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PRO COMP SUSPENSION

Suspension Systems that Work!

NOTE: This kit is to be used in conjunction with Pro Comp Lift Kits 57096, 57096MX, 57396 & 57396MX Only!

**Part #
57091
2005-2009
Toyota Tacoma
2WD & 4WD
Transmission
Crossmember 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. | Page |
|----------------|---|------|--------|------|
| 91-5317 | TRANSMISSION CROSSMEMBER | 1 | 1 | 4 |
| 90-6671 | HARDWARE PACK: Compression Strut | 1 | - | - |
| 90-5321 | NUT PLATE | 2 | 1,2 | 4,5 |
| 90-6672 | HARDWARE PACK: Shield Bracket & Loop | 1 | - | - |
| 70-0311001800 | 5/16" X 1" HEX BOLT GR 8 | 3 | 1 | 4 |
| 73-03100030 | 5/16" USS FLAT WASHER | 3 | 1 | 4 |
| 91-5323 | CARRIER BEARING DROP BRACKET | 2 | 4 | 6 |
| 90-6673 | HARDWARE PACK: Carrier Bearing Drop | 1 | - | - |
| 70-0431251800 | 7/16" X 1 1/4" GR. 8 HEX BOLT | 2 | 4 | 6 |
| 73-04300034 | 7/16" HARDENED FLAT WASHER | 4 | 4 | 6 |
| 72-04300100816 | 7/16" GR. 8 STOVER NUT | 2 | 4 | 6 |
| 91-5362 | TRANSMISSION BRACKET: 2WD Only | 1 | 2 | 5 |
| 90-6678 | HARDWARE PACK: Transmission Bracket-2WD Only | 1 | - | - |
| 70-0434501800 | 7/16" X 4 1/2" GR. 8 HEX BOLT | 2 | 2 | 5 |
| 73-04300034 | 7/16" HARDENED FLAT WASHER | 4 | 2 | 5 |
| 72-04300100816 | 7/16" GR. 8 STOVER NUT | 2 | 2 | 5 |
| 90-6299 | HARDWARE PACK: Crossmember Side Braces | 2 | - | - |
| 70-0311001800 | 5/16" X 1" HEX BOLT GR. 8 | 2 | 3 | 5 |
| 73-03100034 | 5/16" HARDENED FLAT WASHER | 4 | 3 | 5 |
| 72-0531100816 | 5/16" NYLOCK NUT- Not Used | 2 | 3 | 5 |

Optional Equipment Available from your Pro Comp Distributor!

Coil Over Add-on Kit: 57097MX

Traction Bars: 72500B

Mounting kit: 72083B

Skid Plate: 57196

Light Bar: 25000

CV Style Driveshaft: 57098

Add-A-Leaf Kit: 13129

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 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 arms. 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.***

Please Note:

