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## **PRO COMP SUSPENSION**

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Suspension Systems that Work!

**Part # 51095  
Yukon/Tahoe  
Upgrade 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.	Illus.
90-1206	Tahoe Torsion Crossmember Brkt (Driver)	1	2
90-1207	Tahoe Torsion Crossmember Brkt (Pass)	1	2
90-2107	Sway Bar Link- Tahoe/Ranger	2	3
90-6073	Bushing Sleeve Parts Pack	1	
600000	5/8" Hourglass Bushing Urethane	4	3
15-11174	Urethane Bushing Red	4	2
51792	Sleeve, 5/8" x 1/2" x 1 3/8"	4	3
90-2105	Sleeve, .750 x .095 wall x 1.5	2	2
90-6074	Hardware Parts Pack	1	2
70-0501251800	1/2" x 1 1/4" USS Gd 8 Hex Bolt	8	
72-0500010816	1/2" USS Top Lock Nut	8	
73-05000030	1/2" SAE Flat Washer	16	
90-6029	Brake line Hose Kit	1	

## Please Note:

- Front end and head light realignment is necessary!
- Speedometer and ABS recalibration will be necessary if larger tires (10% more than stock diameter) are installed.
- 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 wheel not to exceed 8" in width with a minimum backspacing of 4" must be used. Additionally, a quality tire of radial design, not exceeding 35" tall X 12.5" wide is also recommended. Please note that the use of a 35" X 12.5" tire may require fender modification. 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.

## 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!
- ◆ 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.***

## INSTALLATION INSTRUCTIONS:

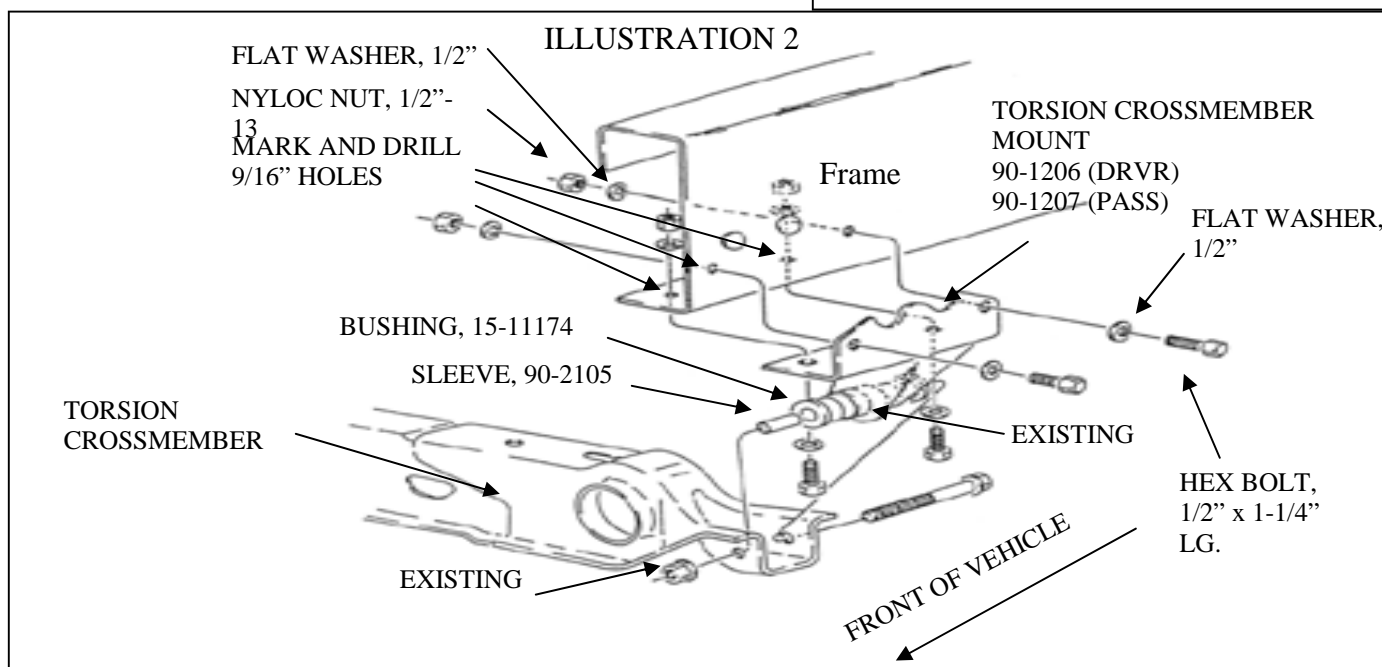
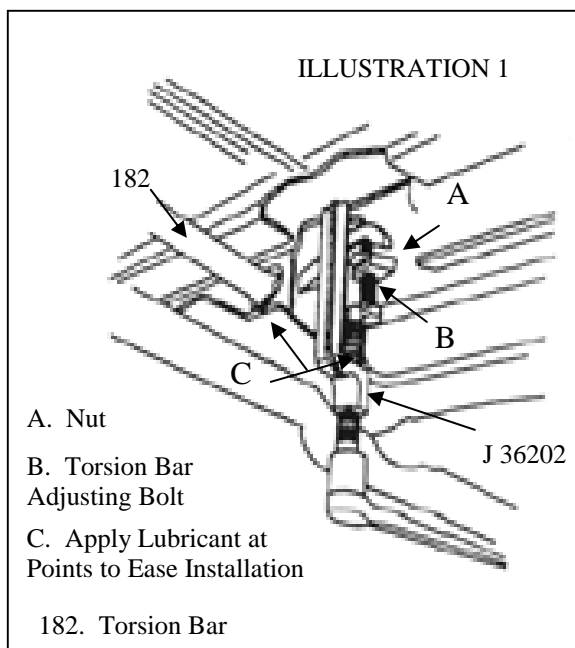
1) Put vehicle in neutral. Place floor jack under the lower control arm's front crossmember and raise vehicle. Place jack stands under the frame rails, behind the front wheel wells, and lower the frame onto the stand. Put vehicle in gear, set emergency brake and block rear wheels in front and behind tires. Remove front wheels.

