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**Latest Revision**

**Date:  
8.6.14**



**off-road driven!™**

**PRO COMP SUSPENSION**

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**55801B**

**K3100B**

**2007-2014 JEEP JK 4 Door 2wd/4wd 3 1/2" Basic Coil Spring Lift Kit**

**55802B**

**K3102B**

**2007-2014 JEEP JK 2 Door 2wd/4wd 3 1/2" Basic Coil Spring Lift 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**

<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
<b>K3100B</b>		
926511	FRONT SHOCK	2
926501	REAR SHOCK	2
<b>55801B</b>	<b>JEEP JK 4-DOOR 3.5" KIT:</b>	
55358-1	FRONT COIL SPRING	2
55359-1	REAR COIL SPRING	2
91-8282	STANDARD FRONT TRACK BAR	1
90-4532	HIGH-MISALIGNMENT SPACERS	2
91-8283	REAR ADJUSTABLE TRACK BAR	1
90-4532	HIGH-MISALIGNMENT SPACERS	2
12127	SHOCK BOOT PAIR	2
<b>90-6898B</b>	<b>90-6898B</b>	
90-6525	<b>HARDWARE PACK: Front/Rear Brake Line Brackets</b>	1
25C100HCS8Y	1/4"-20 X 1 HEX BOLT GR. 8 4 1,3 5,7	4
25CNUCZ	1/4"-20 STOVER NUT GR. C 4 1,3 5,7	4
25NWSAZ	1/4" SAE FLAT WASHER 8 1,3 5,7	8
10999	11" ZIP TIE: Black	4
90-4337	BRAKE LINE SLEEVING	2
90-7203	FRONT BRAKE LINE BRACKET: Drvr	1
90-7204	FRONT BRAKE LINE BRACKET: Pass	1
90-1083	REAR BRAKE LINE DROP	2
90-1539	BRAKE LINE EXTENSION BRACKET	2
<b>90-6919</b>	<b>HARDWARE PACK: Rear Sway Bar Link</b>	1
91-8012	REAR SWAY BAR LINK	2
45359	5/8" RUBBER HOURGLASS BUSHING	4
51792	SLEEVE: 5/8" X 1/2" X 1.37"	4
<b>90-6526</b>	<b>HARDWARE PACK: Rear Sway Bar End Links</b>	1
.120C600HCS1Y	12mm-1.75 X 60mm HEX BOLT Gr. 10.9	4
.120CNUCZ	12mm-1.75 STOVER NUT Gr. C	4
.120NWHDY	12mm HARDENED FLAT WASHER	8
<b>OR</b>		
<b>K3102B</b>		
926511	FRONT SHOCK	2
926501	REAR SHOCK	2
<b>55802B</b>	<b>JEEP JK 2-DOOR 3.5" KIT:</b>	
55350-1	FRONT COIL SPRING	2

<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
55351-1	REAR COIL SPRING	2
91-8282	STANDARD FRONT TRACK BAR	1
90-4532	HIGH-MISALIGNMENT SPACERS	2
91-8283	REAR ADJUSTABLE TRACK BAR	1
90-4532	HIGH-MISALIGNMENT SPACERS	2
12127	SHOCK BOOT PAIR	2
<b>90-6898B</b>	<b>90-6898B</b>	
90-6525	<b>HARDWARE PACK: Front/Rear Brake Line Brackets</b>	1
25C100HCS8Y	1/4"-20 X 1 HEX BOLT GR. 8 4 1,3 5,7	4
25CNUCZ	1/4"-20 STOVER NUT GR. C 4 1,3 5,7	4
25NWSAZ	1/4" SAE FLAT WASHER 8 1,3 5,7	8
10999	11" ZIP TIE: Black	4
90-4337	BRAKE LINE SLEEVING	2
90-7203	FRONT BRAKE LINE BRACKET: Drvr	1
90-7204	FRONT BRAKE LINE BRACKET: Pass	1
90-1083	REAR BRAKE LINE DROP	2
90-1539	BRAKE LINE EXTENSION BRACKET	2
<b>90-6919</b>	<b>HARDWARE PACK: Rear Sway Bar Link</b>	1
91-8012	REAR SWAY BAR LINK	2
45359	5/8" RUBBER HOURGLASS BUSHING	4
51792	SLEEVE: 5/8" X 1/2" X 1.37"	4
<b>90-6526</b>	<b>HARDWARE PACK: Rear Sway Bar End Links</b>	1
.120C600HCS1Y	12mm-1.75 X 60mm HEX BOLT Gr. 10.9	4
.120CNUCZ	12mm-1.75 STOVER NUT Gr. C	4
.120NWHDY	12mm HARDENED FLAT WASHER	8

