



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

INSTALLATION INSTRUCTIONS PPM-8072-03 JK REAR UPPER CONTROL ARM BRACKET

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.
- This is a weld on bracket and should be installed by an experienced welder.
- We recommend installing one side at a time as to not disrupt pinion angle or suspension geometry.

INSTRUCTIONS:

- 1) It is easiest to install these brackets with the suspension sitting at ride height on jack stands and to remove the following components.
 - Remove the rear wheels and tires
 - Remove the rear axle and rear brake assy.
 - Also remove rear bump stop spacers (if any)
 - Remove one upper control arm at a time for installation.
- 2) Begin by removing the stock upper control arm bracket. The bracket is easiest to remove in 2 pieces. First, make 2 cuts at the top of the welds and one cut down the side of the stock bracket as shown.



- 3) Finish cutting the bracket off by cutting at the top of the weld and removing the last piece. The axle should appear as follows.



- 4) Next, grind the area smooth and remove all paint and other impurities to prepare the surface for welding.
- 5) With the surface cleaned up, fitment of the 8072-03 upper control arm bracket can begin. We recommend bolting in the upper control arm on the jeep to help with placement and to ensure no binding will occur with the suspension joints.
- 6) Fit the bracket in place with the suspension set at ride height.
 - Slide bracket as far over as possible until it hits the base of the weld on the axle flange as shown. Do not tack at this time, but refer to img 6.1 for reference.



Img. 6.1

- 7) The next steps are up to the installer.
 - For serviceability purposes, it is helpful to add a small hole to the bracket in order to easily remove the rear axle retaining bolts with a socket. Follow steps 8-11 for this if desired.
- 8) With the upper control arm bracket mocked in place, take a standard sharpie and make a mark on the bracket through the front upper axle flange hole as shown below.



- 9) Next, remove the bracket and trace minimum of a 1" hole, centered over the mark made in step 8 as shown below.



10) Next, either hole saw the 1" hole out, or cleanly continue the cut down to the axle tube as shown.



11) Once satisfied with the cut, reposition the bracket as described in step 6 and tack into position.



- 12) At this time, repeat steps 2-11 on the opposite side.
- Once both sides are tacked into position, fully cycle suspension to ensure to binding occurs throughout the suspension movement.
 - Once satisfied, fully weld brackets into place.





13) Cover any bare metal with a coat of paint to prevent rust and reinstall all components removed for installation.

