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PRO COMP SUSPENSION

Suspension Systems that Work!

**Part # 219838
2003-2008 4WD
Dodge 2500
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!

50328

U-bolt kit for vehicles w/ Dana 80 rear axle.

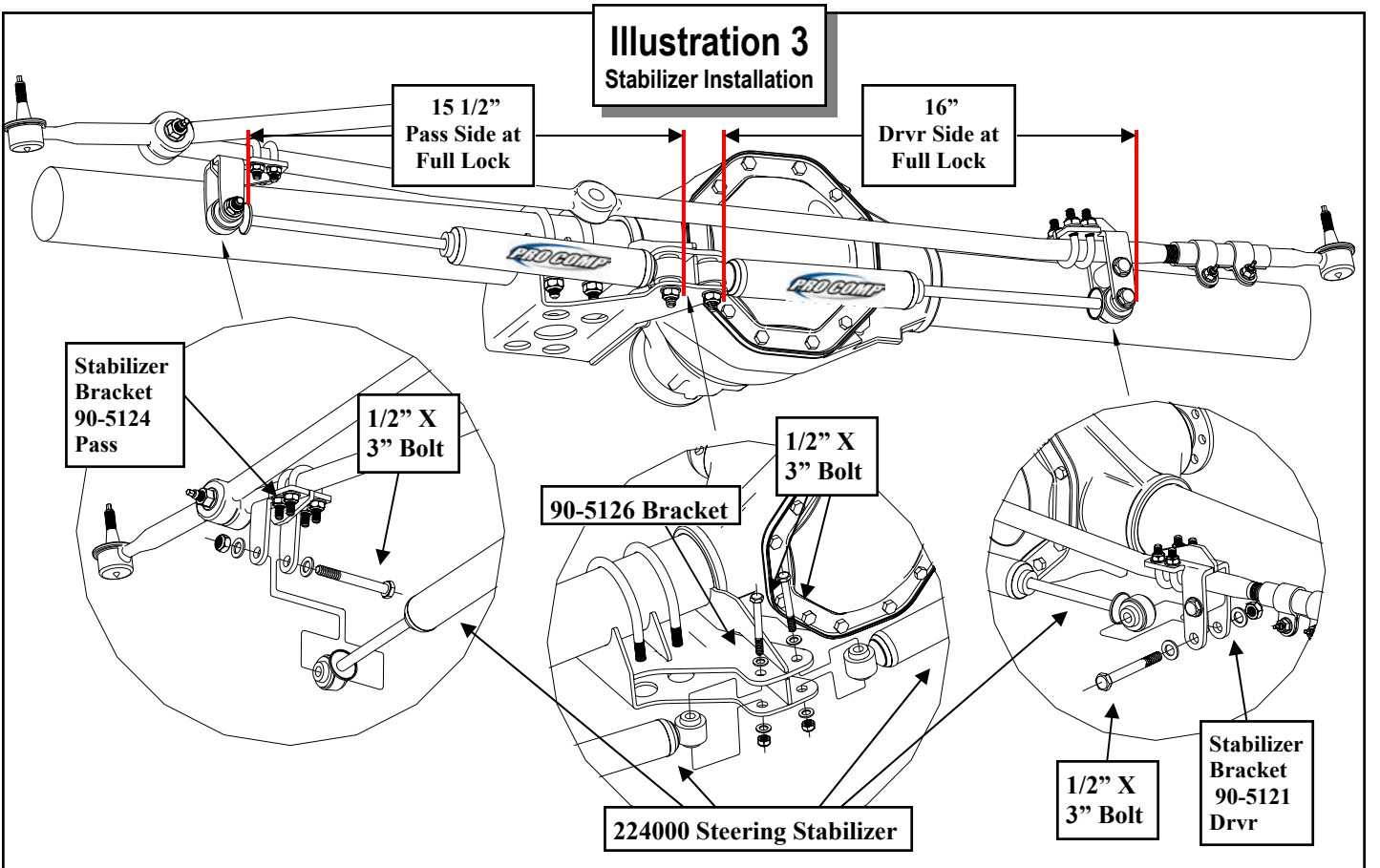
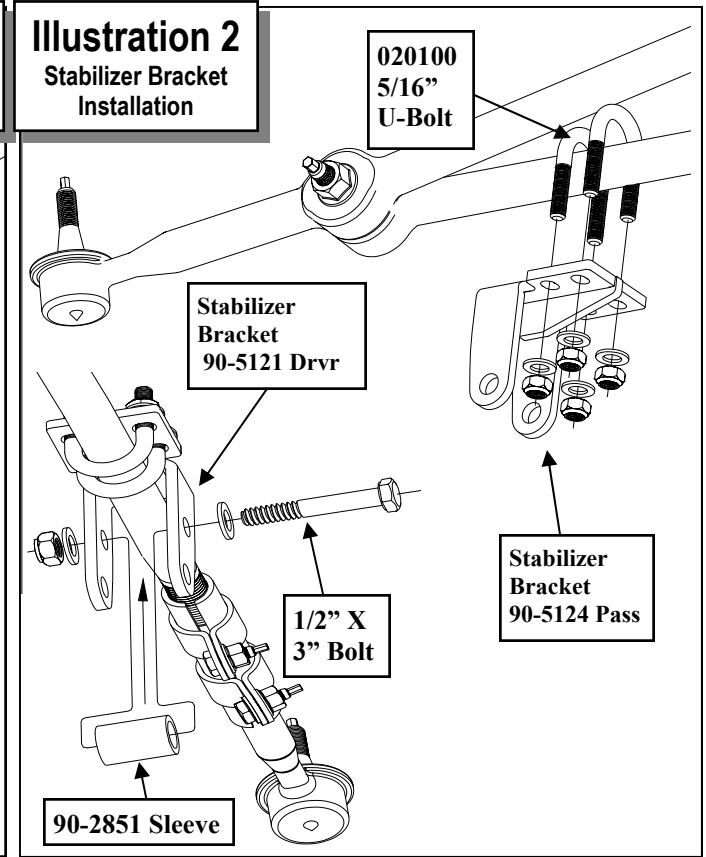
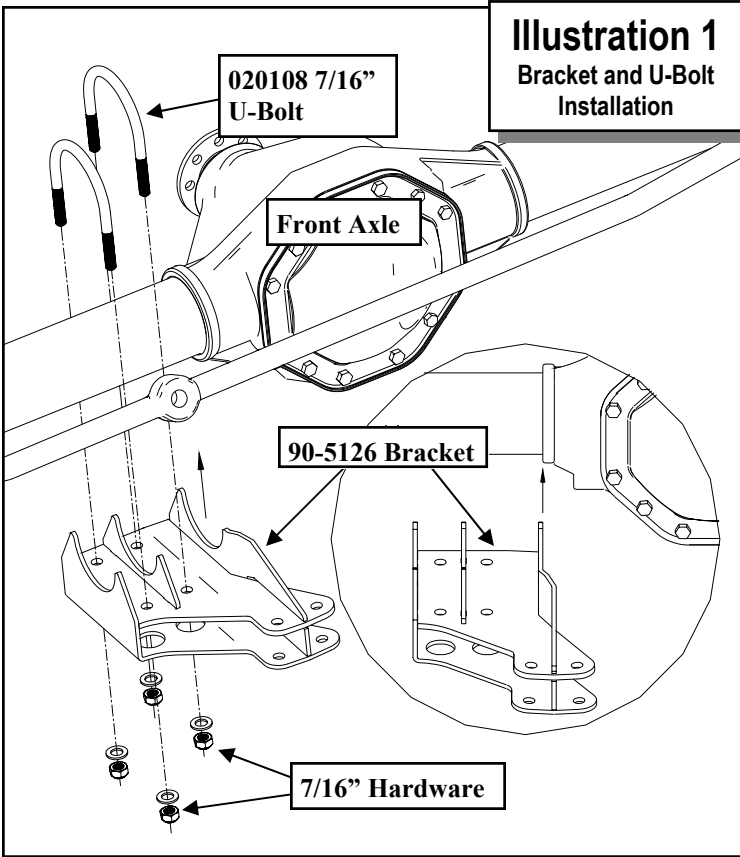
**Check out our outstanding selection of Pro Comp tires to
compliment your new installation!**