## 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.**

### Optional Equipment Available from your Pro Comp Distributor!

#### 2007-2014:

55747B: JEEP (JK) STAGE 3 SUSPENSION 6" LONG ARM LIFT KIT

23700B: JK LIGHT BAR

20-65227: FRONT ARM CAMS:

20-65228: REAR ARM CAMS

#### REPLACEMENT PARTS:

KMX-L12: ROD END, 3/4" X 3/4" LH

SJNL12: 3/4" STEEL L.H. JAM NUT

90-60010 HARWARE PACK: TRACK BAR BUSHINGS

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.

LF: \_\_\_\_\_ RF: \_\_\_\_\_

LR: \_\_\_\_\_ RR: \_\_\_\_\_

2. Measure and record the distance from the center of each wheel to the top of its fender opening. Record below.
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. Unbolt and remove the front and rear sway bar end links. Secure the bars up out of the work area. Save the rear links and all hardware for reuse.
5. Remove the shocks on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
6. Unbolt the front track bar from the vehi-

cle. Save the hardware for reinstallation.

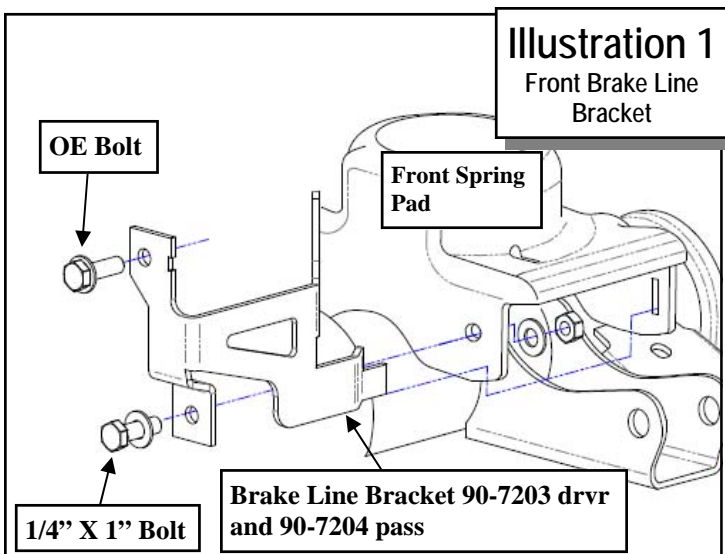
7. Unbolt the all the ABS mounting clips from the vehicle.
8. Unbolt the front brake line brackets and unclip it from the spring pad. Save the hardware for reinstallation.
9. Lower the front axle enough to remove the coil springs from the front spring pockets. Save the factory isolators for reuse.

**NOTE: Be sure to support the axle while the springs and shocks are removed.**

10. Install the front brake line drop (90-1539) into the original frame mounting hole using the previously removed OE bolt.
11. Secure the brake line to the supplied drop bracket (90-1539) using the supplied 1/4"-20 X 1" bolt and hardware from pack (90-6525).
12. Carefully lower the front axle to ease in the new front coil spring installation. Using the factory isolators install the Pro Comp coil springs (55358-2 4-door OR 55350-1 2-door) into the spring buckets and raise the front axle into place. Make sure the front coil spring seats properly on the lower spring perch.

### **STEPS 13 through 15 are for 2011-2014 models!**

13. Install the front brake line brackets (90-7203 drv'r and 90-7204 pass) to the front spring pads and secure using the provided 1/4" X 1" bolts and hardware. See ILLUSTRATION 1.
14. Secure the OE brake line brackets to the new brackets using the previously removed OE hardware. See ILLUSTRATION 1.
15. Remove the retaining clips that retain the ABS wire to the OE brackets. Wrap the



**OE** ABS lines with the provided protective sleeves (**90-4337**) and secure with the supplied zip ties (**10999**).

16. Install the previously removed **OE** rear sway bar end link into the front sway bar mounting bracket on the front axle using the previously removed **OE** hardware.
17. Bolt the remaining end of the **OE** rear sway bar end link to the front sway bar using the **OE** hardware. Torque the **OE** hardware according to the manufacturers specifications.
18. Install the shock boots (**12127**) onto the stem of the shock. Install your new front shocks (**926511 w/shaft end up**) using the **OE** hardware. Torque the upper mounting hardware to 17 ft./lbs. and the lower to **35** ft./lbs.
19. On both sides of the vehicle, check the routing of the brake lines and the ABS wire harnesses. There must be no pinching, rubbing, or stretching of either component. At full droop, cycle the steering from lock to lock while observing the reaction of these components. Reposition them if needed.

