



#3301, 7301 Installation Instructions Ford Super Duty & Excursion OE Replacement Steering Stabilizer

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products 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. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» **PRODUCT SAFETY WARNING**

Certain Zone 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. Zone Offroad Products 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.

Difficulty Level

easy ① 2 3 4 5 difficult

Estimated installation: hours

Special Tools Required

Hand tools

Tire/Wheel Fitment

» **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 Zone Offroad Products. Always wear safety glasses when using power tools.
 6. If installation is to be performed without a hoist, Zone Offroad Products 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.
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Kit Contents

Qty	Part
1	Cylinder
2	5/8" I.D. Hourglass bushings
1	5/8"x.060"x1.375 Sleeve
1	Shock Stud (P00932)

SAFETY WARNING

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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.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, level surface and block the wheels for safety.
2. Remove the OE steering stabilizer cylinder from the mounting bracket on the tie rod and from the front axle. Retain the hardware from the axle mount.
3. The tie rod has two sets of locating grooves in which the OE stabilizer bracket u-bolts mount. Ensure that the bracket is adjusted to the set of grooves closest to the center of the vehicle **Figure 1**. Torque the U-bolts to 20 ft-lbs.

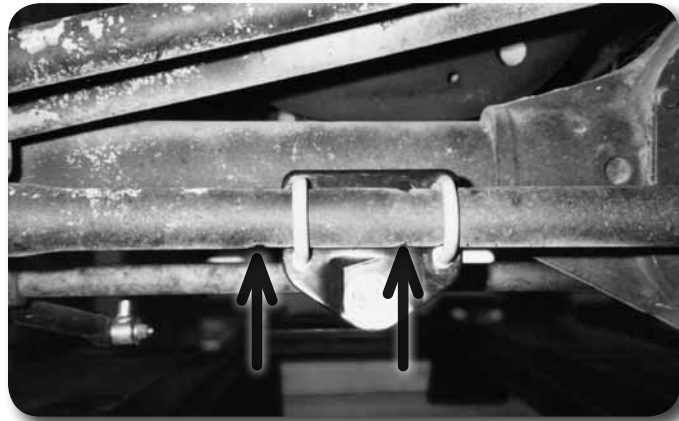


Figure 1

4. Mount the new stabilizer mounting stud to the OE tie rod mounting bracket. The stud mounts in the back side of the bracket facing the rear of the vehicle with the 1/2" nut, flat washer, and lock washer. Torque the stud to 35 ft-lbs.
5. Install a bushing in the rod end of the cylinder and a bushing and sleeve in the base of the cylinder.
6. Mount the base of the cylinder in the OE bracket at the axle. Check for any contact between the cylinder and the bracket. If there is contact, mark the area and grind the bracket to obtain clearance for the cylinder. **Figure 2** Paint any bare metal.

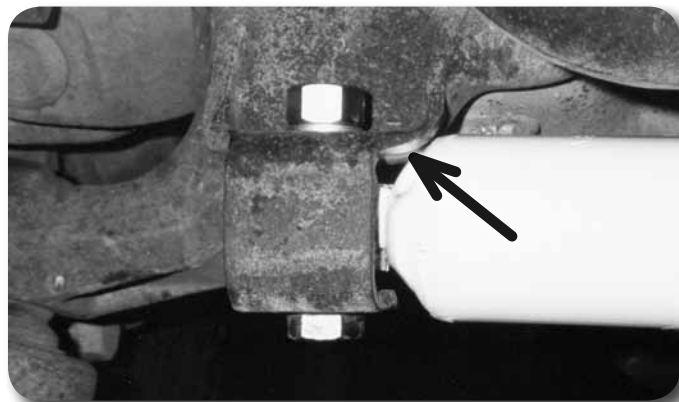


Figure 2

7. Mount the base of the stabilizer cylinder to the axle using the stock hardware. Mount the opposite end to the new stud at the tie rod with a 7/16" nut, flat washer, and lock washer. Torque the fasteners to 30 ft-lbs.
8. Perform a full steering sweep to ensure that there is no binding. Check for cylinder to axle bracket contact and perform addition clearance grinding as needed. Also check for contact between the u-bolts at the tie rod bracket and the cylinder. The excess thread on the u-bolts can be cut off if clearance is needed.