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Part#: 55311


Product: Dual Steering Stabilizer

Application: 2002-2012 Dodge 1500 4WD

## READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

**SAFETY WARNING** BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

### INSTALLATION INSTRUCTIONS

 Note: This kit is designed specifically for use with the BDS 6" suspension system for the Dodge 1500 4wd

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety. Turn the wheels so they are straight ahead.
2. Lightly grease and install the provided bushings and sleeves in the new steering stabilizer cylinders.
3. Locate the provided center offset mounting bracket (01540). Loosely install the body end of the stabilizer cylinders to the bracket with  $\frac{1}{2}$ " x 2- $\frac{1}{2}$ " bolts, nuts and  $\frac{1}{2}$ " washers using the holes on the contoured end of the bracket. Use a SAE (small) washer at the bolt head and a USS (large) washer at the threads (Fig 1) The cylinders mount to the outside surface of the bracket (opposite the bend) – see figure 1. The bolt heads must be to the inside of the bracket (bend side).

### PARTS LIST

Part #	Qty	Description
01540	1	Stabilizer Bracket 06 Dodge
321	1	Bolt pack
	4	$\frac{1}{2}$ "-13 x 2- $\frac{1}{2}$ " bolt
	6	$\frac{1}{2}$ "-13 prevailing torque nut
	4	$\frac{1}{2}$ " USS washer
	8	$\frac{1}{2}$ " SAE flat washer
	2	$\frac{1}{2}$ "-13 x 1- $\frac{1}{4}$ " bolt

### #55419 Stabilizer Kit

Part#	Qty	Description
5623	1	Stabilizer Cylinder
51792	2	Sleeves
SB58BK	2	5/8" I.D. Hourglass Bushing
01539	1	Tie Rod Bracket
560340138R	2	5/16" x 34" x 1-3/8" U-Bolt
308	1	Bolt Pack
	4	$\frac{1}{4}$ " USS washers
	4	5/16"-18 nut

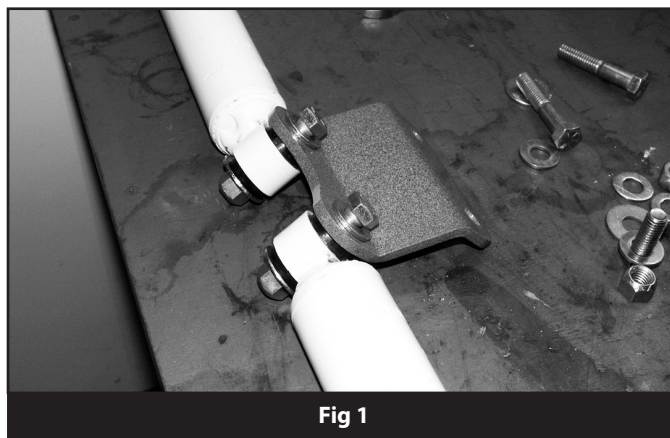


Fig 1

4. Locate the two provided tie rod brackets and u-bolts. Loosely install the brackets to the tie rods, with hardware from BP #308, so that the bracket sets against the end of the rack and pinion dust boot (Fig 2). The cylinder mounting tab should point in toward the center of the vehicle and the bracket mounts on the front side of the tie rod (the u-bolt nuts will be accessible from the front of the vehicle).

