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Part#: **55351**

Product: **Steering Stabilizer**

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.

PRODUCT SAFETY WARNING Certain BDS Suspension products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. BDS Suspension Co. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

PRE-INSTALLATION NOTES

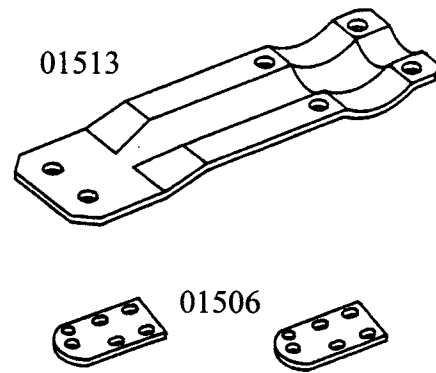
1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/ reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of BDS Suspension components. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, BDS Suspension Co. recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

POST-INSTALLATION WARNINGS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

PARTS LIST

Part #	Qty	Description
01513	1	Cast Axle Bracket
01506	2	Flat Tie Rod Brackets
383004000R	2	3/8"x3"x4" U-bolt
383140334R	2	3/8"x3-1/4"x3-3/4" U-bolt
5161140200R	4	5/16"x1-1/4"x2" U-bolt
P00932	2	Stud Pack
306	1	Bolt Pack
	8	1/4" USS Washers
	8	5/16"-18 Torque Prevailing Nuts
	4	3/8" SAE Washers
	4	3/8"-24 Torque Prevailing Nuts



INSTALLATION INSTRUCTIONS

1. Raise vehicle and support the frame with jack stands. Turn wheels until they are pointed straight forward.
2. Attach axle bracket #01513 to the bottom side of the axle tube in the center of the axle. On some applications, the center of the axle will be right next to the differential. Use the 3/8"x3"x3-1/2" u-bolts, or 3/8"x 3-1/4"x3-3/4" u-bolts, nuts, and washer to attach the axle bracket. Do not tighten the u-bolts at this time.
3. Install the supplied hourglass bushings and sleeves in to the cylinder eyes with a bench vise, c-clamp or equivalent. Install cylinder boots (available separately) at this time.
4. Attach the included shock mounting studs to the front two holes of the axle bracket. On Dodge and Ford F-250 applications, install the pins with the long end on the top side of the axle bracket. On Ford F-350 applications, install the long end down. Tighten mounting pins with supplied fasteners.
5. Attach the body ends of the shock cylinders to the mounting pins in the axle bracket with the supplied washers and nuts. Tighten down the shock stud mounts. (Fig1)

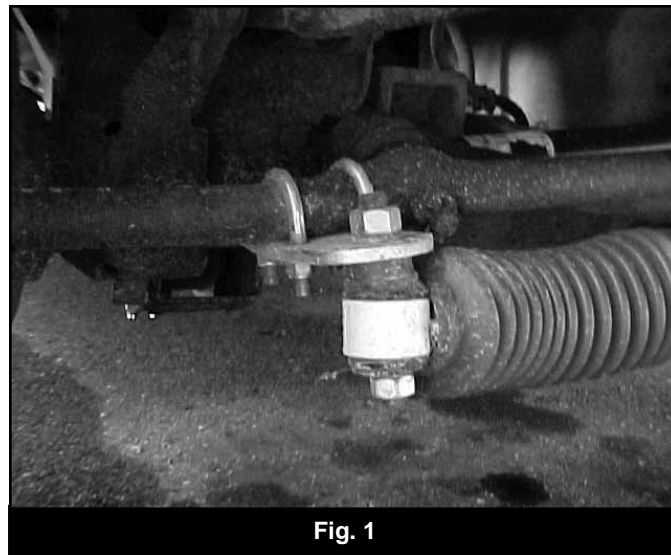
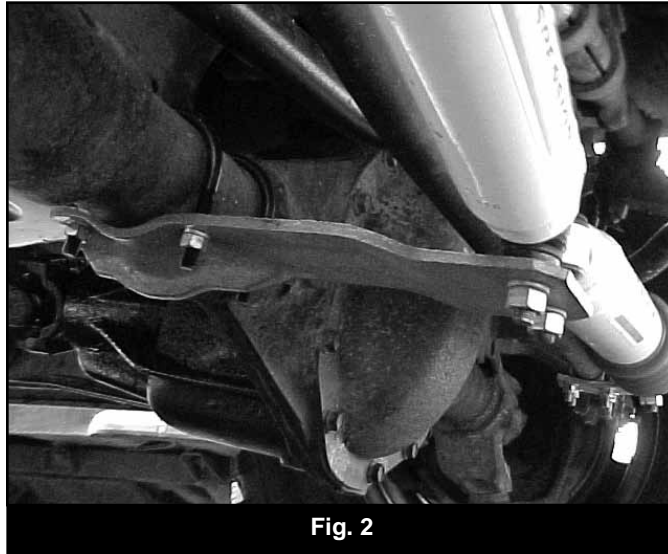


Fig. 1

6. Locate the same shock studs packaged with the 55404 steering stabilizers and attach them to the tie rod mounting brackets #01506 and secure. Attach the tie rod mounting bracket/pin assemblies to the rod end of the shock cylinders. Press the pin in the bushings and secure with supplied nut and washers.
7. Extend or compress the cylinder as needed so the eye to eye measurement is 18-7/8". With the cylinders at 18-7/8" attach the tie rod mounting bracket to the tie rods with the supplied 5/16"x1-1/4"x2" u-bolts. You may need to rotate the mounting bracket/cylinder in order to attach the tie rod mount. On Chevy, F-250's, and leaf spring Dodge applications, the mounting pins point upward. On F-350 models, the mounting pins point downward. On '94-up Dodge, the driver side pin points down and the passenger side points up. (Fig 2)



8. The entire assembly should now be installed and all fasteners should be snug, but not tight. Adjust the position of the mounting brackets to ensure that there is no interference with the vehicle frame, springs, or steering system. Torque 5/16" fasteners to 15 ft-lbs and 3/8" torque to 30 ft-lbs.
9. Slowly turn wheels fully right and left to insure that there is no steering interference and the cylinders are properly centered.
10. Periodically inspect the assembly for tightness.

NOTICE TO DEALER/INSTALLER

These instructions, the warning card, and included decals must be given to the owner of this BDS Suspension product.

For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.

Sold/Installed by: