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## PRO COMP SUSPENSION

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*Suspension Systems that Work!*

**Part # 24700  
2WD & 4WD  
Ford F-150 Light  
Bar 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.

**Parts List:**

Part #	Description	Qty.	Illus.	Page
92-2733	FORD F150 LIGHT BAR	1		
90-3907	2WD LIGHT BAR MOUNT BRACKET: DRVR	1		
90-3908	2WD LIGHT BAR MOUNT BRACKET: PASS	1		
90-3910	4WD LIGHT BAR MOUNT BRACKET: DRVR	1		
90-3911	4WD LIGHT BAR MOUNT BRACKET: PASS	1		
<b>90-6542</b>	<b>HARDWARE PACK: Mount Bracket</b>	<b>1</b>	<b>-</b>	<b>-</b>
70-371501806	3/8" X 1 1/2" ALLEN HEAD BOLT	4		
73-03700830	3/8" FLAT WASHER	4		
72-037100812	3/8" NYLOCK NUTS	4		
<b>90-6223</b>	<b>HARDWARE PACK: Sway Bar</b>	<b>1</b>	<b>-</b>	<b>-</b>
70-0371251800	3/8" X 1 1/4" GRADE 8 HEXBOLT (2 not used)	4		
72-037100816	3/8" USS STOVER NUT	4		
73-03700034	3/8" SAE GRADE 8 WASHER	8		

***This item is designed as a decorative accessory item. It is not designed as a replacement bumper. It is not intended to provide additional vehicle safety or protection.***

**BEFORE YOU BEGIN:**

- Read instructions and study the illustrations before attempting installation. Separate parts according to the areas where they will be used. Placing the hardware with the brackets before you begin will save installation time.
- Check the parts and hardware against the parts list to assure that your kit is
- Always wear safety glasses when using power tools.

## BEFORE YOU BEGIN:

- ◆ **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.*

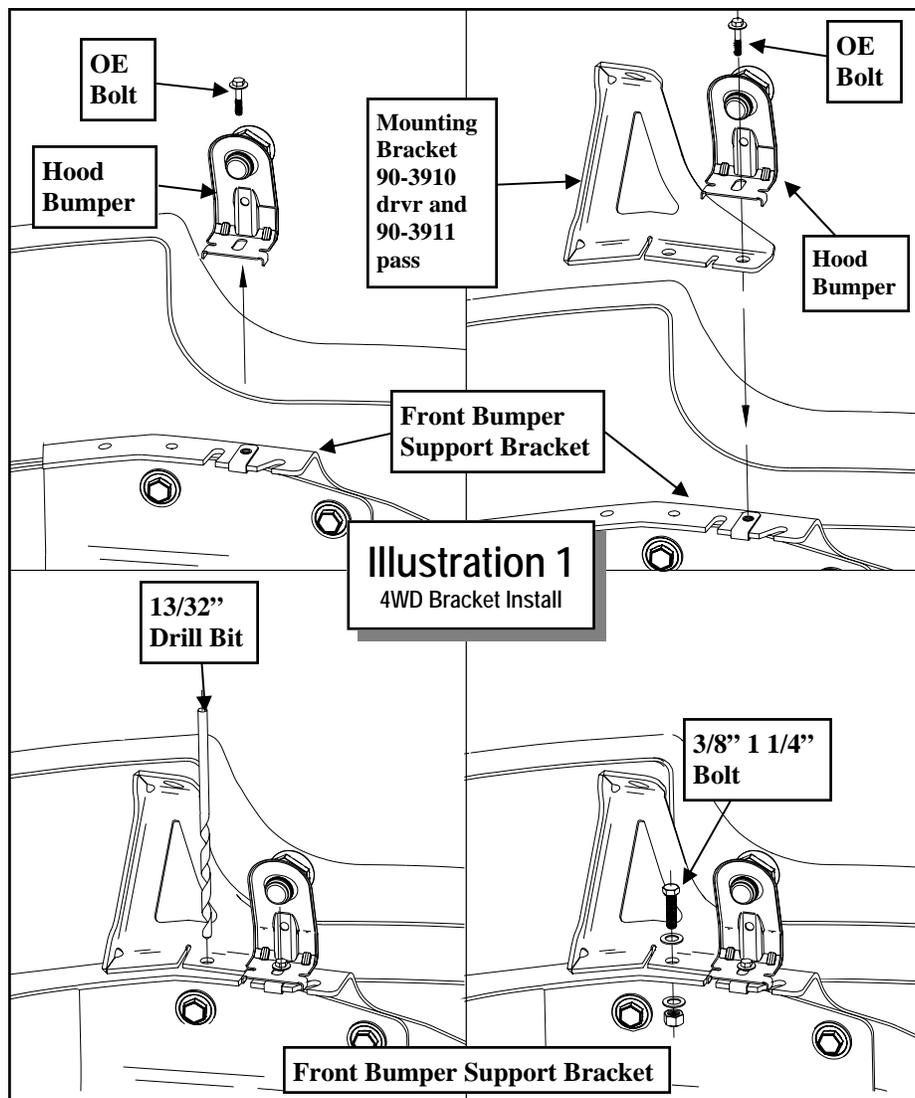
### Equipment Available from your Pro Comp Distributor!