2) **NOTE: A SPECIAL PULLER TOOL IS REQUIRED FOR SAFE REMOVAL/INSTALLATION OF THE ADJUST ARMS.** This special puller can be purchased from your GM dealer. (Tool #J36202) or from Kent Moore Tool Group, Roseville, MI (800) 345-2233 or (313) 774-9500 (Part #J-22517-C).

**WARNING: Be extremely careful when loading or unloading the torsion bars. There is a tremendous amount of stored energy in the bars. Keep your hands and body clear of the adjuster arm assembly and puller tool in case anything slips or breaks.**

3) Remove the torsion bar adjusting screw. Apply a small amount of lubricating grease to the puller threads and the puller shaft-to-adjuster arm contact point. Position the puller and load adjust arm until the adjuster nut can be removed from the crossmember (see ILLUSTRATION 1). With the bar unloaded, slide it further forward into the lower control arm. If the bar seems lodged, use a hammer and punch through the hole in back of the crossmember. When the bar shifts forward, the adjuster arm will fall.

4) Remove torsion bar crossmember by removing the nut and bolts from the torsion bar support crossmember link assembly. It may be necessary to jack up the exhaust to al-

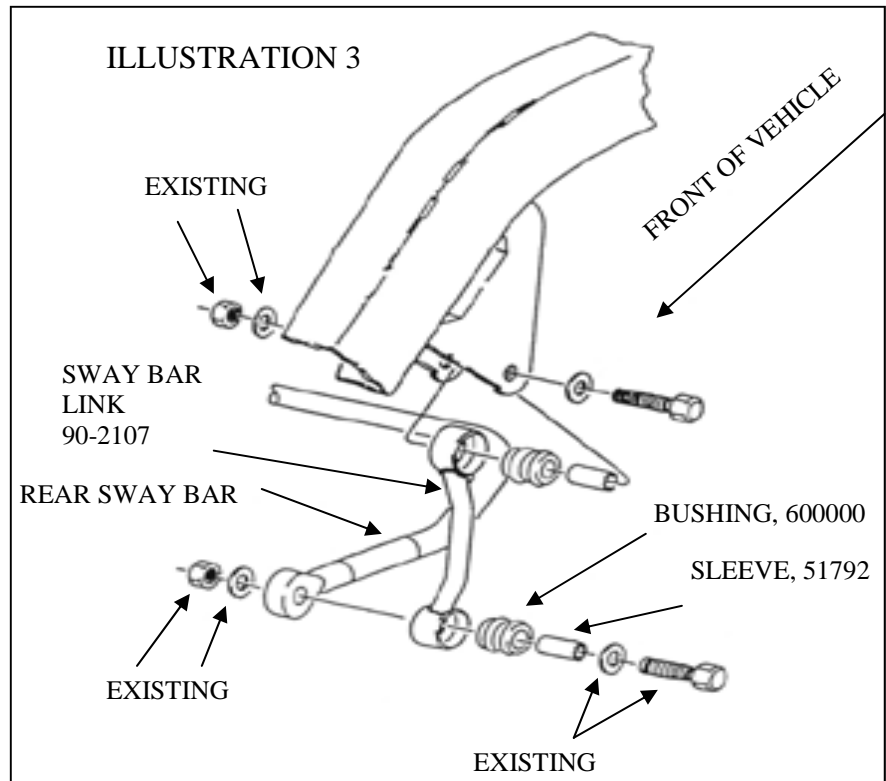


low clearance for crossmember removal. With the crossmember out of the way, the torsion bars can be dislodged from the lower control arms and removed. Mark or separate the bars. They must be reinstalled on the same side and directions.

5) Use existing hardware and polyurethane bushing, with sleeve provided. Assemble torsion crossmember mounting bracket (90-1206/driver) and (90-1207/passenger) to the torsion crossmember as shown in ILLUSTRATION 2.

6) Insert torsion bars into lower control arms. The bar's rear facing ends are now hanging. This step is a two man operation. Balance the torsion crossmember bracket assembly on a floor jack and raise it to mate with the hanging bar ends. Now locate the adjuster arms inside the crossmember and into the bar ends.

7) Load the torsion bars, reversing the sequence on INSTRUCTION 2. Again, be very careful. Tighten until arms are just clearing nut blocks.



8) Locate torsion crossmember mounting brackets on truck frame utilizing rear existing hole location as shown in ILLUSTRATION 1. Using the bracket as a guide mark, drill 9/16" holes in the forward top and bottom hole locations. Fasten using the hardware provided. Torque to 90 ft./lbs.

9) Install the sway bar link (90-2107) as shown in ILLUSTRATION 3. Torque existing hardware to 33 ft./lbs.

**AFTER INSTALLATION IS COMPLETE:**

⇒ Recheck and tighten/torque all fasteners.

⇒ Recheck brake/steering systems. Be sure all hoses are long enough. Make sure there are no clearance/binding problems.

⇒ Using the brake line hose kit (90-6029), position brake lines so they do not make contact with any moving parts. Hoses must be able to slide unrestricted through the grommets provided.

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

<b>Bolt Torque and ID</b>						
<b>Decimal System</b>			<b>Metric System</b>			
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 warranties 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.

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<u>PLACE</u>
<u>WARRANTY REGISTRATION</u>
<u>NUMBER</u>
<u>HERE:</u> _____