pliers and a back and forth rocking motion will assist in removal of the bump stop.
20. Unbolt the bump stop mounting cup from the frame of the vehicle.

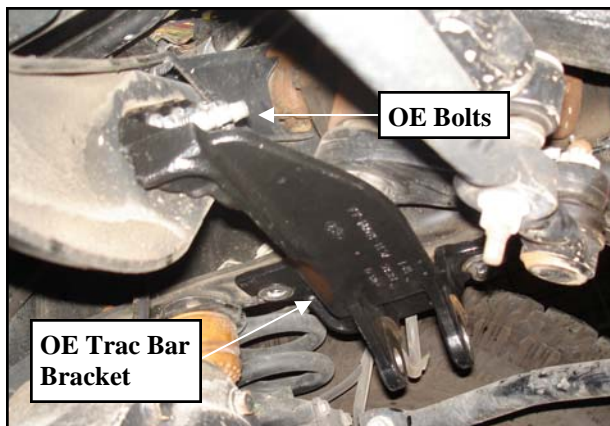


21. Thread the bump stop extension (**94-8109**) into the **OE** bump stop mounting cup hole.

NOTE: Inserting a screwdriver through the side holes on the extension and using the handle as a leverage point will help in properly tightening it.

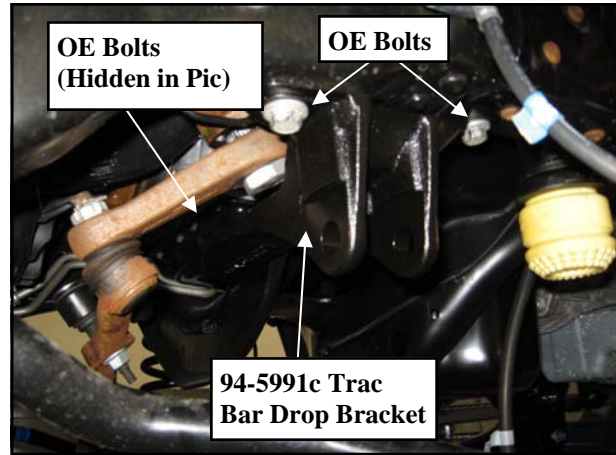


22. Install the **OE** bump stop cup to the bump stop extension (**94-8109**) using the supplied **8mm** nut and washer.
23. Reinstall the previously removed factory bump stop into the bump stop mounting cup.
24. Remove the cast track bar mount on driver side of frame. Save the bolts and pal nuts. Save the hardware for reuse.



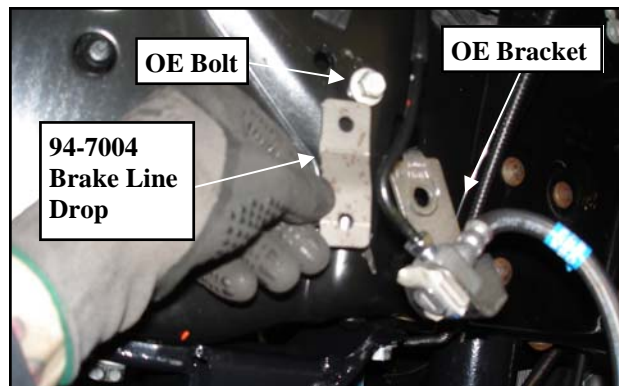
25. Install track bar drop bracket (**94-5991c**) using the previously removed **OE** bolts

and pal nuts. Use thread locker on the bolts. Torque bolts to manufacturers specifications. Do not install track bar at this time.



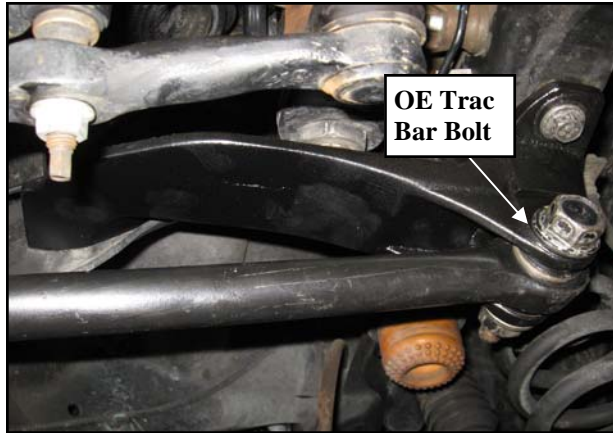
26. Install the front brake line drop brackets (**94-7004**) to the original brake line mounting hole in the frame. Secure using the previously removed **OE** bolt.
27. Bolt the brake line bracket to the new drop bracket using the supplied **8mm X 20mm** bolts and hardware.

