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Revisions

Rev.

Description

Date

Approved

A

Revised Per ECO 18-012

2/27/18

A.S.



Jeep Wrangler Steering Stabilizer Relocation Bracket

Installation Instructions

Applications:
2007-2018 Jeep Wrangler (JK)



TITLE:

**JEEP WRANGLER STEERING
STABILIZER RELOCATION BRACKET
INSTALLATION INSTRUCTIONS**

SIZE

DWG NO:

REV

A

8007-INST

A

SCALE: N/A

PAGE 1 OF 5



JEEP WRANGLER STEERING STABILIZER RELOCATION BRACKET INSTALLATION INSTRUCTIONS

Thank you for purchasing the best aftermarket products available for your vehicle. We strongly feel that the parts you are about to install should meet or exceed your expectations for performance. Proper assembly is critical to the performance of these components and the vehicle as a whole. Please take the time to carefully read these instructions and familiarize yourself with the installation procedure before working on your vehicle. If you have any questions PLEASE contact Synergy Manufacturing BEFORE beginning installation. Thanks again for supporting Synergy – enjoy the performance benefits of the best aftermarket products available for your vehicle!

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Modifying or otherwise altering vehicle components may cause the vehicle to handle differently than originally designed. It is the driver's responsibility to familiarize themselves with the performance and handling characteristics of the modified vehicle. Vehicles with larger diameter than stock tires must be driven carefully and cannot be expected to perform as stock or meet OEM performance with regard to handling, braking or crash performance. Ensure all replacement components are compatible with vehicle capacities so as not to overload components, especially tires. It is up to the individual to ensure that the vehicle and all components are compatible with the intended vehicle use, including load ratings, road conditions, and driver abilities. Thorough and frequent vehicle inspections are recommended to ensure a safe and reliable state of readiness, especially after off-highway use.



PARTS LIST

8007 JEEP JK STEERING STABILIZER RELOCATION BRACKET		
QTY	Part Number	Description
1	800701	JEEP JK 07-18 STABILIZER RELOCATION BRACKET
2	N/A	3/8-16 UNC 1" LONG GR8 HEX BOLT
2	N/A	3/8-16 UNC LOCK NUT
4	N/A	3/8 FLAT WASHER
1	N/A	½-20 UNF 2.5" LONG GR8 HEX BOLT
1	N/A	½-20 UNF LOCK NUT
2	N/A	½ FLAT WASHER

GENERAL NOTES

- These instructions are also available on our website; www.synergymfg.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- This steering stabilizer bracket will work with the Synergy Manufacturing track bar relocation bracket or no track bar relocation bracket at all. It may work with other manufacturers track bar relocation brackets however Synergy cannot guarantee fitment.
- This steering stabilizer bracket enables the use of the FOX-982-24-941 steering stabilizer or factory stabilizer. Other steering stabilizers can likely be used but you will be required to check fitment.
- A minimum of 2" bump stop spacing is required to prevent the steering stabilizer relocation bracket from contacting the frame when the suspension is at full bump. Most lift kits include and require a bump stop spacer this tall.
- 2011+ Jeeps will require the use of the 8003-20 Tie Rod Clamp. The factory clamp cannot be flipped; it will interfere with the differential cover.

TOOLS REQUIRED

- Basic Hand Tools (Wrenches and sockets)
- Torque Wrench Recommended

ESTIMATED INSTALLATION TIME

1 Hour

INSTALLATION

1. Make sure the vehicle is in park with the e-brake set on level ground.
2. Remove the factory steering stabilizer.
3. Install the new steering stabilizer relocation bracket under the track bar mounting bolt on the factory axle bracket.
4. Attach the two additional 3/8 bolts to the factory track bar bracket. If you are not using this bracket with a track bar relocation bracket you will need to install the inner bolt with the bolt head on the inside of the bracket or omit it completely, depending on interference with the track bar. **Figure 1** shows the bracket installed on a Synergy Track Bar Relocation Bracket.

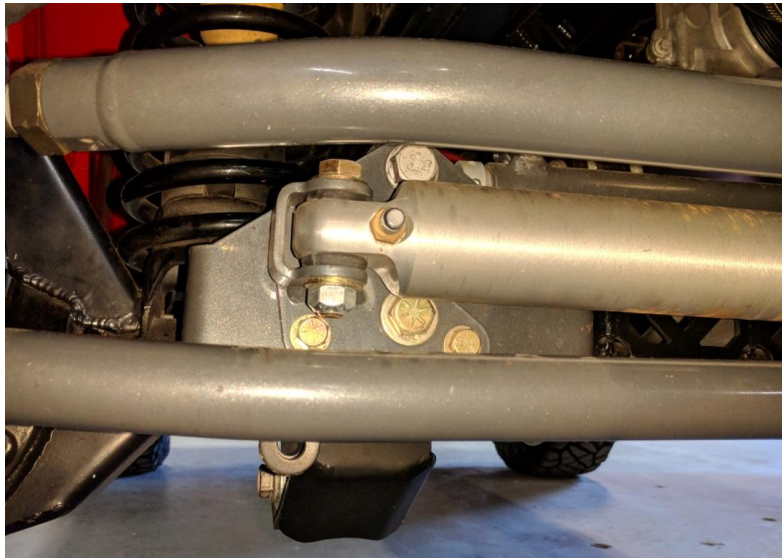


Figure 1. Stabilizer Bracket Installed on Track Bar Relocation Bracket

5. Tighten the track bar bolt to 125 ft-lbs and the 3/8" bolts to 40 ft-lbs

6. Rotate the factory tie rod bracket to the top of the tie rod or install the Synergy Manufacturing 8003-20 Tie Rod Clamp. Do not tighten yet, you will need to position the tie rod bracket correctly side to side when the steering stabilizer is installed. **Figure 2** shows the factory tie rod bracket rotated to the top of the tie rod.



Figure 2. Factory Tie Rod Bracket ‘Flipped’

7. Install the steering stabilizer. Tighten the ½” bolt to 75 ft-lbs.
8. Position the tie rod clamp on the tie rod so that you have full steering and full travel of the steering stabilizer. The easiest way to do this is to fully extend the stabilizer and turn steering wheel to full lock. Torque the factory tie rod clamp u-bolt nuts to 20 ft-lbs and large nut to 50 ft lbs. If you are using the Synergy Manufacturing 8003-20 clamp, torque the socket head pinch bolts to 20 ft-lbs and ½” bolt to 75 ft-lbs. Torque the two set screws to 20 ft-lbs. After tightening all fasteners, cycle the steering to full lock in each direction. Carefully check to make sure the stabilizer and the clamp are not going to hit any other components, like the diff cover, track bar, track bar bolt, etc. It may be necessary to flip the body of the stabilizer depending on available clearance. **Figure 3** shows the Synergy 8003-20 Tie Rod Clamp correctly installed.



Figure 3. Synergy 8003-20 Clamp Installed On Tie Rod

INSTALLATION IS COMPLETE