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Website: www.procompusa.com

Latest Revision:
3.31.15

off-road driven!™

PRO COMP SUSPENSION

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

2582
2005-2015 4WD Ford F250/F350
Dual Steering Stabilizer Bracket 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 99-07,
22518 REAR LEAF SPRINGS 08-10
52480 CARRIER BEARING SHIM KIT,
599 ALIGNMENT CAM KIT,
U-Bolt Kits,
PN 72400: TRACTION BARS, PN 72099: TRACTION BAR MOUNTING KIT 08-10
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
91-5368	**CENTER BRACKET**	**1**	**1,2**	**4**
91-5372	**CENTER BRACKET UPPER PLATE**	**1**	**2**	**4**
91-5373	**TIE ROD BRACKET**	**2**	**1,2**	**4**
020106	**HARDWARE PACK: Tie Rod Bracket-3/8" U-Bolt**	**2**	**1**	**4**
020108	**HARDWARE PACK: Center Bracket-7/16" U-Bolt**	**2**	**1**	**4**
90-6253	**HARDWARE PACK: Center Bracket**	**1**	**-**	**-**
70-0503001800	1/2" X 3" Gr. 8 HEX BOLT	2	2	4
72-05000100816	1/2" USS Gr. C STOVER NUT	2	2	4
73-05000030	1/2" Gr. 8 HARDENED FLAT WASHER	4	2	4
90-6683	**HARDWARE PACK: Tie Rod Brackets**	**1**	**-**	**-**
70-0502501800	1/2" X 2 1/2" Gr. 8 HEX BOLT	2	2	4
72-050100816	1/2" USS Gr. 8 STOVER NUT	2	2	4
73-05000034	1/2" SAE Gr. 8 HARDENED FLAT WASHER	4	2	4
90-6401	**HARDWARE PACK: Center Bracket**	**1**	**-**	**-**
43FNNE8Y	7/16"-20 Gr. 8 NYLOC NUT	4	1	4
43NWHDY/SAE	7/16" SAE Gr. 8 HARDENED WASHERS	4	1	4
90-6666	**HARDWARE PACK: Center Bracket Upper Plate**	**1**	**-**	**-**
70-0501251800	1/2" X 1 1/4" Gr. 8 HEX BOLT	2	2	4
73-05000034	1/2" SAE Gr. 8 WASHER	4	2	4
72-050100816	1/2" USS Gr. 8 STOVER NUT	2	2	4
SUGGESTED STEERING STABILIZERS :	**ES223500**	**2**	**2**	**4**
	ZX2904	**2**	**2**	**4**

INSTALLATION INSTRUCTIONS:

1. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Block the rear tires and set the emergency brake.
2. **OPTIONAL:** Remove the factory steering stabilizer from the vehicle and discard.
3. **REMOVE THE WIRE OR STAMPED RETAINERS AND CLAMPS** out board of the tie rod pinch clamps. Failure to remove these factory retainers will result in damage to the Pro Comp stabilizer and brackets. Tighten the tie rod pinch clamps after the retainers are removed.
4. Center the front wheels under the vehicle. For the **2005-2007** model, on both sides install the tie rod brackets to the tie rods approximately **1"** from the edge of the threads. For the **2008** model, on both sides install the tie rod brackets to the flat spots on the bottom of the tie rod using the supplied **3/8"** U-bolts from kit **(020106).** Torque the **3/8"** hardware according to the torque chart on page 5. See ILLUSTRATION 1.

   NOTE: Be sure the brackets are facing toward the front of the vehicle.
5. Install the center bracket **(91-5368)** to the pass side of the axle using **7/16"** U-bolts from pack **(020108)** as shown in ILLUSTRATION 1. Torque the **7/16"** hardware according to the torque chart on page 5.

