



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

8156 – TJ/LJ REAR TRACK BAR BRACKET (D35 Axle)

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.
- This track bar is compatible with Dana 35 models only. It is not compatible with D44 models in the stock location. A raised track bar bracket is required on D44 models.
- The installation of this track bar will allow you to correctly align the rear axle after a suspension lift 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.
- This track bar installs with no exhaust modifications and can be used in the stock location.
- A Synergy raised track bar bracket (8158 or 8160) is recommended for lifts over 3" or for use on a D44 rear axle.

PARTS LIST:

- **8156 – TJ/LJ/ZJ ADJUSTABLE REAR TRACK BAR**
 - (1) 815601 TJ/LJ Rear Track Bar (Assembled)
 - (2) 4306-01 Bushing Halves
 - (1) 4206-04 Track Bar Bushing Sleeve (1/2" ID)
 - (1) 3622-06-16-10-A Double Adjuster Sleeve
 - (1) 3/4-16 LH thd rod end
 - (1) 1/2-20 UNF x 1.5" long hex head bolt
 - (1) 1/2-20 UNF Stover Nut
 - (1) Zerk Fitting
 - (2) 1/2-13 UNC x 2.75" long bolt
 - (2) 1/2-13 UNC Stover Nut
 - (4) 1/2" flat washers

Parts / Tools Needed to complete installation:

- Basic simple hand tools.
- 1/4" punch or similar tool for adjuster sleeve adjustment
- Torx bits (T-55)

APPROXIMATE INSTALL TIME: 1-2 HOURS

INSTALLATION:

- 1) The track bar comes preassembled at its shortest length with all necessary components.
- 2) Installation of the track bar can be performed with the vehicle sitting on level ground so long as all bolts are accessible. Stock height vehicles will be a bit of a struggle due to their low ride height.

- 3) Remove the factory track bar. Use a T-55 torx bit for removal at the axle, 15mm / 18mm socket or wrenches will be needed for removal at the frame.
- 4) Install the new Synergy adjustable track bar with the bushing at the frame side and the zerk fitting pointed down as shown in the image below.



- 5) Install the 1/2-13 UNC bolt provided in the kit as shown above. Use a washer under both the bolt head and stover nut as pictured. Torque to 80 ft-lbs.
- 6) Install the other 1/2-13 UNC bolt provided in the kit and install at the axle. Again, use a washer under both the bolt head and stover nut. It helps to have someone push the chassis side to side to help align the TB with the hole in the bracket. Torque bolt to 80-ft-lbs
- 7) With the vehicle sitting level at ride height, center the axle by turning the adjuster sleeve. Counter clockwise will extend the track bar. Use a 1/4" punch or similar tool to turn the adjuster sleeve. Once the axle is centered, tighten the pinch bolt to 80 ft-lbs.
- 8) Grease the polyurethane frame bushing with quality automotive chassis grease through the zerk fitting. We recommend [PPM-4119 High Performance Chassis & Bearing Grease](#)

Installation is Complete