



PRO COMP SUSPENSION

Suspension Systems that Work!

NOTE: This kit can an be used in conjunction with any Pro Comp 0" to 8" lift kit

**Part # 222286
1999-2004 4WD Ford
F250/F350
Dual Steering
Stabilizer
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.

- ◆ **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!

22415 REAR LEAF SPRINGS,
LIGHTS,
52480 CARRIER BEARING SHIM KIT,
599 ALIGNMENT CAM KIT,
50191 U-Bolt Kit,
PN 72400: TRACTION BARS, PN 72099: TRACTION BAR MOUNTING KIT
99-400: 4 DEGREE REAR AXLE SHIM KIT

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

Part #	Description	Qty.	Illus.	Page
90-5286	STABILIZER CENTER BRACKET	1	1	4
90-5287	DRVR SIDE STABILIZER MOUNT BRACKET: Upper	1	2	4
90-5288	DRVR SIDE STABILIZER MOUNT BRACKET: Lower	1	2	4
020106	HARDWARE PACK: 3/8" U-bolt	1	1	4
90-6044	HARDWARE PACK: Steering Stabilizer	2	-	-
71-120651758800	12mmX 65mm BOLT	1	2,3	4
72-1217508812	12mm LOCKNUT	1	2,3	4
73-05000030	1/2" FLAT WASHER	2	2,3	4
73-05000032	1/2" FLAT WASHER	2	2,3	4
222560	STEERING STABILIZER	2	1	4
P-843	HARDWARE PACK: Shock Stud	2	-	-
61297-2P	SHOCK BOLT	1	1	4
61803	5/8" FLAT WASHER	1	1	4
61804	5/8" NUT	1	1	4
45281	3/8" SPACER	1	1	4

INSTALLATION INSTRUCTIONS:

- Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Block the rear tires and set the emergency brake.
 - Remove the factory steering stabilizer from the vehicle.
 - Raise the stabilizer center bracket (**90-5286**) and hold it against the pass side tie rod. See ILLUSTRATION 1.
 - Install the (2) **3/8"** U-bolts over the pass side tie rod and through the stabilizer center bracket (**90-5286**). Leave the hardware finger tight only. See ILLUSTRATION 1.
 - Remove the front (2) hi nuts and washers from the driver side axle U-bolts.
 - Install the driver side stabilizer mount brackets (**90-5287 upper** and **90-5288 lower**) to the front driver side U-bolts. Reinstall the previously removed hi-nuts and washers and torque to 105 ft./lbs. See ILLUSTRATION 2.
 - Install the (2) supplied sleeves into the body end of the stabilizers (**222560**).
 - Insert the shaft end of the steering stabilizers to the stabilizer center bracket (**90-5286**) using the supplied shock bolts (**61297-2P**) from the rear, **3/8"** spacers (**45281**), **1/2"** nuts (**61804**) and **1/2"** washers (**61803**). See ILLUSTRATION 1.
 - Bolt the body end of the stabilizer to the existing mounting hole in the axle on the passenger side and the newly installed stabilizer mount brackets on the driver side using the supplied **12mm X 65mm** bolts and hardware. See ILLUSTRATION 2,3.
- NOTE: The lock collars on the drag link adjustment sleeve will need to be rotated forward for clearance. Rotate the lock clamps on the adjustment sleeve. DO NOT rotate the adjustment sleeve itself.**
- Center the front wheels under the vehicle and adjust the stabilizer center bracket

