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Revisions			
Rev.	Description	Date	Approved
A	Revised Per ECO 19-080	6/5/19	A.S.



## Ram Truck Front Adjustable Track Bar

### Installation Instructions

#### Applications:

2003-2013 Dodge Ram 2500  
2003-2012 Dodge Ram 3500



TITLE:  
**RAM TRUCK FRONT ADJ TRACK BAR  
INSTALLATION INSTRUCTIONS**

SIZE	DWG NO:	REV
<b>A</b>	<b>8550-01-INST</b>	<b>A</b>
	SCALE: N/A	PAGE 1 OF 4



## RAM TRUCK FRONT ADJ TRACK BAR 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**  
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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

8550-01 RAM TRUCK FRONT ADJUSTABLE TRACK BAR		
QTY	Part Number	Description
1	855001-PC	RAM TRUCK FRONT 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
1	3622-07-14L-10-PL	DOUBLE ADJUSTER SLEEVE 7/8 – 14TPI LH
1	480301-01-L	FORGED ROD END FOR 1.635OD BUSHING, 7/8-14LH SHANK
2	4324-02	TRACK BAR BUSHING, 1.635OD .625BOLT
2	422401-01	OPTIONAL INNER SLEEVE FOR .563 MOUNTING BOLT



## 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 front axle after a suspension lift kit is installed.
- This track bar fits stock height trucks up to 6.0" of lift. NOTE: on a 6.0" lifted truck, the axle will need to be slightly offset from center to prevent interference with the coil / lower coil bucket and track bar bracket on the driver side.
- 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 track bar comes pre-assembled with bushing sleeves intended for 5/8" bolts.
  - 2010-2013 trucks come with 16mm / 5/8" mounting hardware.
  - 2003-2009 trucks come with 14mm / 9/16" mounting hardware and will need the included 422401-01 inner bushing sleeves installed.
  - Check your stock hardware as some 03-09 trucks may use 16mm bolts at the axle side. Make sure the inner bushing sleeves you use properly fit your hardware.

## TOOLS REQUIRED

- 18 or 21mm and 3/4 inch sockets and ratchet
- 18 or 21mm and 3/4 inch combination wrenches
- 1-1/4 inch wrench or adjustable wrench
- 1/4 inch punch or similar tool to turn adjuster sleeve
- 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 an 18 or 21mm socket (depending on bolt size), loosen and unbolt the front track bar from the axle side mount. Support the track bar so it will not fall when you remove the bolt.
3. Using an 18 or 21mm socket (depending on bolt size), 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.
4. Install the Synergy Mfg track bar by putting the fixed side in the frame side track bar mount and reuse the OEM bolt and nut. Make sure the bend in the bar faces forward. The pinch bolt bungs on the other side of the bar should be facing up.
5. Next, install the adjustable side into the axle side mount. Adjust the track bar length with the adjuster sleeve at the axle until the track bar bushing bolt hole and the axle mount bolt holes line up. Make



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sure the adjuster sleeve end is adjusted by turning the adjuster sleeve and not the bushing end or track bar itself. If the bar cannot be adjusted to make the bolt holes line up, a ratchet strap between the frame and opposing side on the axle, can be used to pull the body whichever way it needs to get the bolts to line up.

6. Torque the track bar bolts to OEM specifications:
  - 14mm bolt and nut (18mm head) – 125 lb-ft
  - 16mm bolt and nut (21mm head) – 146 lb-ft
7. With the vehicle on the ground at ride height, use a 1/4 inch punch to turn the double adjuster sleeve to center the axle under the vehicle. You can measure from the frame to the tire on each side to get the axle centered. Make sure the adjuster sleeve end is adjusted by turning the adjuster sleeve and not the bushing end or track bar itself. If possible, we recommend rotating the sleeve until one of the slots in the sleeve lines up with the slot in the track bar.
8. Recommended starting track bar lengths:
  - Stock height vehicle – 38-7/8 inch (factory length)
  - 3.0 inch lifted vehicle – 39-1/8 inch
  - 6.0 inch lifted vehicle – 39-7/16 inch (NOTE: Axle will be slightly offset towards the driver side. This is done to prevent the coil and lower coil bucket from contacting the frame side track bar mount on bump.)
9. With a 3/4 inch socket and wrench, tighten the pinch bolt at the double adjuster on the track bar to 90 lb-ft. Check to make sure the adjuster sleeve cannot turn freely. If it can, increase the pinch bolt torque up to 120 lb-ft.

### **Installation is Complete**

### **Post-Installation Checklist**

- Did you remember to torque all the hardware?
  - 14mm bolt and nut (18mm head) – 125 lb-ft
  - 16mm bolt and nut (21mm head) – 146 lb-ft
  - Pinch bolt and nut to 90 lb-ft.