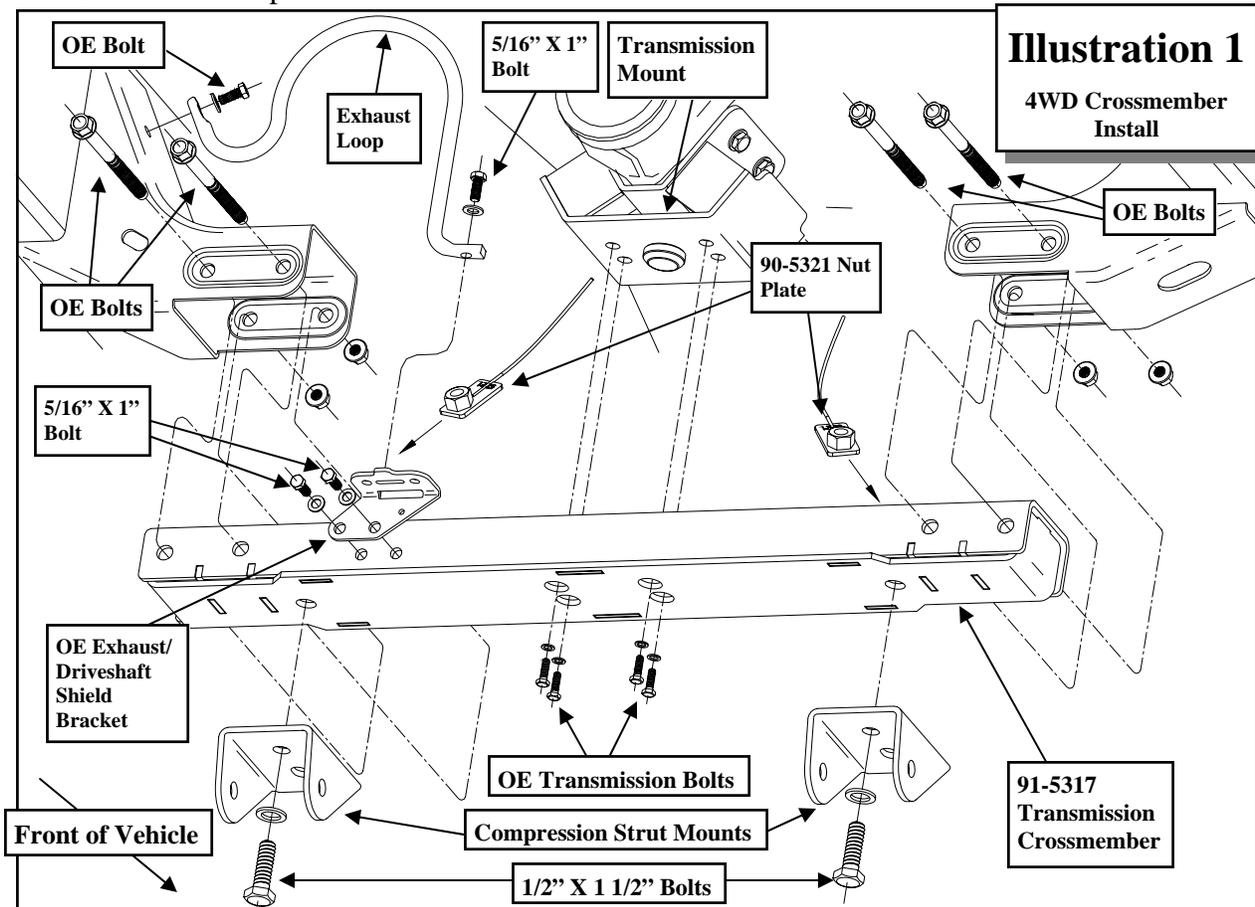
- ⇒ Front suspension and head light realignment is necessary!
- ⇒ Speedometer and ABS recalibration will be necessary if larger tires (10% more than stock diameter) are installed.
- ⇒ **IT IS ADVISABLE THAT YOU HAVE HELP AVAILABLE WHEN INSTALLING THIS KIT. SOME COMPONENTS ARE HEAVY AND AWKWARD. AN ADDITIONAL SET OF HANDS IS GOOD INSURANCE AGAINST INJURY!**

