



Part#: **55312**

Product: **Single Steering Stabilizer**

Application: **2004 Ford F-150**

---

## **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
01538	1	Tie Rod End Bracket
01537	1	Inside Stabilizer Bracket
56100134R	2	5/16" x 1" x 1-3/4" Round U-bolt
B580500G8	1	5/8"-11 x 5" bolt - grade 8
W58S	2	5/8" SAE Washer
N58PT	1	5/8" Prevailing torque nut
01091	1	Steering Rack Spacer
308	1	Bolt Pack
	4	1/4" USS washer
	4	5/16"-18 locking nut

## 55402 Cylinder Contents

4805G	4	Stem Bushing
117300007	4	Stem Washer
N38FJ	2	3/8"-24 Jam Nut
N38FN	2	3/8"-24 Nut
222780	1	Shock Sticker
5402	1	Cylinder (Stem - Stem)

## INSTALLATION INSTRUCTIONS

1. Park vehicle on clean flat surface with steering wheel centered. Block rear wheels for safety.
2. Install bracket as shown on tie rod end. Edge of bracket will be flush with edge of tie rod. Attach with 5/16" u-bolts. Tighten hardware to 17 ft-lbs. **Figure 1**

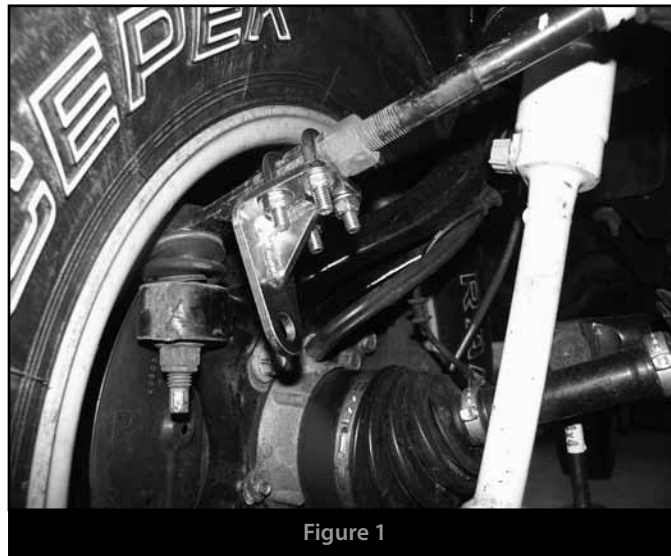
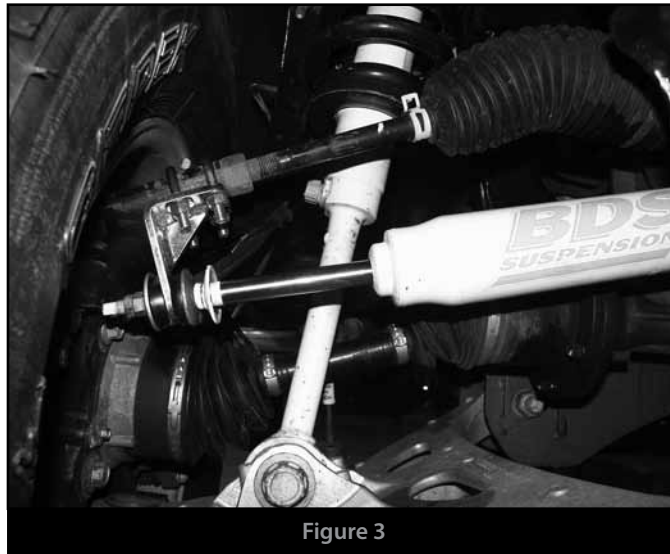


Figure 1

3. Install passenger's side stabilizer bracket in place of the factory bracket with new 5/8" x 5" bolt with a 1" spacer under the steering rack and above the stabilizer bracket. Attach stabilizer bracket to the frame with the factory 12mm bolt. Tighten 5/8" bolt to 125 ft-lbs and 12mm bolt to 60 ft-lbs.
- ⓘ *Note: The rack spacer will go above the stabilizer mounting bracket and below the steering rack.*
4. Install bushings and cup washers on end of stabilizer. Attach stabilizer to passenger's side rack and pinion mount, included with suspension lift kit and tie rod mount. **Figure 2**



5. Tighten 3/8" nuts on stabilizer until bushings begin to expand, lock off jam nuts to 25 ft-lbs. Figure 3



6. Cycle steering to ensure no interference occurs.
7. Recheck all fasteners. Check again after 500 miles and at regularly scheduled maintenance intervals.