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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 (RHD)

Installation Instructions

Applications:
2007-2018 Jeep Wrangler (JK) RHD



TITLE:

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

SIZE	DWG NO:	REV
A	8094-INST	A
SCALE: N/A		PAGE 1 OF 5



JEEP WRANGLER STEERING STABILIZER RELOCATION BRACKET RHD 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!

Synergy Manufacturing
Phone: (805) 242-0397
Email: support@synergymfg.com

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

8094 JEEP JK STEERING STABILIZER RELOCATION BRACKET RHD		
QTY	Part Number	Description
1	809401	JEEP JK 07-18 STABILIZER RELOCATION BRACKET, RHD
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	1/2-20 UNF 2.5" LONG GR8 HEX BOLT
1	N/A	1/2-20 UNF LOCK NUT
2	N/A	1/2 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 only work with the stock track bar bracket. It is not compatible with aftermarket track bar relocation brackets.
- 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 1" 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.
- This bracket requires the use of the Synergy 8003-20 Tie Rod Clamp for proper installation.

TOOLS REQUIRED

- Basic Hand Tools (Wrenches and sockets)
- Drill with 3/8" or 9.5mm metal cutting drill bit
- 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. Turn the wheels all the way to the left.
3. Remove the factory steering stabilizer. And the factory track bar bolt on the axle side.
4. Install the new steering stabilizer relocation bracket under the track bar mounting bolt on the factory axle bracket. Loosely tighten the track bar bolt nut to hold the steering stabilizer relocation bracket into place.
5. Using a drill with a 3/8" or 9.5mm bit drill the side and bottom of the factory track bar bracket to match the holes in the new track bar relocation bracket. The side hole is difficult to get a straight shot with the drill, you may need to drill down at a slight angle. **Figures 1 and 2** show the locations of the holes to drill.

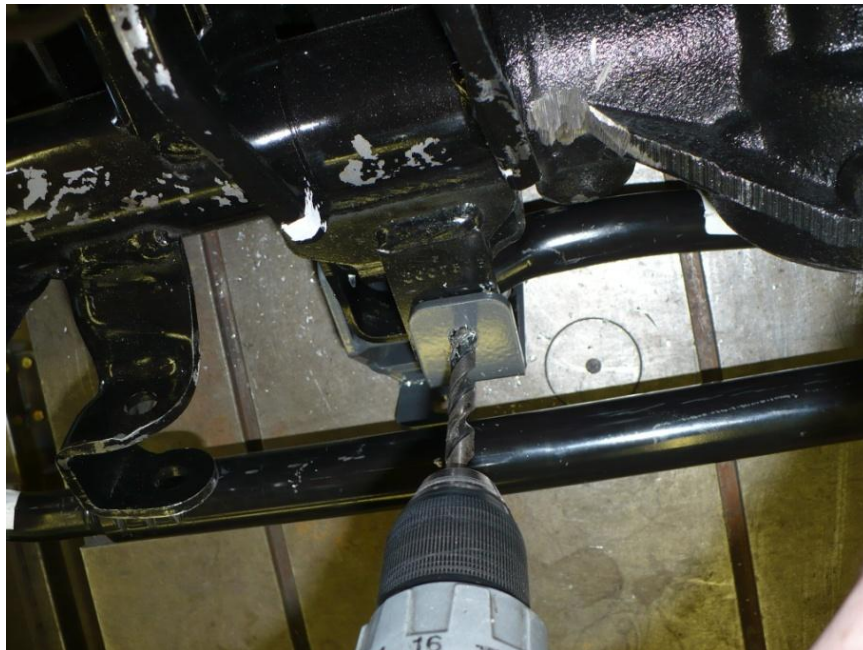


Figure 1. Drilling Bottom Hole for Stabilizer Bracket



Figure 2. Drilling Side Hole for Stabilizer Bracket

6. Install the two additional 3/8" bolts to the factory track bar bracket. Use a washer under both the head of the bolt and under the head of the nut. Torque this 3/8" hardware to 40lb-ft (54 N-m).
7. Tighten the track bar bolt to 125 lb-ft (170 N-m).
8. Install the 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.
9. Install the steering stabilizer. Re-use the factory steering stabilizer bolt and tighten to 75 lb-ft (100 N-m). **See Figure 3.**



Figure 3. Bracket Installed With Stabilizer

10. 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. Make sure the tie rod clamp is rotated forward enough so the steering stabilizer does not move back into the diff cover when turning right. 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 4** shows the Synergy 8003-20 Tie Rod Clamp correctly installed.

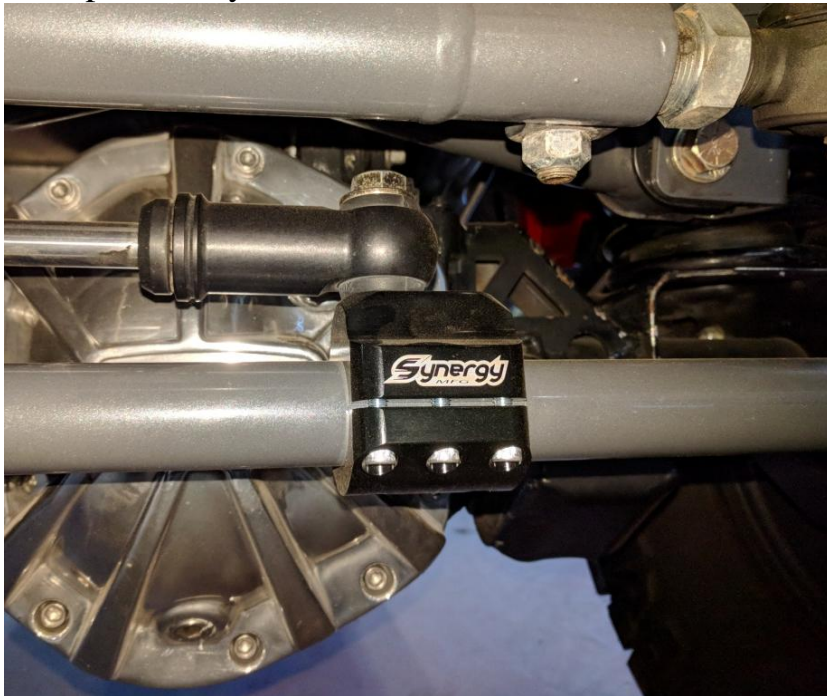


Figure 4. Synergy 8003-20 Clamp Installed On Tie Rod

INSTALLATION IS COMPLETE