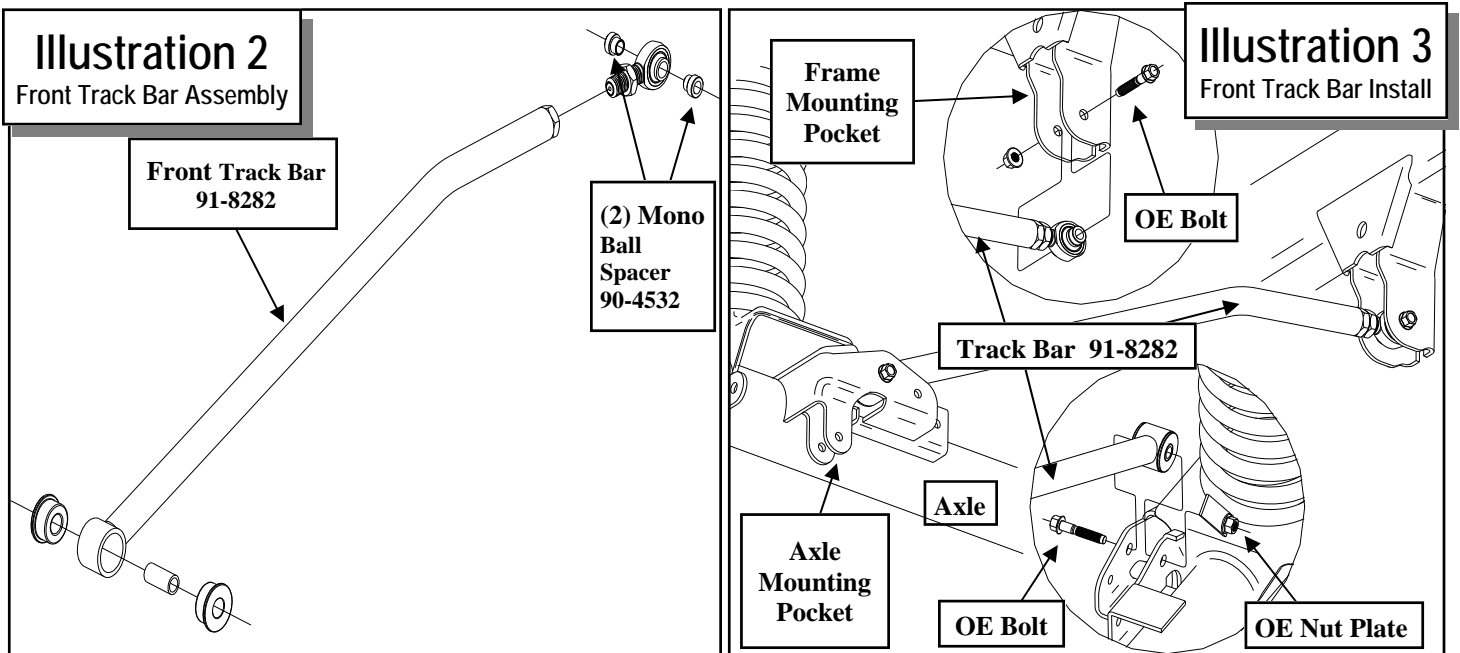
20. Reinstall the front wheels and lower the vehicle to the ground. Torque the lug nuts according to the wheel manufacturers recommendations.

21. Insert the high-misalignment spacers (**90-4532**) into the front track bar (**91-8282**) rod end. See ILLUSTRATION 2.

**NOTE: The spacers are a tight fit. A press might be needed to fit the spacers into the rod end.**

22. Install the bushing end of the track bar assembly (**91-8282**) into the passenger side axle track bar mount using the **OE** hardware. Torque this bolt to **103** ft./lbs. See ILLUSTRATION 3.

23. The driver side track bar rod end and mounting bolt will be installed and final adjustments will be made during the rear installation, step 18.



