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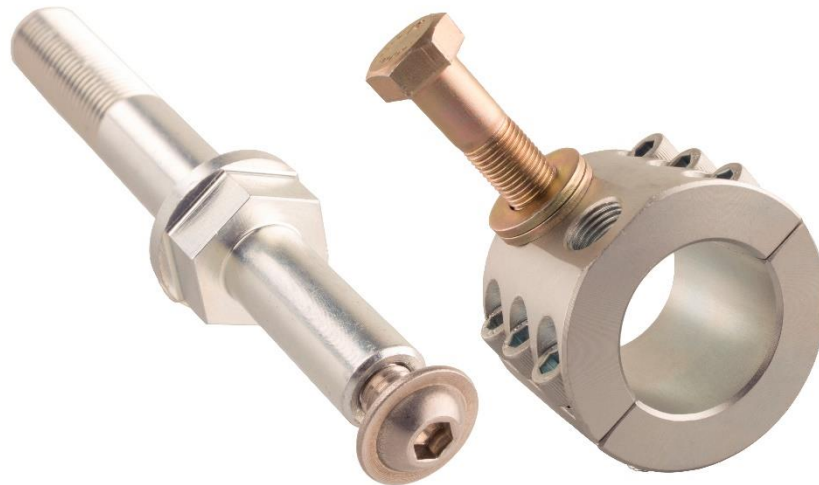
Revisions			
Rev.	Description	Date	Approved
A	Initial Release Per ECO 18-129	12/06/18	A.S.



Jeep JL Steering Stabilizer Relocation Kit

Installation Instructions

Applications:
2018+ Jeep Wrangler JL



TITLE:
JEEP JL STEERING STABILIZER RELOCATION KIT INSTALLATION INSTRUCTIONS

SIZE	DWG NO:	REV
A	8807-03-INST	A
	SCALE: N/A	PAGE 1 OF 6



JEEP JL STEERING STABILIZER RELOCATION KIT 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!

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

8807-03 JEEP JL STEERING STABILIZER RELOCATION KIT		
QTY	Part Number	Description
1	8806-01	Track Bar Stabilizer Mount Stud
1	BM08-1.5X16-SS	M8X1.5 Button Head Screw
1	405050-01-PL	1-1/2 inch Tie Rod Clamp Top Half
1	405050-01-PL	1-1/2 inch Tie Rod Clamp Bottom Half
6	SC-5-10	5/16-18 x 1.0" Socket Head Cap Screw
1	HF8-8-20	1/2-20 x 2" Grade 8 Hex Head Bolt
2	WF8-8	1/2" Grade 8 Washer

GENERAL NOTES

- These instructions are also available on our website. Check the website before you begin for any updated instructions and additional photos or videos for your reference.
- This kit is required for retaining a steering stabilizer when installing a Synergy MFG 8802-01 Tie Rod.
- The included stabilizer mount stud is designed to mount any steering stabilizer that uses a 1/2 inch mounting bolt. It replaces the axle side track bar bolt to relocate the steering stabilizer above the tie rod. The stock JL steering stabilizer can be easily drilled out to 1/2 inch to fit.
- The stabilizer mount stud cannot be installed in the stock axle side track bar bolt location with aftermarket knuckles that move the tie rod up.

TOOLS REQUIRED

- Basic Hand Tools (21mm socket, 5mm and 1/4" allen keys, 3/4" socket)
- Drill with 1/2" metal cutting bit
- Torque Wrench

ESTIMATED INSTALLATION TIME

.5 Hour

INSTALLATION

1. Install Synergy Manufacturing Tie Rod (PN 8802-01). See separate installation instructions.
2. Remove steering stabilizer from the vehicle.
3. Remove the axle side track bar bolt.
4. Replace the axle side track bar bolt with the new Synergy Stabilizer Mount Stud. See **Figure 1**.



Figure 1. Stabilizer Stud Installed

5. Torque stud to 150 lb-ft.
6. Factory steering stabilizers will need both mounting sleeves drilled out to ½”.
7. Attach the stabilizer to the new Stabilizer Mount Stud. If using the factory stabilizer then the end with the plastic dust boot should go on the stud side.
8. Torque button head bolt to 20 lb-ft.
9. Turn steering to full lock driver. Fully extend the steering stabilizer. Place a piece of painters tape on the tie rod and mark the center of the mounting bolt location on the tie rod. See **Figure 2**.