Part #	Description	Qty.	Illus.	Page
224000	STABILIZER SHOCK	2	3	4
90-6071	HARDWARE PACK: Sleeve	1	-	-
54314	SHOCK SLEEVE: 1/2" X 5/8" X 1"	4	-	-
90-5121	STABILIZER BRACKET: Drvr	1	2,3	4
90-2851	SHOCK SLEEVE: 7/8" X .188 WALL 1020 DOM	1	2	4
90-5124	STABILIZER BRACKET: Pass	1	2,3	4
90-5126	MOUNTING BRACKET	1	1,3	4
90-6639	HARDWARE PACK: Steering Stabilizer	1	-	-
70-0503001800	1/2" X 3" GR. 8 HEX BOLT	5	2,3	4
73-050100816	1/2" FLAT SAE WASHER	10	2,3	4
72-05000100816	1/2" STOVER NUT	5	2,3	4
20100	HARDWARE PACK: 5/16" U-Bolts	2	2	4
020108	HARDWARE PACK: 7/16" U-Bolts	2	1	4
90-6401	HARDWARE PACK: U-Bolt	1	-	4
	7/16" NYLOCK NUT	4	1	4
	7/16" HARDENED FLAT WASHER	4	1	4

- ❑ Read instructions carefully and study the illustrations before attempting installation.
- ❑ Check the parts and hardware against the parts list to assure that your kit is complete.

INSTALLATION INSTRUCTIONS:

1. Mount the axle bracket (90-5126) to the bottom of the passenger side axle tube, against the center housing, using the 7/16" U-bolts (020108) and hardware from hardware pack (90-6401) as shown in ILLUSTRATION 1.
2. Work on one side of the vehicle at a time.
3. Install (4) sleeves 54314 from packs 90-6071 into stabilizers.
4. Insert the steering stabilizer 224000 with the shaft toward the outside of the vehicle. Bolt the body end to the mounting bracket (90-5126) using the (2) 1/2" X 3" bolt and (4) 1/2" SAE washers and (2) nuts. Be sure the heads of the bolts face up. See ILLUSTRATION 3.
5. Repeat steps 1 through 4 on the remaining side of the vehicle.
6. On the driver side, loosely install the stabilizer bracket (90-5121 Drvr) on top of the tie rod over the outer tie rod adjusting threads using the 5/16" U-bolt and hardware from pack (020100). Leave loose at this time.
7. Install sleeve (90-2851) and (1) 1/2" X 3" bolt and hardware, with the head of the bolt to the rear of the vehicle, installed in the top hole. See ILLUSTRATION 2.
8. Secure the shaft end of the stabilizer to the driver side stabilizer bracket (90-5121) using (1) 1/2" X 3" bolt, (1) 1/2" SAE and (2) 1/2" USS washers and (1) nut. Be sure the head of the bolt to the rear of the vehicle. See ILLUSTRATION 3.



9. Turn the wheel full lock to the driver side, extend the stabilizer with the bracket attached until it measures **16"** from the center of the inner mounting bolt to the center of the outer mounting bolt. Tighten the stabilizer mount U-bolt hardware. See ILLUSTRATION 3.
10. On the passenger side, loosely install the stabilizer bracket (**90-5124 Pass**) on the bottom of the tie rod using the **5/16"** U-bolt and hardware from pack (**020100**). See ILLUSTRATION 2.
11. Bolt the shaft end of the stabilizer to the passenger side stabilizer bracket (**90-5124 Pass**) using the **(1) 1/2" X 3"** bolt, **(1) 1/2"** SAE and **(2) 1/2"** USS washers and **(1)** nut. Be sure the head of the bolt to the rear of the vehicle. See ILLUSTRATION 3.
12. Turn the wheel full lock to the passenger side, extend the stabilizer with the bracket attached until it measures **15 1/2"** from the center of the inner mounting bolt to the center of the outer mounting bolt. Tighten the stabilizer mount U-bolt hardware. See ILLUSTRATION 3.
13. 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.

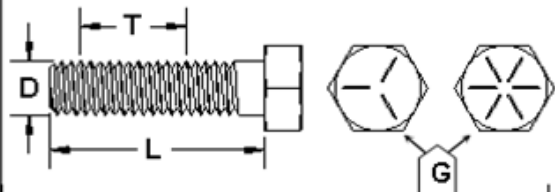
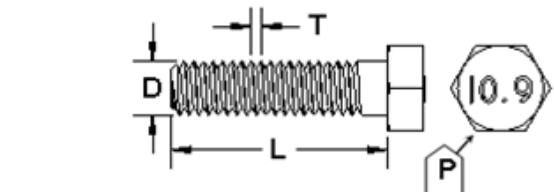
NOTE: Be sure to clock the stabilizer bodies so they do not contact the differential cover.

NOTE: The stabilizer brackets can be adjusted to achieve the maximum amount of steering travel. Be sure that the stabilizers are parallel to the tie rod.

14. Torque hardware according to the chart below.
15. Re-torque all the newly installed hardware after 100 miles or any off road use.

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 Grade 5 Grade 8 (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>M12-1.25x50 HHCS</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>
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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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PLACE
WARRANTY REGISTRATION
NUMBER
HERE: _____