



Explorer Competition Products, Inc. Chula Vista, CA USA

Ph: (619) 216-1444 • Fax: (619) 216-1474 • E-Mail: tech@explorerprocomp.com • Website: www.explorerprocomp.com

# INSTALLATION INSTRUCTIONS

Vehicles equipped with light duty, double offset joint (rubber boot) front driveshafts must be replaced with splicer constant velocity (CV) type.

**Part # 55590**  
**'84-'99 4WD & 2WD Jeep XJ**  
**Cherokee 3" Lift**  
**Now Manufactured With Chromolly Arms**

**PARTS LIST:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>ILLUST.</u>
90-2058	Front Lower Control Arm	2	3 & 4
90-6029	Brakeline Hose Support Kit		
13-20447	Hex, Self Tap 1/4" - 14 x 3/8"	4	
15-10966	Clamp, 3/8" x 3/8" x .203	4	
90-6039	Hardware Pack Containing:		
15-11252	Bushing - Red	8	3
90-2006	Sleeve .75 x .50 x 2.625	4	3
90-6036	Hardware Pack Containing:		
70-0432501500	7/16" x 2 1/2 USS Gr. 5 Hex Bolt	1	
70-0371001800	3/8" x 1" USS Gr. 8 Hex Bolt	1	
73-04300030	7/16" SAE Flat Washer	2	
73-03700034	3/8" SAE Hardened Flat Washer	2	
73-06200030	5/8" SAE Flat Washer	8	
72-04300100512	7/16" USS Nyloc Nut	1	
72-03700100816	3/8" USS Stover Nut	1	
90-6038	Hardware Pack Containing:		
90-1106	Track Bar Drop Bracket (Front)	1	5
90-2052	Spacer, 7/8" x 1.25" Lg.	1	5

**FOLLOWING PARTS ARE USED IN CONJUNCTION WITH THIS KIT. THEY ARE PACKAGED AND MUST BE ORDERED SEPARATELY.**

50050 OR 50055	Rear U-Bolt Kit, see catalog for application	1	
55592	Coil Springs, Pair (Front Lift)	1 Pair	2
13120	Add-A-Leaf Kit (Rear Lift)	1 Pair	6
324515 OR 924515	Front Shock Absorbers	2	2
322500 OR 922500	Rear Shock Absorbers	2	2
55597	Front Sway Bar Link Kit	1	
219200	Steering Stabilizer	1	

## PLEASE NOTE:

Tire and wheel choice is crucial in assuring proper fit performance and the safety of your Pro Comp equipped vehicle. For this application a wheel not to exceed 7" in width with a maximum backspacing of 3.5 must be used. Diameter of wheel may be any of the following 2 choices, 15" or 16". Any other diameter, either smaller or larger, will not be endorsed as acceptable by Explorer Pro Comp and will void any and all warranties, written or implied. In addition, a quality tire of radial design, not to exceed 31" tall x 10.50" wide is recommended.

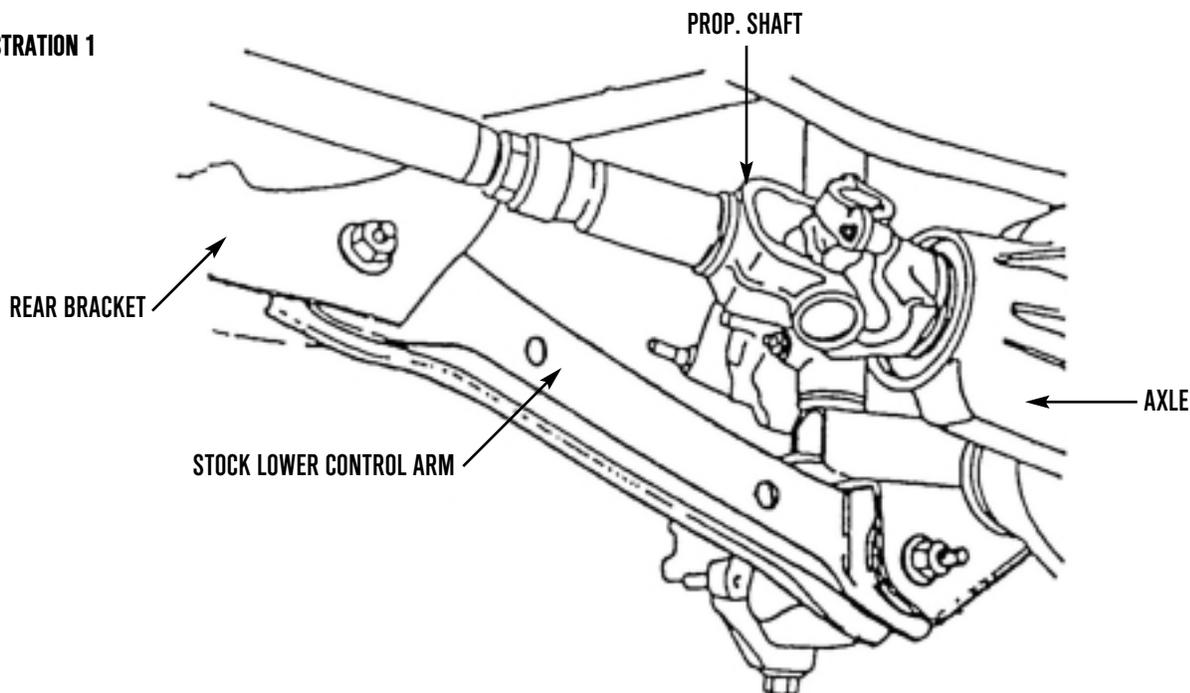
## BEFORE YOU BEGIN:

