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Latest Revision
7.22.2021



51070

K1176B/ K1176BP/ K1176T/ K1176M

**4" 2019 & Up Chevrolet Silverado Trail Boss 4WD and GMC
Sierra AT4 1500 4WD**

**W/OE Forged Aluminum Knuckles, Forged Aluminum Upper
Control Arms, and Stamped Steel Lower Control Arms**

This kit is to be installed on factory on equipped vehicles with RPO code Z7X (Trail Boss or AT4) ONLY. Installation of this kit on a standard height vehicle without the factory 2" suspension lift will result in suspension damage and may compromise safety of the vehicle.

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
	51070B-8			
91-20202	STRUT SPACER GM1500	2		
90-6317	HARDWARE PACK: 7/16-20 HEX NUT GR8 ZINC II 7/16 SPLT LW ZINC PLTD 7/16 FL WSHR SAE ZINC	1 6 6 6		
95-501	REAR KIT BLOCK 5" TAPER CAST 9/16" PIN	2		
13-90087	9/16"x 2.650" x 12.50" U-BOLT	4		
20-65302	U-BOLT HARDWARE PACK: 9/16"-18	1		
90-6068	HARDWARE PACK:	1		
97-380	LEAF SPRING CENTER PIN: 3/8" x 4/5"	2		
8337-1	3/8" CENTERBOLT NUT Gr.8	2		
31-44052	4.0 DEGREE SHIM: 2.5" WIDE	2		
	929505B (K1176T)			
929505B	SHOCKS	2		
	PR2001 (K1176M)			
PR2001	SHOCKS	2		

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 and performance of your Pro Comp equipped vehicle. Body and or fender modifications may be required to properly install the maximum tire diameter and maximum wheel width listed. Tire and wheel choice is crucial in assuring proper fit, performance, and the safety of your Pro Comp equipped vehicle. For this application, a 20" or larger wheel is required, not to exceed 10" in width. 20" rims have a maximum of 5" of backspace and a minimum of 4.5" of backspace. A quality tire of radial design, not exceeding 35" tall X 12.5" wide. Pro Comp recommends 295/60-20 or equivalent. Please note that the use of a 35" X 12.5" tire may require fender modification and may interfere with the crash bar at full lock. 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.

IMPORTANT!: The factory rims and factory spare tire cannot be used with this lift kit. 17"/18" Spare can only be used for the rear wheels only. If a flat tire occurs on the front, the 20"+ rim from the back will need to be placed on the front.

The following rims have been test fit and DO clear the 2019 GM caliper.

PXA 5034-2983 (20" x 9" w/ 5" B.S.) has been test fit and approved for installation.

PXA 5041-298345 (20" x 9" w/ 4.5" B.S.) has been test fit and approved for installation.

PXA 5161-298350 (20" x 9" w/ 5" B.S.) has been test fit and approved for installation.

PXA 5163-218347 (20" x 10" w/ 4.75" B.S.)) has been test fit and approved for installation.

PXA 5172-21039 (20" x 10" w/ 4.75" B.S.) has been test fit and approved for installation.

PXA 5173-21083 (20" x 10"w/ 4.75" B.S.) has been test fit and approved for installation.

LRG 10729083712N (20" x 9" w/ 4.5" B.S.) has been test fit and approved for installation.

GM aftermarket 22" GM 84040800 22" X 9" rim does fit with Nitto Ridge Grappler and Nitto Terra Grappler 285/55 R22 tires.

The following rims have been test fit and DO NOT fit.

OE rims 17", 18" or 20" do not fit the new Pro Comp Knuckles.

PXA 5140-298352 does not fit due to caliper clearance.

PXA 5044-2983 does not fit due to caliper clearance.

PXA 5050-293945 does not fit due to caliper clearance.

PXA 5139-2983 does not fit due to caliper clearance.

PXA 5140-298352 does not fit due to caliper clearance.

PXA 5143-2983 does not fit due to caliper clearance.

PXA 8142-29539 does not fit due to caliper clearance.

LRG 11621083912N does not fit due to caliper clearance.

LRG 11721083312N does not fit due to caliper clearance.