NOTE: It may be necessary to carefully bend the metal brake line to provide adequate slack for it's new position.



28. Torque the sway bar end link hardware according to manufacturers specifications.
29. Put wheels back on Torque to manufacturer's specifications and lower the vehicle to the ground.
30. Reinstall the track bar into the track bar

bracket (94-5991c) using the OE bolt.
Torque to 406 ft. lbs.



31. Torque the OE radius arm bolts to 222 ft./lbs. and the 18mm bolts to 230 ft./lbs.
32. 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 Grade 5 Grade 8 (No. of Marks + 2)</p> <p>D T L X</p>	<p>M12-1.25x50 HHCS</p> <p>D T L X</p>
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<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>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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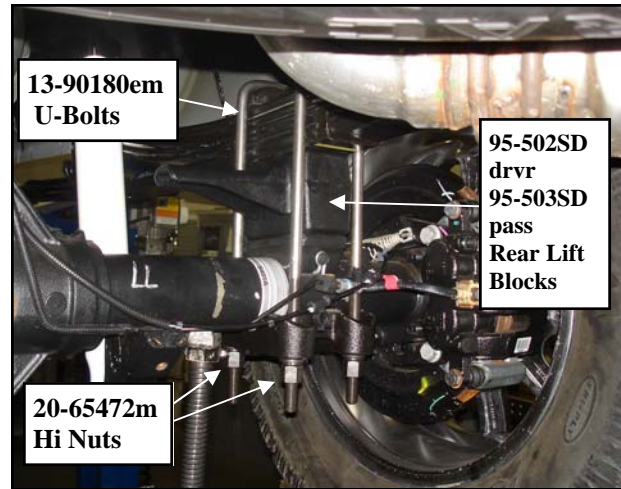
Rear Installation:

1. Block the front tires and raise the rear of the vehicle. Support the frame with jack stands forward of the rear springs.
2. Remove the wheels and tires.
3. Unscrew the rear axle vent tube to separate the rear brake line bracket from the rear axle.
4. Remove the shocks on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
5. On the driver side, unbolt the emergency brake line bracket from the upper spring plate. Save hardware for reuse.
6. If your vehicle is equipped with factory sway bar, unbolt it from the end links. Unbolt and remove the end links from the vehicle.
7. Support the rear axle with a floor jack and remove the **U-bolts** on the driver side. Slightly loosen the **U-bolts** on the passenger side.
8. Lower the rear axle and remove the factory block.

NOTE: *Be sure not to over extend the rear brake line and rear axle vent line.*

9. Install the supplied lift block (**95-502SD drv**r and **95-503SD pass**). See the side note for proper applications. Make sure the pin fits into the hole on the spring perch. Use your floor jack to raise the axle to the spring making sure the pin on the factory leaf spring assembly fits into the hole on the lift block. Secure the assembly with the **U-bolts (13-90180em)** hi-nuts (**PN 20-65472m**) and washers supplied. Do not torque the hi-nuts at this time.

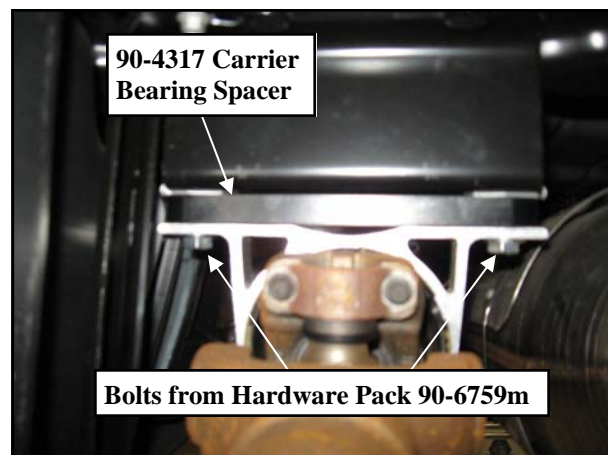
NOTE: *Make sure the block sits flush on the axle perch.*



10. Repeat the installation on the other side of the vehicle.
11. Now would be a good time to inspect the rear shocks for damage or fluid leakage. Replace if necessary.