- Read the instructions and study the illustrations before attempting installation. Separating the 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 parts and hardware against the parts list to assure that your kit is complete.
- Always wear safety glasses when using power tools.

## DISASSEMBLY:

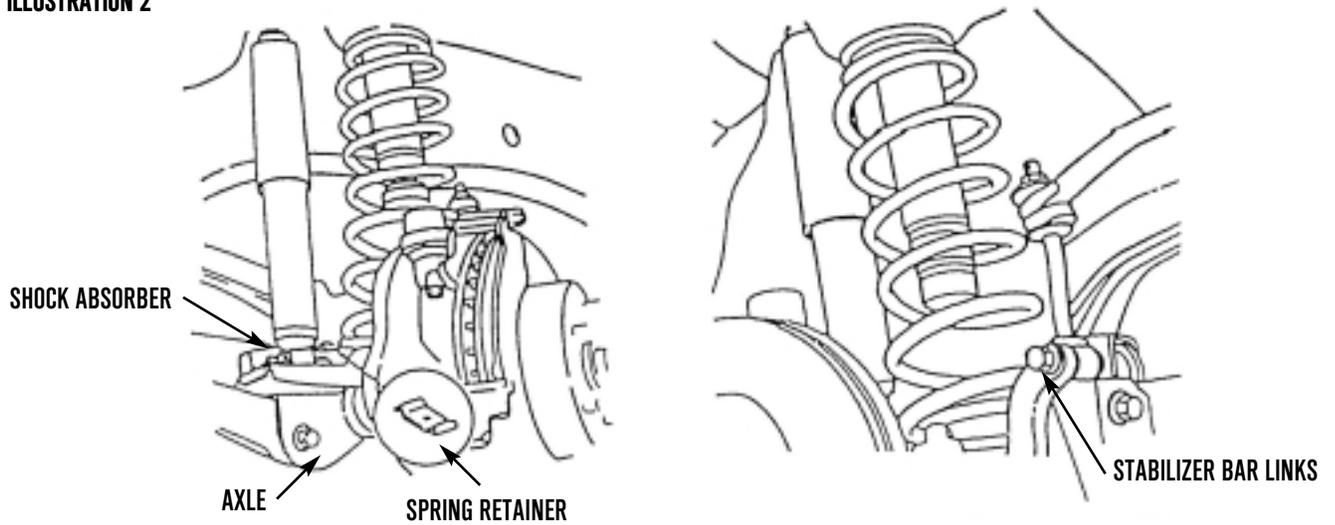
- 1) Raise and suitably support the vehicle with jackstands. Support the axle with a floorjack. Remove the wheels and tires.
- 2) Mark and disconnect the front prop shaft at the axle as shown in **ILLUSTRATION 1**.

ILLUSTRATION 1



- 3) Disconnect the stock lower control arm at the axle and the rear bracket and remove. Refer to **ILLUSTRATION 2**.
- 4) Disconnect the stabilizer bar links and the shock absorbers at the axle as shown in **ILLUSTRATION 2**. Remove front shocks.