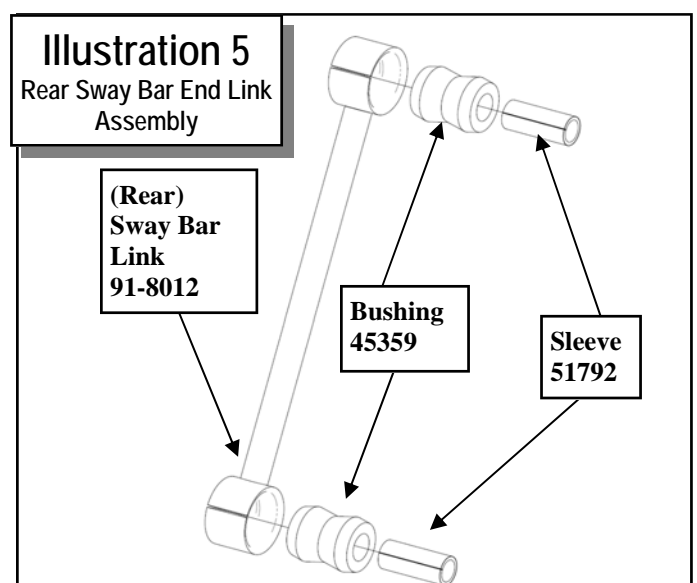
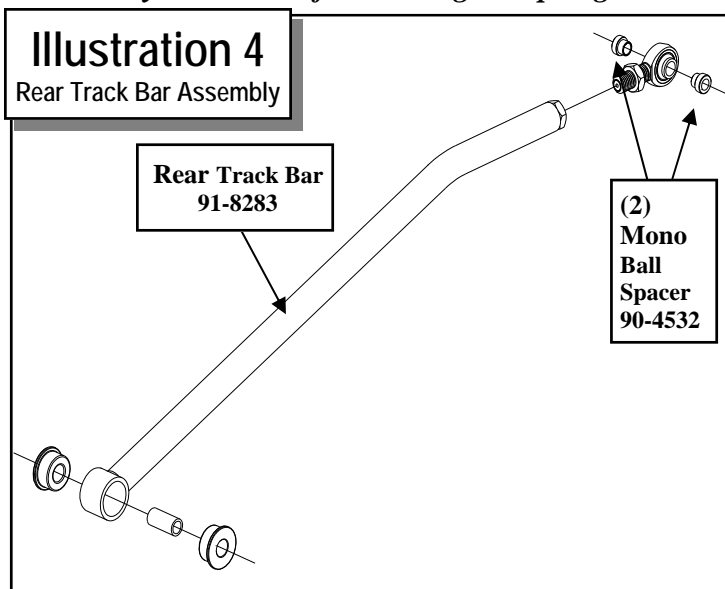
## REAR INSTALLATION:

1. Block the front tires and raise the rear of the vehicle. Support the frame with jack stands forward of the rear springs.
2. Remove the rear wheels.
3. Unbolt the rear track bar from the vehicle. Save the hardware for reinstallation.
4. Unbolt the rear brake line bracket from the vehicle. Save the **OE** hardware for reinstallation.
5. Remove the shocks on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
6. Lower the rear axle enough to remove the coil springs from the rear spring pockets. Save the factory isolators for re-use.  
**NOTE: Be sure to support the axle while the springs and shocks are removed.**
7. Carefully lower the rear axle to ease in the new rear coil spring installation. Using the factory isolators install the Pro Comp rear coil springs (**55359-2 4-door OR 55351-1 2-door**) into the spring buckets and raise the rear axle into place. Make sure the coil spring seats properly on the lower spring perch.

**NOTE: Be sure to reinstall the factory isolators before raising the springs into**

*place.*

8. Assemble the rear sway bar end links (**91-8012**) using the supplied bushings (**45359**) and sleeves (**51792**) from hardware pack (**90-6919**). See ILLUSTRATION 5.
9. Install the rear sway bar end link (**91-8012**) into original mounting bracket on the axle using the supplied **12mm X 60mm** bolts and hardware.
10. Bolt the remaining end of the sway bar end link to the rear sway bar using the supplied **12mm X 60mm** bolts and hardware. Torque the **12mm** hardware to **75** ft./lbs.
11. Install the shock boots (**12127**) onto the stem of the shock. Install your new rear shocks (**926501 w/shaft end up**) using the **OE** hardware. Torque the upper mounting hardware to **20** ft./lbs. and the lower to **35** ft./lbs.
12. Install the rear brake line brackets (**90-1083**) to the original mounting holes and secure using the previously removed **OE** bolt.
13. Secure the **OE** brake line brackets to the new brackets using provided **1/4" X 1"** bolts and hardware from pack (**90-6525**).
14. On both sides of the vehicle, check the



routing of the brake lines and the ABS wire harnesses. There must be no pinching, rubbing, or stretching of either component. Reposition them if needed.

