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Revisions			
Rev.	Description	Date	Approved
A	Initial Release Per ECO 24-089	11/26/24	RG



## Ram 2500 14+ Rear Adjustable Track Bar

### Installation Instructions

Applications:  
 2014+ Ram 2500  
 2014+ Ram 2500 Power Wagon



TITLE:  
**RAM 2500 14+ REAR ADJ TRACK BAR  
 INSTALLATION INSTRUCTIONS**

SIZE	DWG NO:	REV
<b>A</b>	<b>8765-01-INST</b>	<b>A</b>
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!

**Synergy Manufacturing**  
**Phone: (805) 242-0397**  
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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**

<b>8765-01 Ram 2500 14+ Rear Track Bar</b>		
<b>QTY</b>	<b>Part Number</b>	<b>Description</b>
1	876501-PC	JEEP JL REAR ADJ TRACK BAR, POWDERCOATED
1	HF8-8-13	1/2-20 X 1 3/4” HEX BOLT, GRADE 8
1	NSF-8	1/2-20 TOP LOCK NUT
2	NAS1149-F0863P	FLAT WASHER, 1/2" ID, 7/8” OD, MIL-SPEC
1	3622-10-14-PL	DOUBLE ADJUSTER SLEEVE 1 – 14TPI LH
1	480101-01-L	FORGED ROD END FOR 2.125” OD BUSHING, 1-14LH SHANK
2	432201	TRACK BAR BUSHING, SPHERICAL DDB, 1.75OD .563BOLT

## **GENERAL NOTES**

- These instructions are also available on our website; [www.synergymfg.com](http://www.synergymfg.com). Check the website before you begin for any updated instructions and additional photos or videos for your reference.
- The installation of this adjustable track bar will allow you to correctly align the rear axle after a suspension lift kit is installed.
- The track bar features a double adjuster sleeve which allows you to adjust the length of the track bar without removing the end of the track bar from the vehicle.

- Replacement bushings are available from Synergy Mfg.
- The Synergy 8765-01 Rear Track Bar must be installed with either the 8765-02 Brake Line Relocation bracket or the 8740 Track Bar Relocation Bracket to ensure proper clearance with the factory brake lines at full compression.
- The 8765-01 Track Bar will allow for the installation of a 35" spare tire in the factory location. Some adjustment to the exhaust heat shielding and bumper/hitch position is required.

## **TOOLS REQUIRED**

- 21mm and 3/4 inch sockets and ratchet
- 21mm and 3/4 inch combination wrenches
- 1 1/4 inch wrench or adjustable wrench
- Torque Wrench

## **ESTIMATED INSTALLATION TIME**

**1/2 Hour**

## **INSTALLATION**

1. Installation can be done on the ground. There is no need to lift the vehicle off the ground or remove the wheels and tires. The track bar comes preassembled with all necessary components.
2. Using a 21mm socket and wrench, loosen and unbolt the rear track bar from the axle side mount. Support the track bar so it will not fall when you remove the bolt. **See Figure 1.**



**Figure 1. Bolt to Remove the Track Bar from the Axle Side.**

3. Using a 21mm socket and wrench, loosen, then unbolt the frame side track bar bolt taking care to once again support the track bar before you pull the bolt all the way out. **See Figure 2.**



**Figure 2. Bolt to Remove the Track Bar from the Frame Side.**

4. Install the Synergy MFG track bar by putting the adjustable side in the frame side track bar mount and reuse the OEM bolt and nut. Make sure the pinch bolt bungs face down. **See Figure 3.**



**Figure 3. Installing the Synergy Mfg Track Bar at the Frame.**

5. Lower the truck to ride height and let the vehicle weight settle the suspension.

6. Adjust the track bar using a 1 1/4" or large adjustable wrench until the axle side bolt can be installed.  
See figure 4.

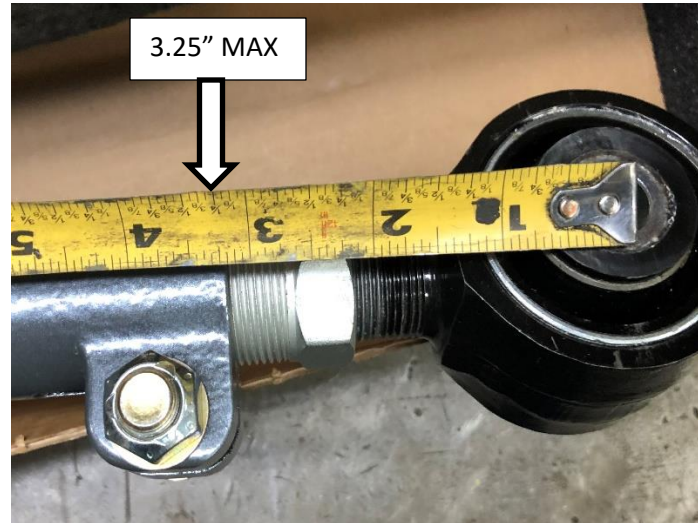


**Figure 4. Adjusting the Rear Track Bar to Align the Axle Side Bolt.**

7. Tighten the track bar bolts at the axle and frame mount locations to 140 lb-ft. Do not tighten the 1/2" pinch bolt on the double adjuster.
8. With all mounting hardware tight, it is time to center the axle. Make sure the pinch bolt is loose and the double adjuster sleeve can be rotated.
9. Use a tape measure and straight edge to measure the distance from the tire to the fender. **See Figure 5.** Turn the double adjuster sleeve to lengthen or shorten the track bar until the measured distance is the same for both sides. Do not exceed 3.25" from the end of the powder coated bar to the end of the threads on the forging **See Figure 6.**



**Figure 5. Measuring the Distance from the Tire Face to the Fender.**



**Figure 6. Max Distance from the End of the Bar to the Bushing Center.**

- 10.** Once the rear axle has been centered, tighten the pinch bolt hardware to 90ft-lb.
- 11.** Re-check bolt torques after the first 100 miles and again after each off-road trip.

Installation is complete

**Table 1. Ram HD Bolt Torques**

<b>Bolted Joint Location</b>	<b>Wrench Size</b>	<b>Torque</b>
Factory Axle Side Track Bar Bolt	21 mm	140 lb-ft
Factory Frame Side Track Bar Bolt	21 mm	140 lb-ft
Adjuster Pinch Bolt	3/4"	90 lb-ft