LRG 11821083912N does not fit due to caliper clearance.

IMPORTANT!: Please drive the vehicle prior to installation. It has come to our attention that the 2019 GM 1500 4WD, as delivered from the factory, has a vibration in the drive line. Pro Comp Engineering, through thousands of miles of testing lifted vehicles and stock units has determined that the application of this suspension lift does not change this inherent attribute.

Introduction:

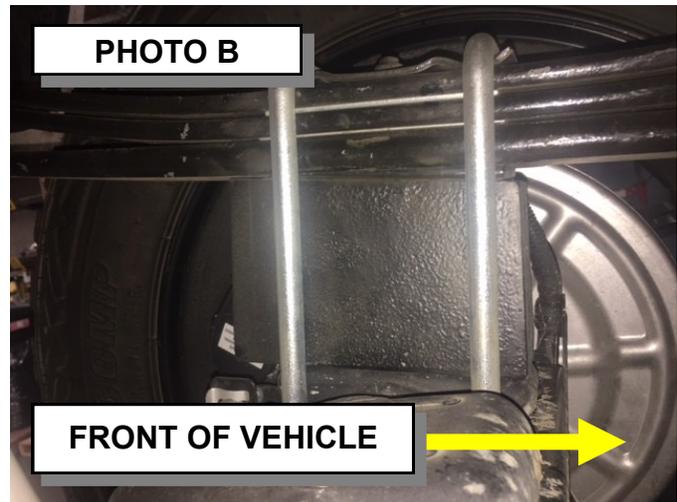
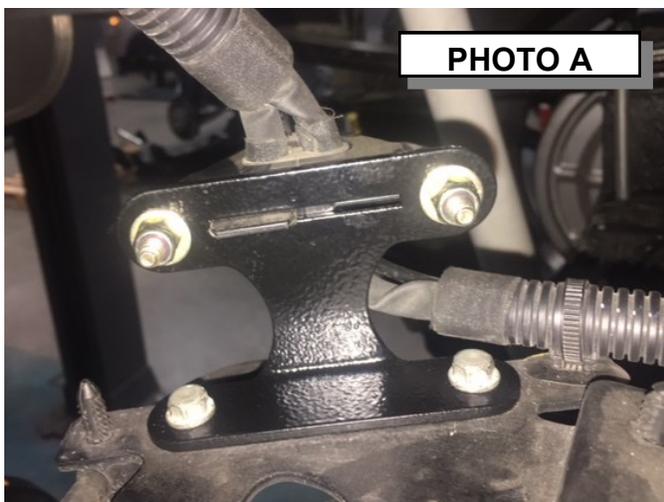
- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Ensure that your work space is of adequate size and the work surface is level. Place the vehicle in neutral. Place your floor jack under the front cross member and raise vehicle. Place jack stands under the frame rails behind the front wheel wells 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.
- ◆ 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 PHOTOS 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 locking 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.
- 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.

FRONT INSTALLATION:

1. Complete all steps from the 51070B/ K1175B instruction manual, FRONT INSTALLATION. In the steps where the strut spacer **(91-20200)** is referenced, install the strut spacer **(91-20202)**, provided in box 51070B-8, in its place.

REAR INSTALLATION FOR LEVEL BED ANGLE ONLY:

1. Raise the rear of the truck enough for the tires to clear the ground and use jack stands on the frame to support the truck.
2. Remove the rear wheels from the vehicle. Remove the **OE** tire pressure monitors from the wheels and mark the location where they were removed from on the vehicle.
3. Carefully remove the **OE** shock absorbers. It may be necessary to raise the differential housing slightly to facilitate their removal.
4. Unbolt the **OE** bump stops from the frame. Save the bump stops for reuse.
5. Unbolt the emergency brake wire relay from the top of the differential. Save the **OE** bolts for reuse.
6. Install the emergency brake wire bracket (91-11922) using the **OE** bolts to attach the bracket to the differential and the 1/4-20 X 1 1/4 fasteners from (90-60733) to attach the emergency brake wire relay to the mount. **See PHOTO A.**
7. Unbolt the rear brake line bracket from the frame. Save the **OE** bolts for reuse.
8. One side at a time, support the differential housing on the side being modified. Remove the "U" bolts from the axle end and discard. Carefully lower the differential away from the **OE** springs. Remove and discard the OE lift blocks and dis-