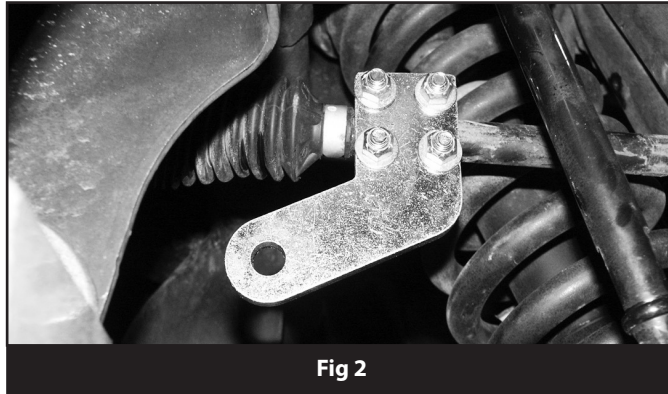


Fig 2

5. Install the steering stabilizers/center mounting bracket in the vehicle. Place the stabilizers on top of the lower control arms and line up the two bottom holes in the center bracket with the two corresponding holes in the BDS front crossmember. The center bracket should be offsetting the cylinders rearward. Fasten the bracket to the crossmember with  $\frac{1}{2}$ " x  $1\frac{1}{4}$ " bolts, nuts and  $\frac{1}{2}$ " SAE washers (Fig 3). Torque  $\frac{1}{2}$ " x  $1\frac{1}{4}$ " bolts to 60 ft-lbs.

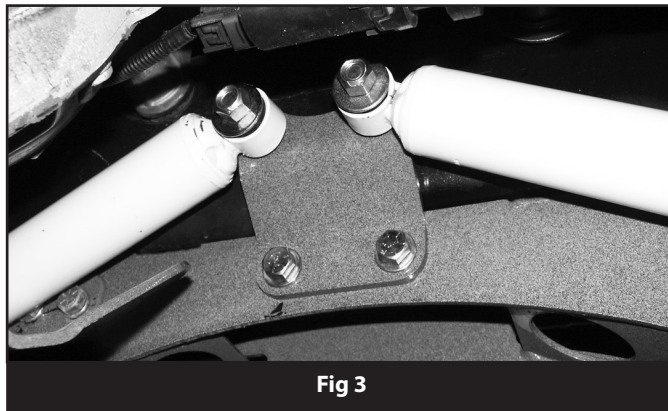


Fig 3

6. Loosely install the rod end of the stabilizer cylinders to the tie rod brackets with  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " bolts, nuts and  $\frac{1}{2}$ " washers. Use a SAE (small) washer at the bolt head and a USS (large) washer at the threads (Fig 4) The cylinders mount to the back surface of the brackets, the bolt heads should be to the front of the vehicle.

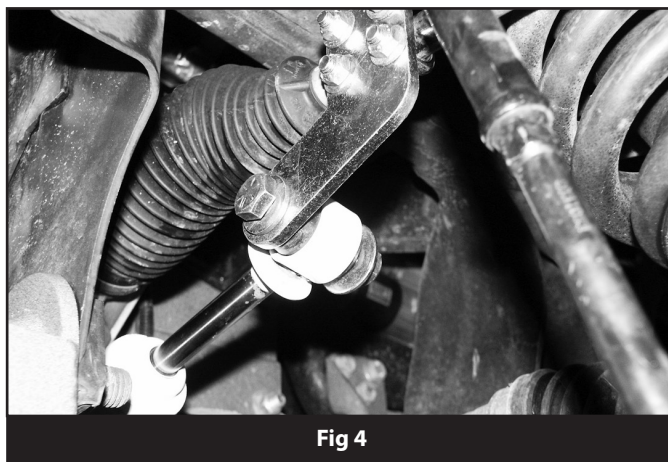


Fig 4

7. With the cylinders attached to both inner and outer mounts, ensure that the outer tie rod brackets are positioned straight up and down (perpendicular to the ground) and tighten the u-bolts to 10-15 ft-lbs. Note: The cylinders should have approximately  $3\frac{1}{2}$ " of rod showing.
8. Torque the  $\frac{1}{2}$ " stabilizer hardware to 60 ft-lbs.
9. With all hardware tightened properly, do a steering sweep and check for clearances, minor adjustments to the tie rod bracket may be necessary.

 Note: It may be necessary to trim the u-bolts to clear the sway bar links.

10. Check all hardware after 500 miles