

# Replacement Steering Stabilizer Kit

Installation Manual: for '87-'95 (YJ) and '97-'06 (TJ) Wrangler  
#16116.0200



## PARTS LIST:

Steering Damper  
Black Boot & Boot Tie  
Decal  
Hourglass Bushing - Qty 2  
Sleeve - Qty 1  
Stud Kit:  
Stud - Qty 1  
7/16" Flat Washer - Qty 1  
7/16" Lock Washer - Qty 1  
7/16" Nut - Qty 1  
1/2" Nut - Qty 1

## TOOLS REQUIRED:

Safety Glasses  
15mm and 19mm Sockets  
18mm Wrench  
19mm Socket  
11/16" Socket  
Needle Nose Pliers  
Side Cutters  
Torque Wrench  
Hammer  
Penetrating Oil  
Pickle Fork

### **⚠ WARNING ⚠**

**TO REDUCE RISK OF SERIOUS INJURY OR PROPERTY DAMAGE: READ ALL SAFETY MESSAGES AND UNDERSTAND ALL INSTRUCTIONS AND PROCEDURE NOTICES BEFORE ATTEMPTING TO INSTALL OR USE THIS PRODUCT. FOLLOW ALL INSTRUCTIONS AND WARNINGS WITH PRODUCT & VEHICLE OWNERS MANUAL.**

### **⚠ CAUTION ⚠**

**RISK OF EYE INJURY! SAFETY GLASSES MUST BE WORN AT ALL TIMES WHILE INSTALLING OR MAINTAINING THIS PRODUCT. TORQUE AND RECHECK FASTENERS AFTER 100 MILES AND PERIODICALLY THEREAFTER. DO NOT USE IF DAMAGED.**



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### A Few Words About Product Safety:

Your Quadratec Suspension product is intended to enhance the utility and enjoyment of your off road capable vehicle. Before installation, please review the following safety information and installation recommendations.

Throughout these instructions important safety information is generally preceded by one of three signal words indicating the relative risk of injury, property damage or adverse consequence. **The signal words mean:**

#### **⚠ WARNING ⚠**

a hazardous situation which, if not avoided, could result in death or serious injury. You **CAN** be **KILLED** or **SERIOUSLY HURT** if you don't follow instructions.

#### **⚠ CAUTION ⚠**

a hazardous situation which, if not avoided, could result in minor or moderate injury. You **CAN** be moderately **HURT** and also may suffer property damage if you don't follow instructions.

#### **NOTICE**

Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your Quadratec® product or other property may result if you don't follow instructions.

### Before You Begin Installation:

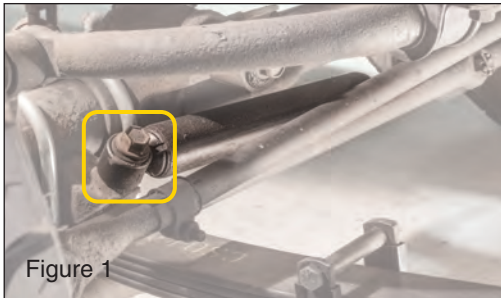
Congratulations on your purchase of the Quadratec Steering Stabilizer Kit for Jeep® Wrangler Vehicles. When unpacking, check to make sure all

parts are included and not damaged due to shipping. If any part is missing or broken, please call Customer Service at 800-745-6037 as soon as possible.

### Steering Stabilizer Removal 87-95 (YJ)

#### **⚠ CAUTION ⚠**

**PARK THE VEHICLE ON FLAT, LEVEL GROUND AND SET EMERGENCY BRAKE. POSITION WITH FRONT WHEELS AND TIRES STRAIGHT FORWARD.**



**For 87-95 (YJ) vehicles** remove the bolt on the axle end using a 19mm socket. Save for later use. (See FIG 1) Remove tie rod stud cotter pin using needle nose pliers. Remove castle nut using a 19mm socket. (see FIG 2) The stud is a tapered



press fit and may be difficult to remove. We recommend using a penetrating oil and a pickle fork. A hammer may be used to tap on the end of the stud to help break it loose.



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### Steering Stabilizer Removal 97-06 (TJ)



Figure 3

*For 97-06 TJ vehicles* remove the axle end bolt and nut using a 15mm socket and 18mm wrench. Save hardware for later use. Remove drag link stud cotter pin using needle nose pliers. Remove castle nut using a 19mm socket. (see FIG 3) The stud is a tapered press fit and may be difficult to remove. We recommend using a penetrating oil and a pickle fork. A hammer may be used to tap on the end of the stud to help break it loose.