- card.
9. As shown in **PHOTO B**, place the 4" (95-401) blocks in position. Make sure the pin in the block is in the hole of the axle housing spring pad. The short end of the block goes toward the front of the vehicle. Install the block so the pinion moves up. **NOTE: The block pins may need to be ground down so that the blocks sit flat on the axle housing spring pads.**
 10. Install the new "U" bolts (13-90086) over the leaf spring assembly and using the new washers and nuts supplied along with the existing spring plates, torque the U-bolt nuts to 105 ft./lbs. **See PHOTO B.**
 11. Repeat these steps on the other side of the vehicle.
 12. Bolt the rear brake line drop bracket (91-11923) to the frame using the **OE** hardware in the top holes and the 5/16 X 1" fasteners from hardware pack (90-6299) to reattach the brake line bracket. **See PHOTO C.**
 13. Bolt the **OE** rear bumps stop and supplied bump stop spacer (90-44036) to the original frame mounting position using the supplied **10mm X 90mm** Allen head bolt. **See PHOTO D.**
 14. Before installing your new Pro Comp shock absorbers, it is necessary that you check for adequate clearance. Tempo-



rarily install your Pro Comp shocks **(929505 or provided)** into the shock mounts. Carefully check for clearance issues. If there are areas that come in contact with or are very close to your new shocks, carefully remove sufficient material to ensure trouble free operation. Pay particular attention to the area around the lower shock mount. When all clearance issues have been resolved, install your new Pro Comp shock absorbers. Torque the upper bolt to 70 ft./lbs. and the bottom bolt to 118 ft./lbs. Re-check all fasteners for proper installation and torque.

15. Install the new rear wheels, tires and OE tire pressure monitors and lower the vehicle to the ground. Torque the new lug nuts to 140 ft./lbs.
16. After installation is complete, double check that all nuts and bolts are tight. Refer to the chart at the end of this docu-

ment for torque specifications. (Do not retighten nuts and bolts where thread locking compound was used).

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.

REAR INSTALLATION FOR POSITIVE BED RAKE:

1. Raise the rear of the truck enough for the tires to clear the ground and use jack stands on the frame to support the truck.
2. Remove the rear wheels from the vehicle. Remove the OE tire pressure monitors from the wheels and mark the location where they were removed from on the vehicle.
3. Carefully remove the **OE** shock absorbers. It may be necessary to raise the differential housing slightly to facilitate their removal.
4. Unbolt the **OE** bump stops from the frame. Save the bump stops for reuse.
5. Unbolt the emergency brake wire relay from the top of the differential. Save the **OE** bolts for reuse.
6. Install the emergency brake wire bracket (91-11922) using the OE bolts to attach the bracket to the differential and the 1/4-20 X 1 1/4 fasteners from (90-60733) to attach the emergency brake wire relay to the mount. **See PHOTO A.**
7. Unbolt the rear brake line bracket from the frame. Save the **OE** bolts for reuse.
8. One side at a time, support the differential housing on the side being modified. Remove the **OE** "U" bolts from the axle end and discard. Carefully lower the differential away from the **OE** springs. Remove the **OE** blocks and discard.
9. Clamp the leaf spring pack securely together using "C" clamps. Remove the **OE** leaf spring center bolt.
NOTE: A hammer and drift punch may be used to drive it out if necessary.
10. Install the 4 degree shim (31-44052) onto the leaf spring pack with the large end of the taper towards the front of the vehicle. Secure using the center bolt (97-380) and nut (8337-1). Torque the center bolt nut to 20 ft/lbs. Using a hacksaw, cut the center bolt even with the top of the nut. **See PHOTO E.**
11. Position the 5" block (95-501) on the leaf spring pack. Make sure the pin in the block is in the hole of the axle housing spring pad. The short end of the lift block will be oriented toward the front of the vehicle. **See PHOTO E.**
NOTE: The lift block pins may need to be ground down so that the lift blocks sit flat on the axle housing spring pads.
12. Install the new "U" bolts (13-90087) over the leaf spring assembly and using the new washers and nuts supplied along with the existing spring plates, torque the U-bolt nuts to 105 ft./lbs. **See PHOTO E.**
13. Repeat these steps on the other side of the vehicle.
14. Bolt the rear brake line drop bracket (91-11923) to the frame using the OE hardware in the top holes and the 5/16 X 1" fasteners from hardware pack (90-6299) to reattach the brake line bracket. **See PHOTO C.**
15. Bolt the **OE** rear bumps stop and supplied bump stop spacer (90-44036) to the original frame mounting position using the supplied **10mm X 90mm** Allen head bolt. **See PHOTO D.**
16. Before installing your new Pro Comp shock absorbers, it is necessary that you check for adequate clearance. Temporarily install your Pro Comp shocks (**929505 or provided**) into the shock mounts. Carefully check for clearance issues. If there are areas that come in contact with or are very close to your new shocks, carefully remove sufficient material to ensure trouble free operation. Pay particular attention to the area around the lower shock mount. When all clearance issues have been resolved, install your new Pro Comp shock absorbers. Torque the upper bolt to 70 ft./lbs. and the bottom bolt to 118 ft./lbs. Re-

