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## **INSTALLATION INSTRUCTIONS FOR: RE1001**

### **2007-2017 JEEP WRANGLER JK DUAL STEERING STABILIZER BRACKET KIT**

#### **Safety Warning:**

Suspension systems or components that enhance the off-road performance of your vehicle may cause it to handle differently, on and off-road, than it did from the factory. Care must be taken to prevent loss of control or vehicle rollover during sudden maneuvers. Failure to drive the vehicle safely may result in serious injury or death to driver and passengers. We recommend you always wear your seatbelt, drive safely and avoid quick turns and other sudden maneuvers. Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.

#### **Installation Warning:**

We recommend that certified technicians perform the installations of our products. Attempts to install these products without knowledge or experience may jeopardize the safety of the vehicle. These instructions only cover the installation of our products and may not include factory procedures for disassembly and reassembly of factory components. Read instructions from start to finish and be sure all parts are present before disassembling the vehicle. Included instructions are guidelines only for recommended procedures and in no way are meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications. Do not perform test drives on public roads with partially completed installations. Always double and triple check your work before use.

#### **RE1001 DUAL STEERING STABILIZER BRACKET KIT:**

- 2 020101 U-BOLT: 3/8"-16**
- 4 020109 U-BOLT: 5/16"-18**
- 1 86-7752 AXLE BRACKET**
- 1 86-RM24322 LOGO ASM**
- 2 86-RM24324 TIE ROD BRACKET**
- 1 90-6253 HARDWARE PACK:**
  - 2 1/2" X 3" HEX BOLT GR. 8
  - 2 1/2" STOVER NUT
  - 4 1/2" HARDENED FLAT WASHER
- 2 90-6664 HARDWARE PACK:**
  - 2 3/8" FLANGED NUT
- 1 90-6683 HARDWARE PACK:**
  - 2 1/2" X 2 1/2" HEX BOLT GR. 8
  - 2 1/2"-20 STOVER NUT
  - 4 1/2" HARDENED FLAT WASHER
- 6 90-1216 LOAD WASHER: 1.50" O.D. X .532" I.D.**