ILLUSTRATION 2

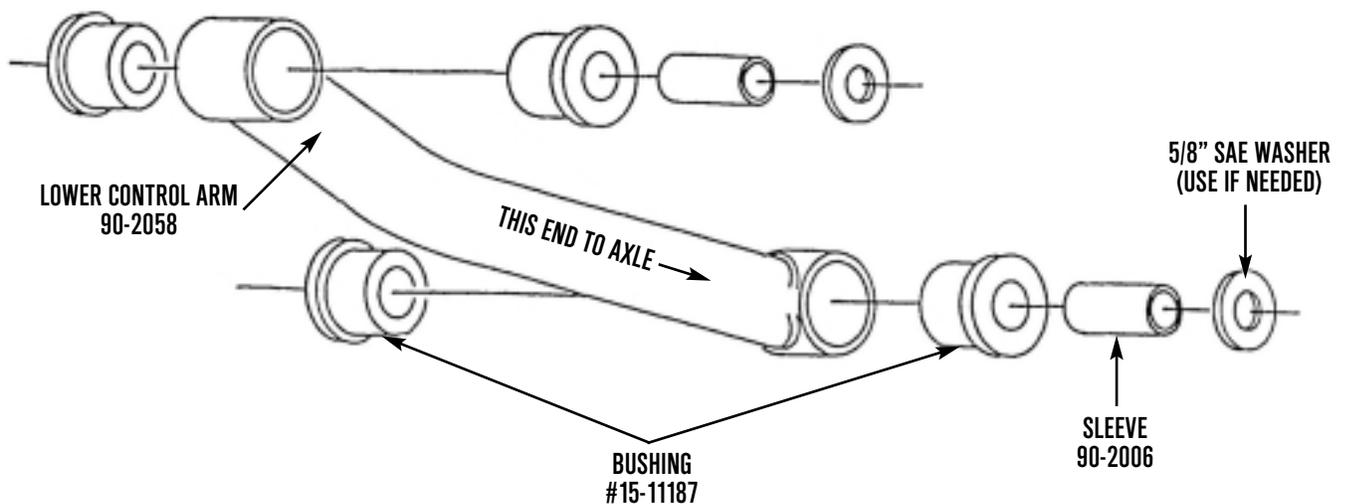


- 5) Disconnect the track bar at the axle bracket.
- 6) Disconnect the drag link at the pitman arm.
- 7) Lower the axle assembly, loosen the spring retainers and remove the front springs.

**INSTALLATION:**

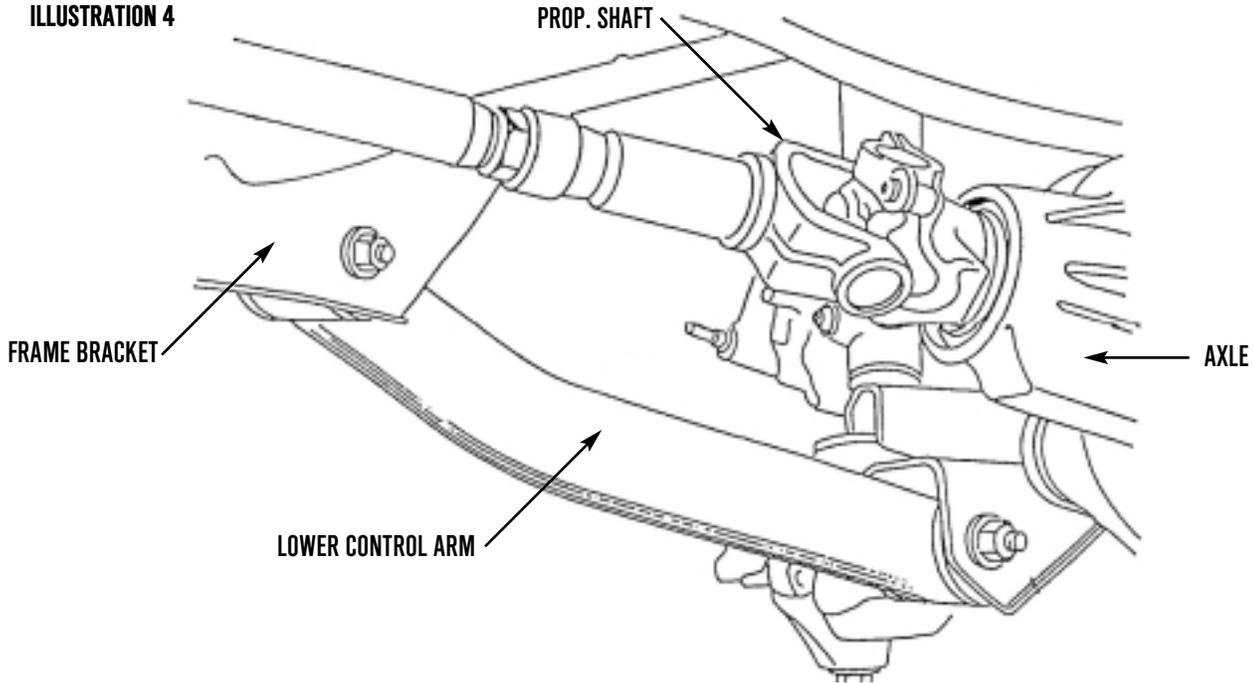
- 1) Install the new front springs and tighten the retainers.
- 2) Raise the axle into position.
- 3) Insert the bushings and sleeves, with grease, into the new lower control arms as shown in **ILLUSTRATION 3**.