**NOTE: Recheck all lines at full droop**

15. Reinstall the rear wheels and lower the vehicle to the ground. Torque the lug nuts according to the wheel manufacturers recommendations.
16. Insert the high-misalignment spacers (**90-4532**) into the rear track bar (**91-8283**) rod end. See ILLUSTRATION 4.

**NOTE: The spacers are a tight fit. A press might be needed to fit the spacers into the rod end.**

17. Install the bushing end of the track bar assembly (**91-8283**) into the driver side axle track bar mount using the previously removed **OE** hardware. Torque this bolt to **103** ft. lbs.
18. With the vehicle fully on the ground, center the front and rear differential to the vehicle chassis by measuring the clearance between each tire and inner fender. This is easier done with assistance. Moving the steering wheel back and forth will assist in connecting the front track bar. When the axles are centered, screw the rod ends in or out until the **OE** bolts fit through the frame mount holes and the

holes in the rod ends with ease. Secure using the **OE** nut plate. Torque the bolts to **125** ft./lbs.

19. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt).
20. Drive the vehicle forward and backward a few feet to be sure that the axle is adjusted properly and the vehicle is tracking in a straight line.
21. Unlock the ignition key and loosen the drag link adjustment collar.

Center the steering wheel by rotating the drag link counter clockwise until the steering wheel is centered. Re-torque the drag link adjustment collars to **26** ft./lbs.

**IMPORTANT!: If the steering wheel is not centered properly it will trigger the anti-lock brake and traction control warning lights.**

#### **NOTES:**

- ⇒ **On completion of the installation, have the suspension and headlights re-aligned.**
- ⇒ **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

<p>1/2-13x1.75 HHCS</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">D</div> <div style="border: 1px solid black; padding: 2px;">T</div> <div style="border: 1px solid black; padding: 2px;">L</div> <div style="border: 1px solid black; padding: 2px;">X</div> </div>	<p>M12-1.25x50 HHCS</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">D</div> <div style="border: 1px solid black; padding: 2px;">T</div> <div style="border: 1px solid black; padding: 2px;">L</div> <div style="border: 1px solid black; padding: 2px;">X</div> </div>
<p><b>Grade 5    Grade 8</b>                  (No. of Marks + 2)</p>	
<p>G = Grade (Bolt Strength)                  D = Nominal Diameter (Inches)                  T = Thread Count (Threads per Inch)                  L = Length (Inches)                  X = Description (Hex Head Cap Screw)</p>	<p>P = Property Class (Bolt Strength)                  D = Nominal Diameter (Millimeters)                  T = Thread Pitch (Thread Width, mm)                  L = Length (Millimeters)                  X = Description (Hex Head Cap Screw)</p>

### **Revision Page:**

**3.20.14:** Changed step 17, pg. 8 to read driver.

**7.8.14:** Changed rear sway bar end link PN 91-2009 to 91-8012 . Edited options box. Modified note on pg. 4 and step 18. Consolidated front and rear track bar adjustment to rear install step 18. Updated kit fitment to include 2014.

**8.6.14:** Added 55802/K3102B info to cover, BOM, and text.



## The PRO COMP PROMISE WARRANTY

At Pro Comp, we know you have many choices when selecting products to personalize your vehicle. You should demand nothing but the highest quality available and have total confidence that the products you selected are the best in the industry. It is for these reasons that Pro Comp Suspension products are backed by the best warranty in the industry...the Pro Comp Promise!

Pro Comp promises that its products will last a lifetime or we will replace it free of charge. It's that simple! Because of our commitment to quality and manufacturing excellence, we are able to stand behind our products. FOREVER. It is Pro Comp's Promise that if one of our suspension products breaks not due to misuse, neglect or vandalism, we will replace it. Whether you are the original purchaser or not, you can be assured that we will make it right. The Pro Comp Promise covers all suspension products including shocks and steering stabilizers. Buy Pro Comp Suspension today and enjoy it for the rest of your life!

That's our Pro Comp Promise!

### 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 that the Dealer / Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

#### Warranty and Return Policy:

Pro Comp warrants its full line of products to be free from defects in workmanship and materials for the life of the product. 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.

\* Finish after 90 days.

\* Damage caused as a result of not following recommendations or requirements called out in the installation manuals.

Pro Comp MX Series 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:** [info@procompusa.com](mailto:info@procompusa.com)  
**Website:** [www.procompusa.com](http://www.procompusa.com)  
**Fax:** (310) 747-3912  
**Ph:** 1-800-776-0767

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