



PRO COMP SUSPENSION

Suspension Systems that Work!

**PN# 62161
2011-2012 Ford
F350 4WD
Spacer Kit
2 1/2" Front 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.
94-2859	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: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
94-7080M	FRONT SWAY BAR DROP: Drvr	1
94-7083M	FRONT SWAY BAR DROP : Pass	1
90-6340M	HARDWARE PACK: Sway Bar Drops	1

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

<u>RECOMMENDED PRO COMP SHOCKS:</u>		
<u>2011-2012</u>		
<u>Front:</u>		
<u>F350</u>	<u>ES</u>	<u>MX6</u>
<u>W/Bracket:</u>	921553	MX6119
<u>W/O Bracket:</u>	923553	MX6087

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.**

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" tall 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.*

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!

52821B, 52802B, 52803B, 52882B, 52883B: 2011-2012 SUSPENSION LIFT KITS

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

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

72101: TRACTION BAR MOUNTING KIT

72301: PLATE TRACTION BAR KIT (must be used with kit 72101)

72300: TUBE TRACTION BAR KIT (must be used with kit 72101)

52480: CARRIER BEARING SHIM KIT

599: ALIGNMENT CAM KIT

222582: DUAL STEERING STABILIZER

222582F: FOX DUAL STEERING STABILIZER

91-7057B: TRANSFER CASE SKID PLATE

599: ALIGNMENT CAM KIT,

219567: DUAL STEERING STABILIZER

99-400: 4 DEGREE REAR AXLE SHIM KIT
LIGHTS

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

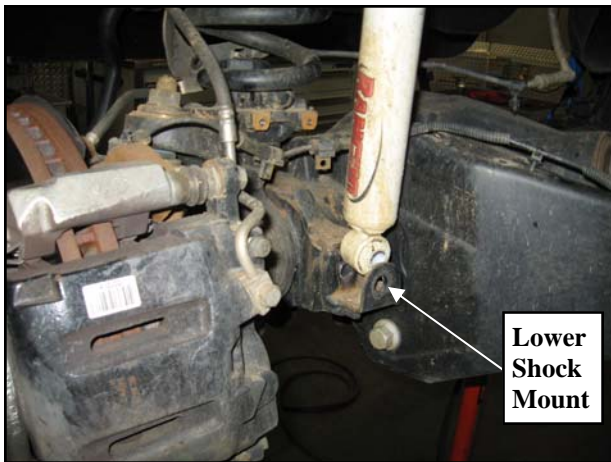
Front Installation:

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.

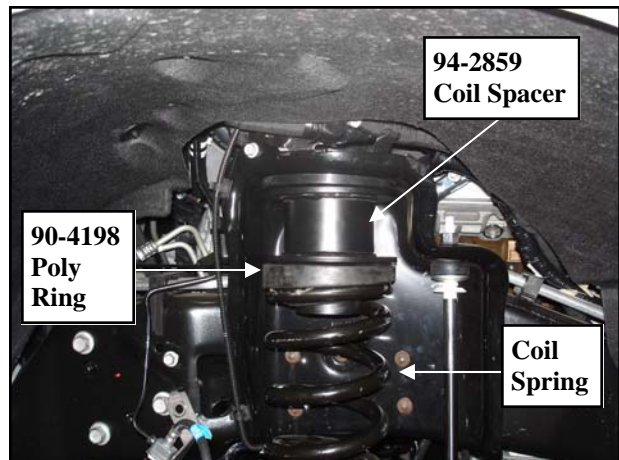


6. Unbolt the brake line from the frame.
7. Remove the track bar bolt from the driver side frame mount. Save this hardware for re-use.
8. Unbolt the sway bar from the frame mounts, frame brake line bracket and OE shocks. (both sides).

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. Remove the ABS line from the rear of the radius arm.
11. Compress spring down, install new coil spacer (94-2859), poly ring (90-4198), OE isolator and reinstall the spring. Be sure to line up the previously applied coil spring reference mark.

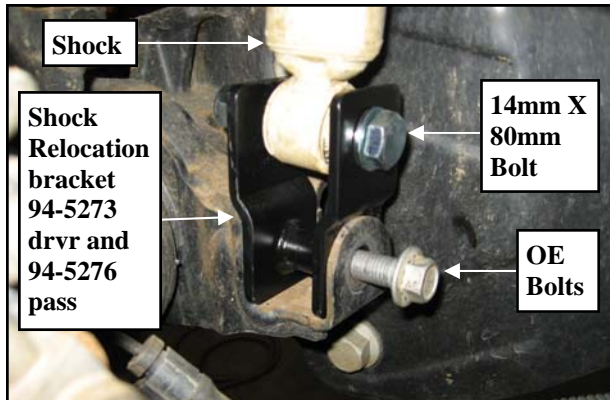


12. Now would also be a good time to inspect the front shocks for damage or fluid leakage. Replace if necessary.

NOTE: For improved performance Pro Comp rear shocks are recommended. See the chart on page 3 for applications.

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

13. Install the shock relocation brackets (**94-5273 drv** 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:

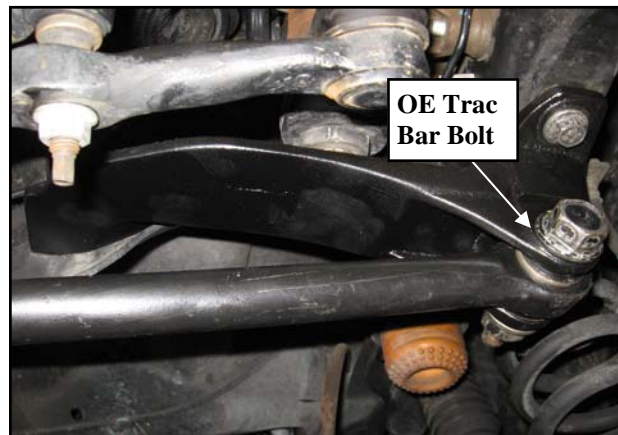
14. Unbolt and remove the **OE** shock from the vehicle. Install the new Pro Comp shock using the previously removed **OE** hardware.
15. Install the sway bar drops (**94-7080m drv** and **94-7083m pass**) to the **OE** sway bar mounting studs on the frame using the previously removed **OE** hardware.



16. Carefully raise the sway bar back into place and secure the supplied hardware from pack (**90-6340m**).



17. Torque all sway bar hardware according to manufacturers specifications.
18. Reinstall the **OE** brake line bracket into the original hole in the frame rail using the previously removed **OE** bolt.
19. Put wheels back on Torque to manufacturer's specifications and lower the vehicle to the ground.
20. Reinstall the track bar into the **OE** track bar bracket using the **OE** bolt. Torque to **406** ft. lbs.



21. Recheck all hardware for tightness after off road use. ☺

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.

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

D T L X

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)

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.