Skid plates:	52104 (4WD)
Traction Bars (Extra cab):	Mounting kit: 72095, Bars: 72500
Traction bars (Super Crew cab):	Mounting kit: 72096, Bars: 72500
Coil over upgrade kit:	52206MX (4WD), 52206MX (2WD)
Add a leaf kit:	13134
Rear end shim kit:	52700
MX-6 Rear shock:	MX6009 (4WD), MX6079 (2WD)
MX-6R Reservoir Rear shock:	MX6068R (4WD), MX6066R (2WD)
MX-6R Reservoir Mounting Kit:	63012 and 63013

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

## 4WD 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. Open the hood of the vehicle.
2. Unbolt the lower hood bumper brackets from the front bumper support brace. Save the brackets and bolts for reinstallation.
3. Secure the mounting bracket (**90-3910 drvr** and **90-3911 pass**) into the hood bumper bracket hole in the front bumper support bracket. The tall side of the bracket will be toward the outside of the vehicle. The bracket will also lean toward the front of the vehicle. See ILLUSTRATION 1.
4. Using the remaining hole in the mounting brackets as a guide, mark and center punch the front bumper support brace holes for drilling.
5. Drill the (2) previously applied marks on the front bumper support brace using a **13/32"** drill bit. See ILLUSTRATION 1.
6. Install the (2) **3/8" X 1 1/4"** bolts and hardware to the outer holes and secure. See ILLUSTRATION 1.
7. Using the upper holes in the tall portion of the bracket as a guide mark the back of the front bumper for drilling. See ILLUSTRATION 2.
8. Center punch and drill the previously made marks on the top of the bumper us-



ing a  $13/32$ " drill bit.