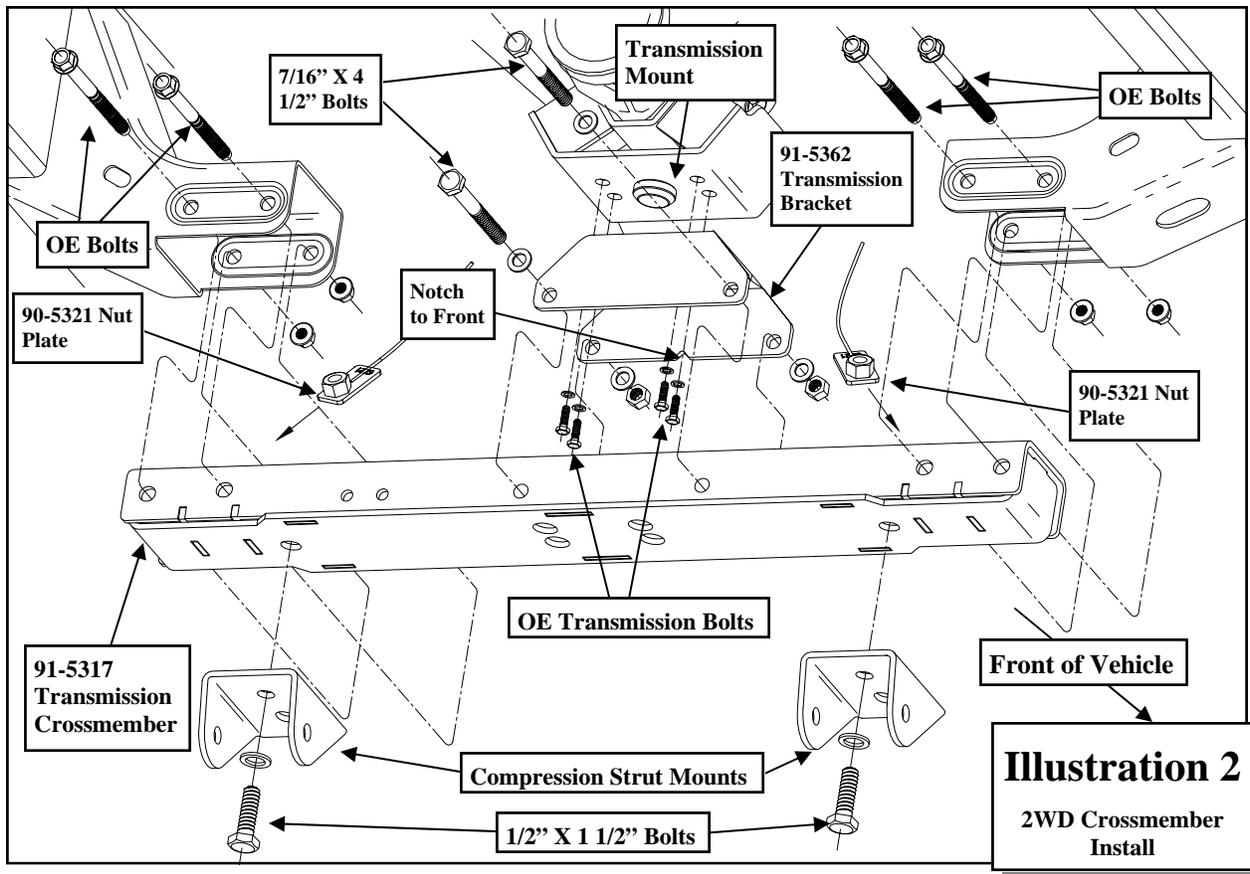
Installation Instructions:

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. Using a floor jack support the transmission tail shaft.
3. Unbolt the transmission crossmember side braces if vehicle is so equipped. Save braces and hardware for reinstallation.
4. Unbolt the exhaust heat shield from the vehicle if vehicle is so equipped. Save for reinstallation.
5. Unbolt the exhaust loop from the crossmember if vehicle is so equipped.
6. Unbolt the compression struts from the compression strut brackets. Save hardware for reinstallation.
7. Unbolt the compression strut brackets
8. from the transmission crossmember. Save the bolts and washers, but discard the old nut plates.
9. Unbolt the (4) bolts attaching the transmission to the crossmember. Save the hardware for reinstallation.
10. Unbolt the (4) bolts attaching the transmission crossmember to the frame rails and remove the crossmember from the vehicle.
11. Install the previously removed compression strut brackets to the new crossmember (90-5317) using the previously removed 1/2" X 1 1/2" bolts, washers and new supplied nut plates (90-5321). See ILLUSTRATION 1.

4WD Installation Steps:

11. Raise the transmission crossmember (90-5317) into place and line up the holes in





the crossmember with the **OE** holes in the frame. Secure using the previously removed **OE** bolts and hardware. See ILLUSTRATION 1.

12. Secure the transmission to the crossmember using the previously removed **OE** bolts. See ILLUSTRATION 1.
13. Reinstall the exhaust/driveshaft shield bracket to the crossmember (**90-5317**) using the (2) supplied **5/16\"**
14. Reinstall the exhaust loop to the crossmember (**90-5317**) using the supplied **5/16\"**
15. Torque the crossmember bolts to **30** ft./lbs. Torque the transmission mount bolts to **14** ft./lbs.

