



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

PPM-8051 JK FRONT LOWER CONTROL ARMS

Version 1

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.
 - The installation of these control arms will allow you to correctly align the front axle after a suspension lift kit is installed.
 - These control arms feature a double adjuster sleeve which allows you to adjust the length of the arm without removing the arm from the vehicle.
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1. The control arms come assembled to the shortest length. Make any length adjustments by only turning the adjuster sleeve so there is equal thread on the flex joint and adjuster sleeve. Make sure the grease zerk on the flex joint is aligned with the pinch bolt on the control arm.
 2. We recommend that you preset the length of the lower control arms. For 3-4.5" of lift, we recommend a length of 23.25" measured from the center to center of the bushings. This length is a good starting point when using the stock length upper control arms, the final length should be adjusted to get the correct amount of castor, usually 4-6 degrees. If you are also using adjustable upper control arms, set the lower control arms to 23.25", start the upper control arms at the factory lengths, and then adjust the uppers to get the correct amount of castor angle.
 3. Remove the existing lower control arms. If you are just replacing the lower control arms, they can be replaced one at a time with the vehicle sitting on level ground, without removing the tires & wheels or any other suspension part.
 4. Install the new control arms with the bushing at the axle end and the flex joint at the frame end. Position the arm with the pinch bolt and the grease zerk in the flex joint on the top of the control arm. Reuse the factory mounting bolts. We recommend installing the axle end control arm bolts from the inside so there is minimal rock damage to the exposed thread on the end of the bolt.
 5. Tighten the factory control arm bolts to 125 ft-lbs, wait until the vehicle is at ride height before tightening the rubber bushing end. Once final length adjustments are made, tighten the pinch bolt to **50 ft-lbs**.
 6. Grease the flex joints using extreme pressure moly based grease.