   NOTE: The inner U-bolt should butt up against the passenger side edge of the differential center section.
6. Install the center bracket upper plate **(91-**

Illustration 1
Center and Tie Rod Bracket Install

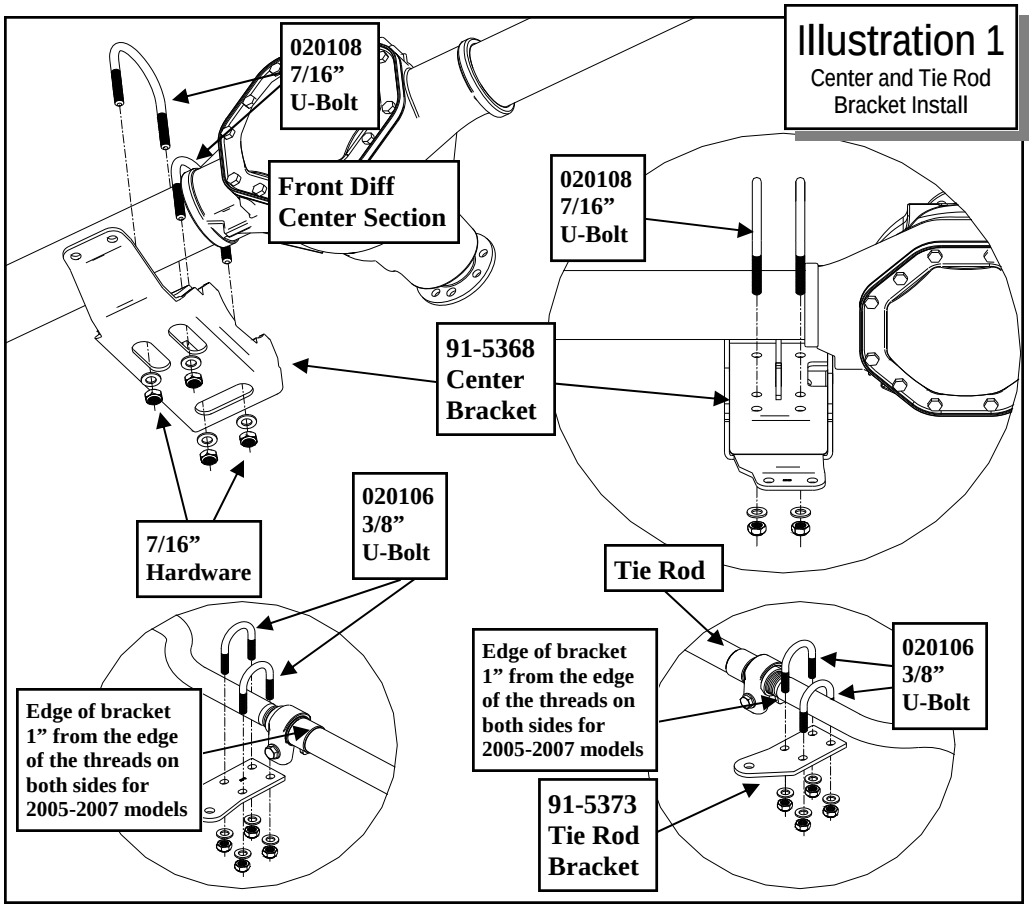
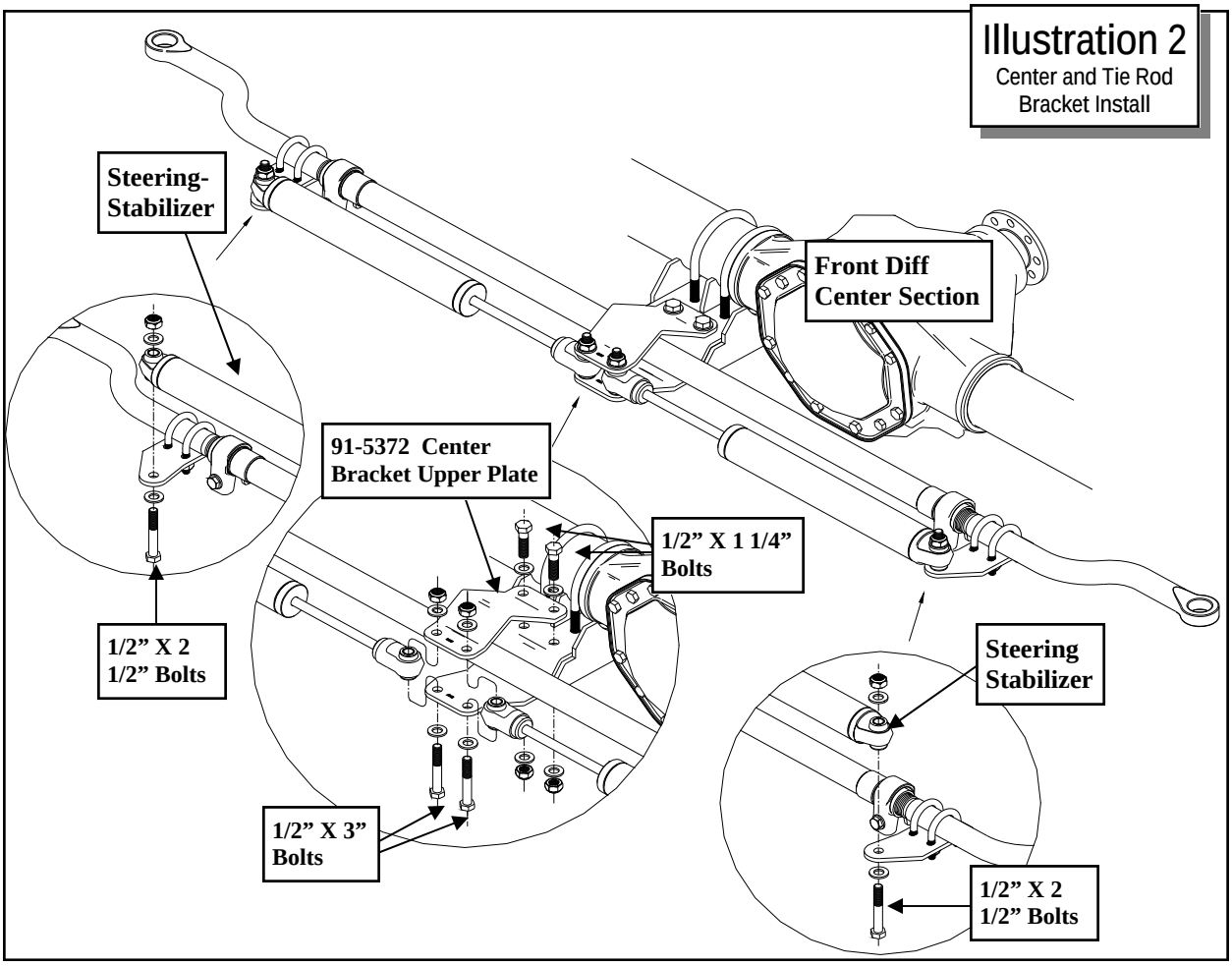