#### **SOLD SEPARATELY:**

- 2 RXJ2000B STEERING STABILIZER (Sold Separately)**

### **REQUIRED TOOLS:**

Basic mechanics' hand tools  
Vehicle Hoist

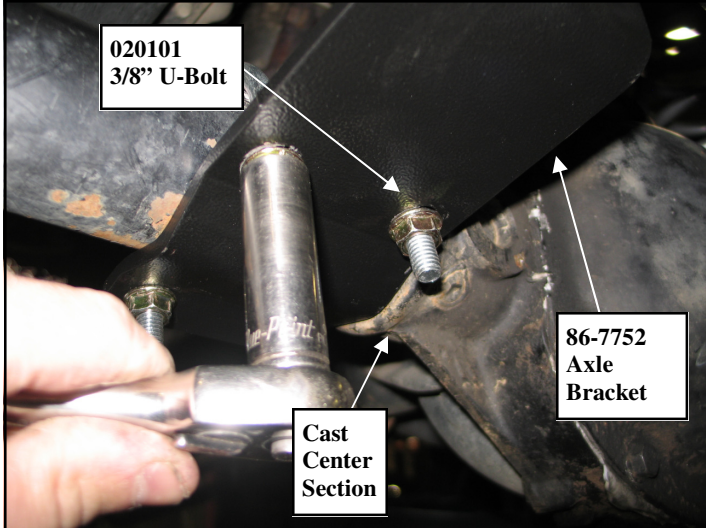
Jack Stands  
Floor Jacks

## **Vehicle Preparation:**

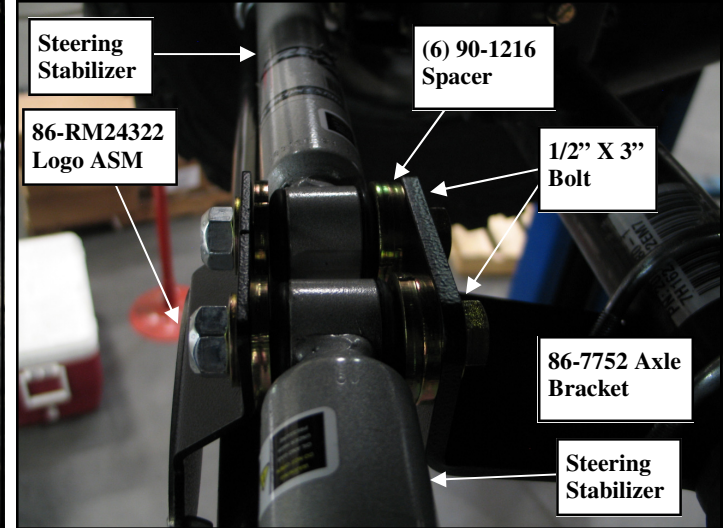
1. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Center the steering wheel, block the rear tires and set the emergency brake. Lift front vehicle off the ground and support vehicle with Jack stands/vehicle hoist.

## **Installation:**

- A. Remove the factory steering stabilizer and tie rod mount and discard.
- B. Install the axle bracket, 86-7752, to the front differential passenger side axle tube using 3/8" U-bolts, 020101, and 3/8" hardware. Be sure to bracket is touching the cast center section. Do not tighten the hardware at this time. **(PHOTO 1)**
- C. Install the body end of the steering stabilizers, RXJ2000B, into the axle bracket, 86-7752 and logo ASM, 86-RM24322, using the 1/2" X 3" bolts, (6) spacers, 90-1216, and hardware. The spacers are allowing you to position the steering stabilizers so they do not bind or make contact with other suspension components. We recommend putting (2) spacers behind the steering stabilizer and one between the steering stabilizer and the logo ASM. **(Photo 2)**



**Photo # 1**



**Photo # 2**

- D. Install the tie rod brackets, 86-RM24324, to the shaft end of the steering stabilizers, RXJ2000B, using the 1/2" X 2 1/2" bolts and hardware.

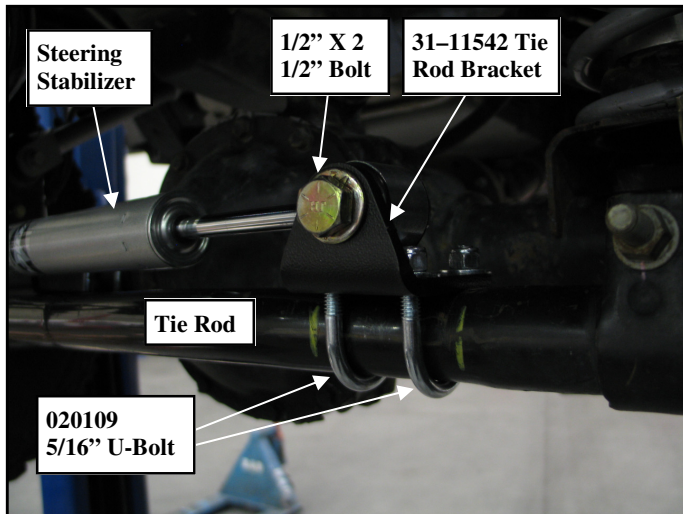
Steps E and F are for the passenger side steering stabilizer and tie rod bracket.