NOTE: *For improved performance Pro Comp struts/shocks are recommended. See the box on page 3 for applications.*

12. Remove the (2) bolts that secure the center drive shaft bearing. Lower bearing and the install the carrier bearing spacer (**90-4317**). Use new bolts from pack (**90-6759m**) and torque to **55** ft./lbs.



13. Reinstall the wheels and tires and lower the vehicle to the ground. Torque lug nuts to manufacturer specification.

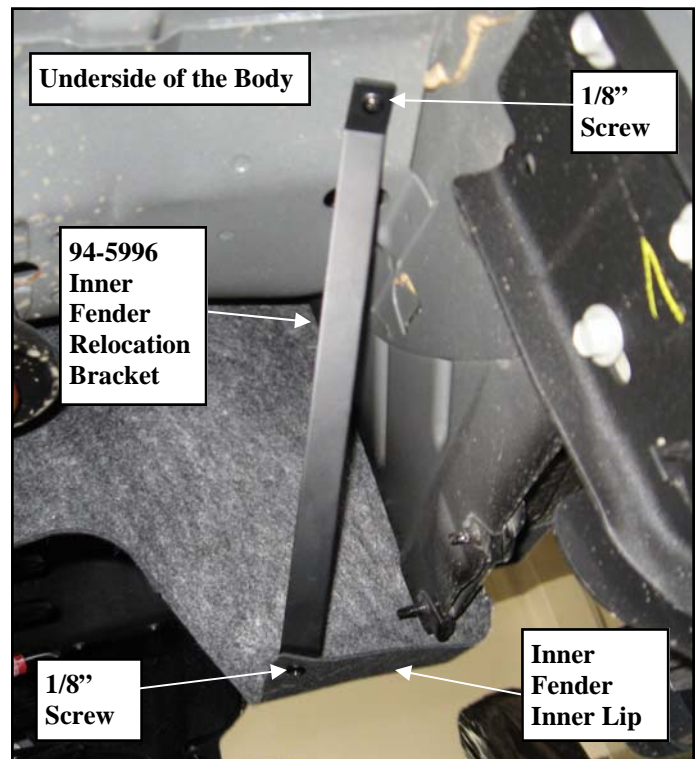
14. Torque the **U-bolts** to **120** ft./lbs.
15. Re-check the wheel lug torque on all four wheels at this time.
16. Re-check all hardware (both the front and the rear) for proper installation and torque!!
17. If you wish, you may trim the excess u-bolt thread length. If you do this you should leave approximately one inch of thread exposed after the **U-bolts** are torqued.

NOTES:

- ⇒ **On completion of the installation, have the suspension and headlights re-aligned.**
- ⇒ **After 100 miles recheck for proper torque on all newly installed hardware.**
- ⇒ **Recheck all hardware for tightness after off road use.**

INNER FENDER RELOCATION BRACKET:

1. Test fit the bracket by temporarily installing the bracket to get an idea of it's fitment.
2. Use the holes in the bracket to mark the inner fender inner lip and the underside of the body for drilling.
3. Carefully drill an **1/8"** hole in the underside of the body.
4. Carefully drill an **1/8"** hole in the inner lip of the inner fender.
5. Secure the inner fender relocation bracket (**94-5996**) to the inner fender lip using the supplied **1/8"** screw and the clip on nut.
6. Raise the assembly up to the previously drilled hole in the under side of the body and secure using the supplied **1/8"** screw.



Notice to Owner operator, Dealer and Installer:

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Pro Comp reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure your Dealer/Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Pro Comp reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components. Further, installation of certain Pro Comp products may void the vehicle's factory warranty as it pertains to certain covered parts; it is the consumer's responsibility to check with their local dealer for warranty coverage before installation of the lift.