**NOTE: Removing the headlight assemblies may make it easier to drill.**

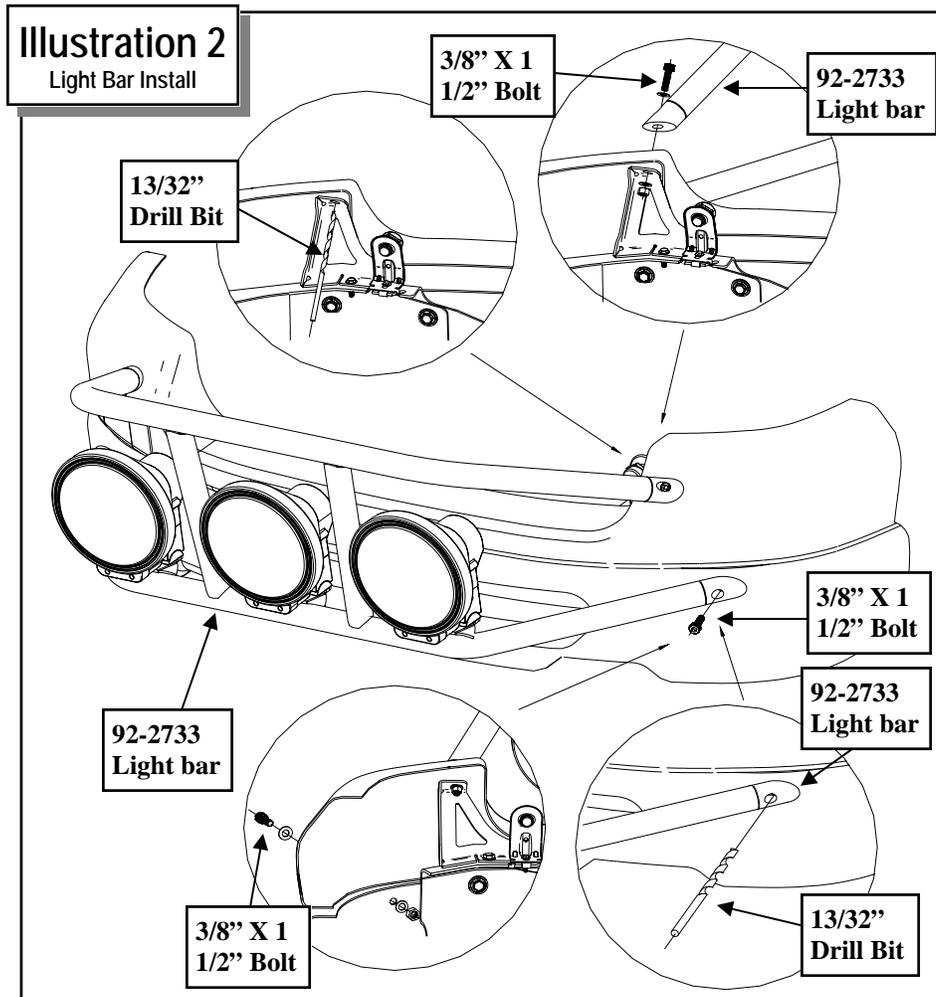
9. Carefully raise the light bar (92-2733) position over the upper mounting holes on the bumper and the mounting brackets (90-3910 *drv*r and 90-3911 *pass*). Secure using the provided  $3/8$ " X  $1\ 1/2$ " and hardware, but do not tighten at this time. See ILLUSTRATION 2.
10. Carefully center the light bar on the front bumper of the truck. Use the lower mounting holes in the light bar as a guide and mark the bumper for drilling. See ILLUSTRATION 2.
11. Center punch and drill the previously applied marks on the bumper using a  $13/32$ " drill bit. See ILLUSTRATION 2.
12. Secure the lower light bar mounts to the

bumper using the provided  $3/8$ " X  $1\ 1/2$ " Allen head bolts and hardware. See ILLUSTRATION 2.

13. Tighten and torque all the light bar hardware according to the torque chart on page 8 at this time.
14. Install the lights (*Purchased Separately*) to the bar at this time using the instructions and hardware provided with the lights.