ILLUSTRATION 3



- 4) Position the lower control arms in the front and rear brackets and install using the existing bolts and nuts and the supplied washers if needed. See **ILLUSTRATION 3** and **4**.

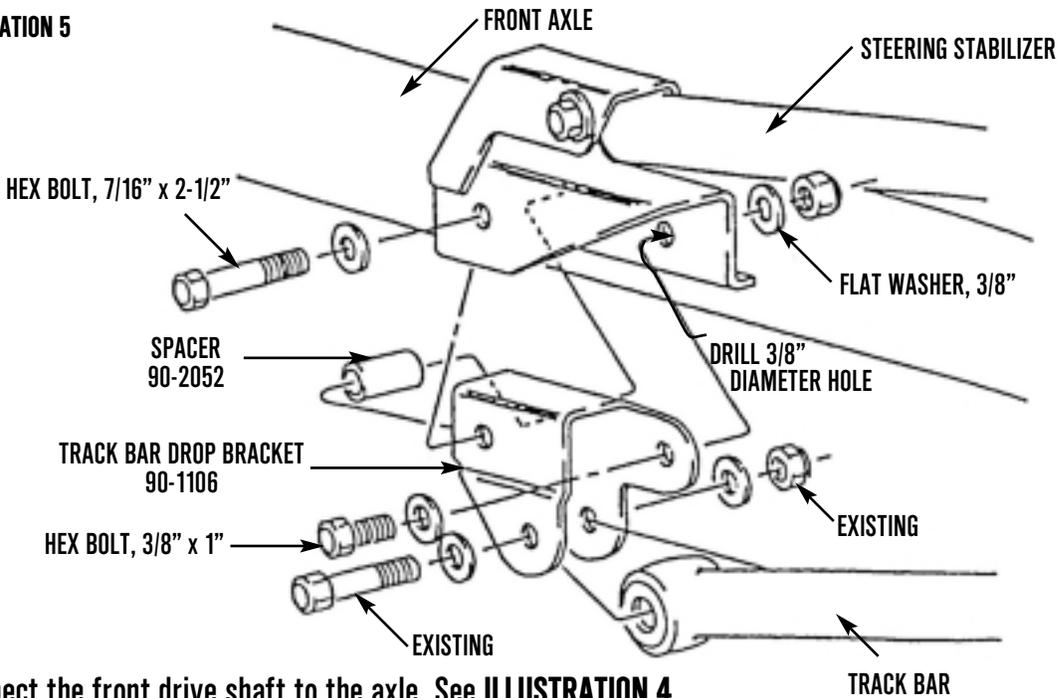
ILLUSTRATION 4



5) Tighten the mounting bolts with a torque of 180 Nm (133 ft./lbs.)

6) Position the track bar drop bracket, 90-1106 as shown in ILLUSTRATION 5. Mark the hole location on the axle bracket and drill 3/8" hole. Connect the track bar drop bracket to the axle bracket and the stabilizer bar links and shock absorbers to the axle. Refer back to ILLUSTRATION 2 if necessary.

ILLUSTRATION 5



7) Connect the front drive shaft to the axle. See ILLUSTRATION 4.

