



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

## **PPM-8007**

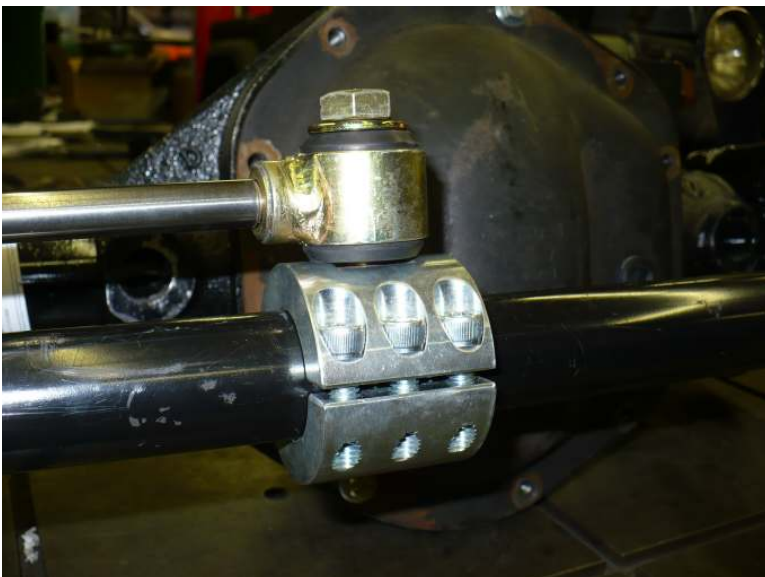
### **JK STEERING STABILIZER RELOCATION BRACKET**

Version 1

#### **GENERAL NOTES:**

- These instructions are also available on our website; [www.synergysuspension.com](http://www.synergysuspension.com). Check the website before you begin for any updated instructions and additional photos for your reference.
- This steering stabilizer bracket will work with the Synergy Suspension track bar relocation bracket or no track bar relocation bracket at all. It may work on other manufactures track bar relocation brackets but you will be required to check fitment.
- This steering stabilizer bracket enables the use of the Fox 980-99-099-A-JK steering stabilizer, Synergy Suspension PPM-6001 steering stabilizer or the factory. Others most likely can be used but you will be required to check fitment.
- A minimum of 2" tall bumper stop spacers are required to prevent the steering stabilizer relocation bracket from contacting the frame when the suspension is at full bump. Most lift kits include and require a bump stop spacer this tall.

1. Remove the factory steering stabilizer
2. Install the new steering stabilizer relocation bracket under the track bar mounting bolt on the factory axle bracket.
3. Attach the two additional 3/8 bolts to the factory track bar bracket. If you are not using this bracket with a track bar relocation bracket you will need to install the inner bolt with the bolt head on the inside of the bracket or omit it completely, depending on interference with the track bar.
4. Tighten the track bar bolt to 125 ft-lbs and the 3/8" bolts to 40 ft-lbs
5. Rotate the factory tie rod bracket to the top of the tie rod. Or install the Synergy Suspension 8003 Tie rod clamp. Do not tighten yet, you will need to position the tie rod bracket correctly side to side when the steering stabilizer is installed.
6. Install the steering stabilizer. If you are using a Fox steering stabilizer, you will need to use one long (7/16) and one short (5/16) bearing spacer in the steering stabilizer relocation bracket. Tighten the 1/2" bolt to 75 ft-lbs
7. Position the tie rod clamp so you have full steering and full travel of the steering stabilizer. Torque the factory tie rod clamp u-bolt nuts to 20 ft-lbs and large nut to 50 ft lbs. If you are using the Synergy Suspension 8003 clamp, torque the socket head bolts to 20 ft-lbs and 1/2" bolt to 75 ft-lbs





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## PM-8094 JK STEERING STABILIZER RELOCATION BRACKET, RIGHT HAND DRIVE

Version 1

### GENERAL NOTES:

- These instructions are also available on our website; [www.synergysuspension.com](http://www.synergysuspension.com). Check the website before you begin for any updated instructions and additional photos for your reference.
- This steering stabilizer bracket will only work with the stock track bar bracket with out a track bar relocation bracket.
- This steering stabilizer bracket enables the use of the Fox 980-99-099-A-JK steering stabilizer, Synergy Suspension PPM-6001 steering stabilizer or the factory steering stabilizer. Others most likely can be used but you will be required to check fitment.
- A minimum of 1" tall bumper stop spacers are required to prevent the steering stabilizer relocation bracket from contacting the frame when the suspension is at full bump. Most lift kits include and require a bump stop spacer this tall.
- This bracket requires the use of PPM-8003 steering stabilizer clamp for proper installation.

1. Turn the wheels all the way to the left
2. Remove the factory steering stabilizer
3. Remove the track bar bolt. It helps to have some one else turn the steering wheel side to side slightly to align the track bar bolt to the hole.
4. Install the new steering stabilizer relocation bracket under the track bar mounting bolt on the factory axle bracket. Loosely tighten the track bar bolt nut to hold the steering stabilizer relocation bracket into place.





5. Using a drill motor with a 3/8" or 9.5mm drill bit, drill the side and bottom of the factory track bar bracket to match the holes in the new track bar relocation bracket. The side hole is difficult to get a strait shot with the drill; you may have to drill down at a slight angle. (Note the picture below is an older style prototype part, the production part looks different but utilizes the same mounting holes.)







6. Install the two additional 3/8 bolts to the factory track bar bracket. Use a washer under both the head of the washer and under the head of the nut. Torque these bolts to 40 ft-lbs (54 N-m)



7. Tighten the track bar bolt to 125 ft-lbs (170 N-m).
8. Install the Poly Performance 8003 Tie rod clamp. Do not tighten yet; you will need to position the tie rod bracket correctly side to side when the steering stabilizer is installed.
9. Install the steering stabilizer. If you are using a Fox steering stabilizer, you will need to use one long (7/16, 11mm) and one short (5/16, 8mm) bearing spacer in the steering stabilizer relocation bracket. Re-use the factory steering stabilizer bolt and tighten to 75 ft-lbs (100 N-m).



10. Position the tie rod clamp so you have full steering and full travel of the steering stabilizer. Make sure that tie rod clamp is rotated forward enough so the steering stabilizer does not move back into the diff cover when you turn right. Torque the socket head bolts to 20 ft-lbs(27 N-m) and ½" bolt to 75 ft-lbs (100 N-m) on the PPM-8003 tie rod clamp.