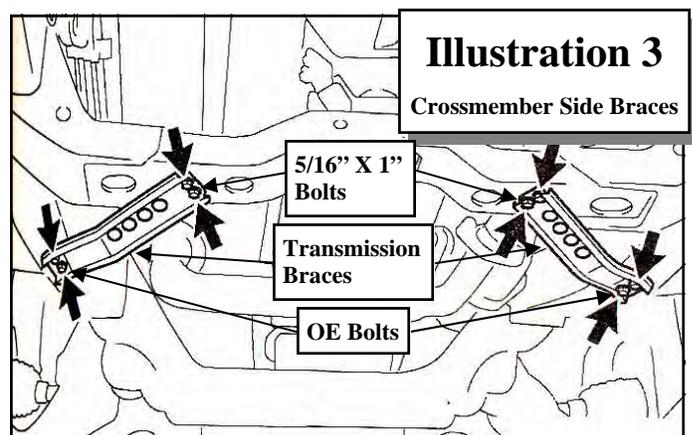
2WD Installation Steps:

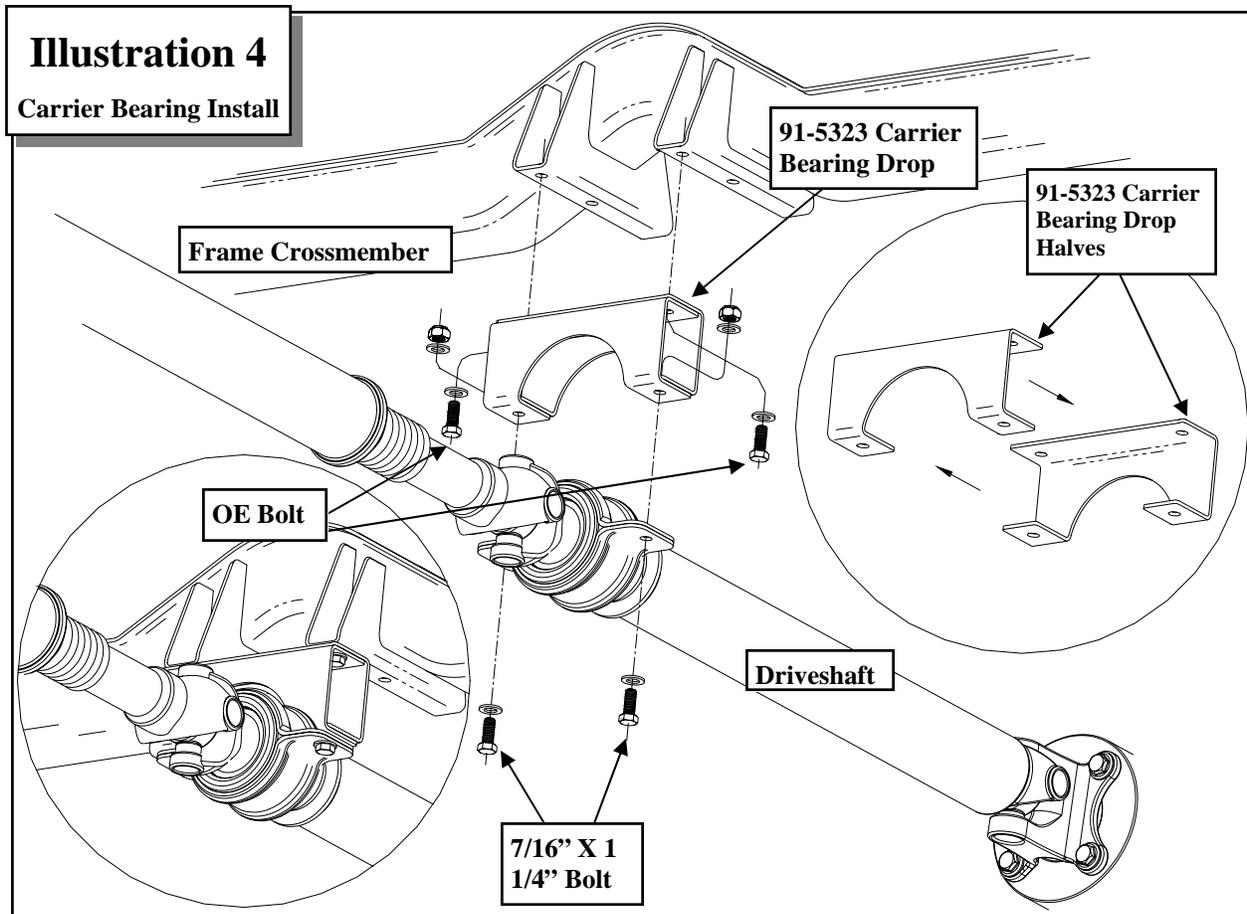
16. Install the transmission bracket (**90-5362**)