E. At full extension, compress the steering stabilizer, RXJ2000B, 1/4" to ensure it doesn't overextend.

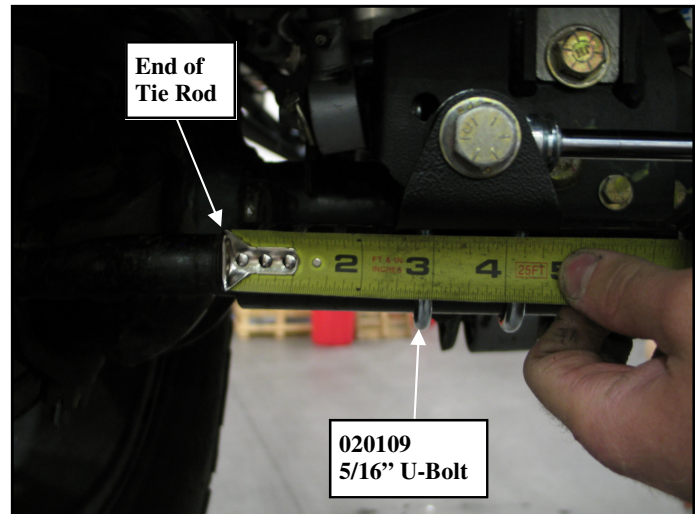
F. Turn the wheels full lock to the passenger side and raise the steering stabilizer, RXJ2000B, and tie rod bracket, 86-RM24324, assembly to the OE tie rod and attach using the supplied 5/16" U-bolt, 020109, and hardware. **(Photo 3)**

**IMPORTANT:** Be sure there is 3" between the end of the OE tie rod and the outside U-bolt. **(Photo 4)**

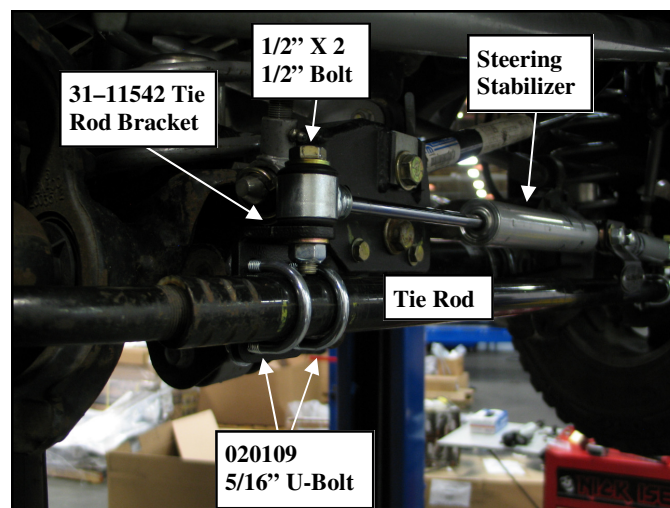
**NOTE:** If HI-Steer kit, RE2621, is installed on vehicle, tie-rod bracket will need to be mounted as shown in **(photo 5)**.



**Photo # 3**



**Photo # 4**



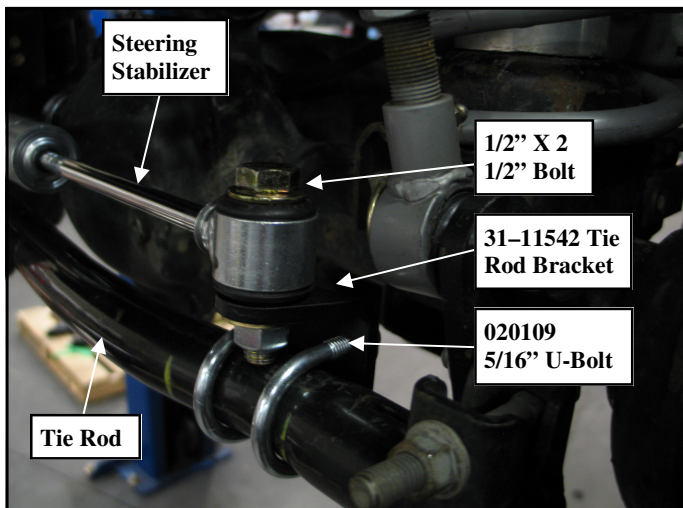
**Photo # 5**

Steps G and H are for the driver side steering stabilizer and tie rod bracket.