**INSTALLATION OF REAR ADD-A-LEAF:**

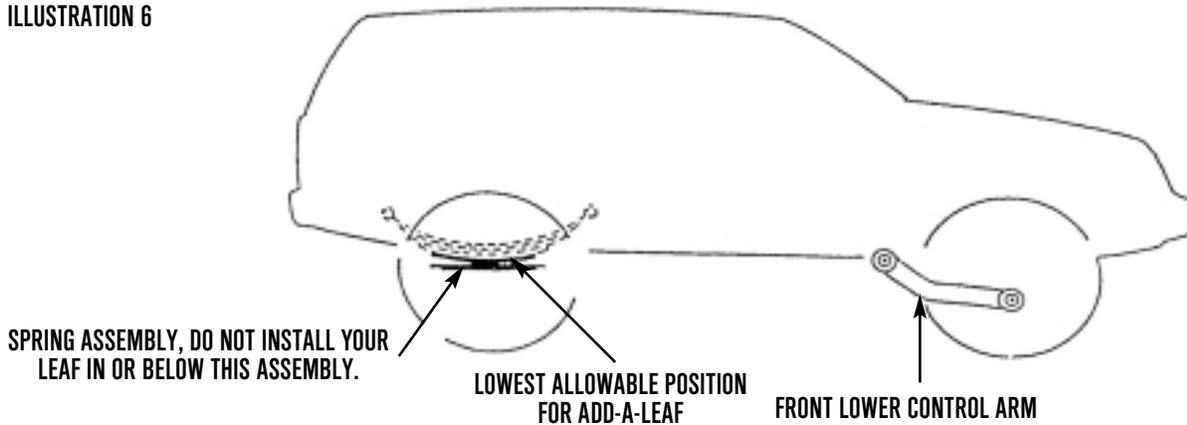
☐ To perform the installation properly, you must use two large c-clamps or a large vise to contain the elastic potential energy stored in a leaf spring when the center bolt is removed.

- ❑ A new add-a-leaf will be placed in the spring assembly in a progressive pyramid shape.

**EXAMPLE:** If your #1 leaf is 32" long and your #2 leaf is 24" long and the new add-a-leaf is 28" long, place the new add-a-leaf between leaves #1 and #2.

- ❑ Some springs will have a factory helper spring consisting of one or more flat or nearly flat leaves installed at the bottom of the leaf pack. See ILLUSTRATION 6. **NOTE: DO NOT INSTALL YOUR ADD-A-LEAF SPRING IN OR BELOW THE HELPER SPRING ASSEMBLY.**

ILLUSTRATION 6



- 1) Raise the rear of the vehicle, support the frame with jackstands and remove the rear wheels.
- 2) With a floorjack, raise the rear axle enough to relieve tension on the shock absorbers and remove them. Disconnect the axle vent hose from the axle housing.
- 3) Making sure the axle is well supported, remove the axle u-bolts and hardware. Next, remove the spring eye bolts and shackles, then remove the springs from the vehicle.
- 4) Using c-clamps or a large bench vise, hold the spring assembly securely together.
- 5) If applicable, remove any spring leaf alignment clamps. Using vise grips to hold the head of the center bolt, loosen and remove it. If the bolt has rusted, a hammer and drift punch may be used to drive it out.
- 6) Carefully remove c-clamps or open vise and lay unassembled spring aside.
- 7) With a small amount of grease applied to both ends of the add-a-leaf, reassemble leaf springs with add-a-leaf in place.
- 8) Loosely assemble the completed spring assemblies into their respective axle mounts. Replace the U-bolts, nuts and washers and torque to the factory specifications. Now reinstall spring eye bolts and shackles and torque to factory specifications.
- 9) Cycle steering lock to lock and inspect steering, suspension and driveline systems for proper operation, tightness and adequate clearance. Recheck brake hose/fittings for leaks. Be sure all hoses are long enough. Brakeline hose support kit #90-6029 is included with this kit. Use as needed.

10) Install the wheels and tires. Remove the jackstands and lower the vehicle.

**TORQUE SPECIFICATIONS:**

Lower Control Arms-to-Axle.....133 ft./lbs.  
Front Shock Absorbers at Axle..... 14 ft./lbs.  
Stabilizer Bar Links-to-Axle..... 70 ft./lbs.  
U-Joint Straps at Front Axle..... 14 ft./lbs.  
Drag Link-to-Pitman Arm.....35 ft./lbs.  
Track Bar-to-Frame Rail Bracket.....35 ft./lbs.