to the transmission using the previously removed **OE** transmission bolts and hardware. Torque the transmission mount bolts to **14** ft./lbs. See ILLUSTRATION 2.

***NOTE:** The notch in the bracket will be facing toward the front of the vehicle.*

17. Raise the transmission crossmember (**90-5317**) into place and line up the holes in the crossmember with the **OE** holes in the





frame. Secure using the previously removed **OE** bolts and hardware. See ILLUSTRATION 2.

18. Secure the transmission bracket (**90-5362**) to the transmission crossmember (**90-5317**) using the supplied **7/16" X 4 1/2"** bolts and hardware. See ILLUSTRATION 2.
19. Torque the crossmember bolts to **30 ft./lbs.** Torque the **7/16"** transmission bracket bolts to **60 ft./lbs.**

For Both 2WD & 4WD Installations:

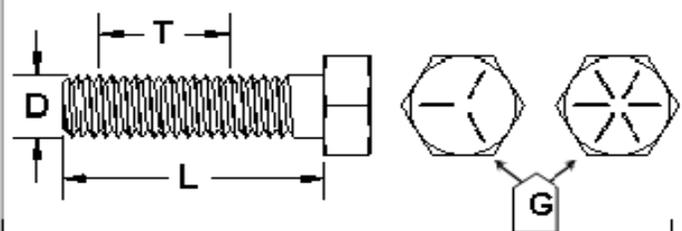
20. Reinstall the previously removed transmission crossmember side braces. Use the supplied **5/16" X 1"** bolts and hardware to secure the front of the braces to the new crossmember. Use the previously removed **OE** bolts to secure the rear of the braces to the frame. See ILLUSTRATION 3.
21. Reinstall the compression strut to the compression strut mount using the previously removed **1/2" X 4"** bolt and hardware.
22. Torque the transmission skid plate, exhaust loop, and driveshaft/exhaust shield bracket and compression strut hardware according to the torque on page 7.
23. Unbolt the rear driveshaft carrier bearing from the frame. Insert the carrier bearing spacer bracket (**90-5323**) between the frame and the bearing housing. See ILLUSTRATION 4.
24. Secure the spacer bracket (**90-5323**) to the frame using the previously removed **OE** bolts. Secure the carrier bearing to the spacer bracket using the supplied **7/16" X 1 1/4"** bolts and hardware. See ILLUSTRATION 4.

NOTES:

- ⇒ 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.

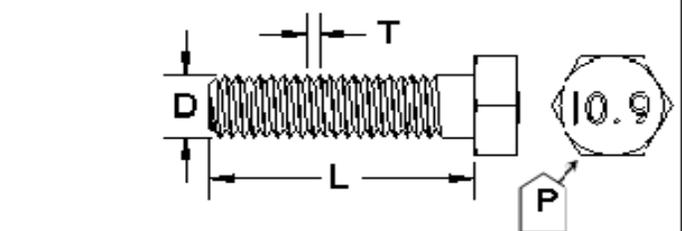
| Bolt Torque and ID | | | | | | | |
|--|----------------|----------------|------------------|----------------------|-------------------|-------------------|--|
| Decimal System | | | | Metric System | | | |
| All Torques in Ft. Lbs Maximums | | | | | | | |
| Bolt Size | Grade 5 | Grade 8 | Bolt Size | 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.

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.

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|------------------------------|
| PLACE |
| WARRANTY REGISTRATION |
| NUMBER |
| HERE: _____ |