check all fasteners for proper installation and torque.

17. Install the new rear wheels, tires and OE tire pressure monitors and lower the vehicle to the ground. Torque the new lug nuts to 140 ft./lbs.
18. After installation is complete, double check that all nuts and bolts are tight. Refer to the chart at the end of this document for torque specifications. (Do not retighten nuts and bolts where thread locking compound was used).

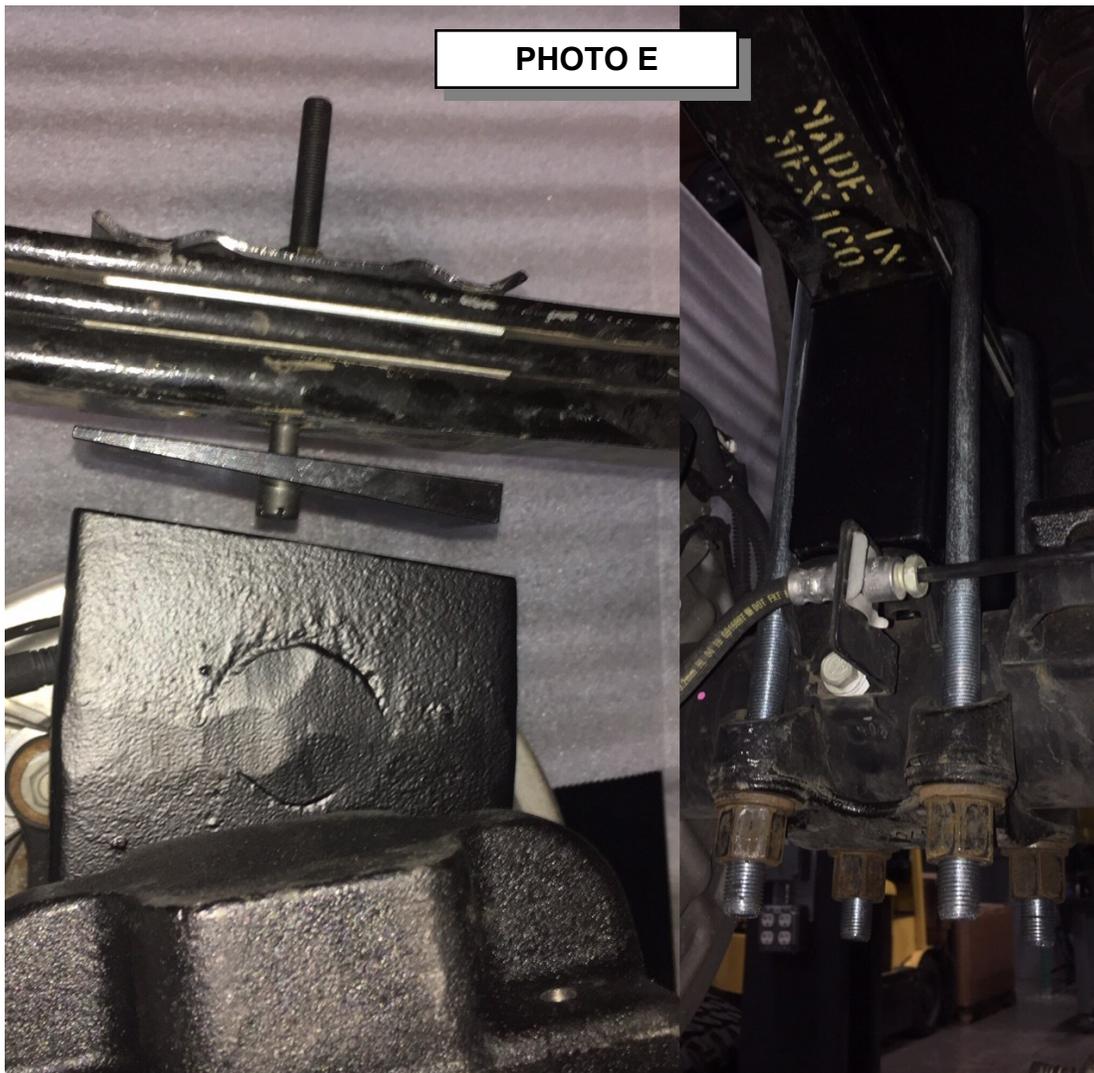
NOTES:

