



Part#: **55327**

Product: **Single Steering Stabilizer**

Application: **1/2 Ton Chevy**

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
	1	Frame Bracket
	1	L Tie Rod Bracket
	2	5/16"x1-1/4"x2" U-bolt
	1	3/8"x1" Thread Cutting Bolt
	4	1/4" USS Washers
	4	5/16"-18 Torque Prevailing Nuts

INSTALLATION INSTRUCTIONS

Note: If installing on a stock height vehicle, the passenger's side torsion bar must be unloaded. A special torsion bar unloading tool is to be used for this operation. This tool is available for rent or loan from most automotive part stores. Follow all instructions and safety warnings closely. Torsion bars are under extreme load even with the front wheels off of the ground.

1. Park the vehicle on a flat, clean surface and block the rear wheels for safety. Turn the wheels so they are straight.
2. Raise the front of the vehicle and support with jack stands under the frame rails.
3. If installing on a stock height vehicle, unload the passenger's side torsion bar now.
4. On stock height vehicles remove the passenger's side front lower control arm pivot bolt. On lifted vehicles with the lower control arms relocated, it will be the bolt mounting the new crossmember to the OE crossmember.
5. With the bolt removed, install the provided outside stabilizer bracket on the OE crossmember with the tab inside the crossmember pointing toward the front of the vehicle. Secure with the OE nut and washer. Snug but do not tighten the hardware.
6. Using the slotted hole in the bracket as a guide, drill a 5/16" hole in the OE crossmember. Install a supplied 3/8" self-tapping bolt in the hole and tighten securely.
7. Loosely install the provided inside stabilizer bracket to the steering center link with the 5/16"x1-1/4"x2"u-bolts, nuts and washers provided. Position the bracket so the cylinder mounting tab is facing the passenger's side.
8. Install a stem washer and bushing on the stem at the body end of the cylinder. Install the cylinder through the hole in the outside bracket and fasten with a second bushing, washer and nut. Do not tighten.
9. Extend the cylinder to half of its stroke length.
10. Install a stem washer and bushing on the stem and slide the inside bracket into position on the cylinder. Fasten the cylinder to the bracket with a second bushing, washer and nut. Do not tighten.
11. Adjust the cylinder so that it clears any obstructions by twisting the inside bracket around the center link. When the cylinder is adequately adjusted, tighten the nuts on each end until the bushings begin to swell. Install the jam nuts on each stem and tighten them against the standard nut. **Note:** *When adjusting the inside bracket position, take care not to change the initial cylinder length.*
12. Cycle the steering to check for any interference with the stabilizer and make any adjustments necessary.
13. Re-load torsion bars and set ride height to OE specifications.
14. Lower the vehicle to the ground and torque the OE control arm pivot bolt (or crossmember bolt if lifted) to 125 ft-lbs. Torque 5/16" u-bolts to 15 ft-lbs.
15. Check all hardware after 500 miles.

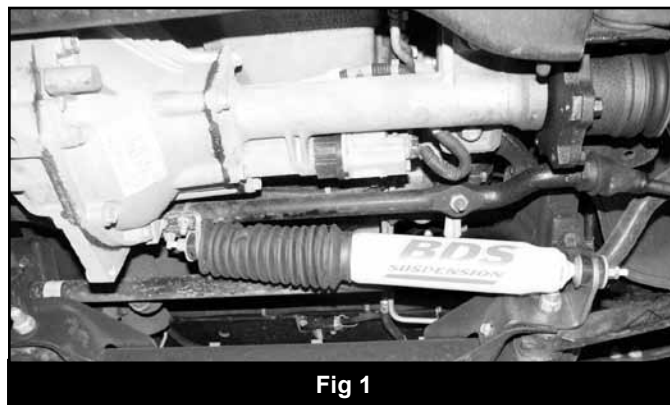


Fig 1