



SYNERGY MFG. 870 INDUSTRIAL WAY, SAN LUIS OBISPO, CA (805) 242-0397

## INSTALLATION INSTRUCTIONS

### PPM-8550-01 DODGE 03-12 TRACKBAR

Version 5

#### GENERAL NOTES:

- These instructions are also available on our website at [www.synergymfg.com](http://www.synergymfg.com) Check the website for any updated instructions and additional photos for reference.
- This TB is designed to fit stock height trucks, all the way up to a 6.0" suspension lift and will allow you to correctly align the front axle after a suspension lift is installed. 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.
- The track bar features a Synergy DDB bushing at the frame side and a heavy duty rod end at the axle side, both of which require no grease for the duration of their use

#### PARTS LIST:

- (1) PPM-8550-01 DODGE TRACK BAR
- (1) Installed 1/2-20 UNF x 1.50" G8 bolt
- (1) Installed 1/2-20 UNF Grade 8 Stover nut
- (1) Installed Synergy Manufacturing Double Adjuster Sleeve
- (1) Installed Heavy Duty Heat Treated 7/8"-14 LH the Chromoly Rod End
- (1) Installed 4324-02 Track Bar bushing (16mm / 5/8" bolt, 1.60" mounting width)
- (2) 3712-09-160-A Rod end misalignment spacers (14mm / 9/16" bolt, 1.60" mounting width)
- (2) 3712-10-160 Rod end misalignment spacers (16mm / 5/8" bolt, 1.60" mounting width)
- (1) 422401-01-A Bushing sleeve (14mm / 0.5625" bolt, 1.60" mounting width)

#### INSTRUCTIONS:

- 1) *The track bar comes with the 16mm / 5/8" bolt track bar bushing, adjuster sleeve, rod end, and 1/2" hardware pre assembled.*

*-For years 2010 and up 16mm / 5/8" hardware is used. The assembled bushing sleeve is correct for this application; install the larger ID 3712-10-160 misalignment spacers into the rod end.*

*- For years 03-09 14mm / 9/16" hardware is used. Remove the 16mm / 5/8" bushing sleeve from the bushing and install the provided 422401-01-A bushing sleeve into the 4324 track bar bushing. The bushing sleeve should easily tap out with a hammer. Do not use any grease when installing the new sleeve. Install the smaller ID 3712-09-160-A misalignment spacers into the rod end.*

*NOTE: Some trucks will utilize a larger 16mm bolt on the axle end of the track bar.*

- 2) Installation of the track bar can be performed with the vehicle sitting on level ground.
- 3) Remove the existing track bar. The wrench size will be either an 18mm or a 21mm depending on model yr.
- 4) Install the new Synergy Manufacturing adjustable trackbar with the bushing end going into the frame mount and the pinch bolts on the axle end.
- 5) Re-use the stock track bar mounting bolts and torque accordingly. (Note – it helps to have someone turn the steering wheel to help align the bushing to the bracket hole when inserting the bolt:
  - 14mm bolt = 125 ft-lbs
  - 16mm bolt = 146 ft-lbs.
- 6) Center the axle by turning the adjuster sleeve, counterclockwise will extend the track bar. Use a ¼” punch or similar tool to turn the adjuster sleeve. Recommended track bar lengths listed below. These lengths are to be used as a baseline. Fine tune lengths for your application.
  - Stock height vehicle = 38-7/8” (factory length)
  - 3.0” Lifted Vehicle = 39-1/8”
  - 6.0” Lifted Vehicle = 39-7/16” (\*\*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 compression.)
- 7) Once you have the axle centered, tighten the pinch bolt to 50 ft-lbs. Make sure pinch bolt has adequately clamped onto the rod end shank so that the adjuster is not movable. If the adjuster is still movable at 50 ft-lbs, increase torque on pinch bolt. Do not exceed 90 ft-lbs
- 8) Re-check all torque specs after 100 miles of driving.

Installation is Complete.