



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

INSTALLATION INSTRUCTIONS PPM-8515-01 DODGE SWAY BAR LINKS

GENERAL NOTES:

- These instructions are also available on our website at www.synergymfg.com Check the website for any updated instructions and additional photos for reference.
- These sway bar links are designed for trucks with 0-3" lift and cover 4x4 trucks from 98.5-2012 2500, 3500 and 1500 Megacab, as well as 98.5-2001 1500 4x4.
- Some model years (98.5-05) will require drilling of lower sway bar link mount on the axle to 1/2"

PARTS LIST:

- (2) PPM-8515 sway bar links
- (2) Sway bar link ends (sealed tie rod ends)
- (2) 1/2-13 UNC jam nuts
- (2) 851501 stem top sway bar link adapter
- (2) 5/8-18 tapered nuts
- (2) 1/2-13 UNC x 3.0" long hex head bolt GR8
- (2) 1/2-13 UNC stover nut
- (4) 1/2" flat washer GR8

INSTRUCTIONS:

- 1) Begin by removing the factory sway bar links.
- 2) It is easiest to remove the upper attachment point first and swing the sway bar up out of the way.
- 3) Depending on model year, the lower mounting bolt size will vary, as will the attachment point on the axle end.
 - Note, some sway bar links are tapered and will require knocking out with a hammer. See pictures below.



- 4) With stock sway bar links removed, some model trucks will require drilling out of the lower mount at this point. Check fit $\frac{1}{2}$ " bolt on lower mount, if needed, drill out lower mount using $\frac{1}{2}$ " drill bit. See picture below.



- 5) With lower mount opened up to $\frac{1}{2}$ ", we can begin assembling the sway bar assembly.
- 6) Assembly link together as shown.
- On 2010 and up trucks, assemble link with tie rod end cranked out so there is approximately $\frac{1}{2}$ " of threads showing as shown in picture 6.1. Do not tighten jam nuts at this time.
 - Next, install the 856201 stem top adapter onto the sway bar link. Fully tighten using 14mm open end wrench. See picture 6.2 below for reference.

- Use a dab of blue loctite on the rod end threads which thread into the stem top adapter. See picture 6.1



Picture 6.1



Picture 6.2

- 7) With sway bar link assembled, install into vehicle. Install as shown in images below.
 - Use a washer under both the head of the bolt and under the washer on the lower mount.
 - Snug down but do not fully tighten at this time.



- 8) Install the 5/8-18 UNF tapered nut included in the kit on top of the stem top adapter, with the taper pointed down towards the sway bar.
- 9) Once all hardware has been started, be sure the truck is sitting at ride height and make sure the tie rod ends and bushings aren't under misalignment at ride height. Rotate the stem top adapter to put the joints in optimum alignment.
- 10) Torque the hardware to the following specs:
 - 1/2-13 UNC lower sway bar bolts – 80 ft-lbs
 - 5/8-18 UNF tapered nut – 100 ft-lbs
- 11) Lastly, tighten the jam nut on the tie rod ends, utilize the flats on the rod end itself with a crescent wrench and snug down jam nuts.
- 12) Recheck all hardware after 100 miles of driving.