**CASTER:**

Caster should be checked using wheel alignment equipment. If caster is incorrect, adjustment can be made by adding or removing shims at rear of the lower control arms.

**FRONT WHEEL ALIGNMENT:**

The alignment should be checked and adjusted. To ensure correct alignment, the following inspection is recommended:

	SET TO	OK RANGE
Toe:		
Right Wheel	0	1/32" IN to 1/32"
Left Wheel	0	1/32" IN to 1/32"
Camber	0	-1/2* to +1/2*
Caster	7-1/2*	7* to 8*
*Turn Angle: (Outside Wheel)	33* MAX.	33* to 32*

- This angle may be reduced as to allow 0.5 inches minimum.
- Adjust Headlights.



**PLACE  
WARRANTY STICKER  
HERE**

**LIMITED WARRANTY**

Pro-Comp Suspension warrants to the original retail purchaser that its suspension products are free from defects in workmanship and material as long as the purchaser owns the vehicle on which the product was originally installed. Pro-Comp Suspension does not warrant the product for finish, alterations, modifications and/or installation contrary to Pro-Comp Suspensions instructions. Pro-Comp Suspension not used in conjunction with Explorer or Pro-Comp shock absorbers may void warranty. Pro-Comp Suspension products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or similar activities. A "Race" is any contest between two or more vehicles, or any contest of one or more vehicles against the clock, whether or not such contest is for a prize. Pro-Comp Suspensions obligation under this warranty is limited to the repair or replacement, at Pro-Comp Suspensions option of the defective product, any and all costs of removal, installation or reinstallation, freight, charges, incidental or consequential damages are expressly excluded from this warranty. This warranty is expressly in lieu of all other warranties expressed or implied, including the implied warranties of merchant ability and fitness for use, and all other obligations or liabilities on the part of Pro-Comp Suspension. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse. Pro-Comp Suspension does not warrant whatsoever any products not supplied by them.

**PRODUCT SAFETY AND WARNING**

The installation of this kit will modify the suspension of your vehicle and may cause it to handle differently than a factory equipped vehicle. It will not strengthen nor reinforce the stock frame of the vehicle, or will it increase rollover protection. The kit is intended to provide a better ride and increase performance when used off-road. We strongly advise you to operate your vehicle responsibly at all times, and ask you to periodically inspect all suspension and drivetrain components for tightness of fit or any damage. This is especially critical both before and after off-road use. Additional safety warnings are included in the instructions, which accompany this product. We urge you to use seat belts and to always drive safely, both on and off-road.

**INSTALLER'S SAFETY WARNING**

Pro-Comp Suspension recommends our products to be installed by certified technicians only. These instructions pertain to installation of Pro-Comp Suspensions and may not include original equipment recommended procedures for disassemble/reassemble of original equipment components. Efforts to install our system without knowledge and experience may jeopardize the operating safety of the vehicle.

**Safety Warning Label**

A safety warning label is included with this product. It is the installers responsibility to install this label of the vehicle's cab, in a highly visible location to all operators of the vehicle.

**Tire and Wheel Warning**

Larger wheel and tire combinations may increase leverage on suspension, steering, brake systems, and related components. As you increase the size of the rim and tire combinations over stock, you also increase the chances of original equipment related component failure. Consult a professional mechanic with off-road experience before installing any tire and wheel combinations.

**DETACH AND MAIL OR FAX TO THE ADDRESS BELOW**

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Name: \_\_\_\_\_ Phone Number: (\_\_\_\_) \_\_\_\_\_

Address: \_\_\_\_\_

Products Purchased from: \_\_\_\_\_ Date Purchased: \_\_\_\_\_

Installed By: \_\_\_\_\_ Date Installed: \_\_\_\_\_

Vehicle Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_

Installation Comments: \_\_\_\_\_

Product Part Number: **55590** Description: **'84-'99 4WD & 2WD Jeep XJ Cherokee 3" Lift**

Warranty/Registration Number: \_\_\_\_\_

**Mail to: Explorer Pro Comp  
2360 Boswell Road  
Chula Vista, CA 91914  
Fax: (619) 216-1474**

**E-Mail: tech@explorerprocomp.com  
Website: www.explorerprocomp.com  
Ph: (619) 216-1444**