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.



Final notes:

1. If new tires are installed that are more than 10% taller than original tires, the speedometer must be recalibrated for the rear wheel anti-lock brake system to function properly. Contact an authorized GM dealer for details on recalibration.
2. With vehicle on the floor, cycle the steering from lock to lock and inspect the steering, suspension and driveline systems for proper operation, tightness and adequate clearance. Recheck brake hose/fittings for leaks. Be sure all brake lines are long enough for safe operation.
3. Have headlights readjusted to the proper settings.
4. Realign front end to factory specifications. Be sure the vehicle is at the desired ride height prior to realignment.
5. Recheck ALL fasteners at 100 miles to make sure they have not come loose. Due to the additional wear and tear created by larger tires and wheels, we recommend that you periodically check the suspension system and steering components to ensure service life and safe vehicle operation.

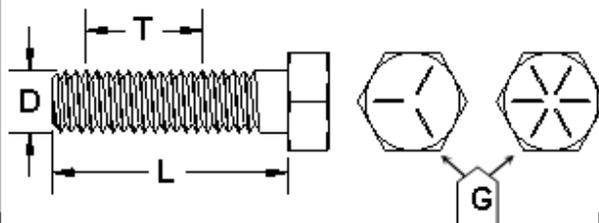
Bolt Torque and ID

Decimal System

Metric System

All Torques in Ft. Lbs.

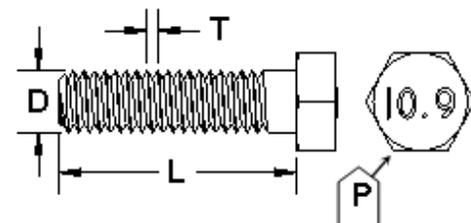
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



1/2-13x1.75 HHCS



Grade 5 Grade 8
 (No. of Marks + 2)



M12-1.25x50 HHCS



G = Grade (Bolt Strength)
 D = Nominal Diameter (Inches)
 T = Thread Count (Threads per Inch)
 L = Length (Inches)
 X = Description (Hex Head Cap Screw)

P = Property Class (Bolt Strength)
 D = Nominal Diameter (Millimeters)
 T = Thread Pitch (Thread Width, mm)
 L = Length (Millimeters)
 X = Description (Hex Head Cap Screw)

Revision Page:

6.19.2021: Latest Revision

7.22.2021: Added K1176T/ M and created revision page.



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
Website: www.procompusa.com
Fax: (310) 747-3912
Ph: 1-800-776-0767

PLACE WARRANTY REGISTRATION NUMBER HERE: _____