*NOTE: Installation varies depending on the year of your vehicle: either 87-95 (YJ) or 97-06 (TJ). This kit is compatible with both versions.*

### Steering Stabilizer Installation (all)



Figure 4

*Install supplied boot over new stabilizer and secure using the boot tie. Install one supplied hourglass bushing and sleeve into the body end of the stabilizer.*



Figure 5

*Install one hourglass bushing into shaft end of stabilizer. (see FIG 4) Install the new tapered stud into original position using the 1/2" nut, torque to 53 ft lbs using a 19mm socket. (see FIG 5)*



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## Steering Stabilizer Installation

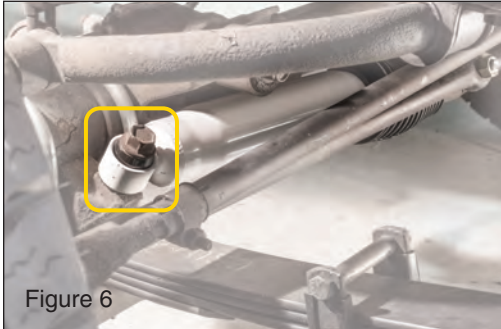


Figure 6

*Install stabilizer onto axle bracket using the original hardware, loosely at this time. (FIG 6 for 87-95 & FIG 7 for 97-06)*



Figure 7

*Note: Be sure to install so the cylinder body is mounted to the axle side as shown. If mounted opposite way damage can occur to new stabilizer.*

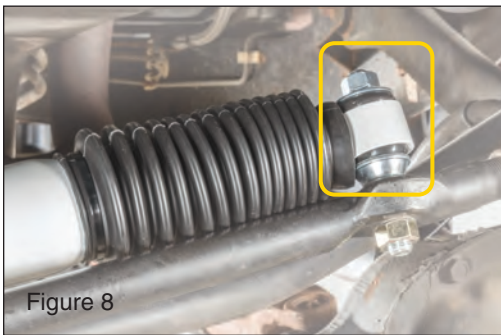


Figure 8

*After installation be sure to cycle steering and check for adequate clearance. In most cases it will be necessary to rotate the stabilizer bracket on the tie rod down slightly to allow for clearance.*

*Slide shaft end of stabilizer over stud and secure with the 7/16" flat washer, lock washer and nut using a 11/16" socket. (see FIG 8) Tighten until lock washer is compressed, bushings start to collapse and expand in diameter so there is pressure on it. Finally Torque axle end hardware to 55ft lbs.*

*Cycle steering again fully left to right and check for proper clearance. After the first 100 miles check all of the hardware for proper torque and periodically thereafter.*

*See separate sheet for Limited Warranty.*

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**What is Covered:** Subject to the terms, exclusions and limitations herein and with respect only to Quadratec branded accessories first sold in the United States, Quadratec warrants to the initial retail purchaser only that your Quadratec accessory shall be free of defects in material and workmanship: **for as long as the original purchaser owns the vehicle. The Warranty on bushings and other serviceable wear items (including shock absorbers) is limited to 1 year from date of retail purchase.** This Limited Warranty is not assignable and shall terminate upon sale of the vehicle upon which the Quadratec accessory is installed or other transfer third persons.

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Your Quadratec Limited Warranty does not cover products or parts Quadratec determines to have been damaged by or subjected to: (a.) installation damage, alteration, modification, combination with other parts, failure to maintain or improper repair or service, (b.) defects or use which pre-dates installation of Quadratec® accessory

or suspension kit by authorized dealer or shop, (c.) normal wear & tear or gradual reduction in expected performance of vehicle or components, (d.) emissions control or electronic stability systems or components, (e.) cosmetic damage or damage from moisture or water immersion, (f.) fleet, rental or commercial use, (g.) Acts of God, accidents, misuse, negligence, inadequate mounting or impact with vehicle(s), obstacles or other aspects of the environment, (h.) theft, vandalism or other intentional damage. (i.) use in competition or racing.

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**Remedy Limited to Repair/Replacement:**

The exclusive remedy provided hereunder shall, upon Quadratec inspection and at Quadratec's option, be either repair or replacement of product or parts (new or refurbished) covered under this Limited Warranty. Customers requesting warranty consideration should first contact Quadratec to obtain a RGA number (610-701-3336). All labor, removal, shipping and installation costs are customer's responsibility.

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In consideration of the purchase price paid, neither Quadratec nor any independent Quadratec distributor/licensee are responsible for any time loss, rental costs, or for any incidental, consequential, punitive or other damages you may have or incur in connection with any part or product purchased. Your exclusive remedy hereunder for covered parts is repair/replacement as described above.

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