

2360 Boswell Road
Chula Vista, CA 91914
Phone 619.216.1444
Fax 619.216.1474
E-Mail tech@explorerprocomp.com



PRO COMP SUSPENSION

Suspension Systems that Work!

**PN 81099 Rear Multi Shock
Kit**

**Chevrolet / GMC 1/2
ton 4 X 4 1999 - 2001
Silverado / Sierra**

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.

INSTALLATION INSTRUCTIONS

TO BE INSTALLED **ONLY** ON VEHICLES WITH A **PRO COMP** SUSPENSION SYSTEM
AND TRACK BAR KIT # 71199!

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.

Box 1 of 1

Part List:

PART #	DESCRIPTION	QUANTITY	ILLUS.
90-1595	REAR SHOCK BRACKET, PASS.	1	1
90-1600	REAR SHOCK BRACKET, DRIVER	1	1
90-6203	HARDWARE PACK	1	
90-2002	CONICAL SPACER	8	2
54314	SHOCK SLEEVE	8	2
90-6204	HARDWARE PACK	1	
70-0505501800	1/2" X 5 1/2" GRADE 8 HEX BOLT	4	2
70-0504501800	1/2" X 4 1/2" GRADE 8 HEX BOLT	4	2
70-0371251800	3/8" X 1 1/4" GRADE 8 HEX BOLT	4	2
72-03700100816	3/8" NC STOVER NUT	4	2
72-05000100816	1/2" NC STOVER NUT	8	2
73-05000030	1/2" SAE GRADE 8 FLAT WASHER	18	2
73-03700042	3/8" USS GRADE 8 FLAT WASHER	4	2
73-03700034	3/8" SAE GRADE 8 FLAT WASHER	4	2
121500	ES 1000 SHOCK ABSORBER	4	2

INTRODUCTION

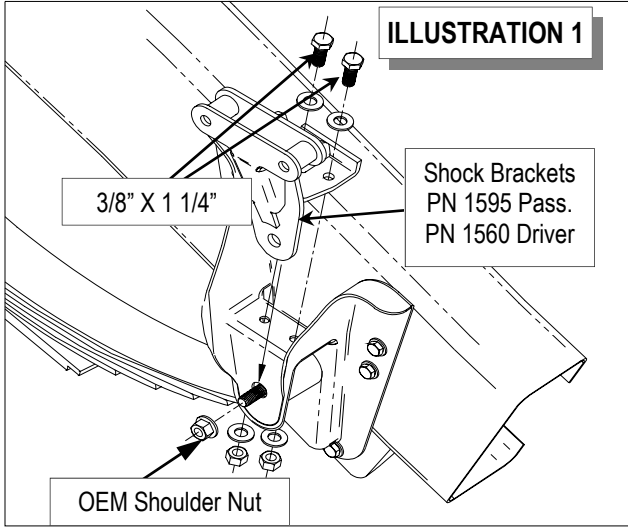
- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a GM service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering 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!
- ◆ 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 Loctite retaining compound where specified.

DISASSEMBLY

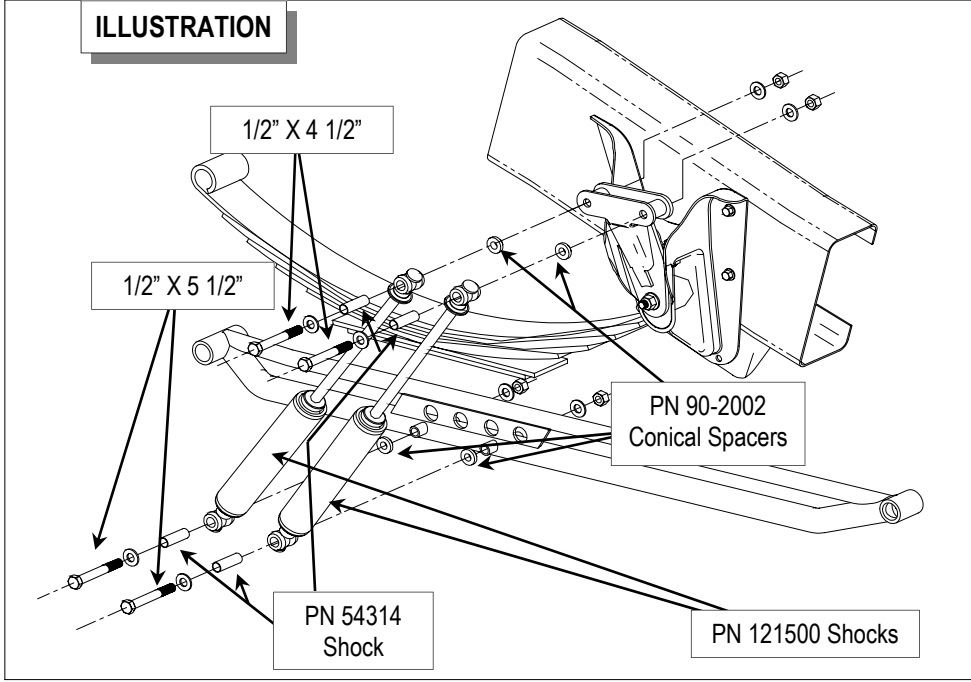
1. Ensure that your work space is of adequate size and the work surface is level. Place the vehicle in neutral. Place your floor jack under the differential center section and raise the vehicle high enough to place jack stands under the ends of the axles close to the mount pads. Lower the vehicle onto the jack stands and remove the floor jack.
2. Block the front wheels both in the front and the rear.
3. Remove the rear wheels.

INSTALLATION

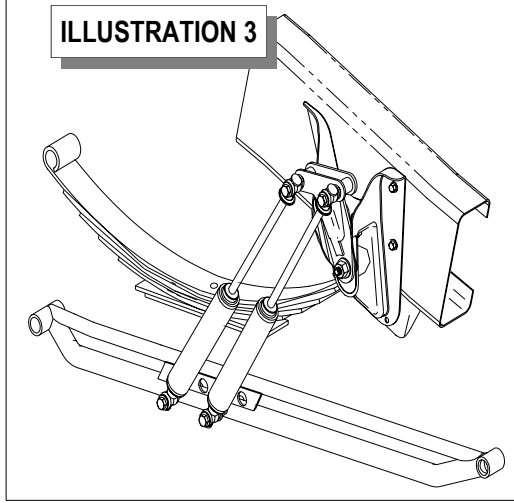
1. Using **ILLUSTRATION 1** as a guide, remove the OEM 5/8" shoulder nut from the front spring eye mount bolt and slide the upper shock bracket over the exposed bolt. Loosely reinstall the supplied OEM nut.



2. Insert the supplied 3/8" NC hardware through the holes as shown and tighten the 3/8" hardware to 45 ft. lbs. and the factory hardware to 105 ft. lbs.
3. Using **ILLUSTRATION 2** as a guide, install the supplied 1/2" hardware following the configuration shown. After installing all the fasteners, tighten to the specified torque specs.
4. Reinstall the tire on the side completed.
5. Repeat the process on the other side of the vehicle.
6. Raise the truck from the jack stands and remove them.



7. Lower the truck to the ground and carefully inspect the new installation for potential clearance problems.
8. The completed installation should look very similar to **ILLUSTRATION 3**.



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.

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: _____