



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

## INSTALLATION INSTRUCTIONS PPM-8015 JEEP JK FRONT LOWER SHOCK EXTENSION BRACKETS

### 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.
  - Simple hand tools are required for installation.
  - Although it is possible to install these with vehicle sitting on ground, it will be much easier to install with wheels and tires off the vehicle and suspension drooped out.
- 1) Place a floor jack under the center of the front diff and jack the vehicle up.
    - a. Support vehicle using jack stands as to allow front suspension to droop out.
    - b. Remove wheels and tires, and stock shocks. Support front axle with jack while removing front shocks as to not overextend brake lines once front shocks are removed.
  - 2) Once stock shocks have been removed, installation of the new 8015 Jeep JK lower shock extension can begin.
    - a. Determine L & R hand sides. Bracket should lean inwards towards the center of the vehicle and should line up with bottom hole in stock shock mount. See pictures below for proper orientation.
    - b. Slide stock shock bolt through the factory shock mount and the new 8015 shock extension bracket as shown. Start nut but do not tighten.
    - c. Start bottom 3/8" bolt. Use a washer under both the bolt head and top lock nut provided. Torque to 35 ft-lbs.
    - d. Torque stock shock bolt to 56 ft-lbs
  - 3) Install shocks into the new raised shock mount and stock upper mount.
    - a. Jack the axle up enough to install the shocks.
    - b. Use the 2.5" long 1/2" bolt provided in the kit with washers under both the bolt head and top lock nut.
    - c. Torque lower bolt to 60-80 ft-lbs.
    - d. Tighten upper bolt until the bushings begin to bulge out.
    - e. Reinstall wheels, torque lug nuts to 85-125 ft-lbs.