Figure 2. Steering Turned Full Driver, Stabilizer Extended

10. Turn steering to full lock passenger. Fully collapse the steering stabilizer. Make another mark on the tape corresponding to the location of the mounting bolt.



Figure 3. Steering Turned Full Passenger, Stabilizer Collapsed

11. Install tie rod clamp on the tie rod with the ½” mounting hole towards the steering stabilizer. The hole should be pointing vertically up and be located between the two marks on the tape on the tie rod. Remove tape. See **Figures 4 and 5**.

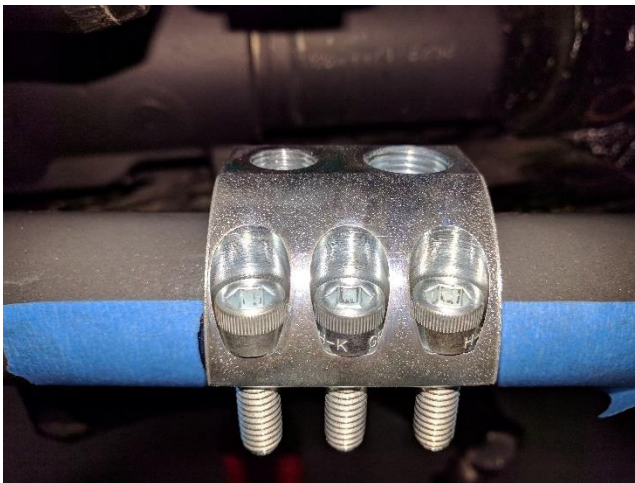


Figure 5. Steering Clamp Half on Tie Rod



Figure 6. Clamp in Correct Position

12. Loosely thread all 6 socket head bolts into bottom half of clamp.
13. Attach the other end of the steering stabilizer to your tie rod clamp using the provided ½” bolt with a washer on top. See **Figure 7**.

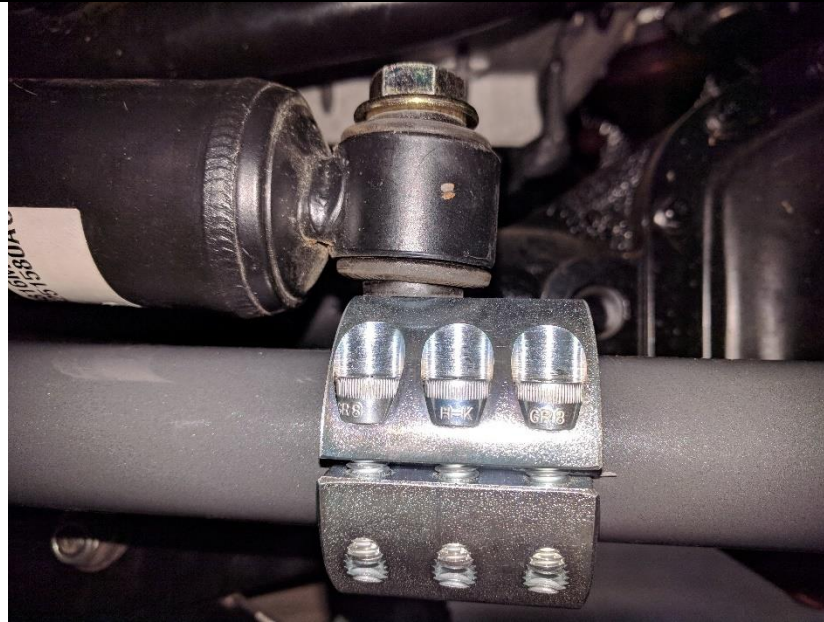


Figure 7. Correctly Assembled Clamp and Stabilizer

14. Make sure the ½” mounting bolt is pointing vertically up. Torque the socket head bolts to 15 lb-ft. See **Figure 8**.



Figure 8. Correctly Oriented Stabilizer and Clamp

15. Torque ½” mounting bolt to 70 lb-ft.
16. Cycle steering lock to lock to make sure there is no interference.
17. Check bolt torques after approximately 100 miles.