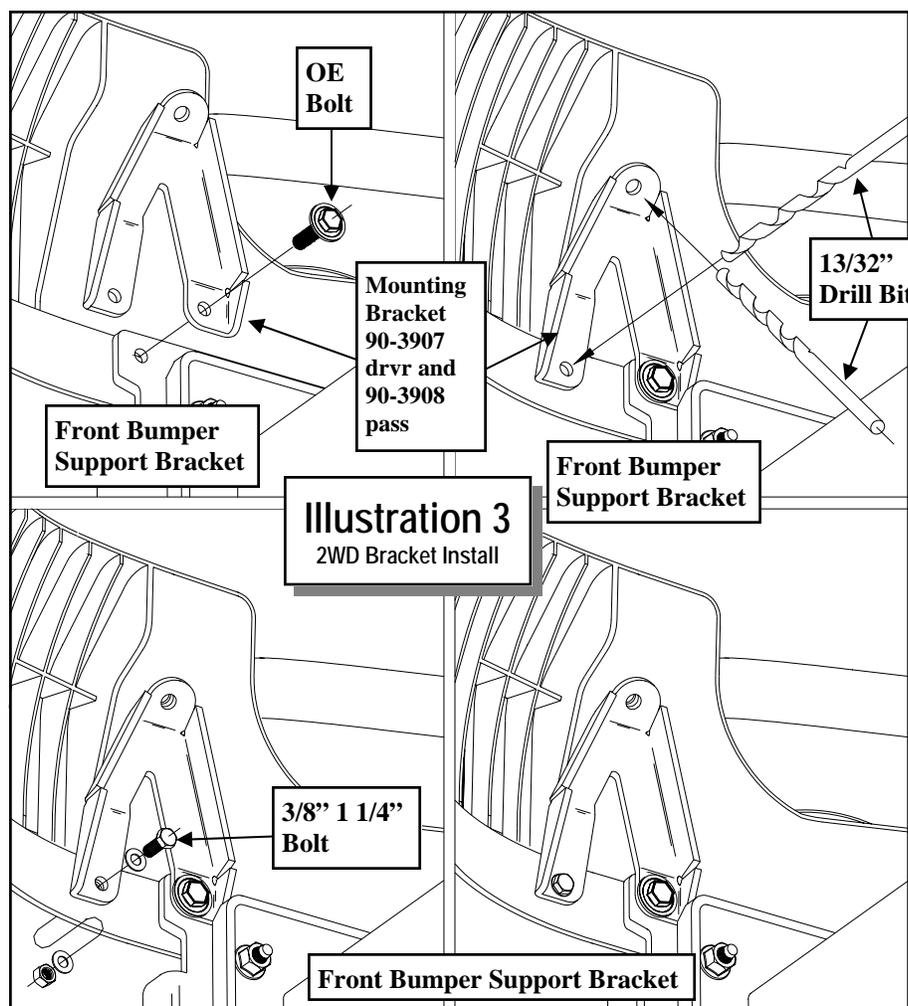
**NOTES:**

- ⇒ **After 100 miles recheck for proper torque on all newly installed hardware.**
- ⇒ **Recheck all hardware for tightness after off road use.**



## 2WD 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. Open the hood of the vehicle.
2. Remove the **OE** front bumper bolt from the front bumper support brace.
3. Secure the mounting bracket (**90-3907 drvr** and **90-3908 pass**) into the bumper bolt hole in the front bumper support brace using the previously removed **OE** bolt. The bracket will also lean toward the front of the vehicle. See ILLUSTRATION 3.
4. Install the (2) **3/8" X 1 1/4"** bolts and hardware to the remaining empty holes and secure. See ILLUSTRATION 3.
5. Using the upper holes in the tall portion of the bracket as a guide mark the back of the front bumper for drilling.
6. Center punch and drill the previously made marks on the top of the bumper using a **13/32"** drill bit. See ILLUSTRATION 3.  
*NOTE: Removing the headlight assemblies may make it easier to drill.*
7. Carefully raise the light bar (**92-2733**) into position and guide the bar into position over the upper mounting holes on the bumper and the mounting brackets (**90-3907 drvr** and **90-3908 pass**). Secure using the provided **3/8" X 1 1/2"** and hardware, but do not tighten at this time. See ILLUSTRATION 4.
8. Carefully center the light bar on the front bumper of the truck. Use the lower mounting holes in the light bar as a guide

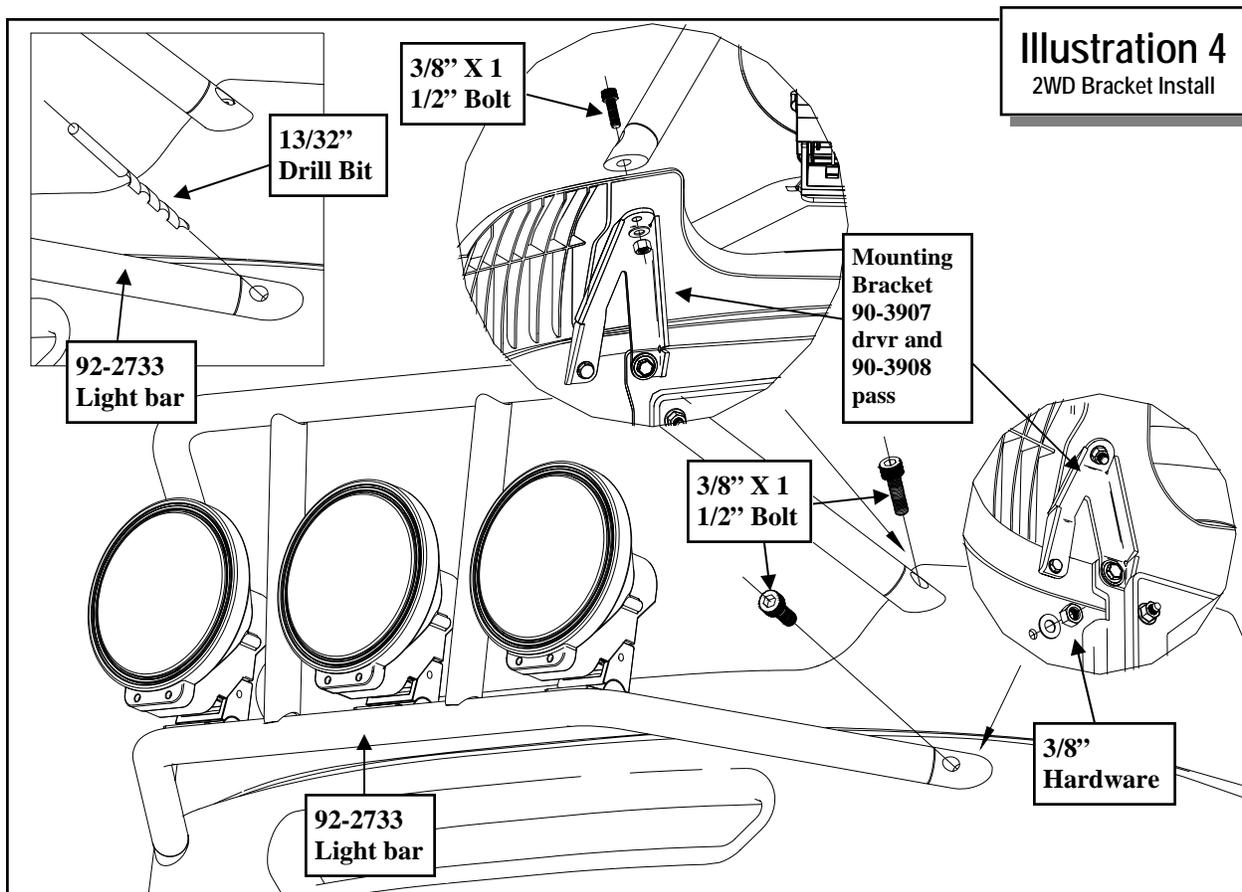


and mark the bumper for drilling. See ILLUSTRATION 4.

9. Center punch and drill the previously applied marks on the bumper using a  $13/32$ " drill bit. See ILLUSTRATION 4.
10. Secure the lower light bar mounts to the bumper using the provided  $3/8$ " X  $1\ 1/2$ " Allen head bolts and hardware. See ILLUSTRATION 4.
11. Tighten and torque all the light bar hardware according to the torque chart on page 8 at this time.
12. Install the lights (*Purchased Separately*) to the bar at this time using the instructions and hardware provided with the lights.

**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.

<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 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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Fax: (619) 216-1474  
Ph: (619) 216-1444

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