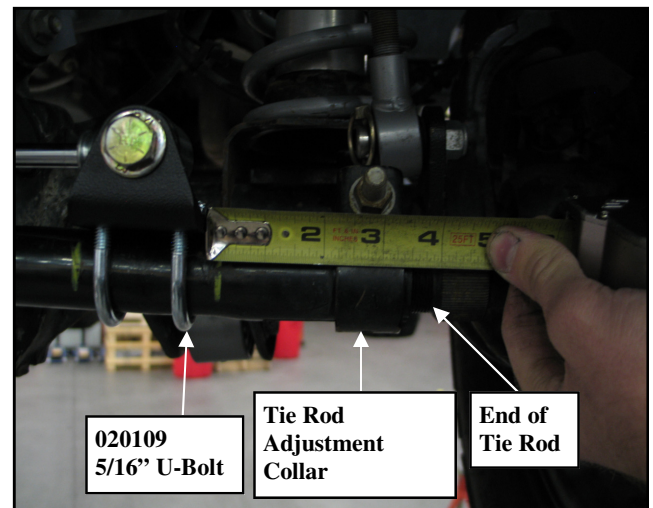
G. With the steering stabilizer, RXJ2000B, fully extended, compress the steering stabilizer 1/4" to ensure it doesn't become overextended.

H. Turn the wheels full lock to the driver side and raise the steering stabilizer, RXJ2000B, and tie rod bracket, 86-RM24324, assembly to the OE tie rod and attach using the supplied 5/16" U-bolt, 020109, and hardware. **(Photo 6)**

**IMPORTANT:** Be sure there is 3 1/2" between the end of the OE tie rod and the outside U-bolt to accommodate the adjustment collar. **(Photo 7)**



**Photo # 6**



**Photo # 7**

- I. Tighten all the mounting hardware. Cycle the steering from lock to lock to ensure the steering stabilizers do not limit steering travel or contact any other suspension parts. Reposition axle bracket, 86-7752, and tie rod brackets, 86-RM24324, if necessary.
- J. Torque 5/16" steering stabilizer mounting hardware to 17 ft./lbs. Torque 3/8" steering stabilizer mounting hardware to 23 ft./lbs.
- K. Re-torque all the newly installed hardware after 100 miles or any off road use.

### **Installation review:**

- 1. Torque all the bolts to factory specifications. Be sure to double check your work.
- 2. Recheck all bolts after 50 miles and again after every off road excursion.







## **RUBICON EXPRESS ADVANTAGE LIFETIME WARRANTY**

### ***Notice to Owner, Operator, Dealer and Installer:***

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Rubicon Express reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure that the Dealer / Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Rubicon Express product.

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Rubicon Express reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components. Further, installation of certain Rubicon Express products may void the vehicle's factory warranty as it pertains to certain covered parts; it is the consumer's responsibility to check with their local dealer for warranty coverage before installation of the lift.

### ***Warranty and Return Policy:***

Rubicon Express warrants its full line of products to be free from defects in workmanship and materials for the life of the product. Rubicon Express's obligation under this warranty is limited to repair or replacement, at Rubicon Express's option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Rubicon Express is not responsible for damages and / or warranty of other vehicle parts related or non-related to the installation of Rubicon Express product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications.

Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Rubicon Express or at any factory authorized Rubicon Express dealer.

### ***Claims not covered under warranty:***

- Parts subject to normal wear; this includes bushings\*, shock absorbers, driveshafts, ball joints, tie rod ends and heim joints.
- Discontinued products at Rubicon Express's discretion.
- Finish after 90 days.

Rubicon Express accepts no responsibility for any altered product, improper installation, lack of or improper maintenance or improper use of our products.

**\*Rubicon Express PT-MEG Super-Ride bushings are covered by the Rubicon Express Advantage Lifetime Warranty, and will be replaced in the event of failure for the life of the product.**