Illustration 2
Center and Tie Rod Bracket Install



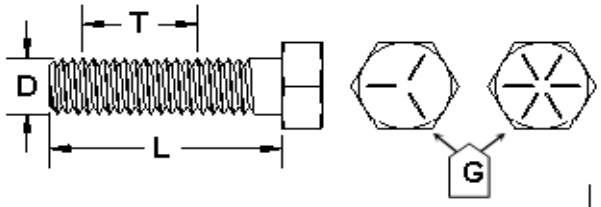
5372) to the center bracket using the supplied **1/2" X 1 1/4"**. Torque the **1/2"** hardware according to the torque chart on page 5.

7. Insert the shaft ends of the steering stabilizers**,** to the center bracket **(91-5368)** using the supplied **1/2" X 3"** shock bolts and hardware. See ILLUSTRATION 2.
8. Bolt the body end of the stabilizers to the newly installed stabilizer mount brackets using the supplied **1/2" X 2 1/2"** bolts and hardware. Torque the **1/2"** mounting bolt hardware according to the torque chart below. See ILLUSTRATION 2.
9. If necessary, adjust the brackets so that each stabilizer has an equal amount of shaft showing on each side. Re-torque the U-bolt hardware to prevent the brackets from moving.
10. 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.
11. 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	Grade8	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



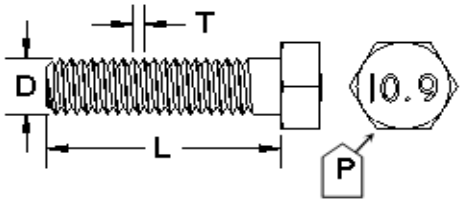
1/2-13x1.75 HHCS

D T L X

Grade 5 **Grade 8**

(No. of Marks + 2)

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



M12-1.25x50 HHCS

D T L X

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



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 warranties 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: _____