



PRO COMP SUSPENSION

[Suspension Systems that Work!](#)

**PN# 62245
2005-2012 Ford
F250/350 4WD
2 1/2" Spacer Kit**

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.
94-2859	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:	1
71-140801751000	14mm-2.0 X 80 HEX BOLT Gr. 10.9	2
72-14200816	14mm-2.0 STOVER NUT Gr. C	2
73-01400030	14mm HARDENED FLAT WASHER	4

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

<u>2005-2011</u>		
<u>RECOMMENDED PRO COMP SHOCKS:</u>		
<u>W/Out Shock Relocation Bracket</u>		
<u>ES9000</u>	<u>Front:</u> 923553	<u>Rear:</u> 929508
<u>MX-6</u>	MX6087	MX6018
<u>W/ Shock Relocation Bracket (OE Length Shock)</u>		
<u>ES9000</u>	<u>Front:</u> 921553	<u>Rear:</u> 929508
<u>MX-6</u>	N/A	MX6018

Optional Equipment Available from your Pro Comp Distributor!

52413B, 52513B, 52415B, 52515B, 52417B, 52421B: 2005-2007 SUSPENSION LIFT KITS
 52800B, 52801B, 52860B, 52861B, 52880B, 52881B: 2008-2009 SUSPENSION LIFT KITS
 52821B, 52802B, 52803B, 52882B, 52883B: 2011 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,
 52470B, 52460B: 2008 FRONT DUAL SHOCK KITS, (Use with Suspension Lift Kit)
 52838B, 52848B: 2008 DUAL FRONT COIL OVER LIFT KITS,
 52858B, 52868B: 2008 DUAL FRONT COIL OVER UPGRADE KITS,
 22415 (x2): 2005-2007 LEAF SPRINGS, (Use with Suspension Lift Kit)
 22518 (x2): 2008 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,
 72400: 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!

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.**

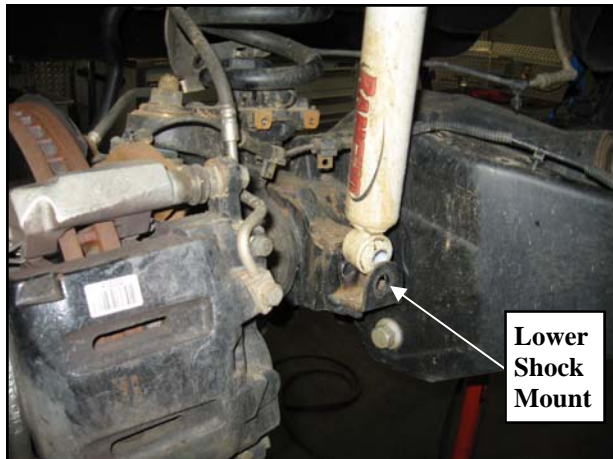
Front Installation:

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.

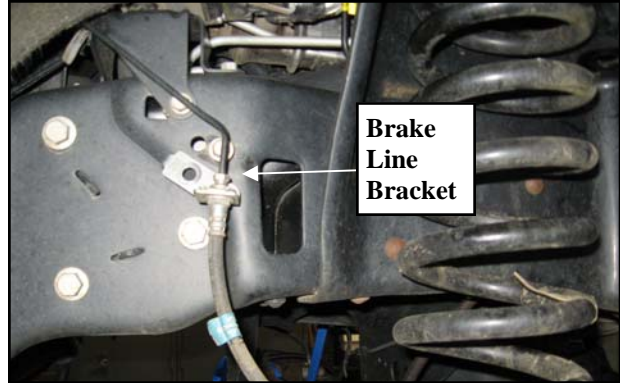
LF: _____ RF: _____

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.



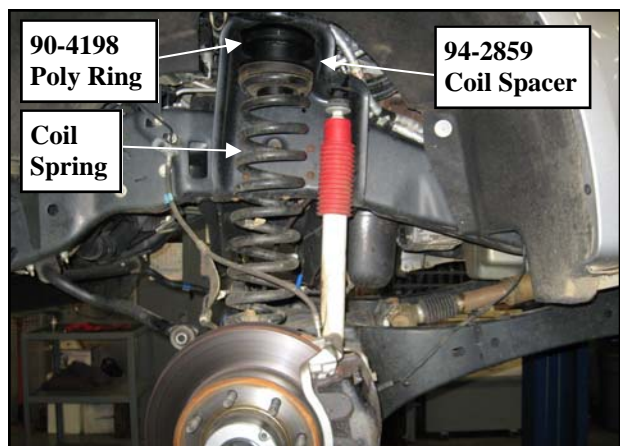
6. Disconnect the end links to the sway bar, frame brake line bracket and OE shocks. (both sides).



7. Lower the front axle as far as possible. Remove only one spring (mark or note spring orientation before removal). Remove **OE** spring isolator.



8. Compress spring down, install new coil spacer (**94-2859**), poly ring (**90-4198**), OE spring isolator and reinstall spring. Be sure to line up the previously applied coil spring reference mark.



- Lift axle back up and reinstall the brake line bracket and reconnect sway bar end links.

NOTE: For 2008 models, unbolt the brake line bracket from the frame. Measure down 2" from the original frame mounting hole and drill another 3/8" hole. Secure the brake line bracket to the new hole in the frame using the previously removed OE hardware.

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

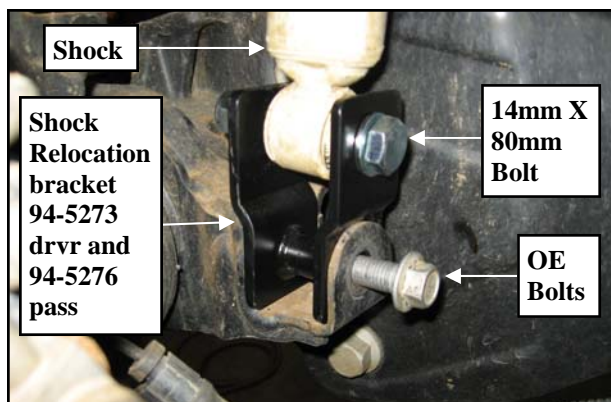
NOTE: For improved performance Pro Comp rear shocks are recommended. See the chart on page 2 for applications.

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

- Install the shock relocation brackets (94-5273 drvr and 94-5276 pass) into the lower shock mounts using the previously removed OE bolts and hardware. Secure the OE shock (or OE length shock: 921553) 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:

- Unbolt and remove the OE shock from the vehicle. Install the new Pro Comp shock (923553, MX6087) using the previously removed OE hardware.
- Put wheels back on Torque to manufacturer's specifications and lower the vehicle to the ground.
- 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

1/2-13x1.75 HHCS
D T L X

Grade 5 Grade 8
 (No. of Marks + 2)

G = Grade (Bolt Strength)
 D = Nominal Diameter (Inches)
 T = Thread Count (Threads per Inch)
 L = Length (Inches)
 X = Description (Hex Head Cap Screw)

M12-1.25x50 HHCS
D T L X

P = Property Class (Bolt Strength)
 D = Nominal Diameter (Millimeters)
 T = Thread Pitch (Thread Width, mm)
 L = Length (Millimeters)
 X = Description (Hex Head Cap Screw)

Revision Page:

6.30.2011: Added reinstallation of OE coil spring isolator in step 8.

10.29.2011: Updated kit fitment to include 2012.

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.