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PRO COMP SUSPENSION

Suspension Systems that Work!

PN# 62699
2005-2012 Ford
F250/350 4WD
1" Front Lower
Coil 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.
90-4318	LOWER COIL SPRING SPACER	2
90-6765	HARDWARE PACK: Spring spacer	1
.140NWHDY	14mm HARDENED FLAT WASHER	2
.140C700HCS1Y	14mm-2.0 X 70mm HEX CAP SCREW Gr. 10.9	2

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

RECOMMENDED PRO COMP SHOCKS:			
<u>2005-2007</u>		<u>2008-2011</u>	
<u>Front Only!:</u>		<u>Front Only!:</u>	
<u>F250</u>	<u>ES</u> 922553	<u>MX6</u> MX6123	<u>MX</u> MX6119
<u>F350</u>	<u>ES</u> 922553	<u>MX6</u> MX6123	<u>MX</u> MX6119

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". 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: Tire fitment will require the inner fender to be pulled back to prevent rubbing.

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

52800B, 52801B, 52860B, 52861B, 52880B, 52881B: 2008-2010 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!

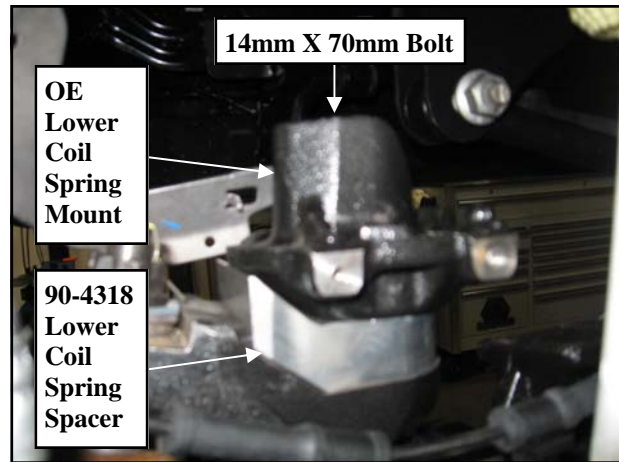
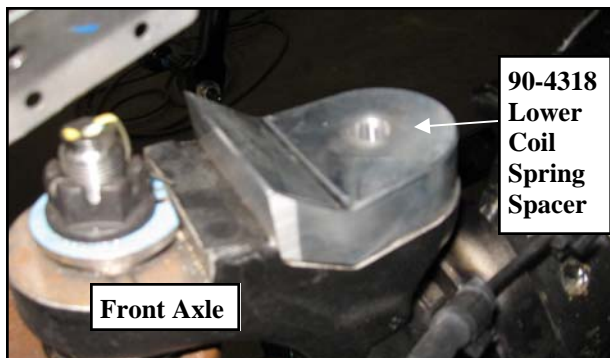
Front Installation:

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 and unbolt the lower mounts.
6. Unbolt the brake line from the frame.
7. Disconnect the end links to the sway bar, frame brake line bracket and OE shocks. (both sides).
8. Lower the front axle as far as possible and Remove the spring (mark or note spring orientation before removal). Remove OE spring isolator.
9. Raise the differential and reconnect the sway bar end links. Do not tighten at this time.
10. Remove the factory lower coil mount center bolt and remove the lower coil mount.
11. Insert the new 1" aluminum coil spacer (90-4318) with the factory lower coil mount on top and secure with the supplied 14mm X 70mm bolt. Do not tighten at this time.



12. Compress the spring down, install the OE isolator and reinstall the spring. Be sure to line up the previously applied coil spring reference mark.



13. Now would also be a good time to inspect the front shocks for damage or fluid leakage. Replace if necessary.
14. Reinstall the front brake line brackets to the original brake line mounting hole in the frame. Secure using the previously removed OE bolt.
15. Reattach the sway bar to the sway bar end links. Torque the sway bar end link hardware according to manufacturers specifications.
16. Put wheels back on torque to manufacturer's specifications and lower the vehicle to the ground.
17. Recheck all hardware for tightness after off road use. ☺

Revisions Page:

10.29.2011: Updated kit fitment to include 2012.

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>\hat{D} \hat{T} \hat{L} \hat{X}</p>	<p>Grade 5 Grade 8</p> <p>(No. of Marks + 2)</p>	<p>Grade 8</p> <p>(No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p> <p>\hat{D} \hat{T} \hat{L} \hat{X}</p>	<p>10.9</p> <p>\hat{P}</p>
<p>G = Grade (Bolt Strength)</p> <p>D = Nominal Diameter (Inches)</p> <p>T = Thread Count (Threads per Inch)</p> <p>L = Length (Inches)</p> <p>X = Description (Hex Head Cap Screw)</p>		<p>P = Property Class (Bolt Strength)</p> <p>D = Nominal Diameter (Millimeters)</p> <p>T = Thread Pitch (Thread Width, mm)</p> <p>L = Length (Millimeters)</p> <p>X = Description (Hex Head Cap Screw)</p>		

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.

Warranty and Return policy:

Pro Comp warrants its full line of products to be free from defects in workmanship and materials. Pro Comp’s obligation under this warranty is limited to repair or replacement, at Pro Comp’s option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Pro Comp is not responsible for damages and / or warranty of other vehicle parts related or non-related to the installation of Pro Comp product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications. Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Pro Comp or at any factory authorized Pro Comp dealer.

IMPORTANT! To validate the warranty on this purchase please be sure to mail in the warranty card.

Claims not covered under warranty-

- Parts subject to normal wear, this includes bushings, bump stops, ball joints, tie rod ends and heim joints
 - Discontinued products at Pro Comp’s discretion
- Bent or dented product
- Finish after 90 days
- Leaf or coil springs used without proper bump stops
- Light bulbs
- Products with evident damage caused by abrasion or contact with other items
- Damage caused as a result of not following recommendations or requirements called out in the installation manuals
- Products used in applications other than listed in Pro Comp’s catalog
- Components or accessories used in conjunction with other manufacturer’s systems
- Tire & Wheel Warranty as per Pro Competition Tire Company policy
- Warranty claims without “Proof of Purchase”
- Pro Comp Pro Runner coil over shocks are considered a serviceable shock with a one-year warranty against leakage only. Rebuild service and replacement parts will be available and sold separately by Pro Comp. Contact Pro Comp for specific service charges.
- Pro Comp accepts no responsibility for any altered product, improper installation, lack of or improper maintenance, or improper use of our products.

E-Mail: tech@explorerprocomp.com
Website: www.explorerprocomp.com
Fax: (619) 216-1474
Ph: (619) 216-1444

PLACE
WARRANTY REGISTRATION
NUMBER
HERE: _____