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Revisions			
Rev.	Description	Date	Approved
-	Initial Release Per ECO 22-008	2/11/22	RG



Ram Steering Stabilizer Relocation Bracket Installation Instructions

Applications:
2014+ RAM 2500 4x4
2013+ RAM 3500 4x4



TITLE:
**RAM STEERING STABILIZER
RELOCATION BRACKET, 14+ 2500, 13+
3500 INSTALLATION INSTRUCTIONS**

SIZE	DWG NO:	REV
A	8703-02-INST	-
	SCALE: N/A	PAGE 1 OF 6



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

8703-02 Ram Steering Stabilizer Relocation Bracket		
QTY	Part Number	Description
1	870302-PC	Ram Steering Stabilizer Relocation Bracket, 14+ 2500, 13+ 3500

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.
- The installation of this relocation bracket will allow you to move your Ram stabilizer further to the driver side of the vehicle and away from the axle u-joint assembly.

TOOLS REQUIRED

- 18mm and 13mm Wrenches
- Tape measure
- Torque wrench
- Marker
- Basic hand tools

ESTIMATED INSTALLATION TIME

~ 1/2 Hour

INSTALLATION

1. Make sure the vehicle is parked on a flat, level surface. Ensure the vehicle is in park or in gear with the parking brake set.
2. Remove the stabilizer bolt on the axle bracket. (18mm) See **Figure 1**.



Figure 1. Stabilizer Bolt to be Removed

3. Remove the bolts (qty 4) securing the factory stabilizer bracket to the axle and remove the bracket. See Figure 2.



Figure 2. Bolts to Remove Factory Stabilizer Mount

4. Install the new Synergy MFG Stabilizer Relocation Bracket onto the axle, thread in the 4 mounting bolts. Do not tighten the bolts. See Figure 3.



Figure 3. Loosely Installed Synergy MFG Stabilizer Relocation Bracket

5. Beginning with the two bottom bolts, tighten all 4 mounting bolts and torque them to 40 ft-lb.

6. Reinstall the stabilizer on the axle side of the vehicle with the factory bolt and torque to 70 ft-lb. See **Figure 4**.

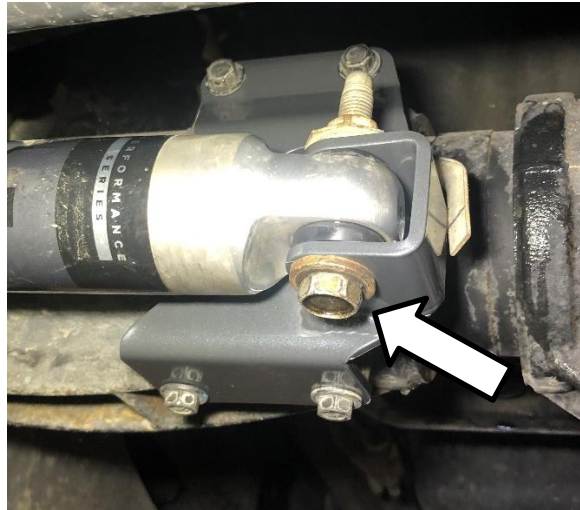


Figure 4. Reinstalled Stabilizer on Synergy MFG Bracket

7. Have someone turn the steering all the way to the driver side, it is important that they keep pressure on the wheel to make sure the truck stays at full steering lock.
8. Compress the stabilizer until there is between an 1/8" and 1/4" of shaft showing, mark the center of the stabilizer eyelet on the tie rod. See **Figures 5 and 6**.



Figure 5. Compressed Steering Stabilizer



Figure 6. Mount Centerline Marking

9. Install the tie rod clamp on the tie rod so that the stabilizer mount lines up with the mark left from step 8.
10. Install the steering stabilizer in the tie rod mount and tighten the bolt to 70 ft-lb. See **Figure 7**.



Figure 7. Installed Tie Rod Clamp and Steering Stabilizer

11. Have someone turn the steering from full driver to full passenger to verify that the stabilizer does not fully compress or fully extend through the entire travel of the steering.
12. Install is complete. Recheck all hardware after approximately 100 miles of use.

Installation is Complete

Table 1. Bolt Torques

Bolted Joint Location	Wrench Size	Torque
Bracket Bolts to Axle	13mm	30 ft-lb
Stabilizer Mounting Bolt	18mm	70 ft-lb