Illustration 1
Drag Link Bracket
Installation

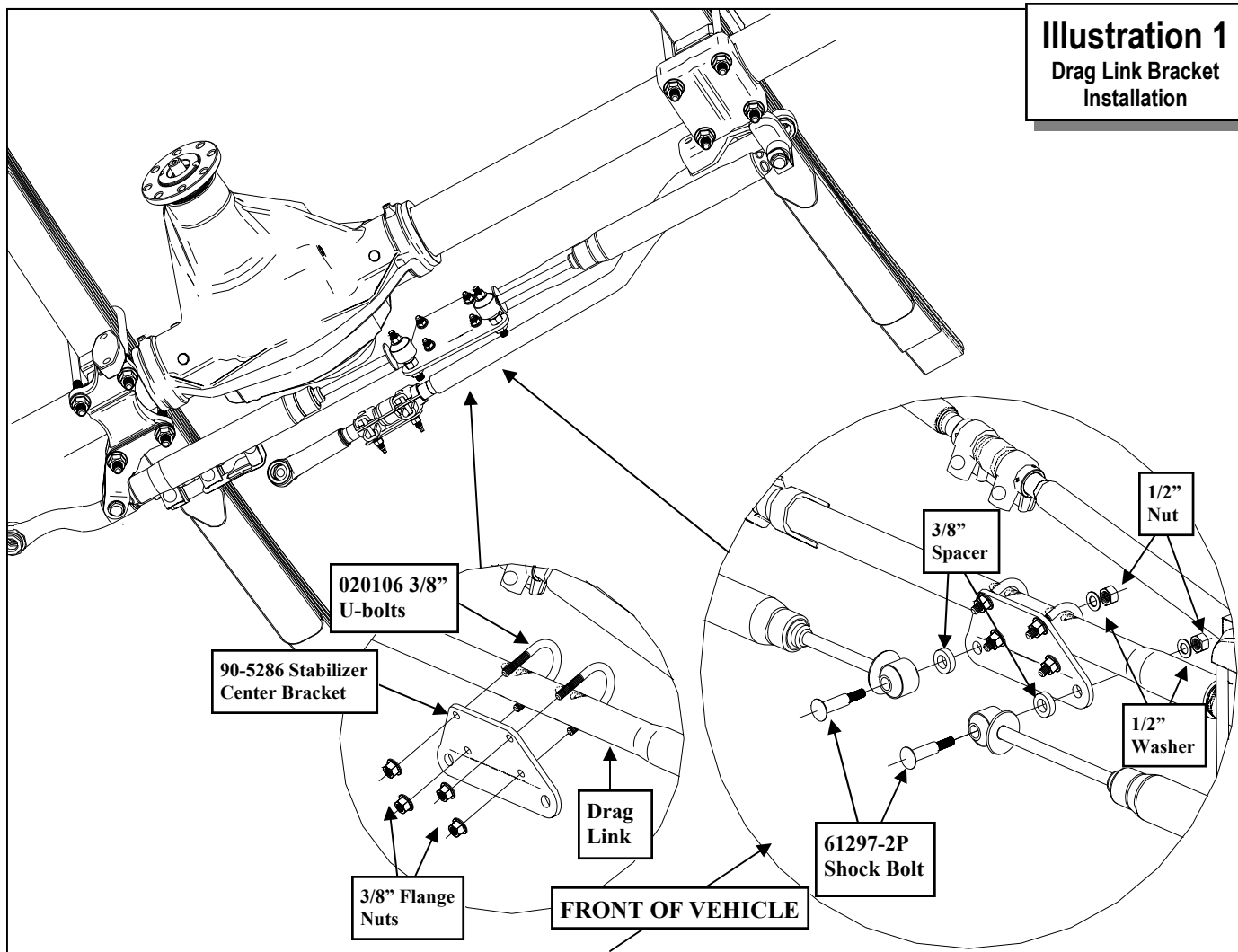


Illustration 2
Driver Side Shock
Brackets

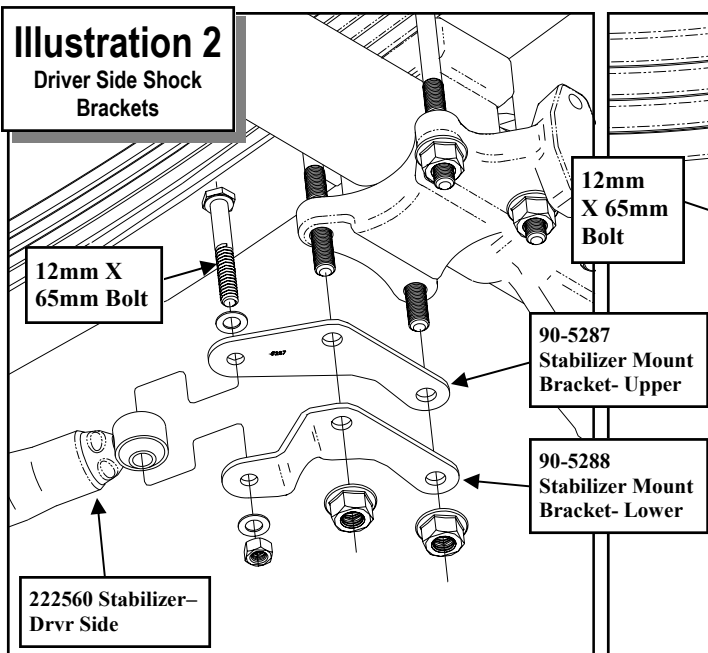
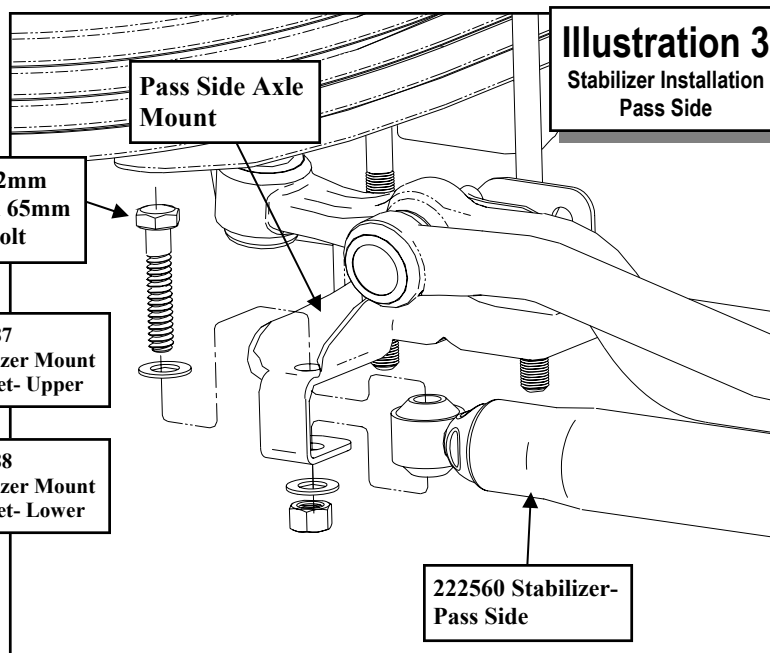


Illustration 3
Stabilizer Installation
Pass Side



(90-5286) so that each stabilizer has an equal amount of shaft showing on each side.

NOTE: There are (4) grooves on the top of the drag link and the first 3/8" U-bolt from pack (020106) on the passenger side should line up very closely with the 4th groove (counting left to right) on the drag link.

11. Once in place torque the 3/8" U-bolt hardware according to the torque chart below.

ware according to the torque chart below.

12. Cycle the steering full left and full right to assure there are no binding, clearance issues or bottoming out and/or over extension of the stabilizers.

13. Torque the steering stabilizer hardware according to the chart below.

14. Re-torque all the newly installed hardware after 100 miles or any off road use.

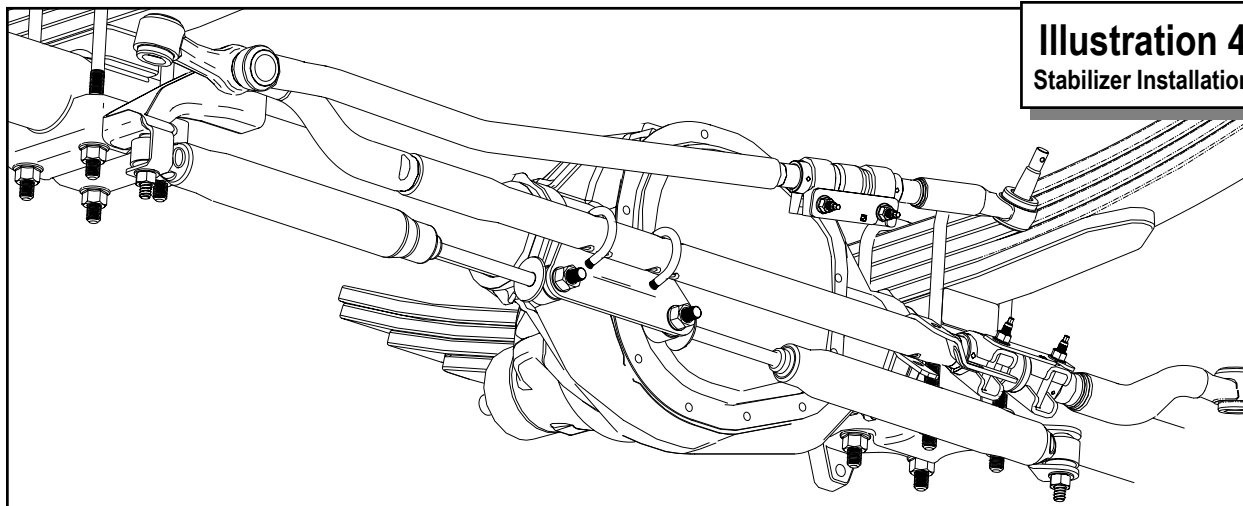


Illustration 4
Stabilizer Installation

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

<p>1/2-13x1.75 HHCS D T L X</p>	<p>Grade 5 Grade 8 (No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS D T L X</p>
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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)

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.